

Stormwater Management Program Plan



The City of Rolling Meadows, Illinois

*3600 Kinross Road
Rolling Meadows, IL 60008
847-394-3500*

a great place to call home



Prepared for:

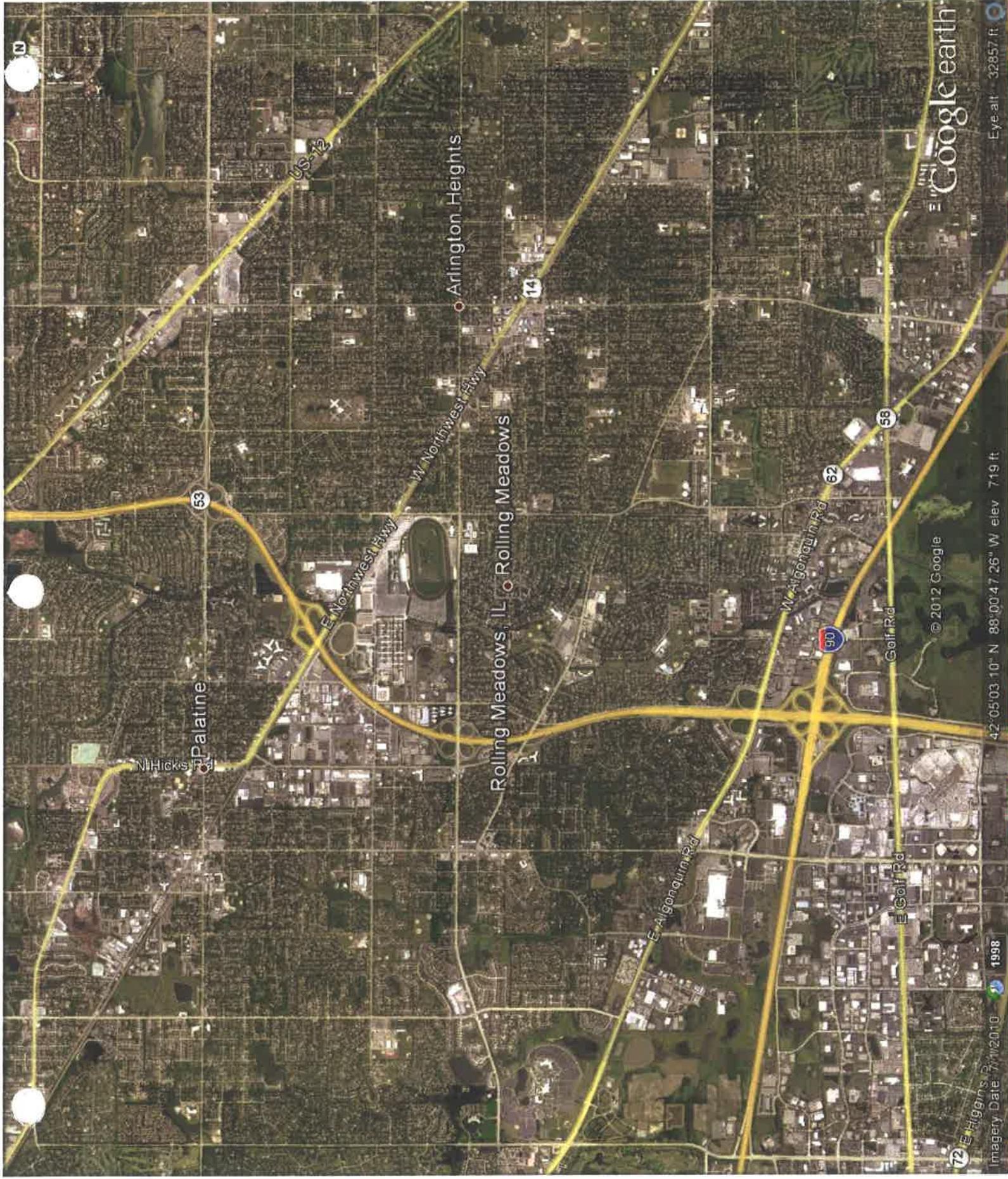
**City of Rolling Meadows
3900 Berdnick Street
Rolling Meadows, IL 60008**

Volume I

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Google earth

Eye-alt 32857 ft

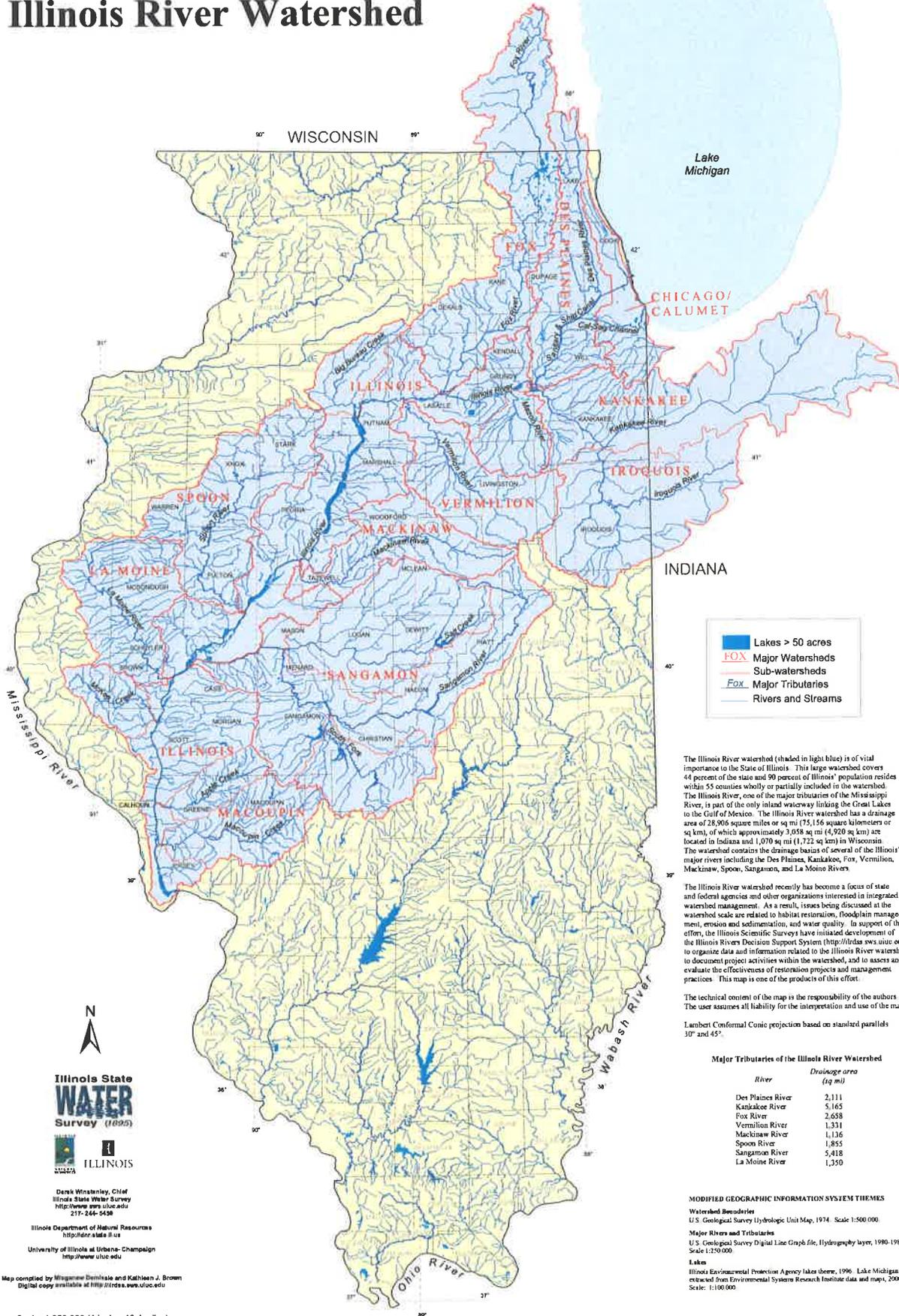
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1998

Imagery Date 7/11/2010

42°05'03.10" N 88°00'47.26" W elev 719 ft

Illinois River Watershed



Legend

- Lakes > 50 acres
- Major Watersheds
- Sub-watersheds
- Major Tributaries
- Rivers and Streams

The Illinois River watershed (shaded in light blue) is of vital importance to the State of Illinois. This large watershed covers 44 percent of the state and 90 percent of Illinois' population resides within 55 counties wholly or partially included in the watershed. The Illinois River, one of the major tributaries of the Mississippi River, is part of the only inland waterway linking the Great Lakes to the Gulf of Mexico. The Illinois River watershed has a drainage area of 28,906 square miles or sq mi (75,156 square kilometers or sq km), of which approximately 3,058 sq mi (4,509 sq km) are located in Indiana and 1,070 sq mi (1,722 sq km) in Wisconsin. The watershed contains the drainage basins of several of the Illinois' major rivers including the Des Plaines, Kankakee, Fox, Vermilion, Mackinaw, Spoon, Sangamon, and La Moine Rivers.

The Illinois River watershed recently has become a focus of state and federal agencies and other organizations interested in integrated watershed management. As a result, issues being discussed at the watershed scale are related to habitat restoration, floodplain management, erosion and sedimentation, and water quality. In support of this effort, the Illinois Scientific Surveys have initiated development of the Illinois Rivers Decision Support System (<http://ilrds.sws.uiuc.edu>) to organize data and information related to the Illinois River watershed, to document project activities within the watershed, and to assess and evaluate the effectiveness of restoration projects and management practices. This map is one of the products of this effort.

The technical content of the map is the responsibility of the authors. The user assumes all liability for the interpretation and use of the map.

Lambert Conformal Conic projection based on slanted parallels 30° and 45°.

Major Tributaries of the Illinois River Watershed

River	Drainage area (sq mi)
Des Plaines River	2,111
Kankakee River	5,165
Fox River	2,658
Vermilion River	1,331
Mackinaw River	1,136
Spoon River	1,855
Sangamon River	5,418
La Moine River	1,350

MODIFIED GEOGRAPHIC INFORMATION SYSTEM THEMES

- Watershed Boundaries**
U.S. Geological Survey Hydrologic Unit Map, 1974. Scale 1:500,000.
- Major Rivers and Tributaries**
U.S. Geological Survey Digital Line Graph file, Hydrography layer, 1980-1986. Scale 1:250,000.
- Lakes**
Illinois Environmental Protection Agency lakes theme, 1996. Lake Michigan extracted from Environmental Systems Research Institute data and maps, 2000. Scale: 1:100,000.

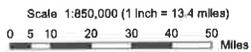


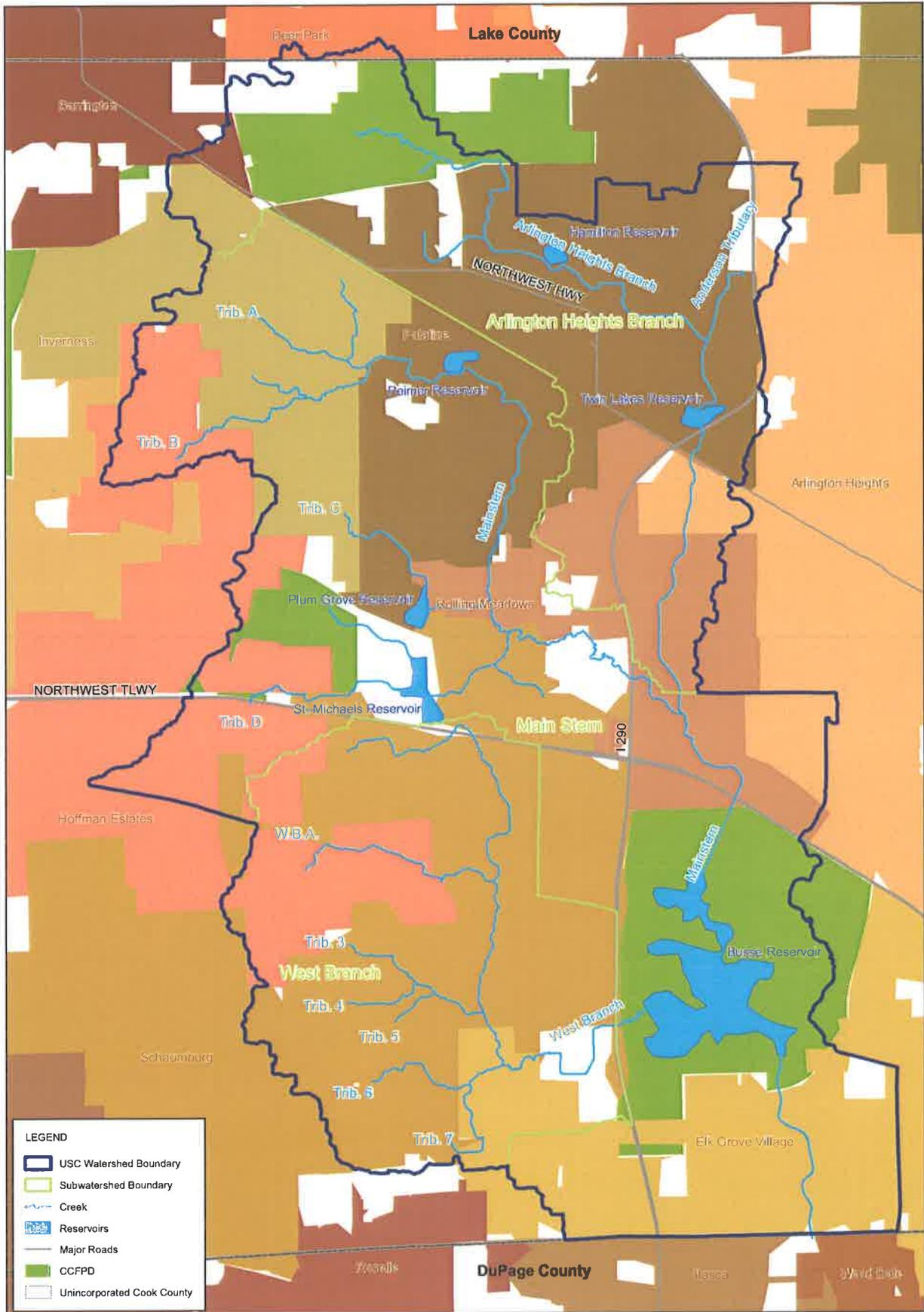
Derek Winstenley, Chief
Illinois State Water Survey
<http://www.sws.uiuc.edu>
217-244-5438

Illinois Department of Natural Resources
<http://dnr.state.il.us>

University of Illinois at Urbana-Champaign
<http://www.uiuc.edu>

Map compiled by Mitigacion Domitkale and Kathleen J. Brown
Digital copy available at <http://ilrds.sws.uiuc.edu>





LEGEND

- USC Watershed Boundary
- Subwatershed Boundary
- Creek
- Reservoirs
- Major Roads
- CCFPD
- Unincorporated Cook County

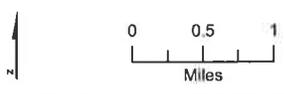


Figure 1
Upper Salt Creek Watershed Overview

**Preamble to Notice of Intent for Renewal of General Permit
The City of Rolling Meadows, Cook County, Illinois
Executive Summary**

The goal of the federally mandated National Pollution Discharge Elimination System (NPDES) Phase II program is to preserve, protect and improve the Nation's water resources from polluted stormwater runoff. NPDES Phase II is intended to reduce adverse impacts to water quality and aquatic habitat by instituting the use of controls on the unregulated sources of stormwater discharges that have the greatest likelihood of causing continued environmental degradation. NPDES Phase II requires operators of Municipal Separate Storm Sewer Systems (MS4s) in urbanized areas to implement Best Management Practices (BMPs) defined in six minimum control measures to control polluted stormwater runoff.

The City of Rolling Meadows (City) falls under the MS4 classification and therefore must submit a Notice of Intent (NOI) to the Illinois Environmental Protection Agency (IEPA) for a General Permit (General Permit ILR40). The NOI must contain general information about the City as well as the BMPs to be implemented for each of the six minimum control measures. The six minimum control measures are given below:

1. Public Education and Outreach
2. Public Involvement and Participation
3. Illicit Discharge Detection and Elimination
4. Construction Site Stormwater Runoff Control
5. Post-Construction Stormwater Management in New Development and Redevelopment
6. Municipal Pollution Prevention and Good Housekeeping

The City's Code of Ordinances, existing public programs, Public Works Department programs and activities, and Public Works Department Policy, Procedures and Programs Manual (Manual) are considered Qualifying Local Programs (QLPs) that count towards satisfying the requirements of the six minimum control measures. The attached NOI details the six minimum control measures, the BMPs associated with these control measures, the QLPs that the City is currently employing and programs the City is proposing to satisfy additional requirements of the six minimum control measures.

The City programs that will continue or have been proposed to meet the requirements of the NPDES Phase II rule over the next five years include:

- Distributing informational brochures,
- Monitoring the website links on the City website,
- Promoting water quality and stream enhancement activities by civic groups and schools,
- Monitoring the Citizens Report Form on the City website,
- Modifying the Department of Community Development Health Inspection Forms
- Modifying the Public Works Ordinance Violation Brochure,
- Adding procedures to the Public Works Department Manual for handling illicit discharges,
- Completing the City's storm sewer map,
- Modifying permitting procedures for developments regarding sediment and erosion control,
- Modifying the City's Code of Ordinances,
- Modifying the City's development policy and guidelines, and
- Adding inspections and pollution prevention activities to the Public Works Department Manual.

The measurable goals and milestones associated with each of these programs are described in the NOI. The City will be required to submit an annual report detailing progress towards these goals to the IEPA on the first day of June each year for the five years until the permit expires on March 10, 2013.

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
 NOTICE OF INTENT FOR NEW OR RENEWAL OF
 GENERAL PERMIT FOR DISCHARGES FROM
 SMALL MUNICIPAL SEPARATE STORM
 SEWER SYSTEMS (MS4s)**

Input forms in Word format are available
 by via email:
 terrtomasters@illinois.gov
 or by calling the Permit Section at
 217/782-0610
 See address for mailing on page 4

For Office Use Only - Permit No. H.R40

Part I. General Information

1. MS4 Operator Name: City of Rolling Meadows
2. MS4 Operator Mailing Address:
 Street- 3600 Kirchoff Road City- Rolling Meadows
 State- Illinois Zip Code- 60008
3. Operator Type: City
4. Operator Status: Local
5. Name(s) of Governmental Entity(ies) in which MS4 is located: Cook County
6. Area of land that drains to your MS4 (in square miles): 5.6
5. Latitude/Longitude at approximate geographical center of MS4 for which you are requesting authorization to discharge:
 Latitude: 42 04 35N Longitude: 88 01 30W
DEG. MIN. SEC. DEG. MIN. SEC.
8. Name(s) of known receiving waters: *Attach additional sheets (Attachment 1) as necessary:*

1. <u>Salt Creek</u>	2. <u>Arlington Heights Branch of Salt Creek</u>
3. _____	4. _____
5. _____	6. _____
7. _____	8. _____
9. _____	10. _____

1. Persons Responsible for Implementation/Coordination of Storm Water Management Program:

<u>Name</u>	<u>Title</u>	<u>Telephone No.</u>	<u>Area of Responsibility</u>
<u>Fred Vogt</u>	<u>Dir. P.W.</u>	<u>847-963-0500</u>	<u>Overall Implementation</u>
<u>Reid Bateman</u>	<u>Ass. Dir. P.W.</u>	<u>847-963-0500</u>	<u>Control Measure #6</u>
_____	_____	_____	_____
_____	_____	_____	_____

II. Best Management Practices (include shared responsibilities) Proposed to be Implemented in the MS4 Area

(Details of BMP implementation for each checked BMP number, e.g., A.1, E.2, is required in Part IV of NOI.)

QLP	MS4	
		A. Public Education and Outreach
X	X	A.1 Distributed Paper Material
		A.2 Speaking Engagement
X	X	A.3 Public Service Announcement
X	X	A.4 Community Event
		A.5 Classroom Education Material
X	X	A.6 Other Public Education
		B. Public Participation/Involvement
		B.1 Public Panel
X	X	B.2 Educational Volunteer
X	X	B.3 Stakeholder Meeting
		B.4 Public Hearing
X	X	B.5 Volunteer Monitoring
X	X	B.6 Program Coordination
X	X	B.7 Other Public Involvement
		C. Illicit Discharge Detection and Elimination
X	X	C.1 Storm Sewer Map Preparation
X	X	C.2 Regulatory Control Program
X	X	C.3 Detection/Elimination Prioritization Plan
X	X	C.4 Illicit Discharge Tracing Procedures
X	X	C.5 Illicit Source Removal Procedures
		C.6 Program Evaluation and Assessment
		C.7 Visual Dry Weather Screening
		C.8 Pollutant Field Testing
X	X	C.9 Public Notification
X	X	C.10 Other Illicit Discharge Controls

QLP	MS4	
		D. Construction Site Runoff Control
X	X	D.1 Regulatory Control Program
X	X	D.2 Erosion and Sediment Control BMPs
		D.3 Other Waste Control Program
X	X	D.4 Site Plan Review Procedures
X	X	D.5 Public Information Handling Procedures
X	X	D.6 Site Inspection/Enforcement Procedures
		D.7 Other Construction Site Runoff Controls
		E. Post-Construction Runoff Control
		E.1 Community Control Strategy
X	X	E.2 Regulatory Control Program
X	X	E.3 Long Term O&M Procedures
X	X	E.4 Pre-Const Review of BMP Designs
X	X	E.5 Site Inspections During Construction
X	X	E.6 Post-Construction Inspections
		E.7 Other Post-Const Runoff Controls
		F. Pollution Prevention/Good Housekeeping
X	X	F.1 Employee Training Program
X	X	F.2 Inspection and Maintenance Program
X	X	F.3 Muni Operations Storm Water Control
X	X	F.4 Municipal Operations Waste Disposal
		F.5 Flood Management/Assess Guidelines
		F.6 Other Municipal Operations Controls

Part III. Qualifying Local Programs

Detailed information for the City's Qualifying Local Programs is provided in Attachment 2.

Part IV. Measurable Goals (include shared responsibilities) Proposed to be Implemented by the MS4

Detailed information for the City's BMPs and Measurable Goals is provided in Attachment 3.

Part V. Certification

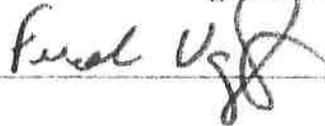
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for knowingly submitting false information, including the possibility of fine and imprisonment.

Authorized Representative Name and Title

Signature

Date

Fred Vogt – Director of Public Works



5/30/08

Mail completed form to:

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF WATER POLLUTION CONTROL
ATTN: PERMIT SECTION
POST OFFICE BOX 19276
SPRINGFIELD, ILLINOIS 62794-9276

Attachment 2 - Qualifying Local Programs

The City of Rolling Meadows established an efficient and effective stormwater management program that is well beyond the minimum requirements of the federally mandated NPDES Phase II program during the original 5-year permit period. The City will continue to monitor the existing program and modify it as necessary to continue to maintain compliance with the NPDES requirements.

1. Public Education and Outreach:

The City of Rolling Meadows has a comprehensive program developed during the original 5 year NOI permit period that provides Public Education and Outreach resources to its residents through printed materials and the City website. Provided below are details outlining the program and the BMPs that are addressed by current City activities and programs.

The program currently produces and distributes brochures and/or informational materials on a variety of stormwater related topics at the Public Works Department. The City's Public Education and Outreach program also publishes a stormwater and/or ambient water quality article in the monthly newsletter and provides links on the City's website to stormwater management resources available from other local and federal agencies.

The Public Works Department holds a Public Open House approximately every 3-5 years to gather valuable community input and provide information to residents. The Public Works Department will hold another Open House within the next 5 years.

This program relates to BMP numbers A.1, A.3, A.4 and A.6.

2. Public Participation/Involvement:

The City of Rolling Meadows has a comprehensive program to address the Public Participation/Involvement requirement of the NPDES Phase II permit. Provided below are details outlining the program and the BMPs that are addressed by current City activities and programs.

The City participates in local water quality programs by assisting groups such as the "Friends of the Creek", City of Rolling Meadows Urban Affairs Committee, and Rolling Meadows High School students with cleanup activities on Salt Creek that focus on removing litter and invasive buckthorn.

The City's Public Works Department staff also participates in the Salt Creek/Poplar Creek Watershed Planning Council. This is one of seven groups established by the Metropolitan Water Reclamation District to address stormwater management needs in Cook County. The Director of Public Works serves on the Salt Creek/Poplar Creek Watershed Planning Council Executive Committee. Involvement of local officials in stormwater management programs at the county and regional level aids in creating greater awareness and understanding of pollution control and water quality issues.

The City has also established several rain garden demonstration areas at the Public Works facility to educate the public about in the importance of caring for the environment and encourage our residents preserve and conserve our natural resources by reducing stormwater runoff and improving water quality in their own back yards. The Public Works Department also developed two interpretive brochures to increase public awareness and understanding of stormwater pollution prevention through Best Management Practices.

The City encourages public participation and action on illicit discharges to surface waters through a "Citizens Report Form" available on the City's website. The report form provides a way to electronically submit notification of illegal activities or infrastructure problems directly to the Public Works Department. Residents are also encouraged to contact the Public Works Department by phone to report potential discharges of

pollutants to the storm sewer system and make routine service requests during business hours and to contact the Police Department non-emergency phone number, aka the "storm water hotline" on evenings and weekends. These phone numbers are listed under the "Stormwater Management" link on the City's website. Examples of reports of illicit discharges received by phone have involved illegal dumping of trash, brush, or other yard waste.

The City also maintains a link to the "Illinois EPA Citizen Pollution Complaint Form" and to the Metropolitan Water Reclamation District of Greater Chicago "To Report an Emergency or Pollution Incident" on the Public Works Department Stormwater Management page to further encourage citizen participation in detection of illicit discharges to the storm sewer system.

The City of Rolling Meadows Park District has historically participated in the National Tree Trust. In previous years, a local scout group planted and cared for 100 seedlings to be planted in Campbell St. Park. The typical practice is to plant trees in containers and then re-planted them desired location once they have reached an appropriate size. The City of Rolling Meadows Park District will continue to participate in this or similar events.

The Public Works Department holds a Public Open House approximately every 3-5 years to gather valuable community input and provide information to residents. The Public Works Department will hold another Open House within the next 5 years.

These programs relate to BMP numbers B.2, B.3, B.5, B.6 and B.7.

3. Illicit Discharge Detection and Elimination:

The City of Rolling Meadows developed a comprehensive program during the original 5 year NOI permit period that addresses the Illicit Discharge Detection and Elimination requirements of the NPDES Phase II program. Provided below are details outlining the program and the BMPs that are addressed by current City activities and programs.

The City has developed an extensive, GIS based storm sewer atlas map and GPS inventory of the storm sewer system. The City has also purchased hardware and software to use and maintain the storm sewer GIS, including: 2 Panasonic CF29 Tough Book computers, work station and server, large format printers, 2 Trimble Geo XT handheld data collection units, and ESRI – ARCGIS 9.2, ARC Server and ARC Pad 7.1 software. The City's atlas is well beyond the minimum requirements of the NPDES Phase II program and is continually updated to reflect new development.

The Public Works Department utilizes a work order management system to document response to reports of illicit discharges (program activity codes #3715 and #5115).

The City of Rolling Meadows Fire Department investigates and responds to all reports of possible illicit discharges to storm sewer systems and HAZMAT spills, with support from the Illinois Emergency Management Association upon request. The City documents, reports and assigns an incident number to all HAZMAT incidents.

The Public Works Department "Ordinance Violations Brochure" includes examples of illicit discharges to the storm sewer system from residential sources prohibited by Section 110-127 of the City Code.

The Community Development Department performs commercial property inspections designed to identify potential illicit discharges of pollutants from commercial sources and take enforcement action.

The City of Rolling Meadows and the Solid Waste Agency of Northern Cook County provides a comprehensive

program to facilitate the proper handling and disposal of oil and household hazardous waste. SWANCC regularly coordinates "Household Hazardous Waste Collection" events that provide residents with the opportunity to bring paints, cleaning solvents, automotive products, old fuel, etc. to a collection location for pickup by a licensed hazardous waste hauler.

As part of the City's refuse collection program residents may bring used oil to a drop off location, where it is transferred to a spill containment storage tank for reclamation by the City's waste oil recycling contractor.

The City of Rolling Meadows Code of Ordinances Sections 110-127 and 110-65 prohibit the discharge of trash, sanitary water or industrial wastewater to the storm sewer system. Fines of not less than \$50.00 nor more than \$1,000.00 have been established for each violation. The Public Works Department has also published Section 110-127 in their Ordinance Violations Brochure that is available at the City Hall and the Public Works Department.

These programs relate to BMP numbers C.1, C.2, C.3, C.4, C.5, C.9 and C.10.

4. Construction Site Runoff Control:

The City of Rolling Meadows developed a comprehensive program during the original 5 year NOI permit period that addresses the Construction Site Runoff Control requirements of the NPDES Phase II program. Provided below are details outlining the program and the BMPs that are addressed by current City activities and programs.

The City of Rolling Meadows Code of Ordinances Section 38-171 requires a development permit for the following activities:

1. Excavation, fill, or any combination that exceeds 100 cubic yards,
2. Fill that exceeds three feet in vertical depth,
3. Excavation that exceeds four feet in vertical depth,
4. Excavation, fill, or any combination that exceeds 5,000 square feet, or
5. Plant cover is to be removed from an area exceeding 5,000 square feet on any vacant parcel or any parcel of land in excess of 10 acres.

All development projects that require a NOI for Construction Activities under NPDES Permit No. ILR10 are identified during the plan review process by the City Engineer. The City's permit procedure requires the applicant to verify submittal of a NOI to the Illinois Environmental Protection Agency Division of Water Pollution Control at least 30 days prior to the commencement of construction.

The City's Public Works Department and City Engineer perform construction site inspection of erosion and sediment control measures to monitor conformance with NPDES Phase II Permit requirements.

Any incidents of non-compliance or reports from residents are handled by the Public Works Department with the same procedures as reports from the Storm Water Hotline and the Citizens Report Form.

These programs relate to BMP numbers D.1, D.2, D.4, D.5 and D.6.

5. Post-Construction Runoff Control:

The City of Rolling Meadows developed a comprehensive program during the original 5 year NOI permit period that addresses the Post-Construction Runoff Control requirements of the NPDES Phase II program. Provided below are details outlining the program and the BMPs that are addressed by current City activities and programs.

The City of Rolling Meadows Code of Ordinances Section 122-266 requires preservation and maintenance of open space for planned developments. This section requires that the open space shall be preserved by private

reservation or dedication to the public. The City of Rolling Meadows will continue to enforce this non-structural BMP in its Code of Ordinances.

The City performs bi-weekly site inspections at new development and redevelopment projects to verify compliance with the runoff control requirements.

The City's existing requirements of the Municipal Code govern responsibility for long-term operation and maintenance of new storm sewer systems. The goal of this program is to assign responsibility for the maintenance of new storm sewer systems to a responsible party other than the City.

The Public Works Department continues to develop working files and review technical reports on structural and non-structural BMPs that can be incorporated into site development guidelines. The City Engineer reviewed and recommended structural and non-structural BMPs for all new development projects.

These programs relate to BMP numbers E.2, E.3, E.4, E.5 and E.6.

6. Pollution Prevention/Good Housekeeping:

The City of Rolling Meadows developed a comprehensive program during the original 5 year NOI permit period that addresses the Pollution Prevention/Good Housekeeping requirements of the NPDES Phase II program. The goal of this BMP is to identify current practices that contribute to stormwater pollution and implement programs and procedures for Public Works activities that curtail the discharge of pollutants to storm sewer systems. Provided below are details outlining the program and the BMPs that are addressed by current City activities and programs.

IEPA approved \$351,000 in grant funds for Salt Creek stream bank stabilization projects, which include a large portion of the shoreline on Kennedy Pond. The grant application approved also addresses Salt Creek shore erosion problems in two locations near Central Road and another west of Fox Lane. The project will reduce shore and stream bank erosion and improve water quality in the portion of Salt Creek that flows through Rolling Meadows. A contract has been approved with the City Engineer for the final design and project specifications. Work on the project is expected to begin late spring or early summer 2008 and be completed by the end of the year.

In 2007 the City completed installation of an aeration system at Barker Lake to improve water quality and algae control.

Activities in the City's vehicle maintenance shop are a potentially significant source of pollutants. Procedures that address spill prevention, material management, and good housekeeping practices that limit pollution discharges from vehicle O & M activities in the vehicle services shop are part of our ongoing staff training and education program. Waste oil and anti-freeze storage tanks, and lead acid batteries awaiting pickup for recycling are located inside the vehicle shop and not exposed to storm water. Oil, hydraulic fluids, anti-freeze and cleaners are stored inside the building, well away from outside doors. Used oil dropped off by residents as part of the City's recycling program is stored outside in a spill containment tank. All used oil and anti-freeze is periodically picked up for off-site reclamation by a waste oil service. There are no "significant materials" which are exposed to storm water.

The City's street sweeping program has a direct beneficial impact on water quality. The City of Rolling Meadows maintains 121 miles of curb line. All streets are swept every 21-28 days April through November. In October and November street sweeping is performed more frequently (by contract) in key areas. The City's street sweeping program prevents substantial discharges of particulates/solids, phosphorus and petroleum based products to Salt Creek.

The City maintains public open space and right-of-way areas by contract. Use of herbicides for broadleaf weed control in turf is limited to locations receiving the highest levels of maintenance. Herbicides having exceptionally low toxicity to aquatic life are used exclusively. Fertilizer materials applied to turf are specified to be slow-release, minimizing the potential for pollution discharge in stormwater runoff. Certified operators make all applications of herbicides and fertilizers, which provide assurance that proper disposal practices and label instructions are followed. BMPs reflected in the City's landscape maintenance activities include triple rinsing of herbicide containers and application of the rinsate to the area being treated, spill prevention during storage, use minimization, application by licensed operators, and careful selection of pesticide materials to minimize any potential adverse water quality impact.

The Public Works Department provides weekly yard waste collection service to all single-family households. Brush collection is also conducted twice yearly in the spring and fall.

The City's litter control and waste disposal programs serve to protect water quality and enhance the visual aesthetics of the community. Outstanding levels of refuse collection and recycling service, and an emphasis on litter control and roadside maintenance contributes to Rolling Meadows reputation as a clean community. Despite substantial effort devoted to public education, litter removal, street sweeping and enforcement of ordinances, dumping of trash along Salt Creek, public right-of-way, and litter from other sources still enters the City's storm sewer system and ultimately is discharged to Salt Creek. The Public Works Department coordinates litter and debris removal with Cook County "Sheriff Work Alternative Program" (SWAP) participants to reduce the amount of litter and debris discharged to Salt Creek through the City's storm sewer system.

The City maintains 60 miles of underground storm sewer lines, 5 miles of open drainage ditches, 100 culverts, 3,000 catch basins and inlet structures, 1,500 storm sewer manholes, 43 outfalls, 11 miles of Salt Creek stream bank, and numerous detention and retention facilities. The City improves maintenance of the City's underground storm sewer system by cleaning catch basins, repairing catch basins/manholes and/or replacing catch basin inlets. The City's Underground Utilities Division also performs televising, cleaning and jetting, point repairs under 10', manhole cover replacement, and manages contractual work such as infiltration testing and detection of storm sewer connections to the sanitary sewer system.

In 2007 a report on current F.O.G. conditions was prepared and a 2-3 year high pressure water jetting program to prevent sanitary sewer overflows was recommended and implemented by the Division.

The Public Works Department also has an inspection program that was initiated during the original permit period. The goal of this BMP is to complete inspections of outfalls and detention/retention facilities once every three years. In Permit Year 5 the City completed inspection of all outfalls and detention/retention facilities. The inspection process included photo and written documentation of current conditions. Inspections were also made following large storm events to verify the working condition of storm sewer inlets and detention/retention basins.

The City of Rolling Meadows Public Works Department Employee Manual specifically addresses waste removal and environmentally conscious winter salt storage techniques by Public Works employees. In past years, the City has received the Excellence in Salt Storage Award from the National Salt Institute, which recognizes agencies with outstanding storage facilities and programs. Liquid calcium chloride is stored in fiberglass tanks. Consequently none of the deicing materials are exposed to storm water during storage and there is no threat of release to the storm sewer system. BMPs employed by the City prevent the discharge of pollutants to the Maximum Extent Practicable.

These programs relate to BMP number F.1, F.2, F.3, F.4 and F.6.

Attachment 3 - Measurable Goals Proposed to be Implemented by the MS4

The City's comprehensive NPDES Phase II program developed during the original 5-year permit period exceeds the minimum requirements set forth in the General Permit HR40 and will be continued during the next permit period. The City will continue to monitor the existing program and modify it as necessary to continue to maintain compliance with the NPDES requirements. Currently, there are no additional BMPs proposed to be implemented by the City during permit years 6-10.

BMP No. A.1

Brief Description of BMP:

The City of Rolling Meadows will continue to produce and make available brochures on a variety of stormwater related topics. These brochures and informational materials are made available for the public at the City facilities.

Measurable Goal(s), including frequencies:

The brochures will be developed to target developers, commercial and industrial facility operators and residents. The goal of this program is to increase the awareness of impacts of stormwater discharges on water bodies and the steps that the public can take to reduce pollutants in stormwater runoff.

Milestones: Years 6-10: The City of Rolling Meadows will continue to make informational materials and brochures related to stormwater management available at the City facilities.

BMP No. A.3

Brief Description of BMP:

The City of Rolling Meadows will continue to include a stormwater and/or ambient water quality related articles in the City's monthly newsletter, "News & Views".

Measurable Goal(s), including frequencies:

The City newsletter article will be developed to target developers, commercial and industrial facility operators and interested citizens. The goal of this program is to increase the awareness of impacts of stormwater discharges on water bodies and the steps that the public can take to reduce pollutants in stormwater runoff.

Milestones: Years 6-10: The City of Rolling Meadows will continue to include a stormwater and/or ambient water quality related article in the City newsletter each year.

BMP No. A.4

Brief Description of BMP:

The Public Works Department holds a Public Open House approximately every 3-5 years to gather valuable community input and provide information to residents. The Public Works Department will hold another Open House within the next 5 years.

Measurable Goal(s), including frequencies:

The goal of this BMP is to encourage community participation thorough education and interaction with City employees.

Milestones: Years 6-10: The City of Rolling Meadows will continue to hold the community event.

BMP No. A.6

Brief Description of BMP:

The City of Rolling Meadows will continue to monitor the links on the City website that provide stormwater management information and other waste related information to residents. The City will update or modify the links as needed or as additional information becomes available.

Measurable Goal(s), including frequencies:

The website will be developed to target developers, commercial and industrial facility operators and residents. The goal of this program is to increase the awareness of impacts of stormwater discharges on water bodies and the steps that the public can take to reduce pollutants in stormwater runoff.

Milestones: Years 6-10: The Public Works Department will monitor website links and update as new information becomes necessary or available.

BMP No. B.2, B.5, and B.6

Brief Description of BMP:

The City of Rolling Meadows will continue to support local schools and/or civic groups by providing coordination, supplies and/or training for water quality and stream enhancement activities.

Measurable Goal(s), including frequencies:

The City of Rolling Meadows will continue to support and encourage local groups to participate in a water quality or stream enhancement programs. This program has the goal of encouraging active public participation in ambient water quality programs and increasing the visibility of water quality and stream enhancement issues.

Milestones: Years 6-10: The Public Works Department will continue to support local volunteer group activities.

BMP No. B.3

Brief Description of BMP:

The City's Public Works Department staff participates in the Salt Creek/Poplar Creek Watershed Planning Council. This is one of seven groups established by the Metropolitan Water Reclamation District to address stormwater management needs in Cook County. The Director of Public Works serves on the Salt Creek/Poplar Creek Watershed Planning Council Executive Committee. Involvement of local officials in stormwater management programs at the county and regional level aids in creating greater awareness and understanding of pollution control and water quality issues.

Measurable Goal(s), including frequencies:

The goal of this BMP is to increase awareness of local stormwater and/or water quality issues and the effects residents, as well as local governments, have on pollution control.

Milestones: Years 6-10: The City will continue to participate in local stakeholder meetings and represent the residents on pertinent stormwater management issues.

BMP No. B.7

Brief Description of BMP:

The City of Rolling Meadows will continue to provide the Citizens Report Form on the Public Works Department website to allow reporting of illicit discharges to the storm sewer system and maintenance problems associated with ponds, streams or outfalls. The Citizens Report Form allows residents of Rolling Meadows to electronically submit notification of infrastructure problems directly to the Public Works Department.

Measurable Goal(s), including frequencies:

The goal of this program is to provide active citizen participation in detection of illicit discharges to the storm sewer system and problems with drainage features. This program will also aid the Public Works Department in the detection of illicit discharges and inspection of drainage features.

Milestones: Years 6-10: The Public Works Department will continue to provide the Citizen Report Form and track reports by location and problem.

BMP No. C.1

Brief Description of BMP:

The City has developed an extensive, GIS based storm sewer atlas map and GPS inventory of the storm sewer system.

Measurable Goal(s), including frequencies:

The goal of this program is to develop a storm sewer map for the City.

Milestones: Years 6-10: The Public Works Department will update storm sewer map as needed to reflect new and re-development.

BMP No. C.2, C.3, C.4, C.5

Brief Description of BMP:

The Public Works Department utilizes a work order management system for handling the report of a possible illicit discharge to storm sewer systems. The City of Rolling Meadows Fire Department Hazardous Materials Unit responds to hazardous spills or discharges that may enter the storm sewer system. The Hazardous Materials Unit produces reports of these discharges and they are tracked and assigned an incident number. The Citizens Report Form on the Public Works website and the Community Development Department Health Inspection Forms can also be used to report illicit discharges.

Measurable Goal(s), including frequencies:

The goal of this program is to develop procedure for tracking, investigating and eliminating illicit discharges to the storm sewer system.

Milestones: Years 6-10: The Public Works Department will continue to enforce the procedures for eliminating illicit discharges once they are reported and investigated.

BMP No. C.9

Brief Description of BMP:

The City of Rolling Meadows Public Works Ordinance Violation Brochure is available at the Public Works Department and City Hall and explains Public Works Ordinance Violations. The brochure includes examples of illicit discharges to the storm sewer system from residential sources prohibited by the City Code.

Measurable Goal(s), including frequencies:

The goal of this program is to notify the public about the consequences of discharging illicit discharges into the storm sewer system.

Milestones: Years 6-10: The City of Rolling Meadows will continue to provide the Public Works Ordinance Violation Brochure and enforce the City Code.

BMP No. C.10

Brief Description of BMP:

The City of Rolling Meadows Community Development Department Health Inspection Forms specifically addresses non-stormwater discharges into the storm sewer system from commercial sources (e.g. restaurant grease traps).

Measurable Goal(s), including frequencies:

The goal of this program is identify illicit discharges to the storm sewer system from commercial sources.

Milestones: Years 6-10: The Community Development Department will continue to utilize the inspection forms and enforce the Code to eliminate these sources once identified.

BMP No. D.1, D.4

Brief Description of BMP:

All development projects over 1 acre require a NOI for Construction Activities under NPDES Permit No. ILR10 are identified during the plan review process by the City Engineer. The City's permit procedure requires the applicant to verify submittal of a NOI to the Illinois Environmental Protection Agency Division of Water Pollution Control at least 30 days prior to the commencement of construction.

Measurable Goal(s), including frequencies:

The goal of this BMP will be to have all sediment and erosion control measure for developments greater or equal to one acre be reviewed by the City and notification provided to the IEPA.

Milestones: Years 6-10: The Public Works Department will continue to enforce the review procedures.

BMP No. D.2, D.5, D.6

Brief Description of BMP:

The City's Public Works Department and City Engineer perform construction site inspection of erosion and sediment control measures to monitor conformance with NPDES Phase II Permit requirements. Any incidents of non-compliance or reports from residents are handled by the Public Works Department with the same procedures as reports from the Storm Water Hotline and the Citizens Report Form.

Measurable Goal(s), including frequencies:

The goal of this BMP will be to reduce the discharge of pollutants from construction sites by effectively utilizing sediment and erosion control measures for developments in the City.

Milestones: Years 6-10: The Public Works Department will continue to perform the sediment and erosion control measure procedures and inspections.

BMP No. E.2, E.4

Brief Description of BMP:

The City's Code requires that the site design for development projects that disturb greater than one acre must have in place controls that would protect water quality and reduce the discharge of pollutants for the life of the development project. The City Engineer reviews structural and non-structural BMPs for all new development projects BMPs to verify they meet the goals of the City Code and the specific project site. The Public Works Department also continues to develop working files and review technical reports on structural and non-structural BMPs that can be incorporated into site development guidelines.

Measurable Goal(s), including frequencies:

The goal of this BMP will be to address stormwater runoff from new development and redevelopment projects that disturb greater than or equal to one acre.

Milestones: Years 6-10: The City will continue to enforce the Code and procedures.

BMP No. E.3

Brief Description of BMP:

The City Code contains language and enforcement procedures to require long-term stormwater facility maintenance agreements for new development and redevelopment projects.

Measurable Goal(s), including frequencies:

The goal of this program is to assign responsibility for the maintenance of new storm sewer systems to a responsible party other than the City.

Milestones: Years 6-10: The Public Works Department will continue to enforce the development policies and Code.

BMP No. E.5, E.6

Brief Description of BMP:

The City performs bi-weekly site inspections during and after construction at new development and redevelopment projects to verify compliance with the runoff control requirements.

Measurable Goal(s), including frequencies:

The goal of this BMP is to reduce the amount of pollutants leaving development sites by inspecting the BMPs to verify compliance and performance.

Milestones: Years 6-10: The Public Works Department will continue to perform the inspections and enforce the development guidelines.

BMP No. F.1, F.3, F.4

Brief Description of BMP:

The Public Works Department has procedures that provide guidance and procedures for employees to reduce or eliminate the discharge of pollutants from City owned facilities to the storm sewer system. The City's extensive program to reduce pollutant discharge by City employees is outlined in the QLP section of this report.

Measurable Goal(s), including frequencies:

The goal of this BMP will be to educate Public Works employees of current practices that contribute to stormwater pollution and/or to develop new procedures and make revisions to existing procedures that will curtail the discharge of pollutants to storm sewer systems by Public Works employees.

Milestones: Years 6-10: The Public Works Department will approve continue the current programs.

BMP No. F.2

Brief Description of BMP:

The City of Rolling Meadows Public Works Department has procedures that require routine inspections of ponds, stream channels and storm sewer outfalls once every three years by Public Works staff. Non-routine inspection visits should be required to address comments from residents, the Fire Department Hazardous Materials Unit and the Community Development Department Inspections. The inspection process included photos and written documentation of current conditions. Inspections are also performed following large storm events to verify the working conditions of storm sewer inlets and detention/retention basins.

Measurable Goal(s), including frequencies:

The goal of this BMP will be to require inspections of ponds, streams and outfalls.

Milestones: Years 6-10: The Public Works Department will continue the inspection program.

City of Rolling Meadows
NPDES Phase II Annual Report - Permit Year 5
Permit Number ILR400435



Prepared by

Public Works Department
City of Rolling Meadows
3900 Berdnick Street
Rolling Meadows, Illinois 60008

May 2008

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
ANNUAL FACILITY INSPECTION REPORT
NPDES PERMIT FOR STORM WATER DISCHARGES
FROM MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4)**

Complete each section of this report.

REPORT PERIOD:	FROM: March 2007	TO: March 2008
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MS4 OPERATOR INFORMATION: (As it appears on the current permit)

NAME: City of Rolling Meadows		TELEPHONE NUMBER: 847-963-0500
MAILING ADDRESS: 3600 Kirchoff Road		
CITY: Rolling Meadows	STATE: IL	ZIP: 60008
CONTACT PERSON: Fred Vogt, Director of Public Works (Person responsible for Annual Report)		

NAME(S) OF GOVERNMENTAL ENTITY(IES) IN WHICH MS4 IS LOCATED: (As it appears on the current permit)

Cook County	

THE FOLLOWING ITEMS MUST BE ADDRESSED.

A. CHANGES TO BEST MANAGEMENT PRACTICES (check appropriate BMP change(s) and attach information regarding change(s) to BMP and measurable goals.)

1. Public Education and Outreach	<input type="checkbox"/>	4. Construction Site Runoff Control	<input type="checkbox"/>
2. Public Participation/Involvement	<input type="checkbox"/>	5. Post-Construction Runoff Control	<input type="checkbox"/>
3. Illicit Discharge Detection & Elimination	<input type="checkbox"/>	6. Pollution Prevention/Good Housekeeping	<input type="checkbox"/>

No changes to BMP's and measurable goals outlined in the City of Rolling Meadows Notice of Intent (NOI) are currently planned during the 2008-2013 permit cycle.

B. Attach the status of compliance with permit conditions, an assessment of the appropriateness of your identified best management practices and progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP, and your identified measurable goals for each of the minimum control measures.

Status of Compliance with Permit Conditions

The City of Rolling Meadows has substantially complied with all applicable conditions of its NPDES Phase II Permit for the MS4 system during this reporting period.

Assessment of Appropriateness of Identified BMP's

At this time, it is the opinion of City staff that the City of Rolling Meadows NOI includes Best Management Practices that are effective and appropriate for minimizing stormwater pollution.

Progress Towards a Reduction in Pollutants Discharged

Based on the achievement of measurable goals for Permit Year 5, it is the opinion of City staff that satisfactory progress has been made towards the goal of reducing the discharge of pollutants to the MEP.

Progress Towards Achievement of Measurable Goals Identified for Permit Year 5

The status of progress towards achieving identified measurable goals for each of the minimum control measures is presented below.

BMP A. Public Education And Outreach

BMP A.1 Informational Material and Brochures

The goal of this program is to increase the awareness of impacts of stormwater discharges on water bodies and the steps that the public can take to reduce pollutants in stormwater runoff.

Year 5: The City of Rolling Meadows will make informational material and brochures available at the Public Works Department and City Hall.

In Permit Year 5 the Public Works Department distributed or made the following informational material, professional journals and publications available to the public:

- "A Citizen's Guide to Maintaining Stormwater Best Management Practices", Lake County Stormwater Management Commission; December 2002
- "Protecting Water Quality from Urban Runoff", U.S. EPA; February 2003
- "Storm Water Best Management Practices Start at Home", University of Illinois Extension; 2000
- "Illicit Discharge Detection and Elimination", Center for Watershed Protection and University of Alabama; October 2004
- "Stormwater Management for Construction Activities – Developing Pollution Prevention Plans and Best Management Practices", U.S. EPA; October 1992
- "Illicit Discharge Detection and Elimination Manual", Cuyahoga County Board of Heath Watershed Protection; July 2006
- "Using Smart Growth Techniques as Stormwater Best Management Practices", U.S. EPA; December 2005
- STORMWATER Journal for Surface Water Quality Professionals; March/April 2007 – January/February 2008, Forester Communications, Inc., Santa Barbara, CA.
- LAND and WATER Magazine of Natural Resource Management and Restoration; March/April 2007 – January/February 2008, Land and Water, Inc., Fort Dodge, IA
- APWA REPORTER, March 2007 – March 2008, American Public Works Association, Kansas City, MO
- STORMS & FLOODS, Winter 2006-2007, Illinois Association for Floodplain & Stormwater Management, Park Forest, IL
- EROSION CONTROL Official Journal of the International Erosion Control Association; March/April 2007 – May 2008, Forester Communications, Inc., Santa Barbara, CA.
- "Stormwater Facility Maintenance", "Alternate Design Approaches"; MWRDGC, September 13, 2007
- "A Local Ordinance to Protect Wetland Functions", Center for Watershed Protection; December 2007
- "Developing Your Stormwater Pollution Prevention Plan – A Guide to Construction Sites", U.S. EPA; May 2007
- "Sustainable Stormwater Management", "Rain Gardens – Reduce Stormwater Run-Off and Utilize a Natural Resource"; City of Rolling Meadows, October 2007

The City met its measurable goal of obtaining informational material and brochures that increase awareness of the impacts of stormwater discharges on water bodies and steps that the public can take to reduce pollutants in stormwater runoff.

BMP A.3 Newsletter Articles

The goal of this program is to increase the awareness of impacts of stormwater discharges on water bodies and the steps that the public can take to reduce pollutants in stormwater runoff.

Year 5: The City of Rolling Meadows will include a stormwater and/or ambient water quality related article in the City newsletter.

The City published the following articles in the "News and Views", a monthly newsletter that is sent to all residents of Rolling Meadows:

- "Council Approves Environmental Sub-Committee Mission Statement", May 2007
- "Volunteers Make Annual Creek Cleanup a Success", June 2007
- "New Technology to Help City Manage Underground Assets", July 2007
- "October 6 Open House to Showcase Public Works, Park District Services", "Environmental Committee to Host Salt Creek Cleanup September 15", September 2007
- "Public Works Rain Garden, City Hall Patio Demonstrate City Commitment to Environment", October 2007
- "City Committed to Preserving Environment", Residents Explore Public Works Services at Open House", November 2007
- "City's Three-Year Long Persistence Pays Off With \$351,000 Salt Creek Stabilization Grant", December 2007
- "Citizens Academy to Explore Public Works Vital Role", January 2008
- "Four-Part Citizens Training Academy Kicks Off March 27 at Public Works", "Water Conservation Pays Off", February 2008
- "Register by March 14 for Public Works Citizens Training Academy", March 2008
- "Committee to Host Annual Earth Day Cleanup April 19", April 2008

The City exceeded its measurable goal of including a stormwater and/or water quality related article in the City "News and Views" newsletter once a year.

BMP A.6 Web Site Links

The goal of this program is to increase the awareness of impacts of stormwater discharges on water bodies and the steps that the public can take to reduce pollutants in stormwater runoff.

Year 5: The Public Works Department will monitor and update website link(s) as new information becomes available.

The following links to stormwater management resources were included in the City's Internet home page www.cityrm.org >Public Works Department >Stormwater Management:

- www.swancc.org
- www.epa.gov/npdes/index.cfm
- www.epa.gov/npdes/stormwatermonth
- www.epa.state.il.us
- www.saltcreekwatershed.org
- www.epa.state.il.us/water/permits/storm-water/construction.html
- www.epa.state.il.us/comments.html

Links to (a) City of Rolling Meadows NPDES Phase II Annual Report, (b) Ordinance No. 05-34 XVII. Soil Erosion Control; and (c) Ordinance No. 05-35 Chapter 38 "Environment," Article III, Sec. 38-139; Standards and Specifications for Soil Erosion and Sediment Control are also provided on the Internet.

The City met its measurable goal of including links on the City's website that include information on water quality issues.

BMP B. Public Participation/Involvement

BMP B.2, B.5, B.6 Participation in Local Water Quality and Stream Enhancement Activities

This program has the goal of encouraging active public participation in ambient water quality programs and increasing the visibility of water quality and stream enhancement issues.

Year 5: The Public Works Department will begin implementation of activity or program for at least one of the identified groups and track progress of group.

The goal of active participation in water quality programs was achieved through assisting the Friends of the Creek" and City of Rolling Meadows Urban Affairs Committee. This spring volunteers from these groups along with Rolling Meadows High School students and City staff held a cleanup day along Salt Creek that focused on removal of litter and invasive buckthorn.

Public Works Department staff participated in the Salt Creek/Poplar Creek Watershed Planning Council. This is one of seven groups established by the Metropolitan Water Reclamation District to address stormwater management needs in Cook County. The Director of Public Works serves on the Salt Creek/Poplar Creek Watershed Planning Council Executive Committee. Involvement of local officials in stormwater management programs at the county and regional level aids in creating greater awareness and understanding of pollution control and water quality issues.

In 2007 the City established several raingarden demonstration areas at the Public Works facility to educate the public about in the importance of caring for the environment and encourage our residents preserve and conserve our natural resources by reducing stormwater runoff and improving water quality in their own back yards. The Public Works Department also developed two interpretive brochures (attached) to increase public awareness and understanding of stormwater pollution prevention through Best Management Practices.

On October 6, 2007 Mayor Ken Nelson dedicated the raingarden demonstration project with a ribbon cutting ceremony. Feature articles on raingardens and stormwater management were included in October 2007 and November 2007 "News and Views"; and in the City Engineer's Fall/Winter 2007 Newsletter.

The City met its measurable goal of facillitating participation in local water quality and stream enhancement projects.

BMP B.7 Citizens Report Form

The goal of this program is to provide active citizen participation in detection of illicit discharges to the storm sewer system and problems with drainage features.

Year 5: The Public Works Department will track citizen reports of illicit discharges to the storm sewer system and maintenance problems associated with outfalls, ponds, and streams by type and location, and address problems in a timely manner.

The City continued to encourage public action on illicit discharges to surface waters through a "Citizens Report Form" on the Internet (www.cityrm.org) that provides a way to electronically submit notification of infrastructure problems directly to the Public Works Department. There were no e-mail reports of illicit discharges documented in Year 5.

To encourage public participation residents are instructed to contact the Public Works Department by phone to report potential discharges of pollutants to the storm sewer system and make routine service requests during business hours, and to contact the Police Department non-emergency phone number ("storm water hotline") on evenings and weekends. These phone numbers are listed under the "[Stormwater Management](#)" link on the City's website. Reports of potential illicit discharges received by phone involved illegal dumping of trash, brush, or other yard waste.

The City maintained a link to the "Illinois EPA Citizen Pollution Complaint Form" (www.epa.state.il.us/comments) and to the Metropolitan Water Reclamation District of Greater Chicago "To Report an Emergency or Pollution Incident" (www.mwrdgc.dst.il.us) on the Public Works Department Stormwater Management page to further encourage citizen participation in detection of illicit discharges to the storm sewer system.

The City met its measurable goal of tracking reports of illicit discharges by location and problem, and taking corrective action in a timely manner.

BMP C. Illicit Discharge Detection and Elimination

BMP C.1 Storm Sewer Mapping

The goal of this program is to develop a storm sewer map for the City.

Year 5: The City will complete the GIS Storm Sewer Map.

In FY 2007-2008 funding to complete 100% of the Storm Sewer atlas map and GPS inventory of the storm sewer system was approved by the City Council. The City also purchased hardware and software to use and maintain the storm sewer GIS, including: 2 Panasonic CF29 Tough Book computers, work station and server, large format printers, 2 Trimble Geo XT handheld data collection units, and ESRI – ARCGIS 9.2, ARC Server and ARC Pad 7.1 software.

The City has met measurable goals established for GIS mapping, including the location of outfalls, catch basins, manholes and other structures that discharge to Salt Creek.

BMP C.2, C.3, C.4, C.5 Procedures for Cataloging Reports of Illicit Discharges

The goal of this program is to develop procedure for tracking, investigating and eliminating illicit discharges to the storm sewer system.

Year 5: The Public Works Department will investigate and enforce Sections 110-127 of the City Code to eliminate and prevent illicit discharges to the MEP.

The Public Works Department utilizes a work order management system to document response to reports of illicit discharges (program activity codes #3715 and #5115).

HAZMAT Spills and Illicit Discharges to Stormwater Systems – The City of Rolling Meadows Fire Department investigates and responds to all reports of possible illicit discharges to storm sewer systems and HAZMAT spills, with support from the Illinois Emergency Management Association upon request. The City responded to nine minor HAZMAT incidents, and assisted the Palatine Fire Department with containment of an illicit discharge of mineral oil (50 gallons) that occurred upstream in Salt Creek. One reportable discharge of hazardous materials to the City's underground storm sewer system (Incident # H20070447) occurred in Year 5.

The City met its measurable goal of investigating and enforcing Sections 110-127 of the City Code to eliminate and prevent illicit discharges to the MEP in Permit Year 5.

BMP C.9 Public Works Ordinance Violations Brochure

The goal of this program is to notify the public about penalties for illicit discharges into the storm sewer system.

Year 5: The City of Rolling Meadows will enforce Section 110-127 of the Public Works Ordinance Violation Brochure that prohibit unauthorized non-stormwater discharges into the storm sewer system from residential sources.

The Public Works Department "Ordinance Violations Brochure" includes examples of illicit discharges to the storm sewer system from residential sources prohibited by Section 110-127 of the City Code. No enforcement action was necessary in Permit Year 5.

BMP C.10 Control of Illicit Discharges from Commercial Sources

The goal of this program is identify illicit discharges to the storm sewer system from commercial sources.

Year 5: The Community Development Department will implement the commercial property inspection process, maintain records, and take enforcement action.

The Community Development Department implemented commercial property inspections designed to identify potential illicit discharges of pollutants from commercial sources and take enforcement action. In Permit Year 5 there were no incidents of illicit discharge of pollutants observed.

Other Illicit Discharge Controls – Oil and Household Hazardous Waste Collection

The City of Rolling Meadows and the Solid Waste Agency of Northern Cook County provides a comprehensive program to facilitate the proper handling and disposal of oil and household hazardous waste. In 2007 SWANCC coordinated several Household Hazardous Waste Collection” events which provided residents with the opportunity to bring paints, cleaning solvents, automotive products, old fuel, etc. to a collection location for pickup by a licensed hazardous waste hauler.

As part of the City's refuse collection program residents may bring used oil to a drop off location, where it is transferred to a spill containment storage tank for reclamation by the City's waste oil recycling contractor.

BMP D. Construction Site Storm Water Runoff Control

BMP D.1, D.4 Permitting Procedures

The goal of these BMP's are to include requirements for submittal of sediment and erosion control plans for developments greater than or equal to one acre in size to the Illinois Environmental Protection Agency.

Year 5: The City will implement permit procedures that require the applicant to verify submittal of a “NOI for Construction Site Activities” to the IEPA.

Development projects that require a NOI for Construction Activities under NPDES Permit No. ILR10 are identified during the plan review process by the City Engineer. The City's permit procedure requires the applicant to verify submittal of a NOI to the Illinois Environmental Protection Agency Division of Water Pollution Control at least 30 days prior to the commencement of construction.

The City met its measurable goal of implementing new permit procedures.

Procedures for Site Inspections During Construction and Post-Construction Inspections

Public Works Department and City Engineer continued construction site inspection of erosion and sediment control measures to monitor conformance with NPDES Phase II Permit requirements. The annual rate of compliance with erosion and sediment control measures at 18 development projects was 49%. A summary of “Construction Site Inspections-Permit Year 5” is attached to this report.

BMP E. Post-Construction Storm Water Management

BMP E.2 City Ordinance Code

The goal of this BMP will be to address stormwater runoff from new development and redevelopment projects that disturb greater than or equal to one acre.

Year 5: The City will implement inspection and enforcement of erosion and sediment control measures required by City Code.

In 2007 the City continued to perform bi-weekly site inspections at new development and redevelopment projects . A copy of the “Stormwater Runoff Construction Site Observation Report Form” is attached to this report.

The City met its measurable goal of implementing inspection and enforcement of erosion and sediment control measures required by City Code.

Information required by this form must be provided to comply with 415 ILCS 5/39 (1996). Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center. 7

BMP E.3 Long Term Maintenance

The goal of this program is to assign responsibility for the maintenance of new storm sewer systems to a responsible party other than the City.

Year 5: The City will complete a draft of proposed policy revisions to improve the identification of responsibility for short-term and long-term maintenance and operation of storm sewers and stormwater drainage improvements on private property.

No action necessary. The City determined that existing requirements of the Municipal Code govern responsibility for long-term operation and maintenance of new storm sewer systems.

BMP E.4 Structural and Non-Structural BMP Guidelines

The goal of this BMP will be to put in place procedures to identify structural and non-structural BMP's that can be incorporated into site development projects.

Year 5: The Public Works Department and City Engineer will review and recommend structural and non-structural BMP's for new development projects.

The Public Works Department continued to develop working files and review technical reports on structural and non-structural BMP's that can be incorporated into site development guidelines. The City Engineer reviewed and recommended structural and non-structural BMP's for all new development projects in Permit Year 5.

BMP F. Pollution Prevention/Good Housekeeping

BMP F.1, F.3 Public Works Activities

The goal of this BMP is to identify current practices that contribute to stormwater pollution and implement programs and procedures for Public Works activities that curtail the discharge of pollutants to storm sewer systems.

Year 5: The Public Works Department will identify educational material, develop new procedures or maintain existing procedures that will reduce or eliminate the discharge of pollutants from Public Works activities to the storm sewer system.

A summary of programs and action taken in Year 5 to reduce the discharge of pollutants are discussed below.

IEPA Clean Water Act Section 319 Program – Salt Creek Stabilization Grant

IEPA approved \$351,000 in grant funds for Salt Creek stream bank stabilization projects, which include a large portion of the shoreline on Kennedy Pond. The grant application approved also addresses Salt Creek shore erosion problems in two locations near Central Road and another west of Fox Lane. The project will reduce shore and stream bank erosion and improve water quality in the portion of Salt Creek that flows through Rolling Meadows. A contract has been approved with the City Engineer for the final design and project specifications. Work on the project is expected to begin late spring or early summer 2008 and be completed by the end of the year.

Barker Lake Water Quality Improvement

In 2007 the City completed installation of an aeration system at Barker Lake to improve water quality and algae control.

Fleet Maintenance Activities

Activities in the City's vehicle maintenance shop are a potentially significant source of pollutants. Procedures that address spill prevention, material management, and good housekeeping practices that limit pollution discharges from vehicle O & M activities in the vehicle services shop are part of our ongoing staff training and education program. Waste oil and anti-freeze storage tanks, and lead acid batteries awaiting pickup for recycling are located inside the vehicle shop and not exposed to storm water. Oil, hydraulic fluids, anti-freeze and cleaners are stored inside the building, well away from outside doors. Used oil dropped off by residents as part of the City's recycling program is stored outside in a spill containment tank. All used oil and anti-freeze is periodically picked up for off-site reclamation by a waste oil service. There are no "significant materials" which are exposed to storm water.

Information required by this form must be provided to comply with 415 ILCS 5/39 (1996). Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center. 8

Street Maintenance Activities

Street Sweeping Program – Street Sweeping provides two primary benefits to the City. The more obvious benefit is the collection and removal of paper, leaves, and other visible debris that collect in the gutters. This debris can block storm water facilities, causing localized flooding during heavy rains. An equally important, but less visible benefit is the removal of metal particles and other hazardous waste products left by passing vehicles. Although they are virtually invisible, these particles can be extremely harmful to fish and other wildlife if they reach Salt Creek. Street sweeping is an effective method of removing both the large and microscopic pollutants that collect on City streets. This sweeping also serves as one of our Best Management Practices (BMP) to control and improve water quality. The City of Rolling Meadows maintains 121 miles of curb line. All streets are swept every 21-28 days April through November. In October and November street sweeping is performed more frequently (by contract) in key areas. The City's street sweeping program prevents substantial discharges of particulates/solids, phosphorus and petroleum based products to Salt Creek.

Street Deicing Program – Deicing activities have potentially deleterious effects on water quality. The City follows a "bare pavement" policy for snow and ice control on local roads. Because of the need for applying large amounts of deicing materials in northern Illinois, it is not feasible to eliminate their discharge to the storm sewer system. Salt used as a deicing material is stored under roof. Liquid calcium chloride is stored in fiberglass tanks. Consequently none of the deicing materials are exposed to storm water during storage and there is no threat of release to the storm sewer system. BMP's employed by the City prevent the discharge of pollutants to the Maximum Extent Practicable.

Landscape Maintenance Activities

Turf and Vegetation Maintenance Programs – The City maintains public open space and right-of-way areas by contract. Use of herbicides for broadleaf weed control in turf is limited to locations receiving the highest levels of maintenance. Herbicides having exceptionally low toxicity to aquatic life are used exclusively. Fertilizer materials applied to turf are specified to be slow-release, minimizing the potential for pollution discharge in stormwater runoff. Certified operators make all applications of herbicides and fertilizers, which provide assurance that proper disposal practices and label instructions are followed.

BMP's reflected in the City's landscape maintenance activities include triple rinsing of herbicide containers and application of the rinsate to the area being treated, spill prevention during storage, use minimization, application by licensed operators, and careful selection of pesticide materials to minimize any potential adverse water quality impact.

Leaf and Brush Pickup Programs – The Public Works Department provides weekly yard waste collection service to all single-family households. Brush collection is also conducted twice yearly in the spring and fall.

Litter Control Activities

The City's litter control and waste disposal programs serve to protect water quality and enhance the visual aesthetics of the community. Outstanding levels of refuse collection and recycling service, and an emphasis on litter control and roadside maintenance contributes to Rolling Meadows reputation as a clean community. Despite substantial effort devoted to public education, litter removal, street sweeping and enforcement of ordinances, dumping of trash along Salt Creek, public right-of-way, and litter from other sources still enters the City's storm sewer system and ultimately is discharged to Salt Creek.

In Year 5 the Public Works Department coordinated litter and debris removal by Cook County "Sheriff Work Alternative Program" (SWAP) participants to reduce the amount of litter and debris discharged to Salt Creek through the City's storm sewer system.

Storm Sewer Maintenance Activities

The City maintains 60 miles of underground storm sewer lines, 5 miles of open drainage ditches, 100 culverts, 3,000 catch basins and inlet structures, 1,500 storm sewer manholes, 43 outfalls, 11 miles of Salt Creek streambank, and numerous detention and retention facilities.

In Year 5 the City improved maintenance of the City's underground storm sewer system. 428 catch basins were Vac-All cleaned, 14 catch basins/manholes were repaired, and 60 catch basin inlets were replaced.

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Sanitary Sewer Maintenance Activities

The City's Underground Utilities Division performs televising, cleaning and jetting, point repairs under 10', manhole cover replacement, and manages contractual work such as infiltration testing and detection of storm sewer connections to the sanitary sewer system.

In 2007 a report on current F.O.G. conditions was prepared and a 2-3 year high pressure water jetting program to prevent sanitary sewer overflows was recommended and implemented by the Division. No incidents of sanitary sewer overflows were reported to the Metropolitan Water Reclamation District in Permit Year 5.

These programs represent Best Management Practices that prevent potential illicit discharge of pollutants to the MEP. The City met its measurable goal of identifying educational materials, developing new procedures or maintaining existing procedures that curtail discharge of pollutants to storm sewer systems in Permit Year 5.

BMP F.2 Inspection of Stormwater Facilities

The goal of this BMP is to complete inspections of outfalls and detention/retention facilities once every three years.

Year 5: The Public Works Department will implement the inspection program for all retention basins and storm sewer outfalls.

The Public Works Department continued the inspection program began in Year 1 and completed in Year 2. In Permit Year 5 the City completed inspection of 173 storm sewer outfalls and detention/retention facilities. The inspection process included photo and written documentation of current conditions. A copy of the "Outfall Inspection Form" is attached to this report. Inspections were also made following large storm events to verify the working condition of storm sewer inlets and detention/retention basins.

The City met the NOI goal of completing an inspection of all retention basins and storm sewer outfalls.

C. Attach results of information collected and analyzed, including monitoring data, if any during the reporting period.

Limited water quality analysis was done as part of the City's outfall, retention pond and stream bank inspection program.

D. Attach a summary of the storm water activities you plan to undertake during the next reporting cycle (including an implementation schedule.)

A summary of the stormwater activities planned by the City of Rolling Meadows during the next reporting cycle is presented below.

BMP A. Public Education and Outreach

BMP A.1 Informational Material and Brochures

The City of Rolling Meadows will make informational material and brochures available at the Public Works Department and City Hall.

BMP A.3 Newsletter Articles

The City of Rolling Meadows will include a stormwater and/or ambient water quality related article in the City newsletter.

BMP A.6 Web Site Links

The Public Works Department will monitor and update website link(s) as new information becomes available.

Information required by this form must be provided to comply with 415 ILCS 5/39 (1996). Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center. 10

BMP B. Public Participation/Involvement

BMP B.2, B.5, B.6 Participation in Local Water Quality and Stream Enhancement Activities

The Public Works Department will assist with an activity or program for at least one of the identified groups and track progress of group.

BMP B.7 Citizens Report Form

The Public Works Department will track citizen reports of illicit discharges to the storm sewer system and maintenance problems associated with outfalls, ponds, and streams by type and location, and address problems in a timely manner.

BMP C. Illicit Discharge Detection and Elimination

BMP C.1 Storm Sewer Mapping

The City will maintain the GIS Storm Sewer Map.

BMP C.2, C.3, C.4, C.5 Procedures for Cataloging Reports of Illicit Discharges

The Public Works Department will investigate and enforce Sections 110-127 of the City Code to eliminate and prevent illicit discharges to the MEP.

BMP C.9 Public Works Ordinance Violations Brochure

The City of Rolling Meadows will enforce Section 110-127 of the Public Works Ordinance Violation Brochure that prohibit unauthorized non-stormwater discharges into the storm sewer system from residential sources.

BMP C.10 Control of Illicit Discharges from Commercial Sources

The Community Development Department will implement the commercial property inspection process, maintain records, and take enforcement action.

BMP D. Construction Site Storm Water Runoff Control

BMP D.1, D.4 Permitting Procedures

The City will implement permit procedures that require the applicant to verify submittal of a "NOI for Construction Site Activities" to the IEPA.

BMP E. Post-Construction Storm Water Management

BMP E.2 City Ordinance Code

The City will implement inspection and enforcement of erosion and sediment control measures required by City Code.

BMP E.3 Long Term Maintenance

The City will monitor and enforce requirements for short-term and long-term maintenance and operation of storm sewers and stormwater drainage improvements on private property.

BMP E.4 Structural and Non-Structural BMP Guidelines

The Public Works Department and City Engineer will review and recommend structural and non-structural BMP's for new development projects.

BMP F. Pollution Prevention/Good Housekeeping

BMP F.1, F.3 Public Works Activities

The Public Works Department will identify educational material, develop new procedures or maintain existing procedures that will reduce or eliminate the discharge of pollutants from Public Works activities to the storm sewer system.

BMP F.2 Inspection of Stormwater Facilities

The Public Works Department will implement the inspection program for all retention basins and storm sewer outfalls.

E. Attach notice that you are relying on another government entity to satisfy some of your permit obligations (if applicable).

Not applicable.

F. Attach a list of construction projects that your entity has paid for during the reporting period.

There were no construction projects funded by the City of Rolling Meadows and covered by General Permit ILR00435 in Year 5.

SIGNATURE:

DATE: May 23, 2008

Why Sustainable Stormwater Management Matters

Rolling Meadows receives an average of 35.8 inches of precipitation annually. That creates millions of gallons of stormwater runoff per year. Before the City of Rolling Meadows was developed, forests and prairies absorbed rainwater. Today, rain falls on streets, parking lots, buildings, driveways and other hard surfaces and runs off carrying pollutants and sediment to Salt Creek and downstream waters. The volume and speed of the runoff can cause flooding, erosion, and destroy natural habitat.

Sustainable stormwater management is a strategy that can help the City of Rolling Meadows comply with pollution prevention and resource protection regulations by managing water at its source. This strategy recognizes the relationship between the natural environment and the built environment, and manages them as integrated components of a watershed.

The strategy promotes on-site collection and conveyance of stormwater from roofs, parking lots, streets and other surfaces to infiltrate into the ground or collect for reuse, often reducing the need for costly underground structures. It uses both structural devices such as infiltration planters, rain barrels and porous pavement, and non-structural devices like rain gardens. This approach mimics natural conditions by allowing rain to soak into the ground or filter through vegetation. Studies show that natural systems can remove up to 80% of the suspended solids and heavy metals, and up to 70% of nutrients like phosphorus and nitrogen from stormwater runoff.

The sustainable approach is cost effective and attractive. It also addresses erosion, water pollution, flooding hazards and other stormwater runoff problems all at once.

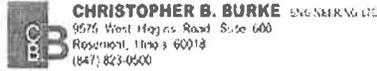
We encourage citizens to help in preserving and improving the health of our rivers and streams, and conserving our natural environment.



City of Rolling Meadows
Public Works Department
3900 Berndick Street
Rolling Meadows, Illinois 60008

847 963-0500
www.citym.org

The City of Rolling Meadows thanks the corporate sponsors who have contributed to this project:



Sustainable Stormwater Management



City of Rolling Meadows
Public Works Department

RAIN GARDEN DEMONSTRATION PROJECT

Rain Garden Demonstration Project

3900 Berndick Street

Square Feet of Impervious Area Managed: 4,356 sq ft Total of Roof and Pavement

A. RAIN BARRELS

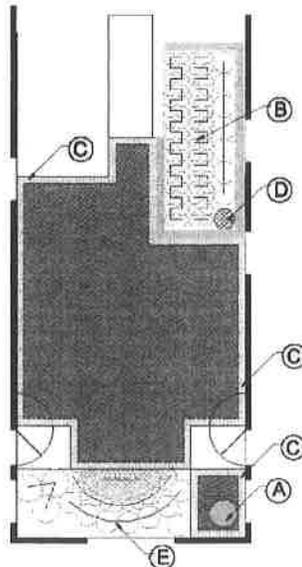
Rain barrels placed at the end of roof downspouts capture and store roof runoff for non-potable water use, like irrigation. Using rain barrels to temporarily store and reuse rainwater slows and reduces stormwater runoff from the site.

B. INFILTRATION PLANTERS

Infiltration planters are structures or containers with open bottoms to allow stormwater to slowly infiltrate into the ground. They contain a layer of gravel, soil, and vegetation. Stormwater runoff temporarily pools on top of the soil, and then slowly infiltrates through the planter into the ground. Infiltration planters reduce stormwater runoff flow rate, volume, temperature and pollutants, and recharge groundwater.

C. POROUS PAVEMENT

Porous pavement replaces impervious surfaces and allows stormwater to soak into the ground. There are many types of porous pavement on the market today, including special asphalt paving, manufactured products of concrete, and gravel, paving stones and brick. By infiltrating precipitation, porous pavements reduce stormwater runoff flow rate, volume, and temperature, and filter pollutants. Porous pavement areas can serve as an overflow for other stormwater management techniques.



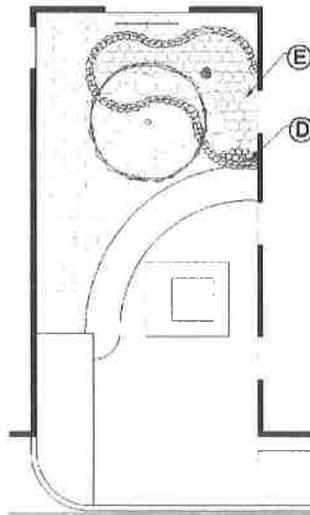
EAST COURTYARD

D. DOWNSPOUT DISCONNECTION

In conventional construction, roof runoff flows through gutters and downspouts to a grass area or underground stormwater drainage pipes. Disconnecting downspouts helps keep roof runoff from overloading the underground stormwater drainage system when it rains. Roof runoff can be redirected to an infiltration planter, rain garden, swale, or to a rain barrel for storage. Downspout disconnection reduces stormwater runoff into the underground stormwater pipes.

E. RAIN GARDENS - VEGETATED INFILTRATION BASINS

Rain gardens or vegetated infiltration basins are landscaped depressions that are either excavated or created with bermed side slopes. An inlet pipe from or sheet flow over impervious surfaces conveys stormwater runoff into the basin, where it is temporarily stored until it infiltrates into the ground. Rain gardens often provide complete onsite infiltration for small storm events. They can be sized to infiltrate large storms in areas where soils drain well, or they may require a safety overflow method.



WEST COURTYARD

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
ANNUAL FACILITY INSPECTION REPORT
NPDES PERMIT FOR STORM WATER DISCHARGES
FROM MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4)**

Complete each section of this report.

REPORT PERIOD:	FROM: MARCH 08	TO: MARCH 09
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MS4 OPERATOR INFORMATION: (As it appears on the current permit)

NAME: City of Rolling Meadows	TELEPHONE NUMBER: 847-963-0500	
MAILING ADDRESS: 3600 Kirchoff Road		
CITY: Rolling Meadows	STATE: IL	ZIP: 60008
CONTACT PERSON: Fred Vogt (Person responsible for Annual Report)		

NAME(S) OF GOVERNMENTAL ENTITY(IES) IN WHICH MS4 IS LOCATED: (As it appears on the current permit)

Cook County	

THE FOLLOWING ITEMS MUST BE ADDRESSED.

A. CHANGES TO BEST MANAGEMENT PRACTICES (check appropriate BMP change(s) and attach information regarding change(s) to BMP and measurable goals.)

1. Public Education and Outreach	<input type="checkbox"/>	4. Construction Site Runoff Control	<input type="checkbox"/>
2. Public Participation/Involvement	<input type="checkbox"/>	5. Post-Construction Runoff Control	<input type="checkbox"/>
3. Illicit Discharge Detection & Elimination	<input checked="" type="checkbox"/>	6. Pollution Prevention/Good Housekeeping	<input type="checkbox"/>

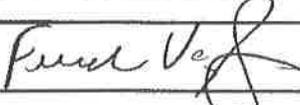
B. Attach the status of compliance with permit conditions, an assessment of the appropriateness of your identified best management practices and progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP, and your identified measurable goals for each of the minimum control measures.

C. Attach results of information collected and analyzed, including monitoring data, if any during the reporting period.

D. Attach a summary of the storm water activities you plan to undertake during the next reporting cycle (including an implementation schedule.)

E. Attach notice that you are relying on another government entity to satisfy some of your permit obligations (if applicable).

F. Attach a list of construction projects that your entity has paid for during the reporting period.

SIGNATURE: 	DATE: May 26, 2009
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Information required by this form must be provided to comply with 415 ILCS 5/39 (1996). Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

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Part A. Changes to Best Management Practices

Note: X indicates BMPs performed that were proposed in your NPDES permit
 ✓ indicates changes to BMPs proposed in your NPDES permit

Year 6	Year 7	Year 8	Year 9	Year 10	
MS4					
A. Public Education and Outreach					
X					A.1 Distributed Paper Material
					A.2 Speaking Engagement
X					A.3 Public Service Announcement
X					A.4 Community Event
					A.5 Classroom Education Material
X					A.6 Other Public Education
B. Public Participation/Involvement					
					B.1 Public Panel
X					B.2 Educational Volunteer
X					B.3 Stakeholder Meeting
					B.4 Public Hearing
X					B.5 Volunteer Monitoring
X					B.6 Program Coordination
X					B.7 Other Public Involvement
C. Illicit Discharge Detection and Elimination					
X					C.1 Storm Sewer Map Preparation
X					C.2 Regulatory Control Program
X					C.3 Detection/Elimination Prioritization Plan
X					C.4 Illicit Discharge Tracing Procedures
X					C.5 Illicit Source Removal Procedures
✓					C.6 Program Evaluation and Assessment
					C.7 Visual Dry Weather Screening
					C.8 Pollutant Field Testing
X					C.9 Public Notification
✓					C.10 Other Illicit Discharge Controls

Year 6	Year 7	Year 8	Year 9	Year 10	
MS4					
D. Construction Site Runoff Control					
X					D.1 Regulatory Control Program
X					D.2 Erosion and Sediment Control BMPs
					D.3 Other Waste Control Program
X					D.4 Site Plan Review Procedures
X					D.5 Public Information Handling Procedures
X					D.6 Site Inspection/Enforcement Procedures
					D.7 Other Construction Site Runoff Controls
E. Post-Construction Runoff Control					
					E.1 Community Control Strategy
X					E.2 Regulatory Control Program
X					E.3 Long Term O&M Procedures
X					E.4 Pre-Const Review of BMP Designs
X					E.5 Site Inspections During Construction
X					E.6 Post-Construction Inspections
					E.7 Other Post-Const Runoff Controls
F. Pollution Prevention/Good Housekeeping					
X					F.1 Employee Training Program
X					F.2 Inspection and Maintenance Program
X					F.3 Municipal Operations Storm Water Control
X					F.4 Municipal Operations Waste Disposal
					F.5 Flood Management/Assess Guidelines
					F.6 Other Municipal Operations Controls

Part B. Status of Compliance with Permit Conditions

(Provide the status of compliance with permit conditions, an assessment of the appropriateness of your identified best management practices and progress towards achieving the statutory goal of reducing the discharge of pollutants to the maximum extent practicable [MEP], and your identified measurable goals for each of the minimum control measures.)

The status of BMPs and measurable goals performed in Year 6 are described below.

BMP No. A.1 – Distributed Paper Material

Brief Description of BMP:

The City of Rolling Meadows will continue to produce and make available brochures on a variety of stormwater related topics. These brochures and informational materials are made available for the public at the City facilities.

BMP No. A.3 – Public Service Announcement

Brief Description of BMP:

The City of Rolling Meadows will continue to include a stormwater and/or ambient water quality related articles in the City's monthly newsletter, "News & Views".

BMP No. A.4 – Community Event

Brief Description of BMP:

The Public Works Department holds a Public Open House approximately every 3-5 years to gather valuable community input and provide information to residents. The Public Works Department will hold another Open House within the next 5 years.

BMP No. A.6 – Other Public Involvement

Brief Description of BMP:

The City of Rolling Meadows will continue to monitor the links on the City website that provide stormwater management information and other waste related information to residents. The City will update or modify the links as needed or as additional information becomes available.

BMP No. B.2, B.5, and B.6 – Educational Volunteer, Volunteer Monitoring, and Program Coordination

Brief Description of BMP:

The City of Rolling Meadows will continue to support local schools and/or civic groups by providing coordination, supplies and/or training for water quality and stream enhancement activities.

BMP No. B.3 – Stakeholder Meeting

Brief Description of BMP:

The City's Public Works Department staff participates in the Salt Creek/Poplar Creek Watershed Planning Council. This is one of seven groups established by the Metropolitan Water Reclamation District to address stormwater management needs in Cook County. The Director of

Public Works serves on the Salt Creek/Poplar Creek Watershed Planning Council Executive Committee. Involvement of local officials in stormwater management programs at the county and regional level aids in creating greater awareness and understanding of pollution control and water quality issues.

BMP No. B.7 – Other Public Involvement

Brief Description of BMP:

The City of Rolling Meadows will continue to provide the Citizens Report Form on the Public Works Department website to allow reporting of illicit discharges to the storm sewer system and maintenance problems associated with ponds, streams or outfalls. The Citizens Report Form allows residents of Rolling Meadows to electronically submit notification of infrastructure problems directly to the Public Works Department.

BMP No. C.1 – Storm Sewer Map Preparation

Brief Description of BMP:

The City has developed an extensive, GIS based storm sewer atlas map and GPS inventory of the storm sewer system.

BMP No. C.2, C.3, C.4, C.5 – Regulatory Control Program, Detection/Elimination Prioritization Plan, Illicit Discharge Tracing Procedures, Illicit Source Removal Procedures

Brief Description of BMP:

The Public Works Department utilizes a work order management system for handling the report of a possible illicit discharge to storm sewer systems. The City of Rolling Meadows Fire Department Hazardous Materials Unit responds to hazardous spills or discharges that may enter the storm sewer system. The Hazardous Materials Unit produces reports of these discharges and they are tracked and assigned an incident number. The Citizens Report Form on the Public Works website and the Community Development Department Health Inspection Forms can also be used to report illicit discharges.

BMP No. C.9 – Public Notification

Brief Description of BMP:

The City of Rolling Meadows Public Works Ordinance Violation Brochure is available at the Public Works Department and City Hall and explains Public Works Ordinance Violations. The brochure includes examples of illicit discharges to the storm sewer system from residential sources prohibited by the City Code.

BMP No. C.10 – Other Illicit Discharge Controls

Brief Description of BMP:

The City of Rolling Meadows Community Development Department Health Inspection Forms specifically addresses non-stormwater discharges into the storm sewer system from commercial sources (e.g. restaurant grease traps).

BMP No. D.1, D.4 – Regulatory Control Program, Site Plan Review Procedures

Brief Description of BMP:

All development projects over 1 acre require a NOI for Construction Activities under NPDES Permit No. ILR10 are identified during the plan review process by the City Engineer. The City's permit procedure requires the applicant to verify submittal of a NOI to the Illinois Environmental Protection Agency Division of Water Pollution Control at least 30 days prior to the commencement of construction.

BMP No. D.2, D.5, D.6 – Erosion and Sediment Control BMPs, Public Information Handling Procedures, Site Inspection/Enforcement Procedures

Brief Description of BMP:

The City's Public Works Department and City Engineer perform construction site inspection of erosion and sediment control measures to monitor conformance with NPDES Phase II Permit requirements. Any incidents of non-compliance or reports from residents are handled by the Public Works Department with the same procedures as reports from the Storm Water Hotline and the Citizens Report Form.

BMP No. E.2, E.4 – Regulatory Control Program, Pre-Construction Review of BMP Designs

Brief Description of BMP:

The City's Code requires that the site design for development projects that disturb greater than one acre must have in place controls that would protect water quality and reduce the discharge of pollutants for the life of the development project. The City Engineer reviews structural and non-structural BMPs for all new development projects BMPs to verify they meet the goals of the City Code and the specific project site. The Public Works Department also continues to develop working files and review technical reports on structural and non-structural BMPs that can be incorporated into site development guidelines.

BMP No. E.3 – Long Term O&M Procedures

Brief Description of BMP:

The City Code contains language and enforcement procedures to require long-term stormwater facility maintenance agreements for new development and redevelopment projects.

BMP No. E.5, E.6 – Site Inspections During Construction, Post-Construction Inspections

Brief Description of BMP:

The City performs bi-weekly site inspections during and after construction at new development and redevelopment projects to verify compliance with the runoff control requirements.

BMP No. F.1, F.3, F.4 – Employee Training Program, Muni Operations Storm Water Control, Municipal Operations Waste Disposal

Brief Description of BMP:

The Public Works Department has procedures that provide guidance and procedures for employees to reduce or eliminate the discharge of pollutants from City owned facilities to the storm sewer system. The City's extensive program to reduce pollutant discharge by City employees is outlined in the QLP section of this report.

BMP No. F.2 - Inspection and Maintenance Program

Brief Description of BMP:

The City of Rolling Meadows Public Works Department has procedures that require routine inspections of ponds, stream channels and storm sewer outfalls once every three years by Public Works staff. Non-routine inspection visits should be required to address comments from residents, the Fire Department Hazardous Materials Unit and the Community Development Department Inspections. The inspection process included photos and written documentation of current conditions. Inspections are also performed following large storm events to verify the working conditions of storm sewer inlets and detention/retention basins.

Part C. Information and Data Collection Results

(Provide information and water quality sampling/monitoring data related to illicit discharge detection and elimination collected during the reporting period.)

Year 6 activities related to illicit discharge detection and elimination consisted primarily of program planning efforts. Therefore, no information or data was collected during this period.

Part D. Summary of Year 7 Stormwater Activities

(Present a summary of the storm water activities you plan to undertake during the next reporting cycle, including an implementation schedule in the sections following the table.)

The table shown below summarizes the BMPs committed to for Year 7. Specific BMPs and measurable goals for Year 7 program development activities are presented in the sections following the table.

Note: X indicates BMPs committed to for Year 7.

Year 7	
MS4	
A. Public Education and Outreach	
X	A.1 Distributed Paper Material
	A.2 Speaking Engagement
X	A.3 Public Service Announcement
X	A.4 Community Event
	A.5 Classroom Education Material
X	A.6 Other Public Education
B. Public Participation/Involvement	
	B.1 Public Panel
X	B.2 Educational Volunteer
X	B.3 Stakeholder Meeting
	B.4 Public Hearing
X	B.5 Volunteer Monitoring
X	B.6 Program Coordination
X	B.7 Other Public Involvement
C. Illicit Discharge Detection and Elimination	
X	C.1 Storm Sewer Map Preparation
X	C.2 Regulatory Control Program
X	C.3 Detection/Elimination Prioritization Plan
X	C.4 Illicit Discharge Tracing Procedures
X	C.5 Illicit Source Removal Procedures
X	C.6 Program Evaluation and Assessment
	C.7 Visual Dry Weather Screening
	C.8 Pollutant Field Testing
X	C.9 Public Notification
X	C.10 Other Illicit Discharge Controls

Year 7	
MS4	
D. Construction Site Runoff Control	
X	D.1 Regulatory Control Program
X	D.2 Erosion and Sediment Control BMPs
	D.3 Other Waste Control Program
X	D.4 Site Plan Review Procedures
X	D.5 Public Information Handling Procedures
X	D.6 Site Inspection/Enforcement Procedures
	D.7 Other Construction Site Runoff Controls
E. Post-Construction Runoff Control	
	E.1 Community Control Strategy
X	E.2 Regulatory Control Program
X	E.3 Long Term O&M Procedures
X	E.4 Pre-Const Review of BMP Designs
X	E.5 Site Inspections During Construction
X	E.6 Post-Construction Inspections
	E.7 Other Post-Const Runoff Controls
F. Pollution Prevention/Good Housekeeping	
X	F.1 Employee Training Program
X	F.2 Inspection and Maintenance Program
X	F.3 Municipal Operations Storm Water Control
X	F.4 Municipal Operations Waste Disposal
	F.5 Flood Management/Assess Guidelines
	F.6 Other Municipal Operations Controls

1. Public Education and Outreach

The City is committing to conduct Public Education and Outreach as part of its permit. Public Education and Outreach requires implementation of a program to distribute educational material to the community or conduct equivalent outreach activities about the impacts of storm water discharges on water bodies and the steps that the public can take to reduce pollutants to stormwater runoff. The City commits to implementation of BMPs related to A.1, A.3, a.4 and A.6 as described below.

BMP No. A.1

Brief Description of BMP:

The City of Rolling Meadows will continue to produce and make available brochures on a variety of stormwater related topics. These brochures and informational materials are made available for the public at the City facilities.

Measurable Goal(s), including frequencies:

The brochures will be developed to target developers, commercial and industrial facility operators and residents. The goal of this program is to increase the awareness of impacts of stormwater discharges on water bodies and the steps that the public can take to reduce pollutants in stormwater runoff.

Milestones: **Years 6-10:** The City of Rolling Meadows will continue to make informational materials and brochures related to stormwater management available at the City facilities.

BMP No. A.3

Brief Description of BMP:

The City of Rolling Meadows will continue to include a stormwater and/or ambient water quality related articles in the City's monthly newsletter, "News & Views".

Measurable Goal(s), including frequencies:

The City newsletter article will be developed to target developers, commercial and industrial facility operators and interested citizens. The goal of this program is to increase the awareness of impacts of stormwater discharges on water bodies and the steps that the public can take to reduce pollutants in stormwater runoff.

Milestones: **Years 6-10:** The City of Rolling Meadows will continue to include a stormwater and/or ambient water quality related article in the City newsletter each year.

BMP No. A.4

Brief Description of BMP:

The Public Works Department holds a Public Open House approximately every 3-5 years to gather valuable community input and provide information to residents. The Public Works Department will hold another Open House within the next 5 years.

Measurable Goal(s), including frequencies:

The goal of this BMP is to encourage community participation thorough education and interaction with City employees.

Milestones: **Years 6-10:** The City of Rolling Meadows will continue to hold the community event.

BMP No. A.6

Brief Description of BMP:

The City of Rolling Meadows will continue to monitor the links on the City website that provide stormwater management information and other waste related information to residents. The City will update or modify the links as needed or as additional information becomes available. The City will also post their NOI on the City website.

Measurable Goal(s), including frequencies:

The website will be developed to target developers, commercial and industrial facility operators and residents. The goal of this program is to increase the awareness of impacts of stormwater discharges on water bodies and the steps that the public can take to reduce pollutants in stormwater runoff.

Milestones: **Years 6-10:** The Public Works Department will monitor website links and update as new information becomes necessary or available.

2. Public Participation/Involvement

The City will perform activities and services related to the Public Participation/Involvement minimum control measure. BMPs will be implemented under BMP numbers B.2, B.3, B.5, B.6 and B.7 as described below.

BMP No. B.2, B.5, and B.6

Brief Description of BMP:

The City of Rolling Meadows will continue to support local schools and/or civic groups by providing coordination, supplies and/or training for water quality and stream enhancement activities.

Measurable Goal(s), including frequencies:

The City of Rolling Meadows will continue to support and encourage local groups to participate in a water quality or stream enhancement programs. This program has the goal of encouraging active public participation in ambient water quality programs and increasing the visibility of water quality and stream enhancement issues.

Milestones: **Years 6-10:** The Public Works Department will continue to support local volunteer group activities.

BMP No. B.3

Brief Description of BMP:

The City's Public Works Department staff participates in the Salt Creek/Poplar Creek Watershed Planning Council. This is one of seven groups established by the Metropolitan Water Reclamation District to address stormwater management needs in Cook County. The Director of Public Works serves on the Salt Creek/Poplar Creek Watershed Planning Council Executive Committee. Involvement of local officials in stormwater management programs at the county and regional level aids in creating greater awareness and understanding of pollution control and water quality issues.

Measurable Goal(s), including frequencies:

The goal of this BMP is to increase awareness of local stormwater and/or water quality issues and the effects residents, as well as local governments, have on pollution control.

Milestones: **Years 6-10:** The City will continue to participate in local stakeholder meetings and represent the residents on pertinent stormwater management issues.

BMP No. B.7

Brief Description of BMP:

The City of Rolling Meadows will continue to provide the Citizens Report Form on the Public Works Department website to allow reporting of illicit discharges to the storm sewer system and maintenance problems associated with ponds, streams or outfalls. The Citizens Report Form allows residents of Rolling Meadows to electronically submit notification of infrastructure problems directly to the Public Works Department.

Measurable Goal(s), including frequencies:

The goal of this program is to provide active citizen participation in detection of illicit discharges to the storm sewer system and problems with drainage features. This program will also aid the Public Works Department in the detection of illicit discharges and inspection of drainage features.

Milestones: **Years 6-10:** The Public Works Department will continue to provide the Citizen Report Form and track reports by location and problem.

3. Illicit Discharge Detection and Elimination

The City commits to performing some activities related to the Illicit Discharge Detection and Elimination minimum control. BMPs will be implemented under BMP numbers C.1, C.2, C.3, C.4, C.5, C.9 and C.10 as described below.

BMP No. C.1

Brief Description of BMP:

The City has developed an extensive, GIS based storm sewer atlas map and GPS inventory of the storm sewer system.

Measurable Goal(s), including frequencies:

The goal of this program is to develop a storm sewer map for the City.

Milestones: **Years 6-10:** The Public Works Department will update storm sewer map as needed to reflect new and re-development.

BMP No. C.2, C.3, C.4, C.5

Brief Description of BMP:

The Public Works Department utilizes a work order management system for handling the report of a possible illicit discharge to storm sewer systems. The City of Rolling Meadows Fire Department Hazardous Materials Unit responds to hazardous spills or discharges that may enter the storm sewer system. The Hazardous Materials Unit produces reports of these discharges and they are tracked and assigned an incident number. The Citizens Report Form on the Public Works website and the Community Development Department Health Inspection Forms can also be used to report illicit discharges.

Measurable Goal(s), including frequencies:

The goal of this program is to develop procedure for tracking, investigating and eliminating illicit discharges to the storm sewer system.

Milestones: **Years 6-10:** The Public Works Department will continue to enforce the procedures for eliminating illicit discharges once they are reported and investigated.

BMP No. C.6

Brief Description of BMP:

The City of Rolling Meadows Public Works Department regularly assess their NPDES program to determine the effectiveness of the BMPs selected to meet the specified goals for overall compliance.

Measurable Goal(s), including frequencies:

The goal of this program is to evaluate the appropriateness of the BMPs selected for the NPDES program in meeting the goals necessary to maintain compliance.

Milestones: **Years 6-10:** The City of Rolling Meadows will continue the yearly evaluation of its NPDES program and BMPs selected for effectiveness in meeting the specific measurable goals.

BMP No. C.9

Brief Description of BMP:

The City of Rolling Meadows Public Works Ordinance Violation Brochure is available at the Public Works Department and City Hall and explains Public Works Ordinance Violations. The brochure includes examples of illicit discharges to the storm sewer system from residential sources prohibited by the City Code.

Measurable Goal(s), including frequencies:

The goal of this program is to notify the public about the consequences of discharging illicit discharges into the storm sewer system.

Milestones: **Years 6-10:** The City of Rolling Meadows will continue to provide the Public Works Ordinance Violation Brochure and enforce the City Code.

BMP No. C.10

Brief Description of BMP:

The City of Rolling Meadows Community Development Department Health Inspection Forms specifically addresses non-stormwater discharges into the storm sewer system from commercial sources (e.g. restaurant grease traps).

Measurable Goal(s), including frequencies:

The goal of this program is identify illicit discharges to the storm sewer system from commercial sources.

Milestones: **Years 6-10:** The Community Development Department will continue to utilize the inspection forms and enforce the Code to eliminate these sources once identified.

BMP No. C.10

Brief Description of BMP:

The City of Rolling Meadows Public Works Department performs regular monitoring activities of the receiving waters that receive discharges from MS4 outfalls.

Measurable Goal(s), including frequencies:

The goal of this program is to monitor the receiving waters for potential illicit discharges from the MS4.

Milestones: **Years 6-10:** The Public Works Department will continue to monitor the receiving waters upstream and downstream of the MS4 discharge points.

4. Construction Site Runoff Control

The City will perform activities and services related to the Construction Site Runoff Control minimum control measure. BMPs will be implemented under BMP numbers D.1, D.2, D.4, D.5 and D.6 as described below.

BMP No. D.1, D.4

Brief Description of BMP:

All development projects over 1 acre require a NOI for Construction Activities under NPDES Permit No. ILR10 are identified during the plan review process by the City Engineer. The City's permit procedure requires the applicant to verify submittal of a NOI to the Illinois Environmental Protection Agency Division of Water Pollution Control at least 30 days prior to the commencement of construction.

Measurable Goal(s), including frequencies:

The goal of this BMP will be to have all sediment and erosion control measure for developments greater or equal to one acre be reviewed by the City and notification provided to the IEPA.

Milestones: **Years 6-10:** The Public Works Department will continue to enforce the review procedures.

BMP No. D.2, D.5, D.6

Brief Description of BMP:

The City's Public Works Department and City Engineer perform construction site inspection of erosion and sediment control measures to monitor conformance with NPDES Phase II Permit requirements. Any incidents of non-compliance or reports from residents are handled by the Public Works Department with the same procedures as reports from the Storm Water Hotline and the Citizens Report Form.

Measurable Goal(s), including frequencies:

The goal of this BMP will be to reduce the discharge of pollutants from construction sites by effectively utilizing sediment and erosion control measures for developments in the City.

Milestones: **Years 6-10:** The Public Works Department will continue to perform the sediment and erosion control measure procedures and inspections.

5. Post-Construction Runoff Control

The City will perform activities and services related to the Post-Construction Site Runoff Control minimum control measure. BMPs will be implemented under BMP number E.2, E.3, E.4, E.5, and E.6 as described below.

BMP No. E.2, E.4

Brief Description of BMP:

The City’s Code requires that the site design for development projects that disturb greater than one acre must have in place controls that would protect water quality and reduce the discharge of pollutants for the life of the development project. The City Engineer reviews structural and non-structural BMPs for all new development projects BMPs to verify they meet the goals of the City Code and the specific project site. The Public Works Department also continues to develop working files and review technical reports on structural and non-structural BMPs that can be incorporated into site development guidelines.

Measurable Goal(s), including frequencies:

The goal of this BMP will be to address stormwater runoff from new development and redevelopment projects that disturb greater than or equal to one acre.

Milestones: **Years 6-10:** The City will continue to enforce the Code and procedures.

BMP No. E.3

Brief Description of BMP:

The City Code contains language and enforcement procedures to require long-term stormwater facility maintenance agreements for new development and redevelopment projects.

Measurable Goal(s), including frequencies:

The goal of this program is to assign responsibility for the maintenance of new storm sewer systems to a responsible party other than the City.

Milestones: **Years 6-10:** The Public Works Department will continue to enforce the development policies and Code.

BMP No. E.5, E.6

Brief Description of BMP:

The City performs bi-weekly site inspections during and after construction at new development and redevelopment projects to verify compliance with the runoff control requirements.

Measurable Goal(s), including frequencies:

The goal of this BMP is to reduce the amount of pollutants leaving development sites by inspecting the BMPs to verify compliance and performance.

Milestones: **Years 6-10:** The Public Works Department will continue to perform the inspections and enforce the development guidelines.

6. Pollution Prevention/Good Housekeeping

This minimum control measure involves the development and implementation of an operation and maintenance program to reduce the discharge of pollutants from municipal operations. This program must include a training program for municipal employees. The City will perform BMPs under BMP numbers F.1, F.2, F.3 and F.4 as described below.

BMP No. F.1, F.3, F.4

Brief Description of BMP:

The Public Works Department has procedures that provide guidance and procedures for employees to reduce or eliminate the discharge of pollutants from City owned facilities to the storm sewer system. The City's extensive program to reduce pollutant discharge by City employees is outlined in the QLP section of this report.

Measurable Goal(s), including frequencies:

The goal of this BMP will be to educate Public Works employees of current practices that contribute to stormwater pollution and/or to develop new procedures and make revisions to existing procedures that will curtail the discharge of pollutants to storm sewer systems by Public Works employees.

Milestones: **Years 6-10:** The Public Works Department will approve continue the current programs.

BMP No. F.2

Brief Description of BMP:

The City of Rolling Meadows Public Works Department has procedures that require routine inspections of ponds, stream channels and storm sewer outfalls once every three years by Public Works staff. Non-routine inspection visits should be required to address comments from residents, the Fire Department Hazardous Materials Unit and the Community Development Department Inspections. The inspection process included photos and written documentation of current conditions. Inspections are also performed following large storm events to verify the working conditions of storm sewer inlets and detention/retention basins.

Measurable Goal(s), including frequencies:

The goal of this BMP will be to require inspections of ponds, streams and outfalls.

Milestones: **Years 6-10:** The Public Works Department will continue the inspection program.

Part E. Notice of Qualifying Local Program

The City of Rolling Meadows established an efficient and effective stormwater management program that is well beyond the minimum requirements of the federally mandated NPDES Phase II program during the original 5-year permit period. The City will continue to monitor the existing program and modify it as necessary to continue to maintain compliance with the NPDES requirements.

1. Public Education and Outreach:

The City of Rolling Meadows has a comprehensive program developed during the original 5 year NOI permit period that provides Public Education and Outreach resources to its residents through printed materials and the City website. Provided below are details outlining the program and the BMPs that are addressed by current City activities and programs.

The program currently produces and distributes brochures and/or informational materials on a variety of stormwater related topics at the Public Works Department. The City's Public Education and Outreach program also publishes a stormwater and/or ambient water quality article in the monthly newsletter and provides links on the City's website to stormwater management resources available from other local and federal agencies.

The Public Works Department holds a Public Open House approximately every 3-5 years to gather valuable community input and provide information to residents. The Public Works Department will hold another Open House within the next 5 years.

This program relates to BMP numbers A.1, A.3, A.4 and A.6.

2. Public Participation/Involvement:

The City of Rolling Meadows has a comprehensive program to address the Public Participation/Involvement requirement of the NPDES Phase II permit. Provided below are details outlining the program and the BMPs that are addressed by current City activities and programs.

The City participates in local water quality programs by assisting groups such as the "Friends of the Creek", City of Rolling Meadows Urban Affairs Committee, and Rolling Meadows High School students with cleanup activities on Salt Creek that focus on removing litter and invasive buckthorn.

The City's Public Works Department staff also participates in the Salt Creek/Poplar Creek Watershed Planning Council. This is one of seven groups established by the Metropolitan Water Reclamation District to address stormwater management needs in Cook County. The Director of Public Works serves on the Salt Creek/Poplar Creek Watershed Planning Council Executive Committee. Involvement of local officials in stormwater management programs at the county and regional level aids in creating greater awareness and understanding of pollution control and water quality issues.

The City has also established several rain garden demonstration areas at the Public Works facility to educate the public about in the importance of caring for the environment and encourage our residents preserve and conserve our natural resources by reducing stormwater runoff and improving water quality in their own back yards. The Public Works Department also developed two interpretive

brochures to increase public awareness and understanding of stormwater pollution prevention through Best Management Practices.

The City encourages public participation and action on illicit discharges to surface waters through a "Citizens Report Form" available on the City's website. The report form provides a way to electronically submit notification of illegal activities or infrastructure problems directly to the Public Works Department. Residents are also encouraged to contact the Public Works Department by phone to report potential discharges of pollutants to the storm sewer system and make routine service requests during business hours and to contact the Police Department non-emergency phone number, aka the "storm water hotline" on evenings and weekends. These phone numbers are listed under the "Stormwater Management" link on the City's website. Examples of reports of illicit discharges received by phone have involved illegal dumping of trash, brush, or other yard waste.

The City also maintains a link to the "Illinois EPA Citizen Pollution Complaint Form" and to the Metropolitan Water Reclamation District of Greater Chicago "To Report an Emergency or Pollution Incident" on the Public Works Department Stormwater Management page to further encourage citizen participation in detection of illicit discharges to the storm sewer system.

The City of Rolling Meadows Park District has historically participated in the National Tree Trust. In previous years, a local scout group planted and cared for 100 seedlings to be planted in Campbell St. Park. The typical practice is to plant trees in containers and then re-planted them desired location once they have reached an appropriate size. The City of Rolling Meadows Park District will continue to participate in this or similar events.

The Public Works Department holds a Public Open House approximately every 3-5 years to gather valuable community input and provide information to residents. The Public Works Department will hold another Open House within the next 5 years.

These programs relate to BMP numbers B.2, B.3, B.5, B.6 and B.7.

3. Illicit Discharge Detection and Elimination:

The City of Rolling Meadows developed a comprehensive program during the original 5 year NOI permit period that addresses the Illicit Discharge Detection and Elimination requirements of the NPDES Phase II program. Provided below are details outlining the program and the BMPs that are addressed by current City activities and programs.

The City has developed an extensive, GIS based storm sewer atlas map and GPS inventory of the storm sewer system. The City has also purchased hardware and software to use and maintain the storm sewer GIS, including: 2 Panasonic CF29 Tough Book computers, work station and server, large format printers, 2 Trimble Geo XT handheld data collection units, and ESRI – ARCGIS 9.2, ARC Server and ARC Pad 7.1 software. The City's atlas is well beyond the minimum requirements of the NPDES Phase II program and is continually updated to reflect new development.

The Public Works Department utilizes a work order management system to document response to reports of illicit discharges (program activity codes #3715 and #5115).

The City of Rolling Meadows Fire Department investigates and responds to all reports of possible illicit discharges to storm sewer systems and HAZMAT spills, with support from the Illinois

Emergency Management Association upon request. The City documents, reports and assigns an incident number to all HAZMAT incidents.

The Public Works Department "Ordinance Violations Brochure" includes examples of illicit discharges to the storm sewer system from residential sources prohibited by Section 110-127 of the City Code.

The Community Development Department performs commercial property inspections designed to identify potential illicit discharges of pollutants from commercial sources and take enforcement action.

The City of Rolling Meadows and the Solid Waste Agency of Northern Cook County provides a comprehensive program to facilitate the proper handling and disposal of oil and household hazardous waste. SWANCC regularly coordinates "Household Hazardous Waste Collection" events that provide residents with the opportunity to bring paints, cleaning solvents, automotive products, old fuel, etc. to a collection location for pickup by a licensed hazardous waste hauler.

As part of the City's refuse collection program residents may bring used oil to a drop off location, where it is transferred to a spill containment storage tank for reclamation by the City's waste oil recycling contractor.

The City of Rolling Meadows Code of Ordinances Sections 110-127 and 110-65 prohibit the discharge of trash, sanitary water or industrial wastewater to the storm sewer system. Fines of not less than \$50.00 nor more than \$1,000.00 have been established for each violation. The Public Works Department has also published Section 110-127 in their Ordinance Violations Brochure that is available at the City Hall and the Public Works Department.

These programs relate to BMP numbers C.1, C.2, C.3, C.4, C.5, C.9 and C.10.

4. Construction Site Runoff Control:

The City of Rolling Meadows developed a comprehensive program during the original 5 year NOI permit period that addresses the Construction Site Runoff Control requirements of the NPDES Phase II program. Provided below are details outlining the program and the BMPs that are addressed by current City activities and programs.

The City of Rolling Meadows Code of Ordinances Section 38-171 requires a development permit for the following activities:

1. Excavation, fill, or any combination that exceeds 100 cubic yards,
2. Fill that exceeds three feet in vertical depth,
3. Excavation that exceeds four feet in vertical depth,
4. Excavation, fill, or any combination that exceeds 5,000 square feet, or
5. Plant cover is to be removed from an area exceeding 5,000 square feet on any vacant parcel or any parcel of land in excess of 10 acres.

All development projects that require a NOI for Construction Activities under NPDES Permit No. ILR10 are identified during the plan review process by the City Engineer. The City's permit procedure requires the applicant to verify submittal of a NOI to the Illinois Environmental Protection Agency Division of Water Pollution Control at least 30 days prior to the commencement of

construction.

The City's Public Works Department and City Engineer perform construction site inspection of erosion and sediment control measures to monitor conformance with NPDES Phase II Permit requirements. Any incidents of non-compliance or reports from residents are handled by the Public Works Department with the same procedures as reports from the Storm Water Hotline and the Citizens Report Form. These programs relate to BMP numbers D.1, D.2, D.4, D.5 and D.6.

5. Post-Construction Runoff Control:

The City of Rolling Meadows developed a comprehensive program during the original 5 year NOI permit period that addresses the Post-Construction Runoff Control requirements of the NPDES Phase II program. Provided below are details outlining the program and the BMPs that are addressed by current City activities and programs.

The City of Rolling Meadows Code of Ordinances Section 122-266 requires preservation and maintenance of open space for planned developments. This section requires that the open space shall be preserved by private reservation or dedication to the public. The City of Rolling Meadows will continue to enforce this non-structural BMP in its Code of Ordinances.

The City performs bi-weekly site inspections at new development and redevelopment projects to verify compliance with the runoff control requirements.

The City's existing requirements of the Municipal Code govern responsibility for long-term operation and maintenance of new storm sewer systems. The goal of this program is to assign responsibility for the maintenance of new storm sewer systems to a responsible party other than the City.

The Public Works Department continues to develop working files and review technical reports on structural and non-structural BMPs that can be incorporated into site development guidelines. The City Engineer reviewed and recommended structural and non-structural BMPs for all new development projects.

These programs relate to BMP numbers E.2, E.3, E.4, E.5 and E.6.

6. Pollution Prevention/Good Housekeeping:

The City of Rolling Meadows developed a comprehensive program during the original 5 year NOI permit period that addresses the Pollution Prevention/Good Housekeeping requirements of the NPDES Phase II program. The goal of this BMP is to identify current practices that contribute to stormwater pollution and implement programs and procedures for Public Works activities that curtail the discharge of pollutants to storm sewer systems. Provided below are details outlining the program and the BMPs that are addressed by current City activities and programs.

IEPA approved \$351,000 in grant funds for Salt Creek stream bank stabilization projects, which include a large portion of the shoreline on Kennedy Pond. The grant application approved also addresses Salt Creek shore erosion problems in two locations near Central Road and another west of Fox Lane. The project will reduce shore and stream bank erosion and improve water quality in the portion of Salt Creek that flows through Rolling Meadows. A contract has been approved with the

City Engineer for the final design and project specifications. Work on the project is expected to begin late spring or early summer 2008 and be completed by the end of the year.

In 2007 the City completed installation of an aeration system at Barker Lake to improve water quality and algae control.

Activities in the City's vehicle maintenance shop are a potentially significant source of pollutants. Procedures that address spill prevention, material management, and good housekeeping practices that limit pollution discharges from vehicle O & M activities in the vehicle services shop are part of our ongoing staff training and education program. Waste oil and anti-freeze storage tanks, and lead acid batteries awaiting pickup for recycling are located inside the vehicle shop and not exposed to storm water. Oil, hydraulic fluids, anti-freeze and cleaners are stored inside the building, well away from outside doors. Used oil dropped off by residents as part of the City's recycling program is stored outside in a spill containment tank. All used oil and anti-freeze is periodically picked up for off-site reclamation by a waste oil service. There are no "significant materials" which are exposed to storm water.

The City's street sweeping program has a direct beneficial impact on water quality. The City of Rolling Meadows maintains 121 miles of curb line. All streets are swept every 21-28 days April through November. In October and November street sweeping is performed more frequently (by contract) in key areas. The City's street sweeping program prevents substantial discharges of particulates/solids, phosphorus and petroleum based products to Salt Creek.

The City maintains public open space and right-of-way areas by contract. Use of herbicides for broadleaf weed control in turf is limited to locations receiving the highest levels of maintenance. Herbicides having exceptionally low toxicity to aquatic life are used exclusively. Fertilizer materials applied to turf are specified to be slow-release, minimizing the potential for pollution discharge in stormwater runoff. Certified operators make all applications of herbicides and fertilizers, which provide assurance that proper disposal practices and label instructions are followed. BMPs reflected in the City's landscape maintenance activities include triple rinsing of herbicide containers and application of the rinsate to the area being treated, spill prevention during storage, use minimization, application by licensed operators, and careful selection of pesticide materials to minimize any potential adverse water quality impact.

The Public Works Department provides weekly yard waste collection service to all single-family households. Brush collection is also conducted twice yearly in the spring and fall.

The City's litter control and waste disposal programs serve to protect water quality and enhance the visual aesthetics of the community. Outstanding levels of refuse collection and recycling service, and an emphasis on litter control and roadside maintenance contributes to Rolling Meadows reputation as a clean community. Despite substantial effort devoted to public education, litter removal, street sweeping and enforcement of ordinances, dumping of trash along Salt Creek, public right-of-way, and litter from other sources still enters the City's storm sewer system and ultimately is discharged to Salt Creek. The Public Works Department coordinates litter and debris removal with Cook County "Sheriff Work Alternative Program" (SWAP) participants to reduce the amount of litter and debris discharged to Salt Creek through the City's storm sewer system.

The City maintains 60 miles of underground storm sewer lines, 5 miles of open drainage ditches, 100 culverts, 3,000 catch basins and inlet structures, 1,500 storm sewer manholes, 43 outfalls, 11

miles of Salt Creek stream bank, and numerous detention and retention facilities. The City improves maintenance of the City's underground storm sewer system by cleaning catch basins, repairing catch basins/manholes and/or replacing catch basin inlets. The City's Underground Utilities Division also performs televising, cleaning and jetting, point repairs under 10', manhole cover replacement, and manages contractual work such as infiltration testing and detection of storm sewer connections to the sanitary sewer system.

In 2007 a report on current F.O.G. conditions was prepared and a 2-3 year high pressure water jetting program to prevent sanitary sewer overflows was recommended and implemented by the Division.

The Public Works Department also has an inspection program that was initiated during the original permit period. The goal of this BMP is to complete inspections of outfalls and detention/retention facilities once every three years. In Permit Year 5 the City completed inspection of all outfalls and detention/retention facilities. The inspection process included photo and written documentation of current conditions. Inspections were also made following large storm events to verify the working condition of storm sewer inlets and detention/retention basins.

The City of Rolling Meadows Public Works Department Employee Manual specifically addresses waste removal and environmentally conscious winter salt storage techniques by Public Works employees. In past years, the City has received the Excellence in Salt Storage Award from the National Salt Institute, which recognizes agencies with outstanding storage facilities and programs. Liquid calcium chloride is stored in fiberglass tanks. Consequently none of the deicing materials are exposed to storm water during storage and there is no threat of release to the storm sewer system. BMPs employed by the City prevent the discharge of pollutants to the Maximum Extent Practicable. These programs relate to BMP number F.1, F.2, F.3, F.4 and F.6.

Part F. Construction Projects Conducted During Year 6

(Provide a list of construction projects your entity has paid for during the reporting period.)

There were no projects greater than 1 acre funded by the City during Year 6.

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
ANNUAL FACILITY INSPECTION REPORT
NPDES PERMIT FOR STORM WATER DISCHARGES
FROM MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4)**

Complete each section of this report.

REPORT PERIOD:	FROM: MARCH 2009	TO: MARCH 2010
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MS4 OPERATOR INFORMATION: (As it appears on the current permit)

NAME: City of Rolling Meadows	TELEPHONE NUMBER: 847-963-0500	
MAILING ADDRESS: 3600 Kirchoff Road		
CITY: Rolling Meadows	STATE: IL	ZIP: 60008
CONTACT PERSON: Fred Vogt (Person responsible for Annual Report)		

NAME(S) OF GOVERNMENTAL ENTITY(IES) IN WHICH MS4 IS LOCATED: (As it appears on the current permit)

Cook County	

THE FOLLOWING ITEMS MUST BE ADDRESSED.

A. CHANGES TO BEST MANAGEMENT PRACTICES (check appropriate BMP change(s) and attach information regarding change(s) to BMP and measurable goals.)

1. Public Education and Outreach	<input type="checkbox"/>	4. Construction Site Runoff Control	<input type="checkbox"/>
2. Public Participation/Involvement	<input type="checkbox"/>	5. Post-Construction Runoff Control	<input type="checkbox"/>
3. Illicit Discharge Detection & Elimination	<input checked="" type="checkbox"/>	6. Pollution Prevention/Good Housekeeping	<input type="checkbox"/>

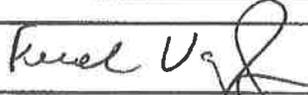
B.
Attach the status of compliance with permit conditions, an assessment of the appropriateness of your identified best management practices and progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP, and your identified measurable goals for each of the minimum control measures.

C.
Attach results of information collected and analyzed, including monitoring data, if any during the reporting period.

D.
Attach a summary of the storm water activities you plan to undertake during the next reporting cycle (including an implementation schedule.)

E.
Attach notice that you are relying on another government entity to satisfy some of your permit obligations (if applicable).

F.
Attach a list of construction projects that your entity has paid for during the reporting period.

SIGNATURE: 	DATE: May 26, 2010
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Information required by this form must be provided to comply with 415 ILCS 5/39 (1996). Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

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Part A. Changes to Best Management Practices

Note: X indicates BMPs performed that were proposed in your NPDES permit
 ✓ indicates changes to BMPs proposed in your NPDES permit

Year 6	Year 7	Year 8	Year 9	Year 10	
MS4					
A. Public Education and Outreach					
X	X				A.1 Distributed Paper Material
					A.2 Speaking Engagement
X	X				A.3 Public Service Announcement
X	X				A.4 Community Event
					A.5 Classroom Education Material
X	X				A.6 Other Public Education
B. Public Participation/Involvement					
					B.1 Public Panel
X	X				B.2 Educational Volunteer
X	X				B.3 Stakeholder Meeting
					B.4 Public Hearing
X	X				B.5 Volunteer Monitoring
X	X				B.6 Program Coordination
X	X				B.7 Other Public Involvement
C. Illicit Discharge Detection and Elimination					
X	X				C.1 Storm Sewer Map Preparation
X	X				C.2 Regulatory Control Program
X	X				C.3 Detection/Elimination Prioritization Plan
X	X				C.4 Illicit Discharge Tracing Procedures
X	X				C.5 Illicit Source Removal Procedures
✓	✓				C.6 Program Evaluation and Assessment
					C.7 Visual Dry Weather Screening
					C.8 Pollutant Field Testing
X	X				C.9 Public Notification
✓	✓				C.10 Other Illicit Discharge Controls

Year 6	Year 7	Year 8	Year 9	Year 10	
MS4					
D. Construction Site Runoff Control					
X	X				D.1 Regulatory Control Program
X	X				D.2 Erosion and Sediment Control BMPs
					D.3 Other Waste Control Program
X	X				D.4 Site Plan Review Procedures
X	X				D.5 Public Information Handling Procedures
X	X				D.6 Site Inspection/Enforcement Procedures
					D.7 Other Construction Site Runoff Controls
E. Post-Construction Runoff Control					
					E.1 Community Control Strategy
X	X				E.2 Regulatory Control Program
X	X				E.3 Long Term O&M Procedures
X	X				E.4 Pre-Const Review of BMP Designs
X	X				E.5 Site Inspections During Construction
X	X				E.6 Post-Construction Inspections
					E.7 Other Post-Const Runoff Controls
F. Pollution Prevention/Good Housekeeping					
X	X				F.1 Employee Training Program
X	X				F.2 Inspection and Maintenance Program
X	X				F.3 Municipal Operations Storm Water Control
X	X				F.4 Municipal Operations Waste Disposal
					F.5 Flood Management/Assess Guidelines
					F.6 Other Municipal Operations Controls

Part B. Status of Compliance with Permit Conditions

(Provide the status of compliance with permit conditions, an assessment of the appropriateness of your identified best management practices and progress towards achieving the statutory goal of reducing the discharge of pollutants to the maximum extent practicable [MEP], and your identified measurable goals for each of the minimum control measures.)

The status of BMPs and measurable goals performed in Year 7 are described below.

BMP No. A.1 – Distributed Paper Material

Brief Description of BMP:

The City of Rolling Meadows will continue to produce and make available brochures on a variety of stormwater related topics. These brochures and informational materials are made available for the public at the City facilities.

BMP No. A.3 – Public Service Announcement

Brief Description of BMP:

The City of Rolling Meadows will continue to include a stormwater and/or ambient water quality related articles in the City's monthly newsletter, "News & Views".

BMP No. A.4 – Community Event

Brief Description of BMP:

The Public Works Department holds a Public Open House approximately every 3-5 years to gather valuable community input and provide information to residents. The Public Works Department will hold another Open House within the next 5 years.

BMP No. A.6 – Other Public Involvement

Brief Description of BMP:

The City of Rolling Meadows will continue to monitor the links on the City website that provide stormwater management information and other waste related information to residents. The City will update or modify the links as needed or as additional information becomes available.

BMP No. B.2, B.5, and B.6 – Educational Volunteer, Volunteer Monitoring, and Program Coordination

Brief Description of BMP:

The City of Rolling Meadows will continue to support local schools and/or civic groups by providing coordination, supplies and/or training for water quality and stream enhancement activities.

BMP No. B.3 – Stakeholder Meeting

Brief Description of BMP:

The City's Public Works Department staff participates in the Salt Creek/Poplar Creek Watershed Planning Council. This is one of seven groups established by the Metropolitan Water Reclamation District to address stormwater management needs in Cook County. The Director of

Public Works serves on the Salt Creek/Poplar Creek Watershed Planning Council Executive Committee. Involvement of local officials in stormwater management programs at the county and regional level aids in creating greater awareness and understanding of pollution control and water quality issues.

BMP No. B.7 – Other Public Involvement

Brief Description of BMP:

The City of Rolling Meadows will continue to provide the Citizens Report Form on the Public Works Department website to allow reporting of illicit discharges to the storm sewer system and maintenance problems associated with ponds, streams or outfalls. The Citizens Report Form allows residents of Rolling Meadows to electronically submit notification of infrastructure problems directly to the Public Works Department.

BMP No. C.1 – Storm Sewer Map Preparation

Brief Description of BMP:

The City has developed an extensive, GIS based storm sewer atlas map and GPS inventory of the storm sewer system.

BMP No. C.2, C.3, C.4, C.5 – Regulatory Control Program, Detection/Elimination Prioritization Plan, Illicit Discharge Tracing Procedures, Illicit Source Removal Procedures

Brief Description of BMP:

The Public Works Department utilizes a work order management system for handling the report of a possible illicit discharge to storm sewer systems. The City of Rolling Meadows Fire Department Hazardous Materials Unit responds to hazardous spills or discharges that may enter the storm sewer system. The Hazardous Materials Unit produces reports of these discharges and they are tracked and assigned an incident number. The Citizens Report Form on the Public Works website and the Community Development Department Health Inspection Forms can also be used to report illicit discharges.

BMP No. C.9 – Public Notification

Brief Description of BMP:

The City of Rolling Meadows Public Works Ordinance Violation Brochure is available at the Public Works Department and City Hall and explains Public Works Ordinance Violations. The brochure includes examples of illicit discharges to the storm sewer system from residential sources prohibited by the City Code.

BMP No. C.10 – Other Illicit Discharge Controls

Brief Description of BMP:

The City of Rolling Meadows Community Development Department Health Inspection Forms specifically addresses non-stormwater discharges into the storm sewer system from commercial sources (e.g. restaurant grease traps).

BMP No. D.1, D.4 – Regulatory Control Program, Site Plan Review Procedures

Brief Description of BMP:

All development projects over 1 acre require a NOI for Construction Activities under NPDES Permit No. ILR10 are identified during the plan review process by the City Engineer. The City's permit procedure requires the applicant to verify submittal of a NOI to the Illinois Environmental Protection Agency Division of Water Pollution Control at least 30 days prior to the commencement of construction.

BMP No. D.2, D.5, D.6 – Erosion and Sediment Control BMPs, Public Information Handling Procedures, Site Inspection/Enforcement Procedures

Brief Description of BMP:

The City's Public Works Department and City Engineer perform construction site inspection of erosion and sediment control measures to monitor conformance with NPDES Phase II Permit requirements. Any incidents of non-compliance or reports from residents are handled by the Public Works Department with the same procedures as reports from the Storm Water Hotline and the Citizens Report Form.

BMP No. E.2, E.4 – Regulatory Control Program, Pre-Construction Review of BMP Designs

Brief Description of BMP:

The City's Code requires that the site design for development projects that disturb greater than one acre must have in place controls that would protect water quality and reduce the discharge of pollutants for the life of the development project. The City Engineer reviews structural and non-structural BMPs for all new development projects BMPs to verify they meet the goals of the City Code and the specific project site. The Public Works Department also continues to develop working files and review technical reports on structural and non-structural BMPs that can be incorporated into site development guidelines.

BMP No. E.3 – Long Term O&M Procedures

Brief Description of BMP:

The City Code contains language and enforcement procedures to require long-term stormwater facility maintenance agreements for new development and redevelopment projects.

BMP No. E.5, E.6 – Site Inspections During Construction, Post-Construction Inspections

Brief Description of BMP:

The City performs bi-weekly site inspections during and after construction at new development and redevelopment projects to verify compliance with the runoff control requirements.

BMP No. F.1, F.3, F.4 – Employee Training Program, Muni Operations Storm Water Control, Municipal Operations Waste Disposal

Brief Description of BMP:

The Public Works Department has procedures that provide guidance and procedures for employees to reduce or eliminate the discharge of pollutants from City owned facilities to the storm sewer system. The City's extensive program to reduce pollutant discharge by City employees is outlined in the QLP section of this report.

BMP No. F.2 - Inspection and Maintenance Program

Brief Description of BMP:

The City of Rolling Meadows Public Works Department has procedures that require routine inspections of ponds, stream channels and storm sewer outfalls once every three years by Public Works staff. Non-routine inspection visits should be required to address comments from residents, the Fire Department Hazardous Materials Unit and the Community Development Department Inspections. The inspection process included photos and written documentation of current conditions. Inspections are also performed following large storm events to verify the working conditions of storm sewer inlets and detention/retention basins.

Part C. Information and Data Collection Results

(Provide information and water quality sampling/monitoring data related to illicit discharge detection and elimination collected during the reporting period.)

Year 7 activities related to illicit discharge detection and elimination consisted primarily of program planning efforts. Therefore, no information or data was collected during this period.

Part D. Summary of Year 8 Stormwater Activities

(Present a summary of the storm water activities you plan to undertake during the next reporting cycle, including an implementation schedule in the sections following the table.)

The table shown below summarizes the BMPs committed to for Year 8. Specific BMPs and measurable goals for Year 8 program development activities are presented in the sections following the table.

Note: X indicates BMPs committed to for Year 8.

Year 8	
MS4	
A. Public Education and Outreach	
X	A.1 Distributed Paper Material
	A.2 Speaking Engagement
X	A.3 Public Service Announcement
X	A.4 Community Event
	A.5 Classroom Education Material
X	A.6 Other Public Education
B. Public Participation/Involvement	
	B.1 Public Panel
X	B.2 Educational Volunteer
X	B.3 Stakeholder Meeting
	B.4 Public Hearing
X	B.5 Volunteer Monitoring
X	B.6 Program Coordination
X	B.7 Other Public Involvement
C. Illicit Discharge Detection and Elimination	
X	C.1 Storm Sewer Map Preparation
X	C.2 Regulatory Control Program
X	C.3 Detection/Elimination Prioritization Plan
X	C.4 Illicit Discharge Tracing Procedures
X	C.5 Illicit Source Removal Procedures
X	C.6 Program Evaluation and Assessment
	C.7 Visual Dry Weather Screening
	C.8 Pollutant Field Testing
X	C.9 Public Notification
X	C.10 Other Illicit Discharge Controls

Year 8	
MS4	
D. Construction Site Runoff Control	
X	D.1 Regulatory Control Program
X	D.2 Erosion and Sediment Control BMPs
	D.3 Other Waste Control Program
X	D.4 Site Plan Review Procedures
X	D.5 Public Information Handling Procedures
X	D.6 Site Inspection/Enforcement Procedures
	D.7 Other Construction Site Runoff Controls
E. Post-Construction Runoff Control	
	E.1 Community Control Strategy
X	E.2 Regulatory Control Program
X	E.3 Long Term O&M Procedures
X	E.4 Pre-Const Review of BMP Designs
X	E.5 Site Inspections During Construction
X	E.6 Post-Construction Inspections
	E.7 Other Post-Const Runoff Controls
F. Pollution Prevention/Good Housekeeping	
X	F.1 Employee Training Program
X	F.2 Inspection and Maintenance Program
X	F.3 Municipal Operations Storm Water Control
X	F.4 Municipal Operations Waste Disposal
	F.5 Flood Management/Assess Guidelines
	F.6 Other Municipal Operations Controls

1. Public Education and Outreach

The City is committing to conduct Public Education and Outreach as part of its permit. Public Education and Outreach requires implementation of a program to distribute educational material to the community or conduct equivalent outreach activities about the impacts of storm water discharges on water bodies and the steps that the public can take to reduce pollutants to stormwater runoff. The City commits to implementation of BMPs related to A.1, A.3, a.4 and A.6 as described below.

BMP No. A.1

Brief Description of BMP:

The City of Rolling Meadows will continue to produce and make available brochures on a variety of stormwater related topics. These brochures and informational materials are made available for the public at the City facilities.

Measurable Goal(s), including frequencies:

The brochures will be developed to target developers, commercial and industrial facility operators and residents. The goal of this program is to increase the awareness of impacts of stormwater discharges on water bodies and the steps that the public can take to reduce pollutants in stormwater runoff.

Milestones: **Years 6-10:** The City of Rolling Meadows will continue to make informational materials and brochures related to stormwater management available at the City facilities.

BMP No. A.3

Brief Description of BMP:

The City of Rolling Meadows will continue to include a stormwater and/or ambient water quality related articles in the City's monthly newsletter, "News & Views".

Measurable Goal(s), including frequencies:

The City newsletter article will be developed to target developers, commercial and industrial facility operators and interested citizens. The goal of this program is to increase the awareness of impacts of stormwater discharges on water bodies and the steps that the public can take to reduce pollutants in stormwater runoff.

Milestones: **Years 6-10:** The City of Rolling Meadows will continue to include a stormwater and/or ambient water quality related article in the City newsletter each year.

BMP No. A.4

Brief Description of BMP:

The Public Works Department holds a Public Open House approximately every 3-5 years to gather valuable community input and provide information to residents. The Public Works Department will hold another Open House within the next 5 years.

Measurable Goal(s), including frequencies:

The goal of this BMP is to encourage community participation thorough education and interaction with City employees.

Milestones: **Years 6-10:** The City of Rolling Meadows will continue to hold the community event.

BMP No. A.6

Brief Description of BMP:

The City of Rolling Meadows will continue to monitor the links on the City website that provide stormwater management information and other waste related information to residents. The City will update or modify the links as needed or as additional information becomes available. The City will also post their NOI on the City website.

Measurable Goal(s), including frequencies:

The website will be developed to target developers, commercial and industrial facility operators and residents. The goal of this program is to increase the awareness of impacts of stormwater discharges on water bodies and the steps that the public can take to reduce pollutants in stormwater runoff.

Milestones: **Years 6-10:** The Public Works Department will monitor website links and update as new information becomes necessary or available.

2. Public Participation/Involvement

The City will perform activities and services related to the Public Participation/Involvement minimum control measure. BMPs will be implemented under BMP numbers B.2, B.3, B.5, B.6 and B.7 as described below.

BMP No. B.2, B.5, and B.6

Brief Description of BMP:

The City of Rolling Meadows will continue to support local schools and/or civic groups by providing coordination, supplies and/or training for water quality and stream enhancement activities.

Measurable Goal(s), including frequencies:

The City of Rolling Meadows will continue to support and encourage local groups to participate in a water quality or stream enhancement programs. This program has the goal of encouraging active public participation in ambient water quality programs and increasing the visibility of water quality and stream enhancement issues.

Milestones: **Years 6-10:** The Public Works Department will continue to support local volunteer group activities.

BMP No. B.3

Brief Description of BMP:

The City's Public Works Department staff participates in the Salt Creek/Poplar Creek Watershed Planning Council. This is one of seven groups established by the Metropolitan Water Reclamation District to address stormwater management needs in Cook County. The Director of Public Works serves on the Salt Creek/Poplar Creek Watershed Planning Council Executive Committee. Involvement of local officials in stormwater management programs at the county and regional level aids in creating greater awareness and understanding of pollution control and water quality issues.

Measurable Goal(s), including frequencies:

The goal of this BMP is to increase awareness of local stormwater and/or water quality issues and the effects residents, as well as local governments, have on pollution control.

Milestones: **Years 6-10:** The City will continue to participate in local stakeholder meetings and represent the residents on pertinent stormwater management issues.

BMP No. B.7

Brief Description of BMP:

The City of Rolling Meadows will continue to provide the Citizens Report Form on the Public Works Department website to allow reporting of illicit discharges to the storm sewer system and maintenance problems associated with ponds, streams or outfalls. The Citizens Report Form allows residents of Rolling Meadows to electronically submit notification of infrastructure problems directly to the Public Works Department.

Measurable Goal(s), including frequencies:

The goal of this program is to provide active citizen participation in detection of illicit discharges to the storm sewer system and problems with drainage features. This program will also aid the Public Works Department in the detection of illicit discharges and inspection of drainage features.

Milestones: **Years 6-10:** The Public Works Department will continue to provide the Citizen Report Form and track reports by location and problem.

3. Illicit Discharge Detection and Elimination

The City commits to performing some activities related to the Illicit Discharge Detection and Elimination minimum control. BMPs will be implemented under BMP numbers C.1, C.2, C.3, C.4, C.5, C.9 and C.10 as described below.

BMP No. C.1

Brief Description of BMP:

The City has developed an extensive, GIS based storm sewer atlas map and GPS inventory of the storm sewer system.

Measurable Goal(s), including frequencies:

The goal of this program is to develop a storm sewer map for the City.

Milestones: **Years 6-10:** The Public Works Department will update storm sewer map as needed to reflect new and re-development.

BMP No. C.2, C.3, C.4, C.5

Brief Description of BMP:

The Public Works Department utilizes a work order management system for handling the report of a possible illicit discharge to storm sewer systems. The City of Rolling Meadows Fire Department Hazardous Materials Unit responds to hazardous spills or discharges that may enter the storm sewer system. The Hazardous Materials Unit produces reports of these discharges and they are tracked and assigned an incident number. The Citizens Report Form on the Public Works website and the Community Development Department Health Inspection Forms can also be used to report illicit discharges.

Measurable Goal(s), including frequencies:

The goal of this program is to develop procedure for tracking, investigating and eliminating illicit discharges to the storm sewer system.

Milestones: **Years 6-10:** The Public Works Department will continue to enforce the procedures for eliminating illicit discharges once they are reported and investigated.

BMP No. C.6

Brief Description of BMP:

The City of Rolling Meadows Public Works Department regularly assess their NPDES program to determine the effectiveness of the BMPs selected to meet the specified goals for overall compliance.

Measurable Goal(s), including frequencies:

The goal of this program is to evaluate the appropriateness of the BMPs selected for the NPDES program in meeting the goals necessary to maintain compliance.

Milestones: **Years 6-10:** The City of Rolling Meadows will continue the yearly evaluation of its NPDES program and BMPs selected for effectiveness in meeting the specific measurable goals.

BMP No. C.9

Brief Description of BMP:

The City of Rolling Meadows Public Works Ordinance Violation Brochure is available at the Public Works Department and City Hall and explains Public Works Ordinance Violations. The brochure includes examples of illicit discharges to the storm sewer system from residential sources prohibited by the City Code.

Measurable Goal(s), including frequencies:

The goal of this program is to notify the public about the consequences of discharging illicit discharges into the storm sewer system.

Milestones: **Years 6-10:** The City of Rolling Meadows will continue to provide the Public Works Ordinance Violation Brochure and enforce the City Code.

BMP No. C.10

Brief Description of BMP:

The City of Rolling Meadows Community Development Department Health Inspection Forms specifically addresses non-stormwater discharges into the storm sewer system from commercial sources (e.g. restaurant grease traps).

Measurable Goal(s), including frequencies:

The goal of this program is identify illicit discharges to the storm sewer system from commercial sources.

Milestones: **Years 6-10:** The Community Development Department will continue to utilize the inspection forms and enforce the Code to eliminate these sources once identified.

BMP No. C.10

Brief Description of BMP:

The City of Rolling Meadows Public Works Department performs regular monitoring activities of the receiving waters that receive discharges from MS4 outfalls.

Measurable Goal(s), including frequencies:

The goal of this program is to monitor the receiving waters for potential illicit discharges from the MS4.

Milestones: **Years 6-10:** The Public Works Department will continue to monitor the receiving waters upstream and downstream of the MS4 discharge points.

4. Construction Site Runoff Control

The City will perform activities and services related to the Construction Site Runoff Control minimum control measure. BMPs will be implemented under BMP numbers D.1, D.2, D.4, D.5 and D.6 as described below.

BMP No. D.1, D.4

Brief Description of BMP:

All development projects over 1 acre require a NOI for Construction Activities under NPDES Permit No. ILR10 are identified during the plan review process by the City Engineer. The City's permit procedure requires the applicant to verify submittal of a NOI to the Illinois Environmental Protection Agency Division of Water Pollution Control at least 30 days prior to the commencement of construction.

Measurable Goal(s), including frequencies:

The goal of this BMP will be to have all sediment and erosion control measure for developments greater or equal to one acre be reviewed by the City and notification provided to the IEPA.

Milestones: **Years 6-10:** The Public Works Department will continue to enforce the review procedures.

BMP No. D.2, D.5, D.6

Brief Description of BMP:

The City's Public Works Department and City Engineer perform construction site inspection of erosion and sediment control measures to monitor conformance with NPDES Phase II Permit requirements. Any incidents of non-compliance or reports from residents are handled by the Public Works Department with the same procedures as reports from the Storm Water Hotline and the Citizens Report Form.

Measurable Goal(s), including frequencies:

The goal of this BMP will be to reduce the discharge of pollutants from construction sites by effectively utilizing sediment and erosion control measures for developments in the City.

Milestones: **Years 6-10:** The Public Works Department will continue to perform the sediment and erosion control measure procedures and inspections.

5. Post-Construction Runoff Control

The City will perform activities and services related to the Post-Construction Site Runoff Control minimum control measure. BMPs will be implemented under BMP number E.2, E.3, E.4, E.5, and E.6 as described below.

BMP No. E.2, E.4

Brief Description of BMP:

The City's Code requires that the site design for development projects that disturb greater than one acre must have in place controls that would protect water quality and reduce the discharge of pollutants for the life of the development project. The City Engineer reviews structural and non-structural BMPs for all new development projects BMPs to verify they meet the goals of the City Code and the specific project site. The Public Works Department also continues to develop working files and review technical reports on structural and non-structural BMPs that can be incorporated into site development guidelines.

Measurable Goal(s), including frequencies:

The goal of this BMP will be to address stormwater runoff from new development and redevelopment projects that disturb greater than or equal to one acre.

Milestones: **Years 6-10:** The City will continue to enforce the Code and procedures.

BMP No. E.3

Brief Description of BMP:

The City Code contains language and enforcement procedures to require long-term stormwater facility maintenance agreements for new development and redevelopment projects.

Measurable Goal(s), including frequencies:

The goal of this program is to assign responsibility for the maintenance of new storm sewer systems to a responsible party other than the City.

Milestones: **Years 6-10:** The Public Works Department will continue to enforce the development policies and Code.

BMP No. E.5, E.6

Brief Description of BMP:

The City performs bi-weekly site inspections during and after construction at new development and redevelopment projects to verify compliance with the runoff control requirements.

Measurable Goal(s), including frequencies:

The goal of this BMP is to reduce the amount of pollutants leaving development sites by inspecting the BMPs to verify compliance and performance.

Milestones: **Years 6-10:** The Public Works Department will continue to perform the inspections and enforce the development guidelines.

6. Pollution Prevention/Good Housekeeping

This minimum control measure involves the development and implementation of an operation and maintenance program to reduce the discharge of pollutants from municipal operations. This program must include a training program for municipal employees. The City will perform BMPs under BMP numbers F.1, F.2, F.3 and F.4 as described below.

BMP No. F.1, F.3, F.4

Brief Description of BMP:

The Public Works Department has procedures that provide guidance and procedures for employees to reduce or eliminate the discharge of pollutants from City owned facilities to the storm sewer system. The City's extensive program to reduce pollutant discharge by City employees is outlined in the QLP section of this report.

Measurable Goal(s), including frequencies:

The goal of this BMP will be to educate Public Works employees of current practices that contribute to stormwater pollution and/or to develop new procedures and make revisions to existing procedures that will curtail the discharge of pollutants to storm sewer systems by Public Works employees.

Milestones: **Years 6-10:** The Public Works Department will approve continue the current programs.

BMP No. F.2

Brief Description of BMP:

The City of Rolling Meadows Public Works Department has procedures that require routine inspections of ponds, stream channels and storm sewer outfalls once every three years by Public Works staff. Non-routine inspection visits should be required to address comments from residents, the Fire Department Hazardous Materials Unit and the Community Development Department Inspections. The inspection process included photos and written documentation of current conditions. Inspections are also performed following large storm events to verify the working conditions of storm sewer inlets and detention/retention basins.

Measurable Goal(s), including frequencies:

The goal of this BMP will be to require inspections of ponds, streams and outfalls.

Milestones: **Years 6-10:** The Public Works Department will continue the inspection program.

Part E. Notice of Qualifying Local Program

The City of Rolling Meadows established an efficient and effective stormwater management program that is well beyond the minimum requirements of the federally mandated NPDES Phase II program during the original 5-year permit period. The City will continue to monitor the existing program and modify it as necessary to continue to maintain compliance with the NPDES requirements.

1. Public Education and Outreach:

The City of Rolling Meadows has a comprehensive program developed during the original 5 year NOI permit period that provides Public Education and Outreach resources to its residents through printed materials and the City website. Provided below are details outlining the program and the BMPs that are addressed by current City activities and programs.

The program currently produces and distributes brochures and/or informational materials on a variety of stormwater related topics at the Public Works Department. The City's Public Education and Outreach program also publishes a stormwater and/or ambient water quality article in the monthly newsletter and provides links on the City's website to stormwater management resources available from other local and federal agencies.

The Public Works Department holds a Public Open House approximately every 3-5 years to gather valuable community input and provide information to residents. The Public Works Department will hold another Open House within the next 5 years.

This program relates to BMP numbers A.1, A.3, A.4 and A.6.

2. Public Participation/Involvement:

The City of Rolling Meadows has a comprehensive program to address the Public Participation/Involvement requirement of the NPDES Phase II permit. Provided below are details outlining the program and the BMPs that are addressed by current City activities and programs.

The City participates in local water quality programs by assisting groups such as the "Friends of the Creek", City of Rolling Meadows Urban Affairs Committee, and Rolling Meadows High School students with cleanup activities on Salt Creek that focus on removing litter and invasive buckthorn.

The City's Public Works Department staff also participates in the Salt Creek/Poplar Creek Watershed Planning Council. This is one of seven groups established by the Metropolitan Water Reclamation District to address stormwater management needs in Cook County. The Director of Public Works serves on the Salt Creek/Poplar Creek Watershed Planning Council Executive Committee. Involvement of local officials in stormwater management programs at the county and regional level aids in creating greater awareness and understanding of pollution control and water quality issues.

The City has also established several rain garden demonstration areas at the Public Works facility to educate the public about in the importance of caring for the environment and encourage our residents preserve and conserve our natural resources by reducing stormwater runoff and improving water quality in their own back yards. The Public Works Department also developed two interpretive

brochures to increase public awareness and understanding of stormwater pollution prevention through Best Management Practices.

The City encourages public participation and action on illicit discharges to surface waters through a "Citizens Report Form" available on the City's website. The report form provides a way to electronically submit notification of illegal activities or infrastructure problems directly to the Public Works Department. Residents are also encouraged to contact the Public Works Department by phone to report potential discharges of pollutants to the storm sewer system and make routine service requests during business hours and to contact the Police Department non-emergency phone number, aka the "storm water hotline" on evenings and weekends. These phone numbers are listed under the "Stormwater Management" link on the City's website. Examples of reports of illicit discharges received by phone have involved illegal dumping of trash, brush, or other yard waste.

The City also maintains a link to the "Illinois EPA Citizen Pollution Complaint Form" and to the Metropolitan Water Reclamation District of Greater Chicago "To Report an Emergency or Pollution Incident" on the Public Works Department Stormwater Management page to further encourage citizen participation in detection of illicit discharges to the storm sewer system.

The City of Rolling Meadows Park District has historically participated in the National Tree Trust. In previous years, a local scout group planted and cared for 100 seedlings to be planted in Campbell St. Park. The typical practice is to plant trees in containers and then re-planted them desired location once they have reached an appropriate size. The City of Rolling Meadows Park District will continue to participate in this or similar events.

The Public Works Department holds a Public Open House approximately every 3-5 years to gather valuable community input and provide information to residents. The Public Works Department will hold another Open House within the next 5 years.

These programs relate to BMP numbers B.2, B.3, B.5, B.6 and B.7.

3. Illicit Discharge Detection and Elimination:

The City of Rolling Meadows developed a comprehensive program during the original 5 year NOI permit period that addresses the Illicit Discharge Detection and Elimination requirements of the NPDES Phase II program. Provided below are details outlining the program and the BMPs that are addressed by current City activities and programs.

The City has developed an extensive, GIS based storm sewer atlas map and GPS inventory of the storm sewer system. The City has also purchased hardware and software to use and maintain the storm sewer GIS, including: 2 Panasonic CF29 Tough Book computers, work station and server, large format printers, 2 Trimble Geo XT handheld data collection units, and ESRI – ARCGIS 9.2, ARC Server and ARC Pad 7.1 software. The City's atlas is well beyond the minimum requirements of the NPDES Phase II program and is continually updated to reflect new development.

The Public Works Department utilizes a work order management system to document response to reports of illicit discharges (program activity codes #3715 and #5115).

The City of Rolling Meadows Fire Department investigates and responds to all reports of possible illicit discharges to storm sewer systems and HAZMAT spills, with support from the Illinois

Emergency Management Association upon request. The City documents, reports and assigns an incident number to all HAZMAT incidents.

The Public Works Department "Ordinance Violations Brochure" includes examples of illicit discharges to the storm sewer system from residential sources prohibited by Section 110-127 of the City Code.

The Community Development Department performs commercial property inspections designed to identify potential illicit discharges of pollutants from commercial sources and take enforcement action.

The City of Rolling Meadows and the Solid Waste Agency of Northern Cook County provides a comprehensive program to facilitate the proper handling and disposal of oil and household hazardous waste. SWANCC regularly coordinates "Household Hazardous Waste Collection" events that provide residents with the opportunity to bring paints, cleaning solvents, automotive products, old fuel, etc. to a collection location for pickup by a licensed hazardous waste hauler.

As part of the City's refuse collection program residents may bring used oil to a drop off location, where it is transferred to a spill containment storage tank for reclamation by the City's waste oil recycling contractor.

The City of Rolling Meadows Code of Ordinances Sections 110-127 and 110-65 prohibit the discharge of trash, sanitary water or industrial wastewater to the storm sewer system. Fines of not less than \$50.00 nor more than \$1,000.00 have been established for each violation. The Public Works Department has also published Section 110-127 in their Ordinance Violations Brochure that is available at the City Hall and the Public Works Department.

These programs relate to BMP numbers C.1, C.2, C.3, C.4, C.5, C.9 and C.10.

4. Construction Site Runoff Control:

The City of Rolling Meadows developed a comprehensive program during the original 5 year NOI permit period that addresses the Construction Site Runoff Control requirements of the NPDES Phase II program. Provided below are details outlining the program and the BMPs that are addressed by current City activities and programs.

The City of Rolling Meadows Code of Ordinances Section 38-171 requires a development permit for the following activities:

1. Excavation, fill, or any combination that exceeds 100 cubic yards,
2. Fill that exceeds three feet in vertical depth,
3. Excavation that exceeds four feet in vertical depth,
4. Excavation, fill, or any combination that exceeds 5,000 square feet, or
5. Plant cover is to be removed from an area exceeding 5,000 square feet on any vacant parcel or any parcel of land in excess of 10 acres.

All development projects that require a NOI for Construction Activities under NPDES Permit No. ILR10 are identified during the plan review process by the City Engineer. The City's permit procedure requires the applicant to verify submittal of a NOI to the Illinois Environmental Protection Agency Division of Water Pollution Control at least 30 days prior to the commencement of

construction.

The City's Public Works Department and City Engineer perform construction site inspection of erosion and sediment control measures to monitor conformance with NPDES Phase II Permit requirements. Any incidents of non-compliance or reports from residents are handled by the Public Works Department with the same procedures as reports from the Storm Water Hotline and the Citizens Report Form. These programs relate to BMP numbers D.1, D.2, D.4, D.5 and D.6.

5. Post-Construction Runoff Control:

The City of Rolling Meadows developed a comprehensive program during the original 5 year NOI permit period that addresses the Post-Construction Runoff Control requirements of the NPDES Phase II program. Provided below are details outlining the program and the BMPs that are addressed by current City activities and programs.

The City of Rolling Meadows Code of Ordinances Section 122-266 requires preservation and maintenance of open space for planned developments. This section requires that the open space shall be preserved by private reservation or dedication to the public. The City of Rolling Meadows will continue to enforce this non-structural BMP in its Code of Ordinances.

The City performs bi-weekly site inspections at new development and redevelopment projects to verify compliance with the runoff control requirements.

The City's existing requirements of the Municipal Code govern responsibility for long-term operation and maintenance of new storm sewer systems. The goal of this program is to assign responsibility for the maintenance of new storm sewer systems to a responsible party other than the City.

The Public Works Department continues to develop working files and review technical reports on structural and non-structural BMPs that can be incorporated into site development guidelines. The City Engineer reviewed and recommended structural and non-structural BMPs for all new development projects.

These programs relate to BMP numbers E.2, E.3, E.4, E.5 and E.6.

6. Pollution Prevention/Good Housekeeping:

The City of Rolling Meadows developed a comprehensive program during the original 5 year NOI permit period that addresses the Pollution Prevention/Good Housekeeping requirements of the NPDES Phase II program. The goal of this BMP is to identify current practices that contribute to stormwater pollution and implement programs and procedures for Public Works activities that curtail the discharge of pollutants to storm sewer systems. Provided below are details outlining the program and the BMPs that are addressed by current City activities and programs.

IEPA approved \$351,000 in grant funds for Salt Creek stream bank stabilization projects, which include a large portion of the shoreline on Kennedy Pond. The grant application approved also addresses Salt Creek shore erosion problems in two locations near Central Road and another west of Fox Lane. The project will reduce shore and stream bank erosion and improve water quality in the portion of Salt Creek that flows through Rolling Meadows. A contract has been approved with the

City Engineer for the final design and project specifications. Work on the project is expected to begin late spring or early summer 2008 and be completed by the end of the year.

In 2007 the City completed installation of an aeration system at Barker Lake to improve water quality and algae control.

Activities in the City's vehicle maintenance shop are a potentially significant source of pollutants. Procedures that address spill prevention, material management, and good housekeeping practices that limit pollution discharges from vehicle O & M activities in the vehicle services shop are part of our ongoing staff training and education program. Waste oil and anti-freeze storage tanks, and lead acid batteries awaiting pickup for recycling are located inside the vehicle shop and not exposed to storm water. Oil, hydraulic fluids, anti-freeze and cleaners are stored inside the building, well away from outside doors. Used oil dropped off by residents as part of the City's recycling program is stored outside in a spill containment tank. All used oil and anti-freeze is periodically picked up for off-site reclamation by a waste oil service. There are no "significant materials" which are exposed to storm water.

The City's street sweeping program has a direct beneficial impact on water quality. The City of Rolling Meadows maintains 121 miles of curb line. All streets are swept every 21-28 days April through November. In October and November street sweeping is performed more frequently (by contract) in key areas. The City's street sweeping program prevents substantial discharges of particulates/solids, phosphorus and petroleum based products to Salt Creek.

The City maintains public open space and right-of-way areas by contract. Use of herbicides for broadleaf weed control in turf is limited to locations receiving the highest levels of maintenance. Herbicides having exceptionally low toxicity to aquatic life are used exclusively. Fertilizer materials applied to turf are specified to be slow-release, minimizing the potential for pollution discharge in stormwater runoff. Certified operators make all applications of herbicides and fertilizers, which provide assurance that proper disposal practices and label instructions are followed. BMPs reflected in the City's landscape maintenance activities include triple rinsing of herbicide containers and application of the rinsate to the area being treated, spill prevention during storage, use minimization, application by licensed operators, and careful selection of pesticide materials to minimize any potential adverse water quality impact.

The Public Works Department provides weekly yard waste collection service to all single-family households. Brush collection is also conducted twice yearly in the spring and fall.

The City's litter control and waste disposal programs serve to protect water quality and enhance the visual aesthetics of the community. Outstanding levels of refuse collection and recycling service, and an emphasis on litter control and roadside maintenance contributes to Rolling Meadows reputation as a clean community. Despite substantial effort devoted to public education, litter removal, street sweeping and enforcement of ordinances, dumping of trash along Salt Creek, public right-of-way, and litter from other sources still enters the City's storm sewer system and ultimately is discharged to Salt Creek. The Public Works Department coordinates litter and debris removal with Cook County "Sheriff Work Alternative Program" (SWAP) participants to reduce the amount of litter and debris discharged to Salt Creek through the City's storm sewer system.

The City' maintains 60 miles of underground storm sewer lines, 5 miles of open drainage ditches, 100 culverts, 3,000 catch basins and inlet structures, 1,500 storm sewer manholes, 43 outfalls, 11

miles of Salt Creek stream bank, and numerous detention and retention facilities. The City improves maintenance of the City's underground storm sewer system by cleaning catch basins, repairing catch basins/manholes and/or replacing catch basin inlets. The City's Underground Utilities Division also performs televising, cleaning and jetting, point repairs under 10', manhole cover replacement, and manages contractual work such as infiltration testing and detection of storm sewer connections to the sanitary sewer system.

In 2007 a report on current F.O.G. conditions was prepared and a 2-3 year high pressure water jetting program to prevent sanitary sewer overflows was recommended and implemented by the Division.

The Public Works Department also has an inspection program that was initiated during the original permit period. The goal of this BMP is to complete inspections of outfalls and detention/retention facilities once every three years. In Permit Year 5 the City completed inspection of all outfalls and detention/retention facilities. The inspection process included photo and written documentation of current conditions. Inspections were also made following large storm events to verify the working condition of storm sewer inlets and detention/retention basins.

The City of Rolling Meadows Public Works Department Employee Manual specifically addresses waste removal and environmentally conscious winter salt storage techniques by Public Works employees. In past years, the City has received the Excellence in Salt Storage Award from the National Salt Institute, which recognizes agencies with outstanding storage facilities and programs. Liquid calcium chloride is stored in fiberglass tanks. Consequently none of the deicing materials are exposed to storm water during storage and there is no threat of release to the storm sewer system. BMPs employed by the City prevent the discharge of pollutants to the Maximum Extent Practicable. These programs relate to BMP number F.1, F.2, F.3, F.4 and F.6.

Part F. Construction Projects Conducted During Year 7

(Provide a list of construction projects your entity has paid for during the reporting period.)

There were no projects greater than 1 acre funded by the City during Year 7.

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
ANNUAL FACILITY INSPECTION REPORT
NPDES PERMIT FOR STORM WATER DISCHARGES
FROM MUNICIPAL SEPARATE STORM SEWER SYSTEMS (MS4)**

Complete each section of this report.

REPORT PERIOD:	FROM: MARCH 2010	TO: MARCH 2011
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MS4 OPERATOR INFORMATION: (As it appears on the current permit)

NAME: City of Rolling Meadows		TELEPHONE NUMBER: 847-963-0500
MAILING ADDRESS: 3600 Kirchoff Road		
CITY: Rolling Meadows	STATE: IL	ZIP: 60008
CONTACT PERSON: Fred Vogt (Person responsible for Annual Report)		

NAME(S) OF GOVERNMENTAL ENTITY(IES) IN WHICH MS4 IS LOCATED: (As it appears on the current permit)

Cook County	

THE FOLLOWING ITEMS MUST BE ADDRESSED.

A. CHANGES TO BEST MANAGEMENT PRACTICES (check appropriate BMP change(s) and attach information regarding change(s) to BMP and measurable goals.)

1. Public Education and Outreach	<input type="checkbox"/>	4. Construction Site Runoff Control	<input type="checkbox"/>
2. Public Participation/Involvement	<input type="checkbox"/>	5. Post-Construction Runoff Control	<input type="checkbox"/>
3. Illicit Discharge Detection & Elimination	<input checked="" type="checkbox"/>	6. Pollution Prevention/Good Housekeeping	<input type="checkbox"/>

B. Attach the status of compliance with permit conditions, an assessment of the appropriateness of your identified best management practices and progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP, and your identified measurable goals for each of the minimum control measures.

C. Attach results of information collected and analyzed, including monitoring data, if any during the reporting period.

D. Attach a summary of the storm water activities you plan to undertake during the next reporting cycle (including an implementation schedule.)

E. Attach notice that you are relying on another government entity to satisfy some of your permit obligations (if applicable).

F. Attach a list of construction projects that your entity has paid for during the reporting period.

SIGNATURE: <i>Fred Vogt DPW-RM</i>	DATE: May 23, 2011
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Information required by this form must be provided to comply with 415 ILCS 5/39 (1996). Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

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Part A. Changes to Best Management Practices

Note: X indicates BMPs performed that were proposed in your NPDES permit
 ✓ indicates changes to BMPs proposed in your NPDES permit

Year 6	Year 7	Year 8	Year 9	Year 10	
MS4					
A. Public Education and Outreach					
X	X	X			A.1 Distributed Paper Material
					A.2 Speaking Engagement
X	X	X			A.3 Public Service Announcement
X	X	X			A.4 Community Event
					A.5 Classroom Education Material
X	X	X			A.6 Other Public Education
B. Public Participation/Involvement					
					B.1 Public Panel
X	X	X			B.2 Educational Volunteer
X	X	X			B.3 Stakeholder Meeting
					B.4 Public Hearing
X	X	X			B.5 Volunteer Monitoring
X	X	X			B.6 Program Coordination
X	X	X			B.7 Other Public Involvement
C. Illicit Discharge Detection and Elimination					
X	X	X			C.1 Storm Sewer Map Preparation
X	X	X			C.2 Regulatory Control Program
X	X	X			C.3 Detection/Elimination Prioritization Plan
X	X	X			C.4 Illicit Discharge Tracing Procedures
X	X	X			C.5 Illicit Source Removal Procedures
✓	✓	✓			C.6 Program Evaluation and Assessment
					C.7 Visual Dry Weather Screening
					C.8 Pollutant Field Testing
X	X	X			C.9 Public Notification
✓	✓	✓			C.10 Other Illicit Discharge Controls

Year 6	Year 7	Year 8	Year 9	Year 10	
MS4					
D. Construction Site Runoff Control					
X	X	X			D.1 Regulatory Control Program
X	X	X			D.2 Erosion and Sediment Control BMPs
					D.3 Other Waste Control Program
X	X	X			D.4 Site Plan Review Procedures
X	X	X			D.5 Public Information Handling Procedures
X	X	X			D.6 Site Inspection/Enforcement Procedures
					D.7 Other Construction Site Runoff Controls
E. Post-Construction Runoff Control					
					E.1 Community Control Strategy
X	X	X			E.2 Regulatory Control Program
X	X	X			E.3 Long Term O&M Procedures
X	X	X			E.4 Pre-Const Review of BMP Designs
X	X	X			E.5 Site Inspections During Construction
X	X	X			E.6 Post-Construction Inspections
					E.7 Other Post-Const Runoff Controls
F. Pollution Prevention/Good Housekeeping					
X	X	X			F.1 Employee Training Program
X	X	X			F.2 Inspection and Maintenance Program
X	X	X			F.3 Municipal Operations Storm Water Control
X	X	X			F.4 Municipal Operations Waste Disposal
					F.5 Flood Management/Assess Guidelines
					F.6 Other Municipal Operations Controls

Part B. Status of Compliance with Permit Conditions

(Provide the status of compliance with permit conditions, an assessment of the appropriateness of your identified best management practices and progress towards achieving the statutory goal of reducing the discharge of pollutants to the maximum extent practicable [MEP], and your identified measurable goals for each of the minimum control measures.)

The status of BMPs and measurable goals performed in Year 8 are described below.

BMP No. A.1 – Distributed Paper Material

Brief Description of BMP:

The City of Rolling Meadows will continue to produce and make available brochures on a variety of stormwater related topics. These brochures and informational materials are made available for the public at the City facilities.

BMP No. A.3 – Public Service Announcement

Brief Description of BMP:

The City of Rolling Meadows will continue to include a stormwater and/or ambient water quality related articles in the City's monthly newsletter, "News & Views".

BMP No. A.4 – Community Event

Brief Description of BMP:

The Public Works Department holds a Public Open House approximately every 3-5 years to gather valuable community input and provide information to residents. The Public Works Department will hold another Open House within the next 5 years.

BMP No. A.6 – Other Public Involvement

Brief Description of BMP:

The City of Rolling Meadows will continue to monitor the links on the City website that provide stormwater management information and other waste related information to residents. The City will update or modify the links as needed or as additional information becomes available.

BMP No. B.2, B.5, and B.6 – Educational Volunteer, Volunteer Monitoring, and Program Coordination

Brief Description of BMP:

The City of Rolling Meadows will continue to support local schools and/or civic groups by providing coordination, supplies and/or training for water quality and stream enhancement activities.

BMP No. B.3 – Stakeholder Meeting

Brief Description of BMP:

The City's Public Works Department staff participates in the Salt Creek/Poplar Creek Watershed Planning Council. This is one of seven groups established by the Metropolitan Water Reclamation District to address stormwater management needs in Cook County. The Director of

Public Works serves on the Salt Creek/Poplar Creek Watershed Planning Council Executive Committee. Involvement of local officials in stormwater management programs at the county and regional level aids in creating greater awareness and understanding of pollution control and water quality issues.

BMP No. B.7 – Other Public Involvement

Brief Description of BMP:

The City of Rolling Meadows will continue to provide the Citizens Report Form on the Public Works Department website to allow reporting of illicit discharges to the storm sewer system and maintenance problems associated with ponds, streams or outfalls. The Citizens Report Form allows residents of Rolling Meadows to electronically submit notification of infrastructure problems directly to the Public Works Department.

BMP No. C.1 – Storm Sewer Map Preparation

Brief Description of BMP:

The City has developed an extensive, GIS based storm sewer atlas map and GPS inventory of the storm sewer system.

BMP No. C.2, C.3, C.4, C.5 – Regulatory Control Program, Detection/Elimination Prioritization Plan, Illicit Discharge Tracing Procedures, Illicit Source Removal Procedures

Brief Description of BMP:

The Public Works Department utilizes a work order management system for handling the report of a possible illicit discharge to storm sewer systems. The City of Rolling Meadows Fire Department Hazardous Materials Unit responds to hazardous spills or discharges that may enter the storm sewer system. The Hazardous Materials Unit produces reports of these discharges and they are tracked and assigned an incident number. The Citizens Report Form on the Public Works website and the Community Development Department Health Inspection Forms can also be used to report illicit discharges.

BMP No. C.9 – Public Notification

Brief Description of BMP:

The City of Rolling Meadows Public Works Ordinance Violation Brochure is available at the Public Works Department and City Hall and explains Public Works Ordinance Violations. The brochure includes examples of illicit discharges to the storm sewer system from residential sources prohibited by the City Code.

BMP No. C.10 – Other Illicit Discharge Controls

Brief Description of BMP:

The City of Rolling Meadows Community Development Department Health Inspection Forms specifically addresses non-stormwater discharges into the storm sewer system from commercial sources (e.g. restaurant grease traps).

BMP No. D.1, D.4 – Regulatory Control Program, Site Plan Review Procedures

Brief Description of BMP:

All development projects over 1 acre require a NOI for Construction Activities under NPDES Permit No. ILR10 are identified during the plan review process by the City Engineer. The City's permit procedure requires the applicant to verify submittal of a NOI to the Illinois Environmental Protection Agency Division of Water Pollution Control at least 30 days prior to the commencement of construction.

BMP No. D.2, D.5, D.6 – Erosion and Sediment Control BMPs, Public Information Handling Procedures, Site Inspection/Enforcement Procedures

Brief Description of BMP:

The City's Public Works Department and City Engineer perform construction site inspection of erosion and sediment control measures to monitor conformance with NPDES Phase II Permit requirements. Any incidents of non-compliance or reports from residents are handled by the Public Works Department with the same procedures as reports from the Storm Water Hotline and the Citizens Report Form.

BMP No. E.2, E.4 – Regulatory Control Program, Pre-Construction Review of BMP Designs

Brief Description of BMP:

The City's Code requires that the site design for development projects that disturb greater than one acre must have in place controls that would protect water quality and reduce the discharge of pollutants for the life of the development project. The City Engineer reviews structural and non-structural BMPs for all new development projects BMPs to verify they meet the goals of the City Code and the specific project site. The Public Works Department also continues to develop working files and review technical reports on structural and non-structural BMPs that can be incorporated into site development guidelines.

BMP No. E.3 – Long Term O&M Procedures

Brief Description of BMP:

The City Code contains language and enforcement procedures to require long-term stormwater facility maintenance agreements for new development and redevelopment projects.

BMP No. E.5, E.6 – Site Inspections During Construction, Post-Construction Inspections

Brief Description of BMP:

The City performs bi-weekly site inspections during and after construction at new development and redevelopment projects to verify compliance with the runoff control requirements.

BMP No. F.1, F.3, F.4 – Employee Training Program, Muni Operations Storm Water Control, Municipal Operations Waste Disposal

Brief Description of BMP:

The Public Works Department has procedures that provide guidance and procedures for employees to reduce or eliminate the discharge of pollutants from City owned facilities to the storm sewer system. The City's extensive program to reduce pollutant discharge by City employees is outlined in the QLP section of this report.

BMP No. F.2 - Inspection and Maintenance Program

Brief Description of BMP:

The City of Rolling Meadows Public Works Department has procedures that require routine inspections of ponds, stream channels and storm sewer outfalls once every three years by Public Works staff. Non-routine inspection visits should be required to address comments from residents, the Fire Department Hazardous Materials Unit and the Community Development Department Inspections. The inspection process included photos and written documentation of current conditions. Inspections are also performed following large storm events to verify the working conditions of storm sewer inlets and detention/retention basins.

Part C. Information and Data Collection Results

(Provide information and water quality sampling/monitoring data related to illicit discharge detection and elimination collected during the reporting period.)

Year 8 activities related to illicit discharge detection and elimination consisted primarily of program planning efforts. Therefore, no information or data was collected during this period.

Part D. Summary of Year 9 Stormwater Activities

(Present a summary of the storm water activities you plan to undertake during the next reporting cycle, including an implementation schedule in the sections following the table.)

The table shown below summarizes the BMPs committed to for Year 9. Specific BMPs and measurable goals for Year 9 program development activities are presented in the sections following the table.

Note: X indicates BMPs committed to for Year 9.

Year 9	
MS4	
A. Public Education and Outreach	
X	A.1 Distributed Paper Material
	A.2 Speaking Engagement
X	A.3 Public Service Announcement
X	A.4 Community Event
	A.5 Classroom Education Material
X	A.6 Other Public Education
B. Public Participation/Involvement	
	B.1 Public Panel
X	B.2 Educational Volunteer
X	B.3 Stakeholder Meeting
	B.4 Public Hearing
X	B.5 Volunteer Monitoring
X	B.6 Program Coordination
X	B.7 Other Public Involvement
C. Illicit Discharge Detection and Elimination	
X	C.1 Storm Sewer Map Preparation
X	C.2 Regulatory Control Program
X	C.3 Detection/Elimination Prioritization Plan
X	C.4 Illicit Discharge Tracing Procedures
X	C.5 Illicit Source Removal Procedures
X	C.6 Program Evaluation and Assessment
	C.7 Visual Dry Weather Screening
	C.8 Pollutant Field Testing
X	C.9 Public Notification
X	C.10 Other Illicit Discharge Controls

Year 9	
MS4	
D. Construction Site Runoff Control	
X	D.1 Regulatory Control Program
X	D.2 Erosion and Sediment Control BMPs
	D.3 Other Waste Control Program
X	D.4 Site Plan Review Procedures
X	D.5 Public Information Handling Procedures
X	D.6 Site Inspection/Enforcement Procedures
	D.7 Other Construction Site Runoff Controls
E. Post-Construction Runoff Control	
	E.1 Community Control Strategy
X	E.2 Regulatory Control Program
X	E.3 Long Term O&M Procedures
X	E.4 Pre-Const Review of BMP Designs
X	E.5 Site Inspections During Construction
X	E.6 Post-Construction Inspections
	E.7 Other Post-Const Runoff Controls
F. Pollution Prevention/Good Housekeeping	
X	F.1 Employee Training Program
X	F.2 Inspection and Maintenance Program
X	F.3 Municipal Operations Storm Water Control
X	F.4 Municipal Operations Waste Disposal
	F.5 Flood Management/Assess Guidelines
	F.6 Other Municipal Operations Controls

1. Public Education and Outreach

The City is committing to conduct Public Education and Outreach as part of its permit. Public Education and Outreach requires implementation of a program to distribute educational material to the community or conduct equivalent outreach activities about the impacts of storm water discharges on water bodies and the steps that the public can take to reduce pollutants to stormwater runoff. The City commits to implementation of BMPs related to A.1, A.3, a.4 and A.6 as described below.

BMP No. A.1

Brief Description of BMP:

The City of Rolling Meadows will continue to produce and make available brochures on a variety of stormwater related topics. These brochures and informational materials are made available for the public at the City facilities.

Measurable Goal(s), including frequencies:

The brochures will be developed to target developers, commercial and industrial facility operators and residents. The goal of this program is to increase the awareness of impacts of stormwater discharges on water bodies and the steps that the public can take to reduce pollutants in stormwater runoff.

Milestones: **Years 6-10:** The City of Rolling Meadows will continue to make informational materials and brochures related to stormwater management available at the City facilities.

BMP No. A.3

Brief Description of BMP:

The City of Rolling Meadows will continue to include a stormwater and/or ambient water quality related articles in the City's monthly newsletter, "News & Views".

Measurable Goal(s), including frequencies:

The City newsletter article will be developed to target developers, commercial and industrial facility operators and interested citizens. The goal of this program is to increase the awareness of impacts of stormwater discharges on water bodies and the steps that the public can take to reduce pollutants in stormwater runoff.

Milestones: **Years 6-10:** The City of Rolling Meadows will continue to include a stormwater and/or ambient water quality related article in the City newsletter each year.

BMP No. A.4

Brief Description of BMP:

The Public Works Department holds a Public Open House approximately every 3-5 years to gather valuable community input and provide information to residents. The Public Works Department will hold another Open House within the next 5 years.

Measurable Goal(s), including frequencies:

The goal of this BMP is to encourage community participation thorough education and interaction with City employees.

Milestones: **Years 6-10:** The City of Rolling Meadows will continue to hold the community event.

BMP No. A.6

Brief Description of BMP:

The City of Rolling Meadows will continue to monitor the links on the City website that provide stormwater management information and other waste related information to residents. The City will update or modify the links as needed or as additional information becomes available. The City will also post their NOI on the City website.

Measurable Goal(s), including frequencies:

The website will be developed to target developers, commercial and industrial facility operators and residents. The goal of this program is to increase the awareness of impacts of stormwater discharges on water bodies and the steps that the public can take to reduce pollutants in stormwater runoff.

Milestones: **Years 6-10:** The Public Works Department will monitor website links and update as new information becomes necessary or available.

2. Public Participation/Involvement

The City will perform activities and services related to the Public Participation/Involvement minimum control measure. BMPs will be implemented under BMP numbers B.2, B.3, B.5, B.6 and B.7 as described below.

BMP No. B.2, B.5, and B.6

Brief Description of BMP:

The City of Rolling Meadows will continue to support local schools and/or civic groups by providing coordination, supplies and/or training for water quality and stream enhancement activities.

Measurable Goal(s), including frequencies:

The City of Rolling Meadows will continue to support and encourage local groups to participate in a water quality or stream enhancement programs. This program has the goal of encouraging active public participation in ambient water quality programs and increasing the visibility of water quality and stream enhancement issues.

Milestones: **Years 6-10:** The Public Works Department will continue to support local volunteer group activities.

BMP No. B.3

Brief Description of BMP:

The City's Public Works Department staff participates in the Salt Creek/Poplar Creek Watershed Planning Council. This is one of seven groups established by the Metropolitan Water Reclamation District to address stormwater management needs in Cook County. The Director of Public Works serves on the Salt Creek/Poplar Creek Watershed Planning Council Executive Committee. Involvement of local officials in stormwater management programs at the county and regional level aids in creating greater awareness and understanding of pollution control and water quality issues.

Measurable Goal(s), including frequencies:

The goal of this BMP is to increase awareness of local stormwater and/or water quality issues and the effects residents, as well as local governments, have on pollution control.

Milestones: **Years 6-10:** The City will continue to participate in local stakeholder meetings and represent the residents on pertinent stormwater management issues.

BMP No. B.7

Brief Description of BMP:

The City of Rolling Meadows will continue to provide the Citizens Report Form on the Public Works Department website to allow reporting of illicit discharges to the storm sewer system and maintenance problems associated with ponds, streams or outfalls. The Citizens Report Form allows residents of Rolling Meadows to electronically submit notification of infrastructure problems directly to the Public Works Department.

Measurable Goal(s), including frequencies:

The goal of this program is to provide active citizen participation in detection of illicit discharges to the storm sewer system and problems with drainage features. This program will also aid the Public Works Department in the detection of illicit discharges and inspection of drainage features.

Milestones: **Years 6-10:** The Public Works Department will continue to provide the Citizen Report Form and track reports by location and problem.

3. Illicit Discharge Detection and Elimination

The City commits to performing some activities related to the Illicit Discharge Detection and Elimination minimum control. BMPs will be implemented under BMP numbers C.1, C.2, C.3, C.4, C.5, C.9 and C.10 as described below.

BMP No. C.1

Brief Description of BMP:

The City has developed an extensive, GIS based storm sewer atlas map and GPS inventory of the storm sewer system.

Measurable Goal(s), including frequencies:

The goal of this program is to develop a storm sewer map for the City.

Milestones: **Years 6-10:** The Public Works Department will update storm sewer map as needed to reflect new and re-development.

BMP No. C.2, C.3, C.4, C.5

Brief Description of BMP:

The Public Works Department utilizes a work order management system for handling the report of a possible illicit discharge to storm sewer systems. The City of Rolling Meadows Fire Department Hazardous Materials Unit responds to hazardous spills or discharges that may enter the storm sewer system. The Hazardous Materials Unit produces reports of these discharges and they are tracked and assigned an incident number. The Citizens Report Form on the Public Works website and the Community Development Department Health Inspection Forms can also be used to report illicit discharges.

Measurable Goal(s), including frequencies:

The goal of this program is to develop procedure for tracking, investigating and eliminating illicit discharges to the storm sewer system.

Milestones: **Years 6-10:** The Public Works Department will continue to enforce the procedures for eliminating illicit discharges once they are reported and investigated.

BMP No. C.6

Brief Description of BMP:

The City of Rolling Meadows Public Works Department regularly assess their NPDES program to determine the effectiveness of the BMPs selected to meet the specified goals for overall compliance.

Measurable Goal(s), including frequencies:

The goal of this program is to evaluate the appropriateness of the BMPs selected for the NPDES program in meeting the goals necessary to maintain compliance.

Milestones: **Years 6-10:** The City of Rolling Meadows will continue the yearly evaluation of its NPDES program and BMPs selected for effectiveness in meeting the specific measurable goals.

BMP No. C.9

Brief Description of BMP:

The City of Rolling Meadows Public Works Ordinance Violation Brochure is available at the Public Works Department and City Hall and explains Public Works Ordinance Violations. The brochure includes examples of illicit discharges to the storm sewer system from residential sources prohibited by the City Code.

Measurable Goal(s), including frequencies:

The goal of this program is to notify the public about the consequences of discharging illicit discharges into the storm sewer system.

Milestones: **Years 6-10:** The City of Rolling Meadows will continue to provide the Public Works Ordinance Violation Brochure and enforce the City Code.

BMP No. C.10

Brief Description of BMP:

The City of Rolling Meadows Community Development Department Health Inspection Forms specifically addresses non-stormwater discharges into the storm sewer system from commercial sources (e.g. restaurant grease traps).

Measurable Goal(s), including frequencies:

The goal of this program is identify illicit discharges to the storm sewer system from commercial sources.

Milestones: **Years 6-10:** The Community Development Department will continue to utilize the inspection forms and enforce the Code to eliminate these sources once identified.

BMP No. C.10

Brief Description of BMP:

The City of Rolling Meadows Public Works Department performs regular monitoring activities of the receiving waters that receive discharges from MS4 outfalls.

Measurable Goal(s), including frequencies:

The goal of this program is to monitor the receiving waters for potential illicit discharges from the MS4.

Milestones: **Years 6-10:** The Public Works Department will continue to monitor the receiving waters upstream and downstream of the MS4 discharge points.

4. Construction Site Runoff Control

The City will perform activities and services related to the Construction Site Runoff Control minimum control measure. BMPs will be implemented under BMP numbers D.1, D.2, D.4, D.5 and D.6 as described below.

BMP No. D.1, D.4

Brief Description of BMP:

All development projects over 1 acre require a NOI for Construction Activities under NPDES Permit No. ILR10 are identified during the plan review process by the City Engineer. The City's permit procedure requires the applicant to verify submittal of a NOI to the Illinois Environmental Protection Agency Division of Water Pollution Control at least 30 days prior to the commencement of construction.

Measurable Goal(s), including frequencies:

The goal of this BMP will be to have all sediment and erosion control measure for developments greater or equal to one acre be reviewed by the City and notification provided to the IEPA.

Milestones: **Years 6-10:** The Public Works Department will continue to enforce the review procedures.

BMP No. D.2, D.5, D.6

Brief Description of BMP:

The City's Public Works Department and City Engineer perform construction site inspection of erosion and sediment control measures to monitor conformance with NPDES Phase II Permit requirements. Any incidents of non-compliance or reports from residents are handled by the Public Works Department with the same procedures as reports from the Storm Water Hotline and the Citizens Report Form.

Measurable Goal(s), including frequencies:

The goal of this BMP will be to reduce the discharge of pollutants from construction sites by effectively utilizing sediment and erosion control measures for developments in the City.

Milestones: **Years 6-10:** The Public Works Department will continue to perform the sediment and erosion control measure procedures and inspections.

5. Post-Construction Runoff Control

The City will perform activities and services related to the Post-Construction Site Runoff Control minimum control measure. BMPs will be implemented under BMP number E.2, E.3, E.4, E.5, and E.6 as described below.

BMP No. E.2, E.4

Brief Description of BMP:

The City's Code requires that the site design for development projects that disturb greater than one acre must have in place controls that would protect water quality and reduce the discharge of pollutants for the life of the development project. The City Engineer reviews structural and non-structural BMPs for all new development projects BMPs to verify they meet the goals of the City Code and the specific project site. The Public Works Department also continues to develop working files and review technical reports on structural and non-structural BMPs that can be incorporated into site development guidelines.

Measurable Goal(s), including frequencies:

The goal of this BMP will be to address stormwater runoff from new development and redevelopment projects that disturb greater than or equal to one acre.

Milestones: **Years 6-10:** The City will continue to enforce the Code and procedures.

BMP No. E.3

Brief Description of BMP:

The City Code contains language and enforcement procedures to require long-term stormwater facility maintenance agreements for new development and redevelopment projects.

Measurable Goal(s), including frequencies:

The goal of this program is to assign responsibility for the maintenance of new storm sewer systems to a responsible party other than the City.

Milestones: **Years 6-10:** The Public Works Department will continue to enforce the development policies and Code.

BMP No. E.5, E.6

Brief Description of BMP:

The City performs bi-weekly site inspections during and after construction at new development and redevelopment projects to verify compliance with the runoff control requirements.

Measurable Goal(s), including frequencies:

The goal of this BMP is to reduce the amount of pollutants leaving development sites by inspecting the BMPs to verify compliance and performance.

Milestones: **Years 6-10:** The Public Works Department will continue to perform the inspections and enforce the development guidelines.

6. Pollution Prevention/Good Housekeeping

This minimum control measure involves the development and implementation of an operation and maintenance program to reduce the discharge of pollutants from municipal operations. This program must include a training program for municipal employees. The City will perform BMPs under BMP numbers F.1, F.2, F.3 and F.4 as described below.

BMP No. F.1, F.3, F.4

Brief Description of BMP:

The Public Works Department has procedures that provide guidance and procedures for employees to reduce or eliminate the discharge of pollutants from City owned facilities to the storm sewer system. The City's extensive program to reduce pollutant discharge by City employees is outlined in the QLP section of this report.

Measurable Goal(s), including frequencies:

The goal of this BMP will be to educate Public Works employees of current practices that contribute to stormwater pollution and/or to develop new procedures and make revisions to existing procedures that will curtail the discharge of pollutants to storm sewer systems by Public Works employees.

Milestones: **Years 6-10:** The Public Works Department will approve continue the current programs.

BMP No. F.2

Brief Description of BMP:

The City of Rolling Meadows Public Works Department has procedures that require routine inspections of ponds, stream channels and storm sewer outfalls once every three years by Public Works staff. Non-routine inspection visits should be required to address comments from residents, the Fire Department Hazardous Materials Unit and the Community Development Department Inspections. The inspection process included photos and written documentation of current conditions. Inspections are also performed following large storm events to verify the working conditions of storm sewer inlets and detention/retention basins.

Measurable Goal(s), including frequencies:

The goal of this BMP will be to require inspections of ponds, streams and outfalls.

Milestones: **Years 6-10:** The Public Works Department will continue the inspection program.

Part E. Notice of Qualifying Local Program

The City of Rolling Meadows established an efficient and effective stormwater management program that is well beyond the minimum requirements of the federally mandated NPDES Phase II program during the original 5-year permit period. The City will continue to monitor the existing program and modify it as necessary to continue to maintain compliance with the NPDES requirements.

1. Public Education and Outreach:

The City of Rolling Meadows has a comprehensive program developed during the original 5 year NOI permit period that provides Public Education and Outreach resources to its residents through printed materials and the City website. Provided below are details outlining the program and the BMPs that are addressed by current City activities and programs.

The program currently produces and distributes brochures and/or informational materials on a variety of stormwater related topics at the Public Works Department. The City's Public Education and Outreach program also publishes a stormwater and/or ambient water quality article in the monthly newsletter and provides links on the City's website to stormwater management resources available from other local and federal agencies.

The Public Works Department holds a Public Open House approximately every 3-5 years to gather valuable community input and provide information to residents. The Public Works Department will hold another Open House within the next 5 years.

This program relates to BMP numbers A.1, A.3, A.4 and A.6.

2. Public Participation/Involvement:

The City of Rolling Meadows has a comprehensive program to address the Public Participation/Involvement requirement of the NPDES Phase II permit. Provided below are details outlining the program and the BMPs that are addressed by current City activities and programs.

The City participates in local water quality programs by assisting groups such as the "Friends of the Creek", City of Rolling Meadows Urban Affairs Committee, and Rolling Meadows High School students with cleanup activities on Salt Creek that focus on removing litter and invasive buckthorn.

The City's Public Works Department staff also participates in the Salt Creek/Poplar Creek Watershed Planning Council. This is one of seven groups established by the Metropolitan Water Reclamation District to address stormwater management needs in Cook County. The Director of Public Works serves on the Salt Creek/Poplar Creek Watershed Planning Council Executive Committee. Involvement of local officials in stormwater management programs at the county and regional level aids in creating greater awareness and understanding of pollution control and water quality issues.

The City has also established several rain garden demonstration areas at the Public Works facility to educate the public about in the importance of caring for the environment and encourage our residents preserve and conserve our natural resources by reducing stormwater runoff and improving water quality in their own back yards. The Public Works Department also developed two interpretive

brochures to increase public awareness and understanding of stormwater pollution prevention through Best Management Practices.

The City encourages public participation and action on illicit discharges to surface waters through a "Citizens Report Form" available on the City's website. The report form provides a way to electronically submit notification of illegal activities or infrastructure problems directly to the Public Works Department. Residents are also encouraged to contact the Public Works Department by phone to report potential discharges of pollutants to the storm sewer system and make routine service requests during business hours and to contact the Police Department non-emergency phone number, aka the "storm water hotline" on evenings and weekends. These phone numbers are listed under the "Stormwater Management" link on the City's website. Examples of reports of illicit discharges received by phone have involved illegal dumping of trash, brush, or other yard waste.

The City also maintains a link to the "Illinois EPA Citizen Pollution Complaint Form" and to the Metropolitan Water Reclamation District of Greater Chicago "To Report an Emergency or Pollution Incident" on the Public Works Department Stormwater Management page to further encourage citizen participation in detection of illicit discharges to the storm sewer system.

The City of Rolling Meadows Park District has historically participated in the National Tree Trust. In previous years, a local scout group planted and cared for 100 seedlings to be planted in Campbell St. Park. The typical practice is to plant trees in containers and then re-planted them desired location once they have reached an appropriate size. The City of Rolling Meadows Park District will continue to participate in this or similar events.

The Public Works Department holds a Public Open House approximately every 3-5 years to gather valuable community input and provide information to residents. The Public Works Department will hold another Open House within the next 5 years.

These programs relate to BMP numbers B.2, B.3, B.5, B.6 and B.7.

3. Illicit Discharge Detection and Elimination:

The City of Rolling Meadows developed a comprehensive program during the original 5 year NOI permit period that addresses the Illicit Discharge Detection and Elimination requirements of the NPDES Phase II program. Provided below are details outlining the program and the BMPs that are addressed by current City activities and programs.

The City has developed an extensive, GIS based storm sewer atlas map and GPS inventory of the storm sewer system. The City has also purchased hardware and software to use and maintain the storm sewer GIS, including: 2 Panasonic CF29 Tough Book computers, work station and server, large format printers, 2 Trimble Geo XT handheld data collection units, and ESRI – ARCGIS 9.2, ARC Server and ARC Pad 7.1 software. The City's atlas is well beyond the minimum requirements of the NPDES Phase II program and is continually updated to reflect new development.

The Public Works Department utilizes a work order management system to document response to reports of illicit discharges (program activity codes #3715 and #5115).

The City of Rolling Meadows Fire Department investigates and responds to all reports of possible illicit discharges to storm sewer systems and HAZMAT spills, with support from the Illinois

Emergency Management Association upon request. The City documents, reports and assigns an incident number to all HAZMAT incidents.

The Public Works Department "Ordinance Violations Brochure" includes examples of illicit discharges to the storm sewer system from residential sources prohibited by Section 110-127 of the City Code.

The Community Development Department performs commercial property inspections designed to identify potential illicit discharges of pollutants from commercial sources and take enforcement action.

The City of Rolling Meadows and the Solid Waste Agency of Northern Cook County provides a comprehensive program to facilitate the proper handling and disposal of oil and household hazardous waste. SWANCC regularly coordinates "Household Hazardous Waste Collection" events that provide residents with the opportunity to bring paints, cleaning solvents, automotive products, old fuel, etc. to a collection location for pickup by a licensed hazardous waste hauler.

As part of the City's refuse collection program residents may bring used oil to a drop off location, where it is transferred to a spill containment storage tank for reclamation by the City's waste oil recycling contractor.

The City of Rolling Meadows Code of Ordinances Sections 110-127 and 110-65 prohibit the discharge of trash, sanitary water or industrial wastewater to the storm sewer system. Fines of not less than \$50.00 nor more than \$1,000.00 have been established for each violation. The Public Works Department has also published Section 110-127 in their Ordinance Violations Brochure that is available at the City Hall and the Public Works Department.

These programs relate to BMP numbers C.1, C.2, C.3, C.4, C.5, C.9 and C.10.

4. Construction Site Runoff Control:

The City of Rolling Meadows developed a comprehensive program during the original 5 year NOI permit period that addresses the Construction Site Runoff Control requirements of the NPDES Phase II program. Provided below are details outlining the program and the BMPs that are addressed by current City activities and programs.

The City of Rolling Meadows Code of Ordinances Section 38-171 requires a development permit for the following activities:

1. Excavation, fill, or any combination that exceeds 100 cubic yards,
2. Fill that exceeds three feet in vertical depth,
3. Excavation that exceeds four feet in vertical depth,
4. Excavation, fill, or any combination that exceeds 5,000 square feet, or
5. Plant cover is to be removed from an area exceeding 5,000 square feet on any vacant parcel or any parcel of land in excess of 10 acres.

All development projects that require a NOI for Construction Activities under NPDES Permit No. ILR10 are identified during the plan review process by the City Engineer. The City's permit procedure requires the applicant to verify submittal of a NOI to the Illinois Environmental Protection Agency Division of Water Pollution Control at least 30 days prior to the commencement of

construction.

The City's Public Works Department and City Engineer perform construction site inspection of erosion and sediment control measures to monitor conformance with NPDES Phase II Permit requirements. Any incidents of non-compliance or reports from residents are handled by the Public Works Department with the same procedures as reports from the Storm Water Hotline and the Citizens Report Form. These programs relate to BMP numbers D.1, D.2, D.4, D.5 and D.6.

5. Post-Construction Runoff Control:

The City of Rolling Meadows developed a comprehensive program during the original 5 year NOI permit period that addresses the Post-Construction Runoff Control requirements of the NPDES Phase II program. Provided below are details outlining the program and the BMPs that are addressed by current City activities and programs.

The City of Rolling Meadows Code of Ordinances Section 122-266 requires preservation and maintenance of open space for planned developments. This section requires that the open space shall be preserved by private reservation or dedication to the public. The City of Rolling Meadows will continue to enforce this non-structural BMP in its Code of Ordinances.

The City performs bi-weekly site inspections at new development and redevelopment projects to verify compliance with the runoff control requirements.

The City's existing requirements of the Municipal Code govern responsibility for long-term operation and maintenance of new storm sewer systems. The goal of this program is to assign responsibility for the maintenance of new storm sewer systems to a responsible party other than the City.

The Public Works Department continues to develop working files and review technical reports on structural and non-structural BMPs that can be incorporated into site development guidelines. The City Engineer reviewed and recommended structural and non-structural BMPs for all new development projects.

These programs relate to BMP numbers E.2, E.3, E.4, E.5 and E.6.

6. Pollution Prevention/Good Housekeeping:

The City of Rolling Meadows developed a comprehensive program during the original 5 year NOI permit period that addresses the Pollution Prevention/Good Housekeeping requirements of the NPDES Phase II program. The goal of this BMP is to identify current practices that contribute to stormwater pollution and implement programs and procedures for Public Works activities that curtail the discharge of pollutants to storm sewer systems. Provided below are details outlining the program and the BMPs that are addressed by current City activities and programs.

IEPA approved \$351,000 in grant funds for Salt Creek stream bank stabilization projects, which include a large portion of the shoreline on Kennedy Pond. The grant application approved also addresses Salt Creek shore erosion problems in two locations near Central Road and another west of Fox Lane. The project will reduce shore and stream bank erosion and improve water quality in the portion of Salt Creek that flows through Rolling Meadows. A contract has been approved with the

City Engineer for the final design and project specifications. Work on the project is expected to begin late spring or early summer 2008 and be completed by the end of the year.

In 2007 the City completed installation of an aeration system at Barker Lake to improve water quality and algae control.

Activities in the City's vehicle maintenance shop are a potentially significant source of pollutants. Procedures that address spill prevention, material management, and good housekeeping practices that limit pollution discharges from vehicle O & M activities in the vehicle services shop are part of our ongoing staff training and education program. Waste oil and anti-freeze storage tanks, and lead acid batteries awaiting pickup for recycling are located inside the vehicle shop and not exposed to storm water. Oil, hydraulic fluids, anti-freeze and cleaners are stored inside the building, well away from outside doors. Used oil dropped off by residents as part of the City's recycling program is stored outside in a spill containment tank. All used oil and anti-freeze is periodically picked up for off-site reclamation by a waste oil service. There are no "significant materials" which are exposed to storm water.

The City's street sweeping program has a direct beneficial impact on water quality. The City of Rolling Meadows maintains 121 miles of curb line. All streets are swept every 21-28 days April through November. In October and November street sweeping is performed more frequently (by contract) in key areas. The City's street sweeping program prevents substantial discharges of particulates/solids, phosphorus and petroleum based products to Salt Creek.

The City maintains public open space and right-of-way areas by contract. Use of herbicides for broadleaf weed control in turf is limited to locations receiving the highest levels of maintenance. Herbicides having exceptionally low toxicity to aquatic life are used exclusively. Fertilizer materials applied to turf are specified to be slow-release, minimizing the potential for pollution discharge in stormwater runoff. Certified operators make all applications of herbicides and fertilizers, which provide assurance that proper disposal practices and label instructions are followed. BMPs reflected in the City's landscape maintenance activities include triple rinsing of herbicide containers and application of the rinsate to the area being treated, spill prevention during storage, use minimization, application by licensed operators, and careful selection of pesticide materials to minimize any potential adverse water quality impact.

The Public Works Department provides weekly yard waste collection service to all single-family households. Brush collection is also conducted twice yearly in the spring and fall.

The City's litter control and waste disposal programs serve to protect water quality and enhance the visual aesthetics of the community. Outstanding levels of refuse collection and recycling service, and an emphasis on litter control and roadside maintenance contributes to Rolling Meadows reputation as a clean community. Despite substantial effort devoted to public education, litter removal, street sweeping and enforcement of ordinances, dumping of trash along Salt Creek, public right-of-way, and litter from other sources still enters the City's storm sewer system and ultimately is discharged to Salt Creek. The Public Works Department coordinates litter and debris removal with Cook County "Sheriff Work Alternative Program" (SWAP) participants to reduce the amount of litter and debris discharged to Salt Creek through the City's storm sewer system.

The City maintains 60 miles of underground storm sewer lines, 5 miles of open drainage ditches, 100 culverts, 3,000 catch basins and inlet structures, 1,500 storm sewer manholes, 43 outfalls, 11

miles of Salt Creek stream bank, and numerous detention and retention facilities. The City improves maintenance of the City's underground storm sewer system by cleaning catch basins, repairing catch basins/manholes and/or replacing catch basin inlets. The City's Underground Utilities Division also performs televising, cleaning and jetting, point repairs under 10', manhole cover replacement, and manages contractual work such as infiltration testing and detection of storm sewer connections to the sanitary sewer system.

In 2007 a report on current F.O.G. conditions was prepared and a 2-3 year high pressure water jetting program to prevent sanitary sewer overflows was recommended and implemented by the Division.

The Public Works Department also has an inspection program that was initiated during the original permit period. The goal of this BMP is to complete inspections of outfalls and detention/retention facilities once every three years. In Permit Year 5 the City completed inspection of all outfalls and detention/retention facilities. The inspection process included photo and written documentation of current conditions. Inspections were also made following large storm events to verify the working condition of storm sewer inlets and detention/retention basins.

The City of Rolling Meadows Public Works Department Employee Manual specifically addresses waste removal and environmentally conscious winter salt storage techniques by Public Works employees. In past years, the City has received the Excellence in Salt Storage Award from the National Salt Institute, which recognizes agencies with outstanding storage facilities and programs. Liquid calcium chloride is stored in fiberglass tanks. Consequently none of the deicing materials are exposed to storm water during storage and there is no threat of release to the storm sewer system. BMPs employed by the City prevent the discharge of pollutants to the Maximum Extent Practicable. These programs relate to BMP number F.1, F.2, F.3, F.4 and F.6.

Part F. Construction Projects Conducted During Year 8

(Provide a list of construction projects your entity has paid for during the reporting period.)

There were no projects greater than 1 acre funded by the City during Year 8.

General NPDES Permit No. ILR40

Illinois Environmental Protection Agency
Division of Water Pollution Control
1021 North Grand East
P.O. Box 19276
Springfield, Illinois 62794-9276

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

**General NPDES Permit
For
Discharges from Small Municipal Separate Storm Sewer Systems**

Expiration Date: March 31, 2014

Issue Date: February 20, 2009

Effective Date: April 1, 2009

In compliance with the provisions of the Illinois Environmental Protection Act, the Illinois Pollution Control Board Rules and Regulations (35 Ill. Adm. Code, Subtitle C, Chapter 1) and the Clean Water Act, the following discharges may be authorized by this permit in accordance with the conditions herein:

Discharges of only storm water from small municipal separate storm sewer systems, as defined and limited herein. Storm water means storm water runoff, snow melt runoff, and surface runoff and drainage.

Receiving waters: Discharges may be authorized to any surface water of the State.

To receive authorization to discharge under this general permit, a facility operator must submit an application as described in the permit conditions to the Illinois Environmental Protection Agency. Authorization, if granted, will be by letter and include a copy of this permit.



Alan Keller, P.E.
Manager, Permit Section
Division of Water Pollution Control

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PART I. COVERAGE UNDER THIS PERMIT

A. Permit Area

This permit covers all areas of the State of Illinois.

B. Eligibility

1. This permit authorizes discharges of storm water from small municipal separate storm sewer systems (MS4s) as defined in 40 CFR 122.26(b)(16) as designated for permit authorization pursuant to 40 CFR 122.32.
2. This permit authorizes the following non-storm water discharges provided they have been determined not to be substantial contributors of pollutants to a particular small MS4 applying for coverage under this permit:
 - water line and fire hydrant flushing,
 - landscape irrigation water,
 - rising ground waters,
 - ground water infiltration,
 - pumped ground water,
 - discharges from potable water sources, (excluding wastewater discharges from water supply treatment plants)
 - foundation drains,
 - air conditioning condensate,
 - irrigation water, (except for wastewater irrigation),
 - springs,
 - water from crawl space pumps,
 - footing drains,
 - storm sewer cleaning water,
 - water from individual residential car washing,
 - routine external building washdown which does not use detergents,
 - flows from riparian habitats and wetlands,
 - dechlorinated pH neutral swimming pool discharges,
 - residual street wash water,
 - discharges or flows from fire fighting activities
 - dechlorinated water reservoir discharges, and
 - pavement washwaters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed).
3. Any municipality covered by this general permit is also granted automatic coverage under Permit No. ILR10 for the discharge of storm water associated with construction site activities for municipal construction projects disturbing one acre or more. The permittee is granted automatic coverage 30 days after Agency receipt of a Notice of Intent to Discharge Storm Water from Construction Site Activities from the permittee. The Agency will provide public notification of the construction site activity and assign a unique permit number for each project during this period. The permittee shall comply with all the requirements of Permit ILR10 for all such construction projects.

C. Limitations on Coverage

The following discharges are not authorized by this permit:

1. Storm water discharges that are mixed with non-storm water or storm water associated with industrial activity unless such discharges are:
 - a. in compliance with a separate NPDES permit, or
 - b. identified by and in compliance with Part I.B.2 of this permit.
2. Storm water discharges that the Agency determines are not appropriately covered by this general permit. This determination may include discharges identified in Part 1.B.2.
3. Storm water discharges to any receiving water specified under 35 Ill. Adm. Code 302.105(d)(6).

D. Obtaining Authorization

In order for storm water discharges from small municipal separate storm sewer systems to be authorized to discharge under this general permit, a discharger must:

1. Submit a Notice of Intent (NOI) in accordance with the requirements of Part II using an NOI form provided by the Agency (or a photocopy thereof) or the appropriate U.S. EPA NOI form.
2. Submit a new NOI in accordance with Part II within 30 days of a change in the operator or the addition of a new operator.
3. Unless notified by the Agency to the contrary, submit an NOI in accordance with the requirements of this permit to be authorized to discharge storm water from small municipal separate storm sewer systems under the terms and conditions of this permit 30 days after the date that the NOI is received. The Agency may deny coverage under this permit and require submittal of an application for an individual NPDES permit based on a review of the NOI or other information.

PART II. NOTICE OF INTENT REQUIREMENTS

A. Deadlines for Notification

1. If you were automatically designated under 40 CFR 122.32(a)(1) to obtain permit coverage, then you were required to submit an NOI or apply for an individual permit by March 10, 2003.
2. If you have coverage under the previous general permit for storm water discharges from small MS4s, you must renew your permit coverage under this part. You must submit a NOI within 90 days of the effective date of this reissued general permit for storm water discharges from small MS4s to renew your NPDES permit coverage.
3. If you are designated by IEPA under Section 122.32 (a)(2) during the term of this general permit, then you are required to submit an NOI within 180 days of such notice.
4. You are not prohibited from submitting an NOI after established deadlines for NOI submittals. If a late NOI is submitted, your authorization is only for discharges that occur after permit coverage is granted. IEPA reserves the right to take appropriate enforcement actions against MS4s that have not submitted a timely NOI.

B. Contents of Notice of Intent

Dischargers seeking coverage under this permit shall submit either the Illinois MS4 NOI form or the U.S. EPA MS4 NOI form. The Notice(s) of Intent shall be signed in accordance with Standard Condition 11 of this permit and shall include the following information:

1. The street address, county, and the latitude and longitude of the municipal office for which the notification is submitted;
2. The name, address, and telephone number of the operator(s) filing the NOI for permit coverage;
3. The name of the receiving water(s), their impairments from any approved 303(d) list and any appropriate TMDL or alternate water quality study; and
4. The following shall be provided as an attachment to the NOI:
 - a. a description of the best management practices (BMPs) to be implemented and the measurable goals for each of the storm water minimum control measures in paragraph IV. B. of this permit designed to reduce the discharge of pollutants to the maximum extent practicable;

- b. the month and year in which you implemented any BMPs of the six minimum control measures, and the month and year in which you will start and fully implement any new minimum control measures or indicate the frequency of the action;
 - c. for existing permittees, provide adequate information or justification on any BMPs from previous NOIs that could not be implemented; and
 - d. identification of a local qualifying program, or any partners of the program if any.
5. For existing permittees, certification that states the permittee has implemented necessary BMPs of the six minimum control measures.
- C. All required information for the NOI shall be submitted electronically to the following email and office addresses:
epa.ms4noipermit@illinois.gov

Illinois Environmental Protection Agency
 Division of Water Pollution Control
 Permit Section
 Post Office Box 19276
 Springfield, Illinois 62794-9276

D. Shared Responsibilities

You may partner with other MS4s to develop and implement your storm water management program. You may also jointly submit an NOI with one or more MS4s. Each MS4 must fill out the NOI form. The description of your storm water management program must clearly describe which permittees are responsible for implementing each of the control measures. Each permittee is responsible for implementation of Best Management Practices for the Storm Water Management Program within its jurisdiction.

PART III. SPECIAL CONDITIONS

- A. Your discharges, alone or in combination with other sources, shall not cause or contribute to a violation of any applicable water quality standard outlined in 35 Ill. Adm. Code 302.
- B. If there is evidence indicating that the storm water discharges authorized by this permit cause, or have the reasonable potential to cause or contribute to a violation of water quality standards, you may be required to obtain an individual permit or an alternative general permit or the permit may be modified to include different limitations and/or requirements.
- C. If a total maximum daily load (TMDL) allocation or watershed management plan is approved for any water body into which you discharge, you must review your storm water management program to determine whether the TMDL or watershed management plan includes requirements for control of storm water discharges. If you are not meeting the TMDL allocations, you must modify your storm water management program to implement the TMDL or watershed management plan within eighteen months of notification by the Agency of the TMDL or watershed management plan approval. Where a TMDL or watershed management plan is approved, you must:
 - 1. Determine whether the approved TMDL is for a pollutant likely to be found in storm water discharges from your MS4.
 - 2. Determine whether the TMDL includes a pollutant waste load allocation (WLA) or other performance requirements specifically for storm water discharge from your MS4.
 - 3. Determine whether the TMDL addresses a flow regime likely to occur during periods of storm water discharge.
 - 4. After the determinations above have been made and if it is found that your MS4 must implement specific WLA provisions of the TMDL, assess whether the WLAs are being met through implementation of existing storm water control measures or if additional control measures are necessary.
 - 5. Document all control measures currently being implemented or planned to be implemented to comply with TMDL waste load allocation(s). Also include a schedule of implementation for all planned controls. Document the calculations or other evidence that shows that the WLA will be met.
 - 6. Describe and implement a monitoring program to determine whether the storm water controls are adequate to meet the WLA.
 - 7. If the evaluation shows that additional or modified controls are necessary, describe the type and schedule for the control additions/revisions.

8. Continue Paragraphs 4 above through 7 until two continuous monitoring cycles show that the WLAs are being met or that WQ standards are being met.
- D. If this permit is not reissued or replaced prior to the expiration date, it will be administratively continued in accordance with the Administrative Procedures Act and remain in force and effect. Any permittee who was granted permit coverage prior to the expiration date will automatically remain covered by the continued permit until the earlier of:
1. Reissuance or replacement of this permit, at which time you must comply with the Notice of Intent conditions of the new permit to maintain authorization to discharge; or
 2. Your submittal of a Notice of Termination; or
 3. Issuance of an individual permit for your discharges; or
 4. A formal permit decision by the Agency not to reissue this general permit at which time you must seek coverage under an alternative general permit or an Individual permit.
 5. The permittee shall submit a revised or updated NOI to the Agency no later than 180 days prior to the expiration date of this permit in order for permit coverage to be administratively continued.
- E. The Agency may require any person authorized to discharge by this permit to apply for and obtain either an individual NPDES permit or an alternative NPDES general permit. Any interested person may petition the Agency to take action under this paragraph. The Agency may require any owner or operator authorized to discharge under this permit to apply for an individual NPDES permit only if the owner or operator has been notified in writing that a permit application is required. This notice shall include a brief statement of the reasons for this decision, an application form, a statement setting a deadline for the owner or operator to file the application, and a statement that on the effective date of the individual NPDES permit or the alternative general permit as it applies to the individual permittee, coverage under this general permit shall automatically terminate. The Agency may grant additional time to submit the application upon request of the applicant. If an owner or operator fails to submit in a timely manner an individual NPDES permit application required by the Agency under this paragraph, then the applicability of this permit to the individual NPDES permittee is automatically terminated at the end of the day specified for application submittal.
- F. Any owner or operator authorized by this permit may request to be excluded from the coverage of this permit by applying for an individual permit. The owner or operator shall submit an individual application with reasons supporting the request, in accordance with the requirements of 40 CFR 122.28, to the Agency. The request will be granted by issuing an individual permit or an alternative general permit if the reasons cited by the owner or operator are adequate to support the request.
- G. When an individual NPDES permit is issued to an owner or operator otherwise subject to this permit, or the owner or operator is approved for coverage under an alternative NPDES general permit, the applicability of this permit to the individual NPDES permittee is automatically terminated on the issue date of the individual permit or the date of approval for coverage under the alternative general permit, whichever the case may be.
- H. When an individual NPDES permit is denied to an owner or operator otherwise subject to this permit, or the owner or operator is denied coverage under an alternative NPDES general permit the applicability of this permit to the individual NPDES permittee is automatically terminated on the date of such denial, unless otherwise specified by the Agency.

PART IV. STORM WATER MANAGEMENT PROGRAMS

A. Requirements

The permittee must develop, implement, and enforce a storm water management program designed to reduce the discharge of pollutants from your small municipal separate storm sewer system to the maximum extent practicable (MEP), to protect water quality, and to satisfy the appropriate water quality requirements of the Illinois Pollution Control Board Rules and Regulations (35 Ill. Adm. Code, Subtitle C, Chapter 1) and the Clean Water Act. Your storm water management program must include the minimum control measures described in section B of this Part. For new permittees, the permittee must develop and implement a program by the date specified in your coverage letter. The U.S. Environmental Protection Agency's National Menu of Storm Water Best Management Practices (<http://cfpub.epa.gov/npdes/stormwater/menuofbmps/index.cfm>) and the most recent version of the Illinois Urban Manual should be consulted regarding the selection of appropriate BMPs.

B. Minimum Control Measures

The 6 minimum control measures to be included in your storm water management program are:

1. Public education and outreach on storm water impacts

The permittee must:

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- a. implement a public education program to distribute educational materials to the community or conduct equivalent outreach activities about the impacts of storm water discharges on water bodies and the steps that the public can take to reduce pollutants in storm water runoff; the permittee should incorporate into its education materials information about green infrastructure strategies such as green roofs, rain gardens, rain barrels, bioswales, permeable piping, dry wells and permeable pavement, that mimic natural processes and direct storm water to areas where it can be infiltrated, evapotranspired or reused, discuss the benefits and costs of such strategies and provide guidance to the public on how to implement them; and
- b. define appropriate BMPs for this minimum control measure and measurable goals for each BMP. These measurable goals must ensure the reduction of all of the pollutants of concern in your storm water discharges to the maximum extent practicable.

2. Public Involvement/Participation

The permittee must:

- a. at a minimum, comply with State and local public notice requirements when implementing a public involvement/participation program; and
- b. define appropriate BMPs for this minimum control measure and measurable goals for each BMP, which must ensure the reduction of all of the pollutants of concern in your storm water discharges to the maximum extent practicable.

3. Illicit discharge detection and elimination

The permittee must:

- a. develop, implement and enforce a program to detect and eliminate illicit discharges into your small MS4;
- b. develop, if not already completed, a storm sewer system map, showing the location of all outfalls and the names and location of all waters that receive discharges from those outfalls;
- c. to the extent allowable under state or local law, effectively prohibit, through ordinance, or other regulatory mechanism, non-storm water discharges into your storm sewer system and implement appropriate enforcement procedures and actions, including enforceable requirements for the prompt reporting to the MS4 of all releases, spills and other unpermitted discharges to the separate storm sewer system, and a program to respond to such reports in a timely manner.
- d. develop, implement, and adequately fund a plan to detect and address non-storm water discharges, including illegal dumping, to your system;
- e. inform public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste and the requirement and mechanism for reporting such discharges;
- f. address the categories of non-storm water discharges listed in Section I.B.2 only if you identify them as significant contributor of pollutants to your small MS4 (discharges or flows from the fire fighting activities are excluded from the effective prohibition against non-storm water and need only be addressed where they are identified as significant sources of pollutants to waters of the United States); and
- g. define appropriate BMPs for this minimum control measure and measurable goals for each BMP. These measurable goals must ensure the reduction of all of the pollutants of concern in your storm water discharges to the maximum extent practicable.
- h. conduct periodic (annual is recommended) inspections of the storm sewer outfalls for detection of non-storm water discharges and illegal dumping.

4. Construction site storm water runoff control

The permittee must:

- a. develop, implement, and enforce a program to reduce pollutants in any storm water runoff to your small MS4 from construction activities that result in a land disturbance of greater than or equal to one acre. Control of storm water discharges from construction activity disturbing less than one acre must be included in your program if that construction activity is part of a larger common plan of development or sale that would disturb one acre or more or has been designated by the permitting authority.

Your program must include the development and implementation of, at a minimum:

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- i. an ordinance or other regulatory mechanism to require erosion and sediment controls, as well as sanctions to ensure compliance, to the extent allowable under state or local law;
 - ii. requirements for construction site operators to implement appropriate erosion and sediment control best management practices, including green infrastructure storm water management techniques where appropriate and practicable;
 - iii. requirements for construction site operators to control waste such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste at the construction site that may cause adverse impacts to water quality;
 - iv. require all regulated construction sites to have a storm water pollution prevention plan that meets the requirements of Part IV of NPDES permit No. ILR10 including management practices, controls, and other provisions at least as protective as the requirements contained in the Illinois Urban Manual, 2002, or as amended including green infrastructure techniques where appropriate and practicable;
 - v. procedures for site plan review which incorporate consideration of potential water quality impacts and review of individual pre-construction site plans to ensure consistency with local sediment and erosion control requirements;
 - vi. procedures for receipt and consideration of information submitted by the public; and
 - vii. procedures for site inspections and enforcement of control measures.
- b. define appropriate BMPs for this minimum control measure and measurable goals for each BMP. These measurable goals must ensure the reduction of all of the pollutants of concern in your storm water discharges to the maximum extent practicable.
5. Post-construction storm water management in new development and redevelopment

The permittee must:

- a. develop, implement, and enforce a program to address and minimize storm water runoff from new development and redevelopment projects that disturb greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development or sale or that have been designated to protect water quality, that discharge into your small MS4 within the MS4 jurisdictional control. Your program must ensure that appropriate controls are in place that would protect water quality and reduce the discharge of pollutants to the maximum extent practicable. In addition, each permittee should adopt strategies that incorporate storm water infiltration, reuse and evapotranspiration of storm water into the project to the maximum extent practicable;
- b. develop and implement strategies which include a combination of structural and/or non-structural BMPs appropriate for all projects within your community for all new development and redevelopment that will reduce the discharge of pollutants, the volume and velocity of storm water flow to the maximum extent practicable. When selecting BMPs to comply with requirements contained in this Part, the permittee should adopt one or more of the following general strategies, in order of preference. Proposal of a strategy should include a rationale for not selecting an approach from among those with a higher preference. When approving a plan for development, redevelopment, highway construction, maintenance, replacement or repair on existing developed sites or other land disturbing activity covered under this Part, the permittee should require the person responsible for that activity to adopt one or more of these strategies, in order of preference, or provide a rationale for selecting a more preferred strategy.
 - i. preservation of the natural features of development sites, including natural storage and infiltration characteristics;
 - ii. preservation of existing natural streams, channels, and drainage ways,
 - iii. minimization of new impervious surfaces;
 - iv. conveyance of storm water in open vegetated channels;
 - v. construction of structures that provide both quantity and quality control, with structures serving multiple sites being preferable to those serving individual sites; and
 - vi. construction of structures that provide only quantity control, with structures serving multiple sites being preferable to those serving individual sites.

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- c. develop and implement a program to minimize the volume of storm water runoff and pollutants from public highways, streets, roads, parking lots and sidewalks (public surfaces) through the use of BMPs that alone or in combination result in physical, chemical or biological pollutant load reduction, increased infiltration, evapotranspiration and reuse of storm water. The program shall include, but not be limited to the following elements:
- i. appropriate training for all MS4 employees who manage or are directly involved in (or who retain others who manage or are directly involved in) the routine maintenance, repair or replacement of public surfaces in current green infrastructure or low impact design techniques applicable to such projects.
 - ii. appropriate training for all contractors retained to manage or carry out routine maintenance, repair or replacement of public surfaces in current green infrastructure or low impact design techniques applicable to such projects. Contractors may provide training to their employees for projects which include green infrastructure or low impact design techniques.
- d. develop and implement a program to minimize the volume of storm water runoff and pollutants from existing privately owned developed property that contributes storm water to the MS4 within the MS4 jurisdictional control. Such program may contain the following elements:
- i. source identification – establishment of an inventory of storm water and pollutants discharged to the MS4
 - ii. implementation of appropriate BMPs to accomplish the following:
 - A. education on green infrastructure BMPs
 - B. identify a relevant set of BMPs for all departments
 - C. evaluation of existing flood control techniques to determine the feasibility of pollution control retrofits
 - D. implementation of additional controls for special events expected to generate significant pollution (fairs, parades, performances)
 - E. implementation of appropriate maintenance programs, including maintenance agreements, for structural pollution control devices or systems
 - F. management of pesticides and fertilizers
 - G. street cleaning in targeted areas
- e. use an ordinance or other regulatory mechanism to address post-construction runoff from new development and redevelopment projects, public surfaces and existing developed property as set forth above to the extent allowable under state or local law; and
- f. require all regulated construction sites to have post-construction management plans that meets or exceeds the requirements of Section IV (D)(2)(b) of NPDES permit No. ILR10 including management practices, controls, and other provisions at least as protective as the requirements contained in the Illinois Urban Manual, 2002;
- g. ensure adequate long-term operation and maintenance of BMPs; and
- h. define appropriate BMPs for this minimum control measure and measurable goals for each BMP. These measurable goals must ensure the reduction of all of the pollutants of concern in your storm water discharges to the maximum extent practicable.
6. Pollution prevention/good housekeeping for municipal operations

The permittee must:

- a. develop and implement an operation and maintenance program that includes a training component and is designed to prevent and reduce the discharge of pollutants to the maximum extent practicable;
- b. using training materials that are available from EPA, the state of Illinois, or other organizations, your program must include employee training to prevent and reduce storm water pollution from activities such as park and open space maintenance, fleet and building maintenance, operation of storage yards, snow disposal, new construction and land disturbances, and storm water system maintenance procedures for proper disposal of street cleaning debris and catch basin material, address ways that flood management projects impact water quality, non-point source pollution control, green infrastructure controls, and aquatic habitat; and
- c. define appropriate BMPs for this minimum control measure and measurable goals for each BMP. These measurable

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goals must ensure the reduction of all of the pollutants of concern in your storm water discharges to the maximum extent practicable.

C. Qualifying State, County, or Local Program

If an existing qualifying local program requires you to implement one or more of the minimum control measures of B. above, you may follow that qualifying program's requirements rather than the requirements of B. above. A qualifying local program is a local, county or state municipal storm water management program that imposes, at a minimum, the relevant requirements of Section B. Any qualifying local programs that you intend to follow shall be specified in your storm water management plan.

D. Sharing Responsibility

1. Implementation of one or more of the minimum measures may be shared with another entity, or the entity may fully take over the measure. You may rely on another entity only if:
 - a. the other entity, in fact, implements the control measure;
 - b. the particular control measure, or component of that measure is at least as stringent as the corresponding permit requirement;
 - c. the other entity agrees to implement the control measure on your behalf. Written acceptance of this obligation is expected. This obligation must be maintained as part of the description of your storm water management program. If the other entity agrees to report on the minimum measure, you must supply the other entity with the reporting requirements contained in Section V (C) of this permit. If the other entity fails to implement the control measure on your behalf, then you remain liable for any discharges due to that failure to implement.

E. Reviewing and Updating Storm Water Management Programs

1. **Storm Water Management Program Review:** You must do an annual review of your Storm Water Management Program in conjunction with preparation of the annual report required under Part V.(C).
2. **Storm Water Management Program Update:** You may change your Storm Water Management Program during the life of the permit in accordance with the following procedures:
 - a. changes adding (but not subtracting or replacing) components, controls, or requirements to the Storm Water Management Program may be made at any time upon written notification to the Agency; and
 - b. changes replacing an ineffective or unfeasible BMP specifically identified in the Storm Water Management Program with an alternate BMP may be requested at any time. Unless denied by the Agency, changes proposed in accordance with the criteria below shall be deemed approved and may be implemented 60 days from submittal of the request. If request is denied, the Agency will send you a written response giving a reason for the decision. Your modification requests must include the following:
 - i. an analysis of why the BMP is ineffective or infeasible (including cost prohibitive);
 - ii. expectations on the effectiveness of the replacement BMP; and
 - iii. an analysis of why the replacement BMP is expected to achieve the goals of the BMP to be replaced.
 - c. changes replacing or modifying any ordinances relative to the storm water management program;
 - d. change requests or notifications must be made in writing and signed in accordance with Standard Condition II of Attachment H.
3. **Storm Water Management Program Updates Required by the Agency.** The Agency may require changes to the Storm Water Management Program as needed to:
 - a. address impacts on receiving water quality caused, or contributed to, by discharges from the municipal separate storm sewer system;
 - b. include more stringent requirements necessary to comply with new federal statutory or regulatory requirements; or
 - c. include such other conditions deemed necessary by the Agency to comply with the goals and requirements of the Clean Water Act.

- d. changes requested by the Agency must be made in writing, set forth the time schedule for you to develop the changes, and offer you the opportunity to propose alternative program changes to meet the objective of the requested modification. All changes required by the Permitting Authority will be made in accordance with 40 CFR 124.5, 40 CFR 122.62, or as appropriate 40 CFR 122.63.

PART V. MONITORING, RECORDKEEPING AND REPORTING

A. Monitoring

The permittee must evaluate program compliance, the appropriateness of your identified best management practices, and progress towards achieving your identified measurable goals, which must include reducing the discharge of pollutants to the maximum extent practicable (MEP). Monitoring shall include at least annual monitoring of receiving waters upstream and downstream of the MS4 discharges, use of indicators to gauge the effects of storm water discharges on the physical/habitat-related aspects of the receiving waters, and/or monitoring of the effectiveness of BMPs.

B. Recordkeeping

The permittee must keep records required by this permit for the duration of this permit. All records shall be kept onsite or locally available and shall be made accessible to the Agency for review at the time of an on-site inspection. Except as otherwise provided in this permit, you must submit your records to the Agency only when specifically asked to do so. You must post your notice of intent (NOI), your storm water management plan and your annual reports on your website. You must make your records, including your notice of intent (NOI) and your storm water management plan, available to the public at reasonable times during regular business hours within 10 working days of its approval by the permitting authority. (You may assess a reasonable charge for copying. You may require a member of the public to provide advance notice, not to exceed seven working days.) Storm sewer maps may be withheld for security reasons.

C. Reporting

The permittee must submit annual reports to the Agency by the first day of June for each year that this permit is in effect. If the permittee maintains a website, a copy of the annual report shall be posted on the website by the first day of June of each year. Each report shall cover the period from March of the previous year through March of the current year. Your report must include:

1. The status of compliance with permit conditions, an assessment of the appropriateness of your identified best management practices and progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP, and your identified measurable goals for each of the minimum control measures;
2. Results of information collected and analyzed, including monitoring data, if any, during the reporting period;
3. A summary of the storm water activities you plan to undertake during the next reporting cycle (including an implementation schedule);
4. A change in any identified best management practices or measurable goals that apply to the program elements; and
5. Notice that you are relying on another government entity to satisfy some of your permit obligations (if applicable).
6. The annual reports shall be submitted to the following email and office addresses: epa.ms4annualinsp@illinois.gov.

Illinois Environmental Protection Agency
 Division of Water Pollution Control
 Compliance Assurance Section
 Municipal Annual Inspection Report
 1021 North Grand Avenue East
 P.O. Box 19276
 Springfield, Illinois 62794-9276

PART VI. DEFINITIONS AND ACRONYMS (SEE ALSO SPECIAL CONDITIONS)

All definitions contained in Section 502 of the Clean Water Act, 40 CFR 122, and 35 Ill. Adm. Code 309 shall apply to this permit and are incorporated herein by reference. For convenience, simplified explanations of some regulatory/statutory definitions have been provided, but in the event of a conflict, the definition found in the statute or regulation takes precedence.

Best Management Practices (BMPs) means structural or nonstructural controls, schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the state. BMPs also include treatment requirements, operating procedures, and practices to control runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

BMP is an acronym for "Best Management Practices."

CFR is an acronym for "Code of Federal Regulations."

Control Measure as used in this permit, refers to any Best Management Practice or other method used to prevent or reduce storm water runoff or the discharge of pollutants to waters of the State.

CWA or The Act means the Clean Water Act (formerly referred to as the Federal Water Pollution Control Act or Federal Water Pollution Control Act Amendments of 1972) Pub. L. 92-500, as amended Pub. L. 95-217, Pub. L. 95-576, Pub. L. 96-483 and Pub. L. 97-117, 33 U.S.C. 1251 et. seq.

Discharge, when used without a qualifier, refers to discharge of a pollutant as defined at 40 CFR 122.2.

Green Infrastructure means wet weather management approaches and technologies that utilize, enhance or mimic the natural hydrologic cycle processes of infiltration, evapotranspiration and reuse. Green infrastructure approaches currently in use include green roofs, trees and tree boxes, rain gardens, vegetated swales, pocket wetlands, infiltration planters, porous and permeable pavements, porous piping systems, dry wells, vegetated median strips, reforestation/revegetation, rain barrels and cisterns and protection and enhancement of riparian buffers and floodplains.

Illicit Connection means any man-made conveyance connecting an illicit discharge directly to a municipal separate storm sewer.

Illicit Discharge is defined at 40 CFR 122.26(b)(2) and refers to any discharge to a municipal separate storm sewer that is not composed entirely of storm water, except discharges authorized under an NPDES permit (other than the NPDES permit for discharges from the MS4) and discharges resulting from fire fighting activities.

MEP is an acronym for "Maximum Extent Practicable," the technology-based discharge standard for Municipal Separate Storm Sewer Systems to reduce pollutants in storm water discharges that was established by CWA Section 402(p). A discussion of MEP as it applies to small MS4s is found at 40 CFR 122.34.

MS4 is an acronym for "Municipal Separate Storm Sewer System" and is used to refer to a Large, Medium, or Small Municipal Separate Storm Sewer System (e.g. "the Dallas MS4"). The term is used to refer to either the system operated by a single entity or a group of systems within an area that are operated by multiple entities (e.g., the Houston MS4 includes MS4s operated by the city of Houston, the Texas Department of Transportation, the Harris County Flood Control District, Harris County, and others).

Municipal Separate Storm Sewer is defined at 40 CFR 122.26(b)(8) and means a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains): (i) Owned or operated by a State, city, town, borough, county, parish, district, association, or other public body (created by or pursuant to State law) having jurisdiction over disposal of sewage, industrial wastes, storm water, or other wastes, including special districts under State law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under Section 208 of the CWA that discharges to waters of the United States; (ii) Designed or used for collecting or conveying storm water; (iii) Which is not a combined sewer; and (iv) Which is not part of a Publicly Owned Treatment Works (POTW) as defined at 40 CFR 122.2.

NOI is an acronym for "Notice of Intent" to be covered by this permit and is the mechanism used to "register" for coverage under a general permit.

NPDES is an acronym for "National Pollutant Discharge Elimination System."

Outfall is defined at 40 CFR 122.26(b)(9) and means a point source as defined by 40 CFR 122.2 at the point where a municipal separate storm sewer discharges to waters of the United States and does not include open conveyances connecting two municipal storm sewers, or pipes, tunnels or other conveyances which connect segments of the same stream or other waters of the United States and are used to convey waters of the United States.

Owner or Operator is defined at 40 CFR 122.2 and means the owner or operator of any "facility or activity" subject to regulation under the NPDES program.

Permitting Authority means the Illinois EPA.

Point Source is defined at 40 CFR 122.2 and means any discernable, confined and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, landfill leachate collection system, vessel or other floating craft from which pollutants are or may be discharged. This term does not include return flows from irrigated agriculture or agricultural storm water runoff.

Qualifying Local Program is defined at 40 CFR 122.34(c) and means a local, state, or Tribal municipal storm water management program that imposes, at a minimum, the relevant requirements of paragraph (b) of Section 122.34.

Small Municipal Separate Storm Sewer System is defined at 40 CFR 122.26(b)(16) and refers to all separate storm sewers that are owned or operated by the United States, a State [sic], city, town, borough, county, parish, district, association, or other public body (created by or pursuant to State [sic] law) having jurisdiction over disposal of sewage, industrial wastes, storm water, or other wastes, including special districts under State law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under Section 208 of the CWA that discharges to waters of the United States, but is not defined as "large" or "medium" municipal separate storm sewer system. This term includes systems similar to separate storm sewer systems in municipalities, such as systems at military bases, large hospital or prison complexes, and highways and other thoroughfares. The term does not include separate storm sewers in very discrete areas, such as individual buildings.

Storm Water is defined at 40 CFR 122.26(b)(13) and means storm water runoff, snowmelt runoff, and surface runoff and drainage.

Storm Water Management Program (SWMP) refers to a comprehensive program to manage the quality of storm water discharged from the municipal separate storm sewer system.

SWMP is an acronym for "Storm Water Management Program."

TMDL is an acronym for "Total Maximum Daily Load."

Waters (also referred to as waters of the state or receiving water) is defined at Section 301.440 of Title 35: Subtitle C: Chapter I of the Illinois Pollution Control Board Regulations and means all accumulations of water, surface and underground, natural, and artificial, public and private, or parts thereof, which are wholly or partially within, flow through, or border upon the State of Illinois, except that sewers and treatment works are not included except as specially mentioned; provided, that nothing herein contained shall authorize the use of natural or otherwise protected waters as sewers or treatment works except that in-stream aeration under Agency permit is allowable.

"You" and "Your" as used in this permit is intended to refer to the permittee, the operator, or the discharger as the context indicates and that party's responsibilities (e.g., the city, the county, the flood control district, the U.S. Air Force, etc.).

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**Attachment H
Standard Conditions
Definitions**

Act means the Illinois Environmental Protection Act, 415 ILCS 5 as Amended.

Agency means the Illinois Environmental Protection Agency.

Board means the Illinois Pollution Control Board.

Clean Water Act (formerly referred to as the Federal Water Pollution Control Act) means Pub. L. 85-623, as amended. 33 U.S.C. 1251 et seq.

Clean Water Act (National Pollutant Discharge Elimination System) means the national program for issuing, modifying, revoking and reissuing, terminating, monitoring and enforcing permits, and imposing and enforcing pretreatment requirements, under Sections 307, 402, 318 and 405 of the Clean Water Act.

EPA means the United States Environmental Protection Agency.

Daily Discharge means the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in units of mass, the "daily discharge" is calculated as the total mass of a pollutant discharged over the day. For pollutants with limitations expressed in other units of measurements, the "daily discharge" is calculated as the average measurement of the pollutant over the day.

Maximum Daily Discharge Limitation (daily maximum) means the highest allowable daily discharge.

Average Monthly Discharge Limitation (30 day average) means the highest allowable average of daily discharges over a calendar month, calculated as the sum of all daily discharges measured during a calendar month divided by the number of daily discharges measured during that month.

Average Weekly Discharge Limitation (7 day average) means the highest allowable average of daily discharges over a calendar week, calculated as the sum of all daily discharges measured during a calendar week divided by the number of daily discharges measured during that week.

Best Management Practices (BMPs) means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the State. BMPs also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from material storage.

Composite Sample means a sample of specified volume used to make up a total composite sample.

Grab Sample means an individual sample of at least 100 milliliters collected at a randomly-selected time over a period not exceeding 15 minutes.

Hour Composite Sample means a combination of at least 8 sample aliquots of at least 100 milliliters, collected at periodic intervals during the operating hours of a facility over a 24-hour period.

Four Hour Composite Sample means a combination of at least 3 sample aliquots of at least 100 milliliters, collected at periodic intervals during the operating hours of a facility over an 8-hour period.

Flow Proportional Composite Sample means a combination of sample aliquots of at least 100 milliliters collected at periodic intervals such that either the time interval between each aliquot or the volume of each aliquot is proportional to either the stream flow at the time of sampling or the total stream flow since the collection of the previous aliquot.

1) **Duty to comply.** The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Act and is grounds for enforcement action, permit termination, revocation and reissuance, modification, or for denial of a permit renewal application. The permittee shall comply with effluent standards or prohibitions established under Section 307(a) of the Clean Water Act for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement.

2) **Duty to reapply.** If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and obtain a new permit. If the permittee submits a proper application as required by the Agency no later than 180 days prior to the expiration date, this permit shall continue in full force and effect until the final Agency decision on the application has been made.

3) **Need to halt or reduce activity not a defense.** It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

Duty to mitigate. The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

- (5) **Proper operation and maintenance.** The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with conditions of this permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up, or auxiliary facilities, or similar systems only when necessary to achieve compliance with the conditions of the permit.
- (6) **Permit actions.** This permit may be modified, revoked and reissued, or terminated for cause by the Agency pursuant to 40 CFR 122.62. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.
- (7) **Property rights.** This permit does not convey any property rights of any sort, or any exclusive privilege.
- (8) **Duty to provide information.** The permittee shall furnish to the Agency within a reasonable time, any information which the Agency may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. The permittee shall also furnish to the Agency, upon request, copies of records required to be kept by this permit.
- (9) **Inspection and entry.** The permittee shall allow an authorized representative of the Agency, upon the presentation of credentials and other documents as may be required by law, to:
- Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
 - Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
 - Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
 - Sample or monitor at reasonable times, for the purpose of assuring permit compliance, or as otherwise authorized by the Act, any substances or parameters at any location.
- (10) **Monitoring and records.**
- Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
 - The permittee shall retain records of all monitoring information, including all calibration and maintenance records, and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least 3 years from the date of this permit, measurement, report or application. This period may be extended by request of the Agency at any time.
 - Records of monitoring information shall include:
 - The date, exact place, and time of sampling or measurements;
 - The individual(s) who performed the sampling or measurements;
 - The date(s) analyses were performed;
 - The individual(s) who performed the analyses;
 - The analytical techniques or methods used; and
 - The results of such analyses.
 - Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit. Where no test procedure under 40 CFR Part 136 has been approved, the permittee must submit to the Agency a test method for approval. The permittee shall calibrate and perform maintenance procedures on all monitoring and analytical instrumentation at intervals to ensure accuracy of measurements.
- (11) **Signatory requirement.** All applications, reports or information submitted to the Agency shall be signed and certified.
- Application. All permit applications shall be signed as follows:
 - For a corporation: by a principal executive officer of at least the level of vice president or a person or position having overall responsibility for environmental matters for the corporation;
 - For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or

- (3) For a municipality, State, Federal, or other public agency: by either a principal executive officer or ranking elected official.
- (b) **Reports.** All reports required by permits, or other information requested by the Agency shall be signed by a person described in paragraph (a) or by a duly authorized representative of that person. A person is a duly authorized representative only if:
- (1) The authorization is made in writing by a person described in paragraph (a); and
- (c) **Changes of Authorization.** If an authorization under (b) is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of (b) must be submitted to the Agency prior to or together with any reports, information, or applications to be signed by an authorized representative.
- (12) **Reporting requirements.**
- (a) **Planned changes.** The permittee shall give notice to the Agency as soon as possible of any planned physical alterations or additions to the permitted facility.
 - (b) **Anticipated noncompliance.** The permittee shall give advance notice to the Agency of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
 - (c) **Compliance schedules.** Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.
 - (d) **Monitoring reports.** Monitoring results shall be reported at the intervals specified elsewhere in this permit.
 - (1) Monitoring results must be reported on a Discharge Monitoring Report (DMR).
 - (2) If the permittee monitors any pollutant more frequently than required by the permit, using test procedures approved under 40 CFR 136 or as specified in the permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR.
 - (3) Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified by the Agency in the permit.
 - (e) **Twenty-four hour reporting.** The permittee shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and time; and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. The following shall be included as information which must be reported within 24 hours:
 - (1) Any unanticipated bypass which exceeds any effluent limitation in the permit;
 - (2) Violation of a maximum daily discharge limitation for any of the pollutants listed by the Agency in the permit to be reported within 24 hours.

The Agency may waive the written report on a case-by-case basis if the oral report has been received within 24 hours.
 - (f) **Other noncompliance.** The permittee shall report all instances of noncompliance not reported under paragraphs (12)(c), (d), or (e), at the time monitoring reports are submitted. The reports shall contain the information listed in paragraph (12)(e).
 - (g) **Other information.** Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application, or in any report to the Agency, it shall promptly submit such facts or information.
- (13) **Transfer of permits.** A permit may be automatically transferred to a new permittee if:
- (a) The current permittee notifies the Agency at least 30 days in advance of the proposed transfer date;
 - (b) The notice includes a written agreement between the existing and new permittees containing a specific date for transfer of permit responsibility, coverage and liability between the current and new permittees; and
 - (c) The Agency does not notify the existing permittee and the proposed new permittee of its intent to modify or revoke and reissue the permit. If this notice is not received, the transfer is effective on the date specified in the agreement.
- (2) The authorization specifies either an individual or a position responsible for the overall operation of the facility, from which the discharge originates, such as a plant manager, superintendent or person of equivalent responsibility; and
 - (3) The written authorization is submitted to the Agency.
- (14) All manufacturing, commercial, mining, and silvicultural dischargers must notify the Agency as soon as they know or have reason to believe:
- (a) That any activity has occurred or will occur which would result in the discharge of any toxic pollutant identified under Section 307 of the Clean Water Act which is not limited in the permit, if that discharge will exceed the highest of the following notification levels:
 - (1) One hundred micrograms per liter (100 ug/l);
 - (2) Two hundred micrograms per liter (200 ug/l) for acrolein and acrylonitrile; five hundred micrograms per liter (500 ug/l) for 2,4-dinitrophenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter (1 mg/l) for antimony.
 - (3) Five (5) times the maximum concentration value reported for that pollutant in the NPDES permit application; or
 - (4) The level established by the Agency in this permit.
 - (b) That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant which was not reported in the NPDES permit application.
- (15) All Publicly Owned Treatment Works (POTWs) must provide adequate notice to the Agency of the following:
- (a) Any new introduction of pollutants into that POTW from an indirect discharge which would be subject to Sections 301 or 308 of the Clean Water Act if it were directly discharging those pollutants; and
 - (b) Any substantial change in the volume or character of pollutants being introduced into that POTW by a source introducing pollutants into the POTW at the time of issuance of the permit.
 - (c) For purposes of this paragraph, adequate notice shall include information on (i) the quality and quantity of effluent introduced into the POTW, and (ii) any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW.
- (16) If the permit is issued to a publicly owned or publicly regulated treatment works, the permittee shall require any industrial user of such treatment works to comply with federal requirements concerning:
- (a) User charges pursuant to Section 204(b) of the Clean Water Act, and applicable regulations appearing in 40 CFR 35;
 - (b) Toxic pollutant effluent standards and pretreatment standards pursuant to Section 307 of the Clean Water Act; and
 - (c) Inspection, monitoring and entry pursuant to Section 308 of the Clean Water Act.
- (17) If an applicable standard or limitation is promulgated under Section 301(b)(2)(C) and (D), 304(b)(2), or 307(a)(2) and that effluent standard or limitation is more stringent than any effluent limitation in the permit, or controls a pollutant not limited in the permit, the permit shall be promptly modified or revoked, and reissued to conform to that effluent standard or limitation.
- (18) Any authorization to construct issued to the permittee pursuant to 35 Ill. Adm. Code 309.154 is hereby incorporated by reference as a condition of this permit.
- (19) The permittee shall not make any false statement, representation or certification in any application, record, report, plan or other document submitted to the Agency or the USEPA, or required to be maintained under this permit.
- (20) The Clean Water Act provides that any person who violates a permit condition implementing Sections 301, 302, 306, 307, 308, 318, or 405 of the Clean Water Act is subject to a civil penalty not to exceed \$10,000 per day of such violation. Any person who willfully or negligently violates permit conditions implementing Sections 301, 302, 306, 307, or 308 of the Clean Water Act is subject to a fine of not less than \$2,500 nor more than \$25,000 per day of violation, or by imprisonment for not more than one year, or both.
- (21) The Clean Water Act provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under permit shall, upon conviction, be punished by a fine of not more than \$10,000 per

violation, or by imprisonment for not more than 6 months per violation, or by both.

- 22) The Clean Water Act provides that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit shall, including monitoring reports or reports of compliance or non-compliance shall, upon conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than 6 months per violation, or by both.
- 23) Collected screenings, slurries, sludges, and other solids shall be disposed of in such a manner as to prevent entry of those wastes (or runoff from the wastes) into waters of the State. The proper authorization for such disposal shall be obtained from the Agency and is incorporated as part hereof by reference.
- 24) In case of conflict between these standard conditions and any other condition(s) included in this permit, the other condition(s) shall govern.
- 25) The permittee shall comply with, in addition to the requirements of the permit, all applicable provisions of 35 Ill. Adm. Code, Subtitle C, Subtitle D, Subtitle E, and all applicable orders of the Board.
- 26) The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit is held invalid, the remaining provisions of this permit shall continue in full force and effect.

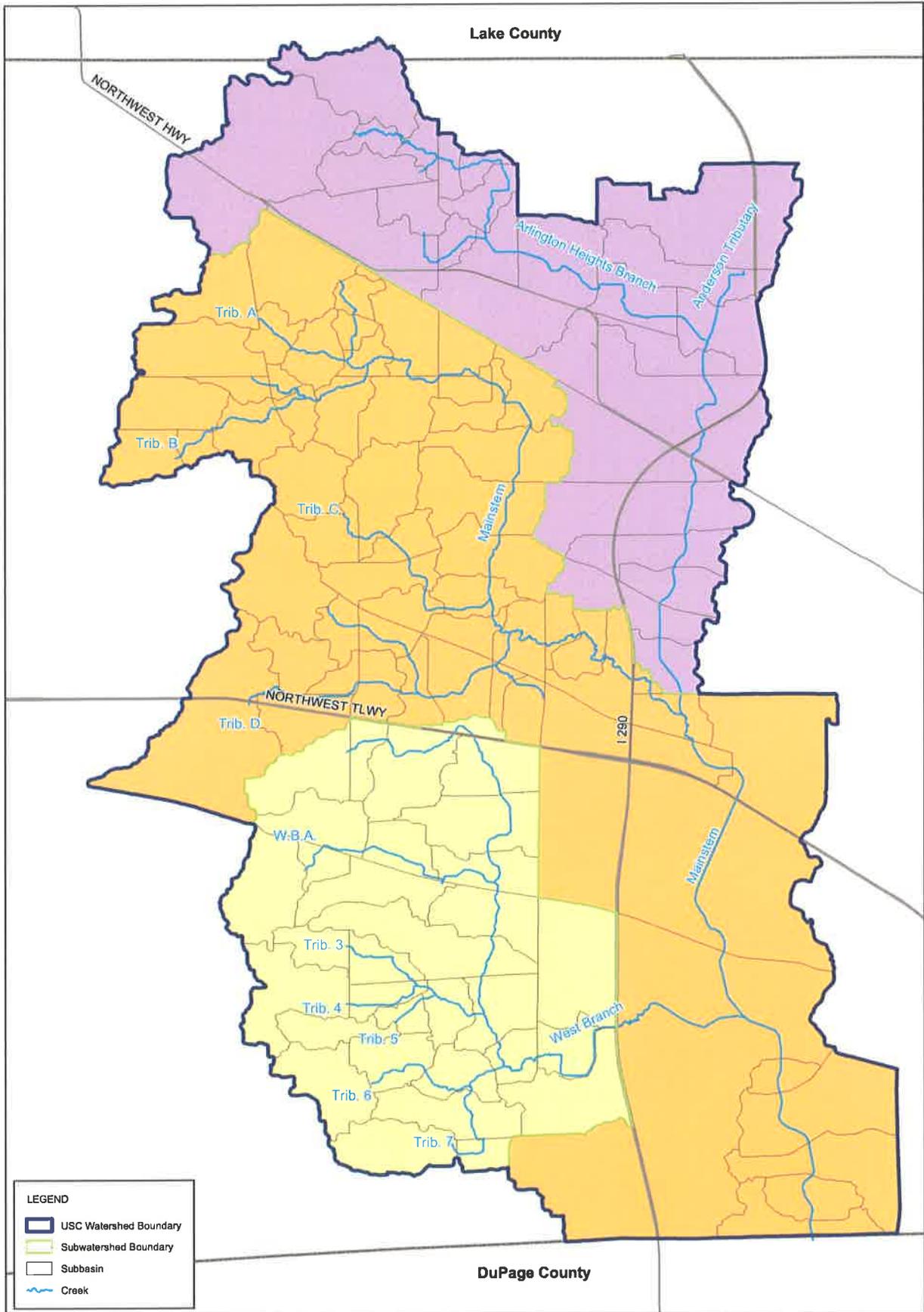


Figure 2.3.2
Upper Salt Creek Watershed Subwatersheds

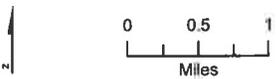
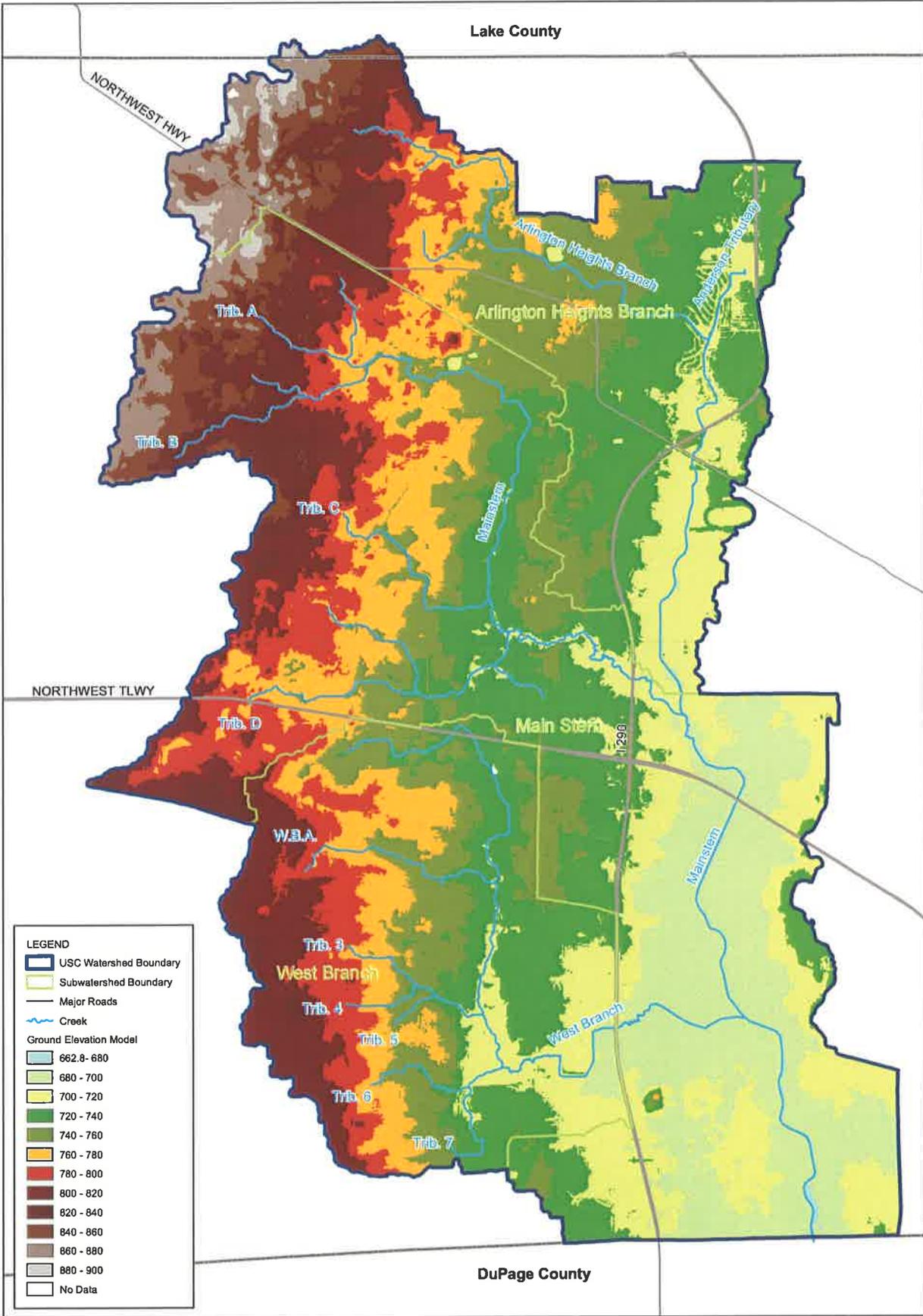


Figure 2.3.3
Upper Salt Creek Watershed Topography and Drainage Network

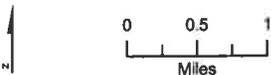
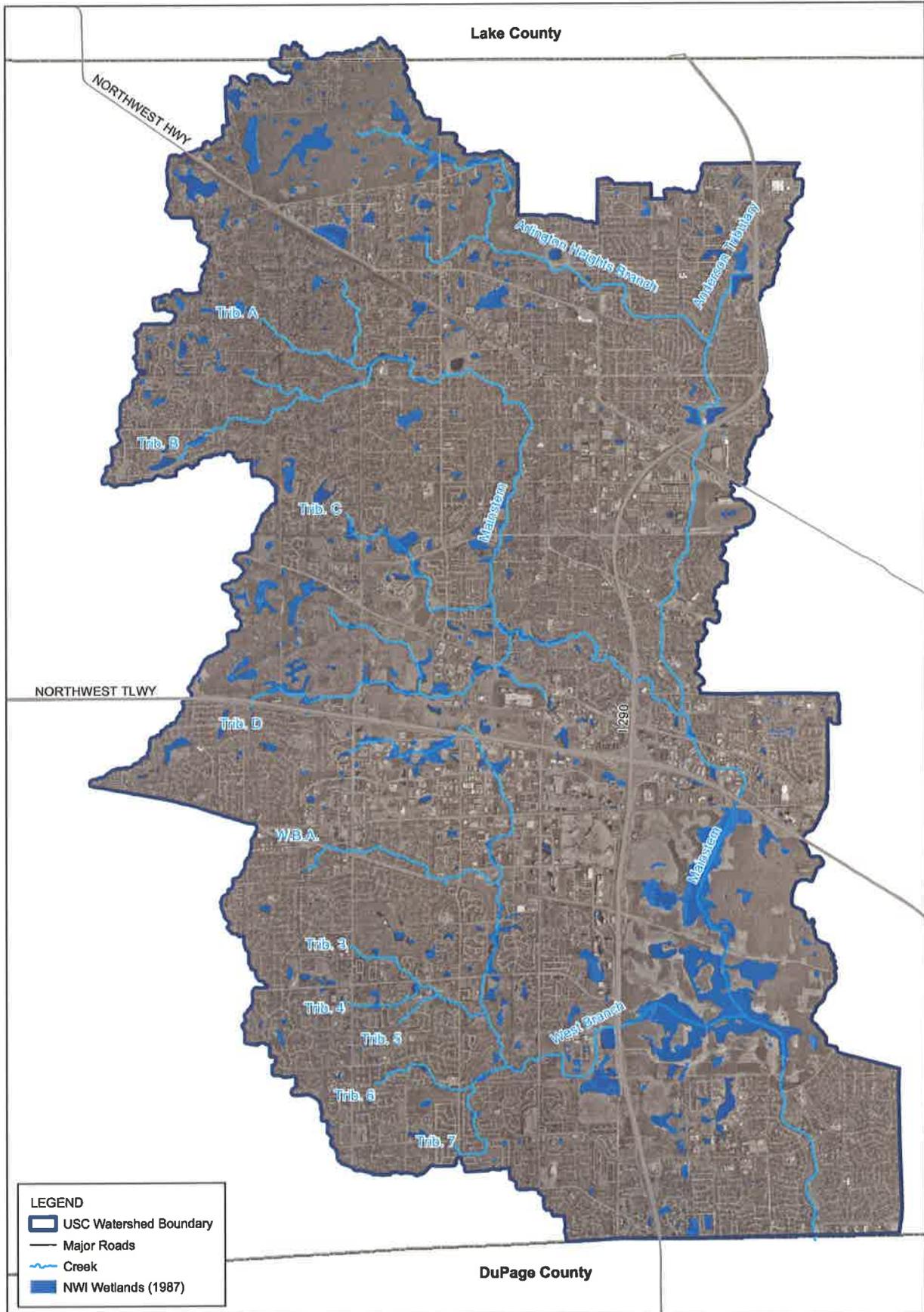
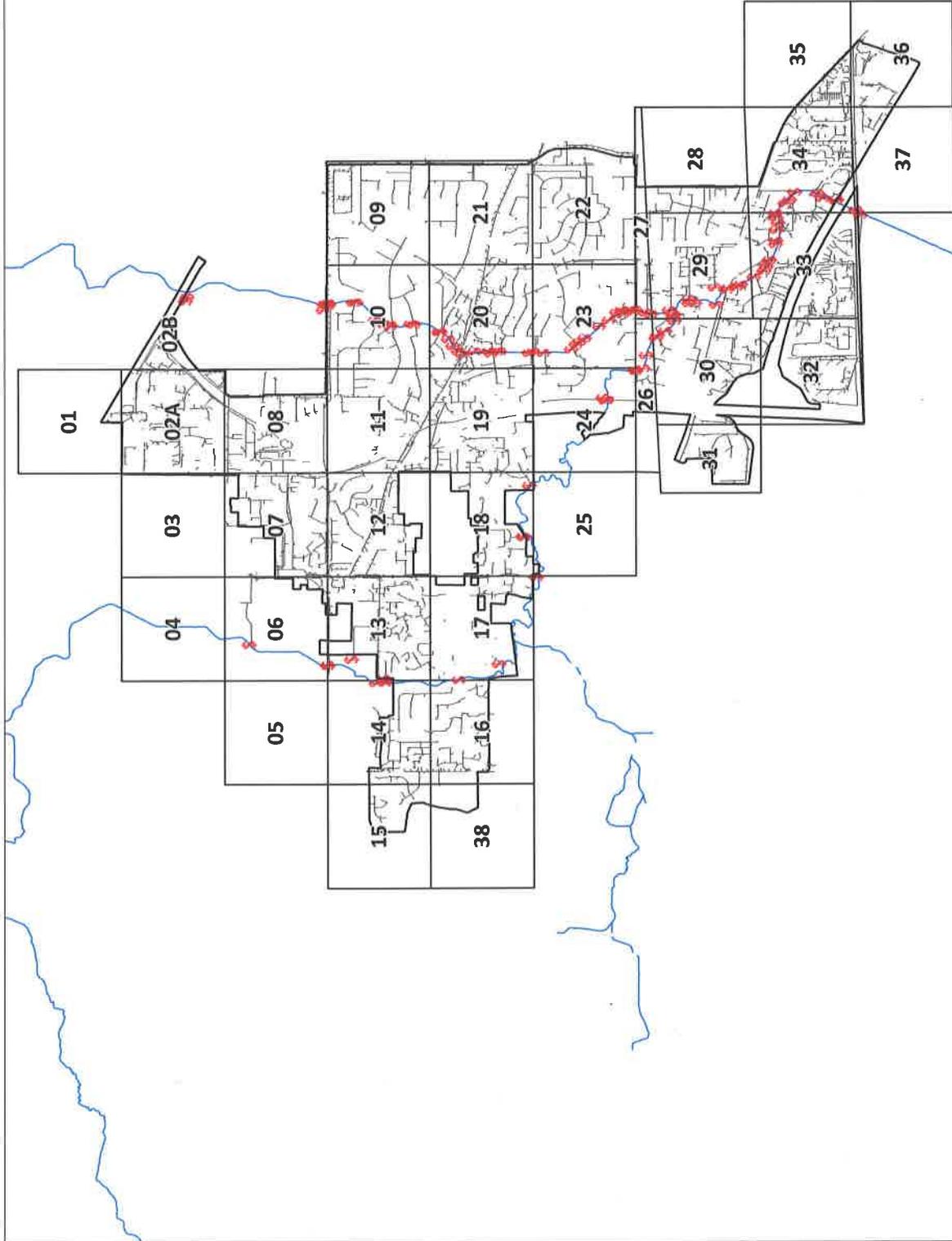


Figure 2.3.8.1
Upper Salt Creek Watershed National Wetland Inventory

F



PROJECT NO. 85-0618005
 SHEET 29 OF 38
 DRAWING NO. STORM SHEET 29

OUTFALL SHEET INDEX

DESIGN	TITLE
DESIGN	
DWA	
CHKD	
SCALE	

CITY OF ROLLING MEADOWS
 3600 WIRCHOFF ROAD
 ROLLING MEADOWS, ILLINOIS 60008

CHRISTOPHER B. BURKE ENGINEERING LTD.
 8575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500



City of Rolling Meadows
2011 Outfall Inventory Inspections

Structure ID	y	x	z	code	field_comm	DateLocate
1249	1976967.0814	1061077.8396	725.1521	309		
5254	1974334.3578	1060699.1235	721.4605	300		1/2/2003
5281	1973508.4213	1060205.0313	723.1700	309		1/2/2003
5282	1973497.3155	1060125.4120	721.4750	300		1/7/2003
5283	1973478.2490	1060090.2112	720.6110	300		1/7/2003
5956	1969599.0089	1062795.4991	715.0435	309		1/7/2003
6138	1970558.7372	1060567.1178	718.9823	309		1/9/2003
6167	1971582.0392	1060171.0897	718.1116	309		1/10/2003
8527	1970740.4905	1068560.3974	696.9529	309	42CM	4/25/2003
8560	1969770.2249	1068573.0642	696.4033	300	36PV	4/25/2003
8719	1969767.4293	1065162.3182	705.8796	309	36CM	5/28/2003
14156	1978593.5710	1069928.4800	706.2350	300	48 CMP	
14157	1978598.0560	1069929.9170	706.1370	300	48 CMP	
14162	1978548.1470	1070041.2190	705.1300	300	48 CMP	
14163	1978543.8910	1070039.9610	705.0720	300	48 CMP	
14885	1969899.9090	1063828.1830	709.2990	309	18RCP	6/10/2003
14923	1969938.6820	1063845.1450	707.9910	309	12RCP	6/10/2003
15700	1974948.9239	1060535.2276	723.6430	310	15RC	7/18/2003
16224	1967512.0305	1069617.7719	697.0340	309		3/12/2008
16225	1967382.8878	1069666.9779	697.1342	309		3/12/2008
16232	1967124.2540	1069682.6217	698.1025	309		3/12/2008
16242	1967354.5637	1069569.7580	695.6528	309		3/12/2008
16246	1967700.1568	1069418.2423	693.6016	300		3/12/2008
16251	1968465.1648	1068862.2779	695.5937	300		3/12/2008
16254	1968342.6004	1068956.0427	694.6374	300		3/12/2008
16257	1967965.8041	1069259.1012	694.2681	300		3/12/2008
16301	1973706.5418	1060085.7309	719.2360	310		7/16/2007
18041	1971153.8943	1068618.7096	706.9716	300		3/5/2008
18042	1970794.2431	1068619.7678	705.8694	300		3/5/2008
18118	1970597.2223	1068611.7923	700.7497	300		3/6/2008
18170	1971478.0712	1068539.8149	699.6182	309		3/7/2008
18227	1971724.3990	1068755.8623	699.5288	300		3/10/2008
18257	1971836.3753	1068934.9627	698.2935	310		3/10/2008
18357	1972037.6363	1069124.8722	698.9712	300		3/12/2008
20670	1963955.1365	1070522.0803	688.5072	300		4/3/2008
20719	1963570.2476	1070947.3113	689.6843	309		4/4/2008
20720	1963559.2021	1070961.8195	687.7703	300		4/4/2008
20736	1963636.4208	1070790.2910	686.3748	300		4/4/2008
20737	1963693.7707	1070680.7764	693.0440	300		4/4/2008
20753	1963398.0409	1071366.6649	689.2157	300		4/4/2008
20798	1963385.3593	1071462.2649	686.7577	309		4/7/2008
20803	1963382.1959	1071734.2402	688.3412	309		4/7/2008
20805	1963395.7627	1072066.2394	688.0600	309		4/7/2008
20826	1963400.5643	1072172.9785	682.3172	300		4/7/2008

City of Rolling Meadows
2011 Outfall Inventory Inspections

Structure ID	y	x	z	code	field_comm	DateLocate
20848	1963335.8655	1071919.2252	686.5629	300		4/10/2008
21221	1963159.2450	1072413.0260	694.5341	309		4/23/2008
21222	1963041.8640	1072509.3960	691.6535	309		4/23/2008
21243	1962206.5700	1072553.1340	686.5590	300		4/23/2008
21253	1962324.8230	1072685.5570	686.7603	300		4/23/2008
21302	1961855.6690	1072479.9890	686.7398	300		4/24/2008
21303	1961837.1540	1072511.9140	687.3629	300		4/24/2008
21892	1962912.8080	1072712.8530	683.3897	300		5/1/2008
22154	1961231.4547	1072113.0443	681.8363	300		5/6/2008
22155	1961345.2694	1072243.8003	684.7835	300		5/6/2008
25044	1966825.9065	1068166.1910	702.5844	309		3/25/2008
25557	1965645.2906	1069962.1877	694.1348	309		4/3/2008
25570	1964977.1612	1070245.1524	689.7932	309		4/3/2008
25660	1964625.7903	1070242.4816	687.7493	300		4/4/2008
25701	1964297.6062	1070331.7881	688.3947	300		4/7/2008
25702	1964396.1909	1070279.2917	689.6909	300		4/7/2008
25703	1964426.3028	1070264.5664	691.6741	300		4/7/2008
25751	1964675.1644	1070192.4626	690.2566	300		4/8/2008
25755	1964932.0908	1069804.7731	689.5067	309		4/8/2008
25782	1965638.9692	1069844.9238	694.9675	300		4/8/2008
25783	1965493.4394	1069848.8358	693.7299	300		4/8/2008
25793	1966019.3391	1069554.3600	691.6167	300		4/8/2008
25794	1966067.5601	1069556.5218	692.2379	300		4/8/2008
25798	1966621.2713	1069571.8248	692.4897	309		4/8/2008
25809	1966764.0410	1069610.2202	692.2651	300		4/8/2008
25855	1966153.0985	1069670.9872	691.0060	309		4/9/2008
25885	1966455.5868	1069026.0117	695.4443	309		4/10/2008
25897	1966749.0150	1068508.7212	696.5907	309		4/10/2008
25972	1966491.6360	1068946.0630	695.9768	300		5/9/2008
26019	1966025.9870	1069394.6640	690.9952	300		5/9/2008
26032	1966249.7888	1069130.2659	691.8858	300		4/14/2008
50080	1974202.3157	1069896.0166	699.4911	300		3/13/2007
50480	1974924.7726	1069869.8637	703.3597	300		3/19/2007
50481	1974917.9765	1069818.1369	702.9355	300		3/19/2007
50482	1974925.0969	1069823.3016	703.0809	300		3/19/2007
50483	1975011.3302	1069834.4361	703.1968	303		3/19/2007
50484	1975011.4080	1069846.9171	703.2326	303		3/19/2007
50485	1975011.2704	1069858.7061	703.2302	303		3/19/2007
50486	1975011.3283	1069835.2125	697.9816	303		3/19/2007
50487	1974930.5905	1069835.9142	697.6951	303		3/19/2007
50488	1974930.6040	1069835.9518	703.0194	303		3/19/2007
50489	1974930.1454	1069846.8667	702.9658	303		3/19/2007
50490	1974930.6565	1069857.8840	702.9652	303		3/19/2007
50595	1975056.0895	1069691.0056	703.3927	309		3/20/2007

City of Rolling Meadows
2011 Outfall Inventory Inspections

Structure ID	y	x	z	code	field_comm	DateLocate
50684	1973705.7542	1069437.5771	701.5745	309		3/21/2007
50685	1973608.9505	1069397.0157	700.5133	309		3/21/2007
50694	1973477.1879	1069326.0298	701.5649	309		3/21/2007
50698	1973321.1493	1069262.7789	699.9397	309		3/21/2007
50713	1973318.1447	1069310.3991	700.0757	309		3/21/2007
50751	1974279.5643	1069882.5076	700.7784	309		3/22/2007
50789	1972076.5667	1069112.6229	699.7532	309		3/22/2007
50854	1972047.4072	1069139.4113	699.4265	309		3/23/2007
50895	1972793.8903	1069332.5347	698.3936	309		3/23/2007
51826	1967859.4183	1067418.2318	709.0940	300		4/7/2007
52090	1971580.0220	1068622.9680	699.3180	300		3/21/2007
52237	1970522.3340	1068613.4950	697.6030	309		3/23/2007
52565	1969403.1766	1068572.8955	695.0350	309		4/2/2007
52615	1968684.1509	1068662.5594	695.6450	309		4/2/2007
52666	1969662.1203	1068600.9097	696.6496	309		4/3/2007
52681	1968566.3157	1068790.3201	694.6136	309		4/3/2007
52834	1967083.7878	1069632.9002	704.9385	309		4/5/2007
52853	1967026.3016	1068132.4316	697.4168	309		4/5/2007
52911	1967018.4565	1069675.1725	693.0692	309		4/6/2007
52957	1967817.0133	1067343.9047	699.4395	300	SHOT TOP OF WALL	4/7/2007
52958	1967759.1314	1067356.4021	702.4570	300	SHOT TOP OF WALL	4/7/2007
52969	1967019.9279	1068097.5088	694.5811	309		4/7/2007
54005	1972716.3382	1069316.9940	698.8562	309		5/3/2007
200229	1974948.2078	1060569.6524	719.3369	300		3/20/2003

Status of Compliance with Permit Conditions

The status of BMPs and measurable goals performed by the City are described below.

BMP No. A.1 – Distibuted Paper Material

Brief Description of BMP:

The City of Rolling Meadows will continue to produce and make available brochures on a variety of stormwater related topics. These brochures and informational materials are made available for the public at the City facilities.

BMP No. A.3 – Public Service Announcement

Brief Description of BMP:

The City of Rolling Meadows will continue to include a stormwater and/or ambient water quality related articles in the City's monthly newsletter, "News & Views".

BMP No. A.4 – Community Event

Brief Description of BMP:

The Public Works Department holds a Public Open House approximately every 3-5 years to gather valuable community input and provide information to residents. The Public Works Department will hold another Open House within the next 5 years.

BMP No. A.6 – Other Public Involvement

Brief Description of BMP:

The City of Rolling Meadows will continue to monitor the links on the City website that provide stormwater management information and other waste related information to residents. The City will update or modify the links as needed or as additional information becomes available.

BMP No. B.2, B.5, and B.6 – Educational Volunteer, Volunteer Monitoring, and Program Coordination

Brief Description of BMP:

The City of Rolling Meadows will continue to support local schools and/or civic groups by providing coordination, supplies and/or training for water quality and stream enhancement activities.

BMP No. B.3 – Stakeholder Meeting

Brief Description of BMP:

The City's Public Works Department staff participates in the Salt Creek/Poplar Creek Watershed Planning Council. This is one of seven groups established by the Metropolitan Water Reclamation District to address stormwater management needs in Cook County. The Director of Public Works serves on the Salt Creek/Poplar Creek Watershed Planning Council Executive Committee. Involvement of local officials in stormwater management programs at the county and regional level aids in creating greater awareness and understanding of pollution control and water quality issues.

BMP No. B.7 – Other Public Involvement

Brief Description of BMP:

The City of Rolling Meadows will continue to provide the Citizens Report Form on the Public Works Department website to allow reporting of illicit discharges to the storm sewer system and maintenance problems associated with ponds, streams or outfalls. The Citizens Report Form allows residents of Rolling Meadows to electronically submit notification of infrastructure problems directly to the Public Works Department.

BMP No. C.1 – Storm Sewer Map Preparation

Brief Description of BMP:

The City has developed an extensive, GIS based storm sewer atlas map and GPS inventory of the storm sewer system.

BMP No. C.2, C.3, C.4, C.5 – Regulatory Control Program, Detection/Elimination Prioritization Plan, Illicit Discharge Tracing Procedures, Illicit Source Removal Procedures

Brief Description of BMP:

The Public Works Department utilizes a work order management system for handling the report of a possible illicit discharge to storm sewer systems. The City of Rolling Meadows Fire Department Hazardous Materials Unit responds to hazardous spills or discharges that may enter the storm sewer system. The Hazardous Materials Unit produces reports of these discharges and they are tracked and assigned an incident number. The Citizens Report Form on the Public Works website and the Community Development Department Health Inspection Forms can also be used to report illicit discharges.

BMP No. C.9 – Public Notification

Brief Description of BMP:

The City of Rolling Meadows Public Works Ordinance Violation Brochure is available at the Public Works Department and City Hall and explains Public Works Ordinance Violations. The brochure includes examples of illicit discharges to the storm sewer system from residential sources prohibited by the City Code.

BMP No. C.10 – Other Illicit Discharge Controls

Brief Description of BMP:

The City of Rolling Meadows Community Development Department Health Inspection Forms specifically addresses non-stormwater discharges into the storm sewer system from commercial sources (e.g. restaurant grease traps).

BMP No. D.1, D.4 – Regulatory Control Program, Site Plan Review Procedures

Brief Description of BMP:

All development projects over 1 acre require a NOI for Construction Activities under NPDES Permit No. ILR10 are identified during the plan review process by the City Engineer. The City's

permit procedure requires the applicant to verify submittal of a NOI to the Illinois Environmental Protection Agency Division of Water Pollution Control at least 30 days prior to the commencement of construction.

BMP No. D.2, D.5, D.6 – Erosion and Sediment Control BMPs, Public Information Handling Procedures, Site Inspection/Enforcement Procedures

Brief Description of BMP:

The City's Public Works Department and City Engineer perform construction site inspection of erosion and sediment control measures to monitor conformance with NPDES Phase II Permit requirements. Any incidents of non-compliance or reports from residents are handled by the Public Works Department with the same procedures as reports from the Storm Water Hotline and the Citizens Report Form.

BMP No. E.2, E.4 – Regulatory Control Program, Pre-Construction Review of BMP Designs

Brief Description of BMP:

The City's Code requires that the site design for development projects that disturb greater than one acre must have in place controls that would protect water quality and reduce the discharge of pollutants for the life of the development project. The City Engineer reviews structural and non-structural BMPs for all new development projects BMPs to verify they meet the goals of the City Code and the specific project site. The Public Works Department also continues to develop working files and review technical reports on structural and non-structural BMPs that can be incorporated into site development guidelines.

BMP No. E.3 – Long Term O&M Procedures

Brief Description of BMP:

The City Code contains language and enforcement procedures to require long-term stormwater facility maintenance agreements for new development and redevelopment projects.

BMP No. E.5, E.6 – Site Inspections During Construction, Post-Construction Inspections

Brief Description of BMP:

The City performs bi-weekly site inspections during and after construction at new development and redevelopment projects to verify compliance with the runoff control requirements.

BMP No. F.1, F.3, F.4 – Employee Training Program, Muni Operations Storm Water Control, Municipal Operations Waste Disposal

Brief Description of BMP:

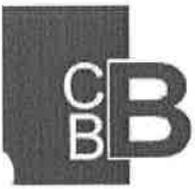
The Public Works Department has procedures that provide guidance and procedures for employees to reduce or eliminate the discharge of pollutants from City owned facilities to the storm sewer system. The City's extensive program to reduce pollutant discharge by City employees is outlined in the QLP section of this report.

Status of Compliance with Permit Conditions

BMP No. F.2 - Inspection and Maintenance Program

Brief Description of BMP:

The City of Rolling Meadows Public Works Department has procedures that require routine inspections of ponds, stream channels and storm sewer outfalls once every three years by Public Works staff. Non-routine inspection visits should be required to address comments from residents, the Fire Department Hazardous Materials Unit and the Community Development Department Inspections. The inspection process included photos and written documentation of current conditions. Inspections are also performed following large storm events to verify the working conditions of storm sewer inlets and detention/retention basins.



NPDES Site Audit Report for ILR10

General Information	
Project Name	Approximate Acreage
Operator	
Project Location	
Date of Site Visit	NPDES Permit No. ILR10
Observer's Name(s) & Title(s)	
Construction phase(s) at time of visit	<input type="checkbox"/> Pre-Construction <input type="checkbox"/> Land Development <input type="checkbox"/> Vertical Construction <input type="checkbox"/> Roadway Construction <input type="checkbox"/> Post Construction <input type="checkbox"/> Other: _____
Type of Site Visit: <input type="checkbox"/> Initial Visit <input type="checkbox"/> Follow-up <input type="checkbox"/> Other: _____	
Weather Information	
Weather conditions during the site visit:	
SWPPP/Soil Erosion and Sediment Control (SESC) Plan	
1. Has the SWPPP been updated/amended as required by the NPDES Permit and/or local requirements?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
2. Is the Operator Certification Form signed and maintained with SWPPP?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
3. Are Contractor Certification Forms signed and maintained with SWPPP?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
4. Have inspection reports been completed and signed every 7 calendar days and after ≥0.5 inch precipitation events?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
SWPPP/SESC Plan Comments: _____	

Soil Erosion Control Ordinance – Permit Inspection and Enforcement

PURPOSE: The purpose of this SOP is to establish a procedure for Soil Erosion Control permit inspections and enforcement of Article III of Chapter 38 of the City’s Municipal Code.

1. The City Engineer will make monthly inspections of active projects requiring soil erosion control measures and complete a "Stormwater Runoff Construction Observation Report" as part of this process.
2. If the City Engineer finds that a development project is not in compliance with our Soil Erosion Control Ordinance he will send Letter #1 and the “Stormwater Runoff Construction Observation Report” to the Permittee (copy to Assistant Community Development Assistant Director and Public Works Engineering and Inspections Supervisor). This letter is first notice that requires compliance within 30 days.
3. The City Engineer’s next monthly inspection (30 days) will determine if development project soil erosion control measures are in compliance with Code.
4. If the City Engineer finds that the project is still not in compliance he will send Letter #2 and the “Stormwater Runoff Construction Observation Report” to the Permittee via USPS Certified Mail (copy to Assistant Community Development Director and Public Works Engineering and Inspections Supervisor). This letter is second notice that requires compliance within 10 days.
5. If Letter #2 is sent, the City Engineer will make a follow-up inspection after the 10 day period. If at the time of this inspection the site is still not in compliance the City Engineer will send e-mail to the Director of Community Development, Assistant Director of Community Development, Director of Public Works and Public Works Engineering and Inspections Supervisor stating that "The deficiencies in compliance with standards and requirements of the Soil Erosion Control Ordinance that were cited in our last letter have not been addressed. Please proceed with the adjudication process".
6. The Community Development Department will schedule an Adjudication Hearing and send "Notice to Appear" to the Permittee. The City Engineer will represent the City at the Adjudication Hearing.
7. After Adjudication Hearing takes place Community Development Department will provide instruction to the City Engineer and Public Works Department on any further action.

If no additional instruction is given the City Engineer will resume monthly inspections as SOP.



NPDES Site Audit Report for ILR40

General Information	
Project Name	Approximate Acreage
Operator	
Project Location	
Date of Site Visit	NPDES Permit No. ILR10 (If Applicable)
Observer's Name(s) & Title(s)	
Construction phase(s) at time of visit	<input type="checkbox"/> Pre-Construction <input type="checkbox"/> Land Development <input type="checkbox"/> Vertical Construction <input type="checkbox"/> Roadway Construction <input type="checkbox"/> Post Construction <input type="checkbox"/> Other:
Type of Site Visit: <input type="checkbox"/> Initial Visit <input type="checkbox"/> Follow-up <input type="checkbox"/> Other: _____	
Weather Information	
Weather conditions during the site visit:	
SWPPP/Soil Erosion and Sediment Control (SESC) Plan	
1. Is an NPDES Permit required for construction site activities? (e.g., Does the construction activity disturb ≥ 1 acre?)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
2. Is the SWPPP on site (or accessible with location posted)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
3. Is the SWPPP/SESC Plan updated/amended as required by the NPDES Permit and/or local requirements?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
4. Are Operator and Contractor Certification Forms signed and maintained with SWPPP?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
5. Have inspection reports been completed and signed every 7 calendar days and after ≥ 0.5 inch precipitation events?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
SWPPP/SESC Plan Comments: _____	



CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. HIGGINS ROAD SUITE 600
ROSEMONT, IL 60018
Phone: (847) 823-0500 Fax: (847) 823-0520

CITY OF ROLLING MEADOWS
3600 KIRCHOFF ROAD
ROLLING MEADOWS, IL 60008
Phone: (847) 394-8500 Fax: (847) 394-8710



Subject: [REDACTED]

Dear [REDACTED]:

On [REDACTED], your development was inspected for compliance with standards and requirements of the Soil Erosion Control Ordinance of the City of Rolling Meadows. Your development was found to be **non-compliant**. I have attached a copy of the inspection report detailing our observations.

This letter serves as first notice of offense for violation of Article III of Chapter 38 of the City's Municipal Code. You have until [REDACTED] (thirty days) to remedy all noted deficiencies. Please call me : (847) 823-0500 during regular business hours (Monday through Friday, 8:00 a.m. to 4:30 p.m.) if you have any questions.

Sincerely,

Robert T. Jungwirth, PE, CFM
City Engineer

Attachments: As noted

cc: Jim Sylverne-Community Development
Reid Bateman-Public Works



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ROLLING MEADOWS, IL 60008
Phone: (847) 394-8500 Fax: (847) 394-8710



Subject: [REDACTED]

Dear [REDACTED]:

On [REDACTED], your development was inspected for compliance with standards and requirements of the Soil Erosion Control Ordinance of the City of Rolling Meadows. Your development was found to be **non-compliant**. I have attached a copy of the inspection report detailing our observations.

This letter serves as second notice of offense for violation of Article III of Chapter 38 of the City's Municipal Code. You have until [REDACTED] (ten days) to remedy all noted deficiencies. If after that time you are not in compliance with Soil Erosion Control requirements, we will take further enforcement action. This further action will require your appearance before the City Adjudicator and payment of fines for a violation of the City ordinance(s).

Please call me at (847) 823-0500 during regular business hours (Monday through Friday, 8:00 a.m. to 4:30 p.m.) if you have any questions. Thank you in advance for your cooperation.

Sincerely,

Robert T. Jungwirth, PE, CFM
City Engineer

Attachments: As noted

Sent USPS Certified Mail

cc: Jim Sylverne-Community Development
Reid Bateman-Public Works

SWPPP CERTIFICATION

Insert Name of Project

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature of Operator

Date

Printed Name of Operator

CONTRACTOR CERTIFICATION

I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit (ILR10) that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.

Project: *Insert Project Name*

Permit #: *Insert NPDES Permit Number*

Contractor's Signature

Date

Printed Name & Title

Telephone Number

Name of Contracting Firm

Street Address

City, State, Zip Code

Trade/Responsibilities: _____

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
 NOTICE OF TERMINATION (NOT)
 OF COVERAGE UNDER THE GENERAL PERMIT
 FOR STORM WATER DISCHARGES
 ASSOCIATED WITH CONSTRUCTION SITE ACTIVITIES**

Please use the tab or arrow keys

OWNER INFORMATION

NAME:	LAST	FIRST	MIDDLE	OWNER TYPE: PRIVATE (select option)
MAILING ADDRESS:				
CITY:		STATE:		ZIP:
CONTACT PERSON:		TELEPHONE NUMBER:	AREA CODE	NUMBER

CONTRACTOR INFORMATION

NAME:	LAST	FIRST	MIDDLE	TELEPHONE NUMBER:	AREA CODE	NUMBER
MAILING ADDRESS:		CITY:		STATE:		ZIP:

CONSTRUCTION SITE INFORMATION

FACILITY NAME:		OTHER NPDES PERMIT NOS.:	I	L	R	1	0				
FACILITY LOCATION:											
CITY:		STATE:	IL	ZIP:		LATITUDE:			LONGITUDE:		
COUNTY:		SECTION:		TOWNSHIP:		RANGE:					

DATE PROJECT HAS BEEN COMPLETED AND STABILIZED:

I certify under penalty of law that disturbed soils at the identified facility have been finally stabilized or that all storm water discharges associated with industrial activity from the identified facility that are authorized by an NPDES general permit have otherwise been eliminated. I understand that by submitting this notice of termination, that I am no longer authorized to discharge storm water associated with industrial activity by the general permit, and that discharging pollutants in storm water associated with industrial activity to Waters of the State is unlawful under the Environmental Protection Act and the Clean Water Act where the discharge is not authorized by an NPDES permit.

OWNER SIGNATURE: _____

DATE: _____

MAIL COMPLETED FORM TO:
 (DO NOT SUBMIT ADDITIONAL DOCUMENTATION UNLESS REQUESTED)

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
 DIVISION OF WATER POLLUTION CONTROL
 ATTN: PERMIT SECTION
 POST OFFICE BOX 19276
 SPRINGFIELD, ILLINOIS 62794-9276

FOR OFFICE USE ONLY

LOG:
PERMIT NO. ILR10 _____
DATE:

Information required by this form must be provided to comply with 415 ILCS 5/39 (1996). Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

GUIDELINES FOR COMPLETION OF NOTICE OF TERMINATION (NOT) FORM

Please adhere to the following guidelines:

Submit original, photocopy or facsimile copies. Facsimile and/or photo copies should be followed-up with an original signature copy as soon as possible. Please write "copy" under the "For Office Use Only" box in the lower right hand corner.

- Submit completed forms to:

Illinois Environmental Protection Agency
Division of Water Pollution Control
Permit Section
Post Office Box 19276
Springfield, Illinois 62794-9276
217/782-0610

- Reports must be typed or printed legibly and signed.

- NOTE: FACILITY LOCATION IS NOT NECESSARILY THE FACILITY MAILING ADDRESS, BUT SHOULD DESCRIBE WHERE THE FACILITY IS LOCATED.

- Use the formats given in the following examples for correct form completion.

	<u>Example</u>	<u>Format</u>
SECTION	12	1 or 2 numerical digits
TOWNSHIP	12N	1 or 2 numerical digits followed by "N" or "S"
RANGE	12W	1 or 2 numerical digits followed by "E" or "W"

- Final stabilization has occurred when:

- all soil disturbing activities at the site have been completed
- a uniform perennial vegetative cover with a density of 70% of the native background vegetative cover for the area has been established on all unpaved areas and areas not covered by permanent structures,
- or equivalent permanent stabilization measures have been employed.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
NOTICE OF INTENT (NOI)
GENERAL PERMIT TO DISCHARGE STORM WATER
CONSTRUCTION SITE ACTIVITIES

OWNER INFORMATION

NAME:	LAST	FIRST	MIDDLE	(OR COMPANY NAME)	OWNER TYPE: (select one)	
MAILING ADDRESS:						
CITY:				STATE:		ZIP:
CONTACT PERSON:				TELEPHONE NUMBER:	AREA CODE	NUMBER

CONTRACTOR INFORMATION

NAME:	LAST	FIRST	MIDDLE	(OR COMPANY NAME)	TELEPHONE NUMBER:	AREA CODE	NUMBER
MAILING ADDRESS:				CITY:		STATE:	ZIP:

CONSTRUCTION SITE INFORMATION

SELECT ONE:	<input type="checkbox"/> New Site <input type="checkbox"/> CHANGE OF INFORMATION TO PERMIT NO. ILR10 _____						
FACILITY NAME:					OTHER NPDES PERMIT NOS.:		
FACILITY LOCATION:					TELEPHONE NUMBER:	AREA CODE	NUMBER
CITY:		ST:	IL	ZIP:	LATITUDE:		LONGITUDE:
COUNTY:				SECTION:		TOWNSHIP:	RANGE:
APPROX. CONST. START DATE:	/	/	APPROX. CONSTRUCTION END DATE:	/	/	TOTAL SIZE OF CONSTRUCTION SITE IN ACRES:	
STORM WATER POLLUTION PREVENTION PLAN COMPLETED <input type="checkbox"/> YES <input type="checkbox"/> NO (If no, separate notification required to Agency prior to construction.)							

TYPE OF CONSTRUCTION

(select one)	TYPE BRIEF DESCRIPTION OF PROJECT:
--------------	------------------------------------

HISTORIC PRESERVATION AND ENDANGERED SPECIES COMPLIANCE

HAS THIS PROJECT SATISFIED APPLICABLE REQUIREMENTS FOR COMPLIANCE WITH ILLINOIS LAW ON:			
HISTORIC PRESERVATION	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
ENDANGERED SPECIES	<input type="checkbox"/> YES	<input type="checkbox"/> NO	

RECEIVING WATER INFORMATION

DOES YOUR STORM WATER DISCHARGE DIRECTLY TO: <input type="checkbox"/> WATERS OF THE STATE OR <input type="checkbox"/> STORM SEWER	OWNER OF STORM SEWER SYSTEM:
NAME OF CLOSEST RECEIVING WATER:	

I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage this system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. In addition, I certify that the provisions of the permit, including the development and implementation of a storm water pollution prevention plan and a monitoring program plan, will be complied with.

OWNER SIGNATURE: _____ DATE: _____

FOR OFFICE USE ONLY

MAIL COMPLETED FORM TO: (DO NOT SUBMIT ADDITIONAL DOCUMENTATION UNLESS REQUESTED)	ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF WATER POLLUTION CONTROL ATTN: PERMIT SECTION POST OFFICE BOX 19276 SPRINGFIELD, ILLINOIS 62794-9276 www.epa.state.il.us	LOG: PERMIT NO. ILR10 DATE:
--	--	---

Information required by this form must be provided to comply with 415 ILCS 5/39 (1996). Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

**INSTRUCTIONS FOR COMPLETION OF CONSTRUCTION ACTIVITY NOTICE OF INTENT (NOI)
FORM**

Please adhere to the following instructions:

Submit original, photocopy or facsimile copies. Facsimile and/or photo copies should be followed-up with an original signature copy as soon as possible. Please write "copy" under the "For Office Use Only" box in the lower right hand corner.

.... Submit completed forms to:

Illinois Environmental Protection Agency
Division of Water Pollution Control
Permit Section
Post Office Box 19276
Springfield, Illinois 62794-9276
or call (217)782-0610
www.epa.state.il.us

- Reports must be typed or printed legibly and signed.
- Any facility that is not presently covered by the ILR10 Construction Activity Storm Water Discharge General Permit is considered a new facility.
- If this is a change in your facility information, renewal, etc., please fill in your permit number on the appropriate line.
- **NOTE: FACILITY LOCATION IS NOT NECESSARILY THE FACILITY MAILING ADDRESS, BUT SHOULD DESCRIBE WHERE THE FACILITY IS LOCATED.**
- Use the formats given in the following examples for correct form completion.

	<u>Example</u>	<u>Format</u>
SECTION	12	1 or 2 numerical digits
TOWNSHIP	12N	1 or 2 numerical digits followed by "N" or "S"
RANGE	12W	1 or 2 numerical digits followed by "E" or "W"

- For the Name of Closest Receiving Waters, do not use terms such as ditch or channel. For unnamed tributaries, use terms which include at least a named main tributary such as "Unnamed Tributary to Sugar Creek to Sangamon River."
- Submit a fee of \$500 prior to the Notice of Intent being considered complete for coverage by the ILR10 General Permits. Please make checks payable to: Illinois EPA

**ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
CONSTRUCTION SITE STORM WATER DISCHARGE
INCIDENCE OF NON-COMPLIANCE (ION)**

PERMITTEE NAME:	LAST	FIRST	MIDDLE INITIAL	AREA CODE + PHONE NUMBER:	
STREET:		CITY:		ST:	ZIP:
CONSTRUCTION SITE NAME:					
COUNTY:		SECTION:		TOWNSHIP:	RANGE:
NPDES PERMIT NUMBER:	I	L	R	1	0
LATITUDE:	DEG.	MIN.	SEC.	LONGITUDE:	DEG.
					MIN.
					SEC.

CAUSE OF NON-COMPLIANCE:

ACTIONS TAKEN TO PREVENT ANY FURTHER NON-COMPLIANCE:

ENVIRONMENTAL IMPACT RESULTING FROM THE NON-COMPLIANCE:

ACTIONS TAKEN TO REDUCE THE ENVIRONMENTAL IMPACT RESULTING FROM THE NON-COMPLIANCE:

SIGNATURE: _____ TITLE: _____ DATE: _____

MAIL COMPLETED FORM TO:
(DO NOT SUBMIT ADDITIONAL DOCUMENTATION UNLESS REQUESTED)

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF WATER POLLUTION CONTROL
COMPLIANCE ASSURANCE SECTION #19
POST OFFICE BOX 19276
SPRINGFIELD, ILLINOIS 62794-9276

FOR OFFICE USE ONLY	
LOG:	
PERMIT NO. ILR10	_____
DATE:	

Information required by this form must be provided to comply with 415 ILCS 5/39(1996). Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

**GUIDELINES FOR COMPLETION OF INCIDENCE OF NON-COMPLIANCE (ION)
FORM**

Complete and submit this form for any violation of the Storm Water Pollution Prevention Plan observed during any inspection conducted, including those not required by the Plan. Please adhere to the following guidelines.

- Submit original, photocopy or facsimile copies. Facsimile and/or photo copies should be followed-up with an original signature copy as soon as possible. Please write "copy" under the "For Office Use Only" box in the lower right hand corner.
- Submit completed forms to:

Illinois Environmental Protection Agency
Division of Water Pollution Control
Permit Section
Post Office Box 19276
Springfield, Illinois 62794-9276

- Reports must be typed or printed legibly and signed.
- Use the formats given in the following examples for correct form completion.

<u>Example</u>		<u>Format</u>
SECTION	12	1 or 2 numerical digits
TOWNSHIP	12N	1 or 2 numerical digits followed by "N" or "S"
RANGE	12W	1 or 2 numerical digits followed by "E" or "W"

Instructions for completing the *Stormwater Outfall Inspection Data Form*

Strike out incorrect entries with a single line; correct values or descriptions are written above or near the struck-out entries. Do not use a new data entry form to correct an incorrect entry. At the completion of each outfall inspection, the field crews are responsible for ensuring that a *Stormwater Outfall Inspection Data Form* has been completely and correctly filled out and that all data and remarks are legible. **It is important to check that values for all chemical parameters have been entered.**

Section 1: Background Data

Subwatershed: The receiving water from the stormwater outfall inventory to be entered here.

Outfall ID: Enter the outfall identification number from the stormwater outfall inventory.

Date: To avoid confusion, dates are to be written in the following manner: DAY MONTH YEAR. For example, 10 MARCH 2007.

Time: Military time (24-hour clock) to be used (for example, 8:30 a.m. would be written as 0830; likewise, 1:30 p.m. would be written as 1330).

Temperature: A concise description of the weather conditions at the time of the screening is to be recorded (for example, Clear, 75° F).

Inspector: The name(s) of the field personnel.

Previous 48 Hours Precipitation: The total amount of precipitation during the 48 hours preceding the inspection is to be noted (for example, none-72 Hours or 0"=4 days). If the total precipitation is not known, it is appropriate to enter a qualitative assessment if the precipitation was minor. For example, *Drizzle-36 Hours* if appropriate. If the precipitation amount was significant, actual precipitation totals is obtained from a local rain gage, if available.

Photo's Taken (Yes/No): Photographs are to be taken with a camera that superimposes a date and time on the film. The date and time should correspond to the date and time recorded on the data form.

Photo Numbers: If photographs are taken, the number(s) is recorded.

Land Use: Check all that apply, noting which land use is predominate. If the industrial box is checked, any known industries are listed to facilitate potential tracing efforts.

Section 2: Outfall Description

Type of Outfall: Storm Sewer (Closed Pipe) or Open Drainage (Swale/Ditch):

First check if the outfall is either from a Closed Pipe or Open Drainage. Then complete the following row to describe outfall characteristics.

Section 3: Physical Indicators

Indicators: Complete rows describing outfall characteristics (Outfall Damage, Deposits/Stains, Abnormal Vegetation, Poor pool quality, Pipe algae/growth). This section is filled out regardless of current flow conditions. No flow during the time of the inspection, does not rule out the potential of illicit discharges. Corroding or stained pipes, dead or absence of vegetation, are potential indicators of illicit discharges from direct or indirect (i.e. dumping) sources.

Likelihood: After inspecting the physical conditions of the outfall, the likelihood of an illicit discharge is assessed.

Flow Present (Yes/No): A *Yes* or *No* is entered here to indicate the presence or absence of dry-weather flow. If the outfall is submerged or inaccessible, "See Notes" is entered and an explanation provided in the "Notes" section.

Flow Description: A description of the quantity of the dry-weather flow is provided. Refer to Figure 6 of the SMPP.

Flow Chart Procedure:

- If *No* is entered in the "Flow Present" block and no non-flowing physical indicators appear present the inspection can be closed, skip to Section 7 of the form.
- If *No* is entered in the "Flow Present" block but indicators appear present, place the outfall on the follow-up inspection log, then the current inspection can be closed, skip to Section 7 of the form.
- If *Yes* is entered in the "Flow Present" block (regardless of the presence of non-flowing physical indicators), complete remainder of Section and proceed to Section 4.

Section 4: Physical Indicators (Flowing Outfalls Only)

Complete rows describing outfall characteristics (Odor, Color, Turbidity, Floatables). This section is filled out for flowing outfalls only.

Odor: The presence of an odor is to be assessed by fanning the hand toward the nose over a wide-mouth container of the sample, keeping the sample about 6 to 8 inches from the face. Be careful not to be distracted by odors in the air. Provide a description of the odor, if present. Refer to Table 2 of the SMPP.

Color: The presence of color in the discharge is to be assessed by filling a clean glass sample container with a portion of the grab sample and comparing the sample with a color chart, if color is present. If a color chart is used, the number corresponding to the color matching the sample is to be entered in this blank. Color is not assessed by looking into the discharge. Refer to Table 3 of the SMPP.

Turbidity “clarity”: Turbidity is a measure of the clarity of water. Turbidity may be caused by many factors, including suspended matter such as clay, silt, or finely divided organic and inorganic matter. Turbidity is a measure of the optical properties that cause light to be scattered and not transmitted through a sample. The presence of turbidity is to be assessed by comparing the sample to clean glass sample container with colorless distilled water. Refer to Table 4 of the SMPP.

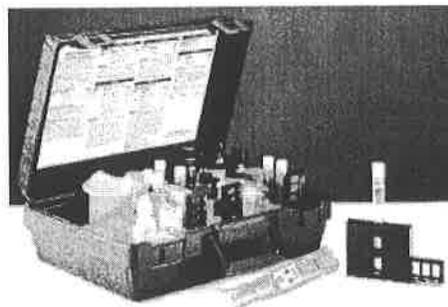
Floatables: The presence of floating scum, foam, oil sheen, or other materials on the surface of the discharge are to be noted. Describe of any floatables present that are attributable to discharges from the outfall. Do not include trash originating from areas adjacent to the outfall in this observation. Refer to Figure 5 and Table 4 of the SMPP.

Likelihood: After inspecting the physical conditions of the outfall discharge, the likelihood of an illicit discharge is assessed. If flowing physical indicators are present the tracing procedure are immediately implemented by one of the field crew. The second member of the field crew continues with the inspection by performing the on-site testing in Section 5.

Flow Chart Procedure:

- If flowing physical indicators are present the tracing procedure is immediately implemented by one of the field crew. The second member of the field crew continues with the inspection by performing the on-site testing in Section 5.
- If flowing physical indicators do not suggest an illicit discharge continue with the inspection by performing the on-site testing in Section 5.

Section 5: On-Site Sampling/Testing (Flowing Outfalls Only)



Parameters: Test strip or kit chemical analyses are conducted for the following parameters in accordance with the Flow Chart, refer to Figure 7 of the SMPP.

- pH, test strip,

- Color, color chart,
- Chlorine, test strip,
- Copper, test strip,
- Ammonia, test strip,
- Phenols, test kit, and
- Detergents, test kit.

Testing is done by either a test strip or test kit as applicable (refer to the equipment column). The results are compared with the “acceptable range” and the “within range” column is filled out with a Yes or No. Note that the Temperature, Alkalinity and Hardness are determined although these results do not need to be compared with an “acceptable range”. These values are used to assist in determining the source of the illicit discharge during the tracing procedure.

Sampling Location: A description of the actual sampling location is to be recorded (for example, at end of outfall pipe). If the outfall is submerged or is inaccessible for sampling, an upstream sampling location may be required. A description of any upstream sampling locations is recorded here. Grab samples are collected from the middle, both vertically and horizontally, of the dry-weather flow discharge in a critically cleaned glass container. Samples can be collected by manually dipping a sample container into the flow.

Sampling Procedures: Detailed, step-by-step instructions for using the test strips and kits are available through the Public Works Department. Please also refer to Chapter 3.3.B.7.b. for test kit safety information. Use the following procedures for all test kit analyses:

1. Take a grab sample and swirl to ensure that the sample is well mixed.
2. Rinse the sample cup (25ml) twice with distilled water. Next, rinse the sample cup twice with water from the grab sample.
3. Fill the sample cup to the 25 ml mark, or as required by the instructions for the test kits. Hold the sample cup at eye level to ensure that measurements are accurate.
4. Conduct the test kit analyses following the manufacturer’s instructions.
5. Dispose of the sample as follows:
 - If no chemical or reagents have been added to the sample, the water can be poured on the ground.
 - If any chemical or reagent is added to the sample, pour the water into a container marked “Liquid Waste” for proper disposal to a sanitary sewer system at the end of the day.
6. Rinse the sample cup three times with tap water and dry with a paper towel.

Flow Chart Procedure:

- If any parameter is outside of the “acceptable range” then an illicit discharge has likely been found. The tracing procedure is immediately implemented by one of the field crew. Testing can be stopped, and the second member of the field crew continues with the inspection by completing Section 7.
- If none of the parameters are outside of the acceptable range, proceed to Section 6.

Section 6: Data Collection for Lab Testing

Determine if the Village’s Waste Water Treatment Plant (WWTP) has adequate staff capacity to analyze the samples.

- If the WWTP has adequate staff capacity, collect grab samples and provide them to the WWTP. Note the location of the sample. Label the sample with the outfall ID number. Proceed to Section 7 while in the field and complete the remainder of Section 6 after the lab results are available.
- If the WWTP does not currently have adequate capacity, determine if Sections 3 or 4 of the inspection form suggest an illicit discharge.
 - If Sections 3 or 4 suggest an illicit discharge contact and outside lab to perform the testing. Proceed to Section 7 while in the field and complete the remainder of Section 6 after the lab results are available.
 - If Sections 3 or 4 do not suggest an illicit discharge, note the outfall ID number. Place the outfall on the follow-up inspection log and proceed to Section 7 of the form. Re-inspect and sample the discharge when the WWTP has adequate capacity.

Sample Location: The location of the sample is noted. Additionally, the sample is labeled with the outfall ID number. Use the insert MS4 type’s sampling procedures and refer to Chapter 3.3.B.7.b. for test kit safety information. . The following additional items are noted.

1. When you collect any samples you must fill out an ***Outfall Sampling Report (Appendix 5.4)***. The report must document time you arrive on location, take the sample and get to the plant to drop off the sample.
2. A 500-ml glass bottle sample is used to collect the sample. If you are collecting a sample that has grease 2-250ml samples taken with a glass container are required.
3. If you use the sampling container that is on a rope, it must be washed with soap and water after every use.

Parameters: Grab samples and lab testing is performed. After lab results are available enter the results here.

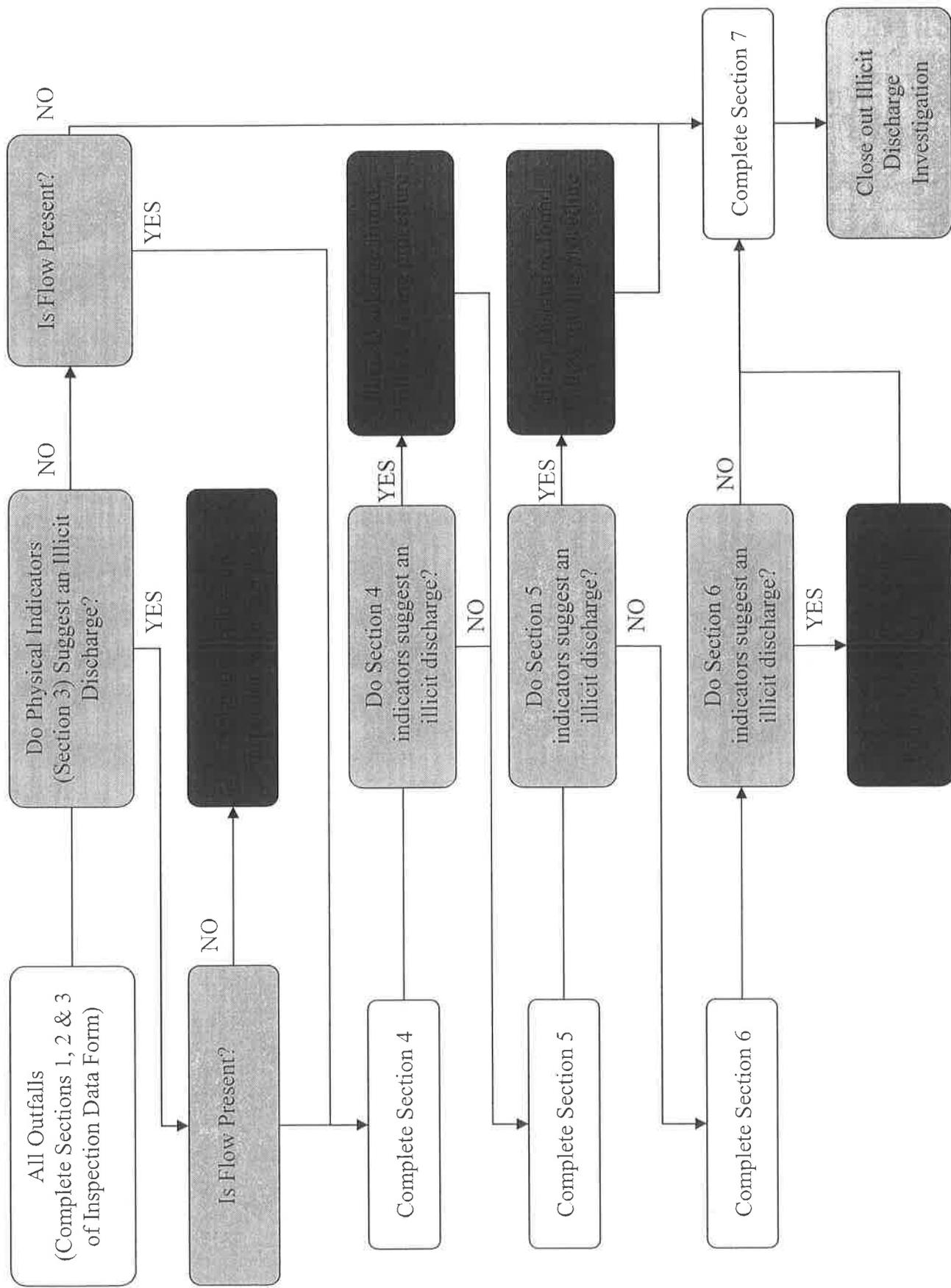
- If any parameter is outside of the “acceptable range” then an illicit discharge has likely been found. The tracing procedure should be immediately implemented.

- If none of the parameters are outside of the acceptable then the investigation can be closed.

Section 7 Any Non-Illicit Discharge Concerns

Any problems or unusual features are to be entered here. If the outfall appears to be potentially impacted by inappropriate discharges, this can be recorded here. This section is to be completed even if no flow is observed.

Figure 4: Outfall Inspection Procedure Flow Chart



STORM WATER OUTFALL SCREENING EQUIPMENT CHECKLIST	
Field Analysis	pH Testing Strips
	Chlorine Testing Strips
	Copper Test Strip
	Ammonia Test Strip
	Phenols Test Kit (Minimum of 15 Tests)
	Detergents Test Kit (Minimum of 15 Tests)
	Color Chart
	Thermometer
	Wash Bottle with Tap Water
Sampling	Extended Sampler
	250-ml and 500-ml glass sample containers with labels
	Cooler with ice or ice packs
Other	Outfall Screening Data Form (Minimum of 10)
	Outfall Sampling Report (Minimum of 10)
	Clipboard and Pens
	Resident Form Letters (Minimum of 10)
	Training Manual
	Storm Sewer Atlas
	Digital Camera
	Flashlight
	Manhole Cover Hook
	Tape Measure
	Folding Rule
	Brush Clearing Tool
	Plastic Trash Bags
	Paper Towels
Safety (PPE Equipment)	Traffic Cones/Flags/Light Sticks
	Traffic Safety Vest
	First Aid Kit
	Steel-Toe Boots
	Work Gloves
	Safety Glasses/Goggles
	Rubber Boots
	Disposable Gloves (Latex)
	ID Badge
Personal (supplied by employee if desired)	Insect Repellant
	Sunscreen

Outfall Sampling Report

Structure ID #	Date:
Outfall ID #	Time of Sample:
Sampled By:	AM PM

Glass Bottle Size:	250 ml	500 ml	32 ml
--------------------	--------	--------	-------

Tests requested:	Flouride	Potassium	Fecal Coliform
------------------	----------	-----------	----------------

Relinquished By:	Date:
Comments:	Time:
Received By:	Date:
Comments:	Time:
Relinquished By:	Date:
Comments:	Time:
Received By:	Date:
Comments:	Time:

Roadway Culvert / Bridge Checklist

Inspected by:

		Date:	Weather Conditions:		
Number	Location	Size	Flood Height <i>(low/medium/high)</i>	Condition <i>(Good/Fair/Poor)</i>	Comments
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

CHRISTOPHER B. BURKE ENGINEERING, LTD.
CBBEL NPDES REPORT

Date of Site Visit: _____

Date of Last Site Visit: _____

NPDES Permit No.: _____

Client: _____

Site Name: _____

CBBEL Project Number: _____

CBBEL Staff Member & Title: _____

Estimated Date of Last Significant Rain Event: _____

Response to Previous Report(s):

Erosion and Sedimentation

Minor Moderate Severe N/A

Observations/Recommended Action:

Condition of Site Discharge Point(s)

Good Fair Poor N/A

Observations/Recommended Action:

Condition of Roadways and Locations where vehicles enter or exit the site

Good Fair Poor N/A

Observations/Recommended Action:

Silt Fence

Good Fair Poor N/A

Observations/Recommended Action:

Inlet/Outlet Protection

Good Fair Poor N/A

Observations/Recommended Action:

Ditch Checks/Check Dams

Good Fair Poor N/A

Observations/Recommended Action:

Concrete Washouts

Good Fair Poor N/A

Observations/Recommended Action:

Housekeeping/Material Storage

Good Fair Poor N/A

Observations/Recommended Action:

General Comments:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

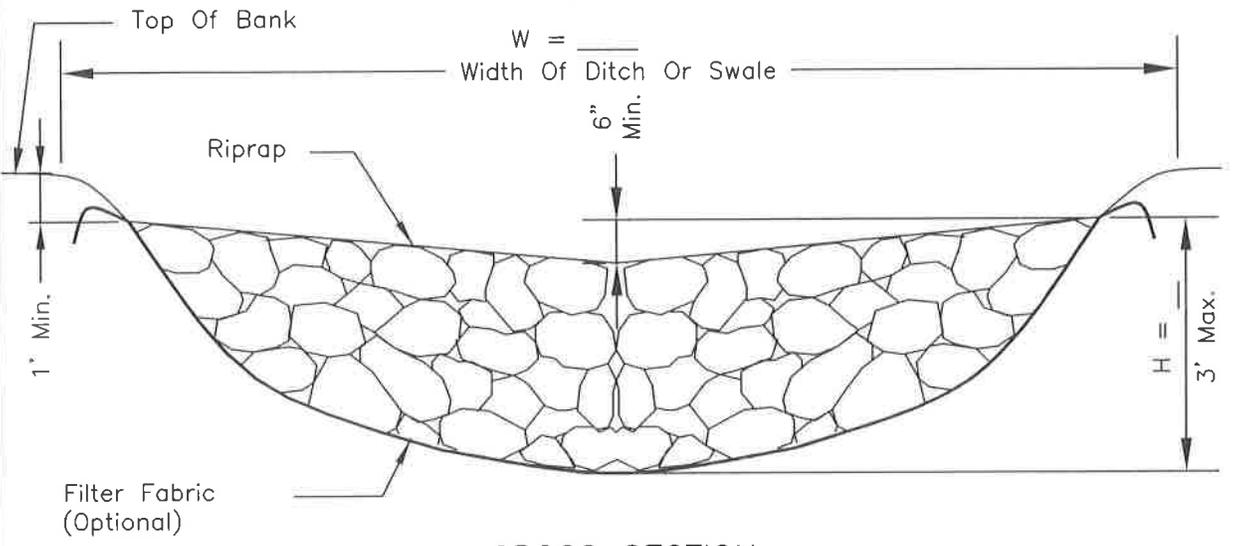
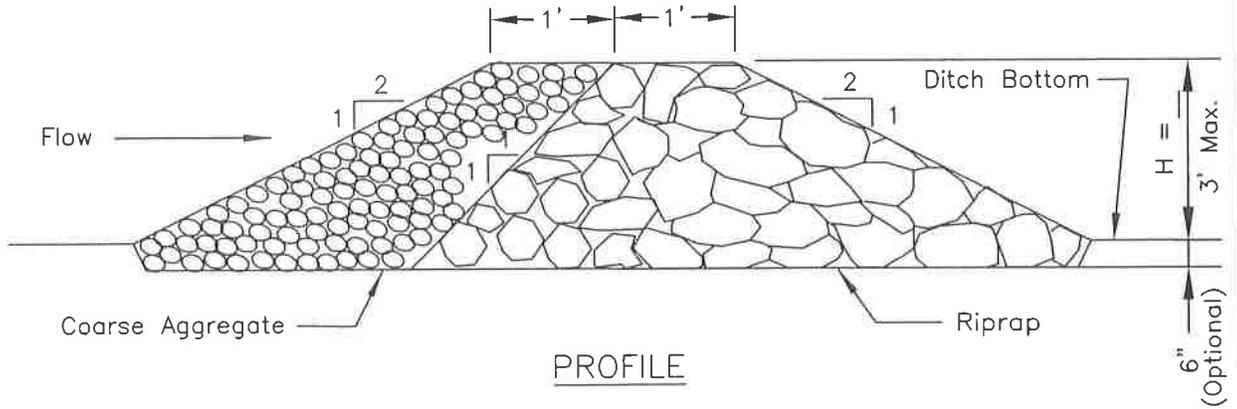
Printed Name & Title: _____

Signature: _____

Date: _____

PLEASE CALL IF YOU NEED ADDITIONAL INFORMATION -- PHONE: (847) 823-0500 FAX (847) 823-0520

ROCK CHECK DAM - RIPRAP



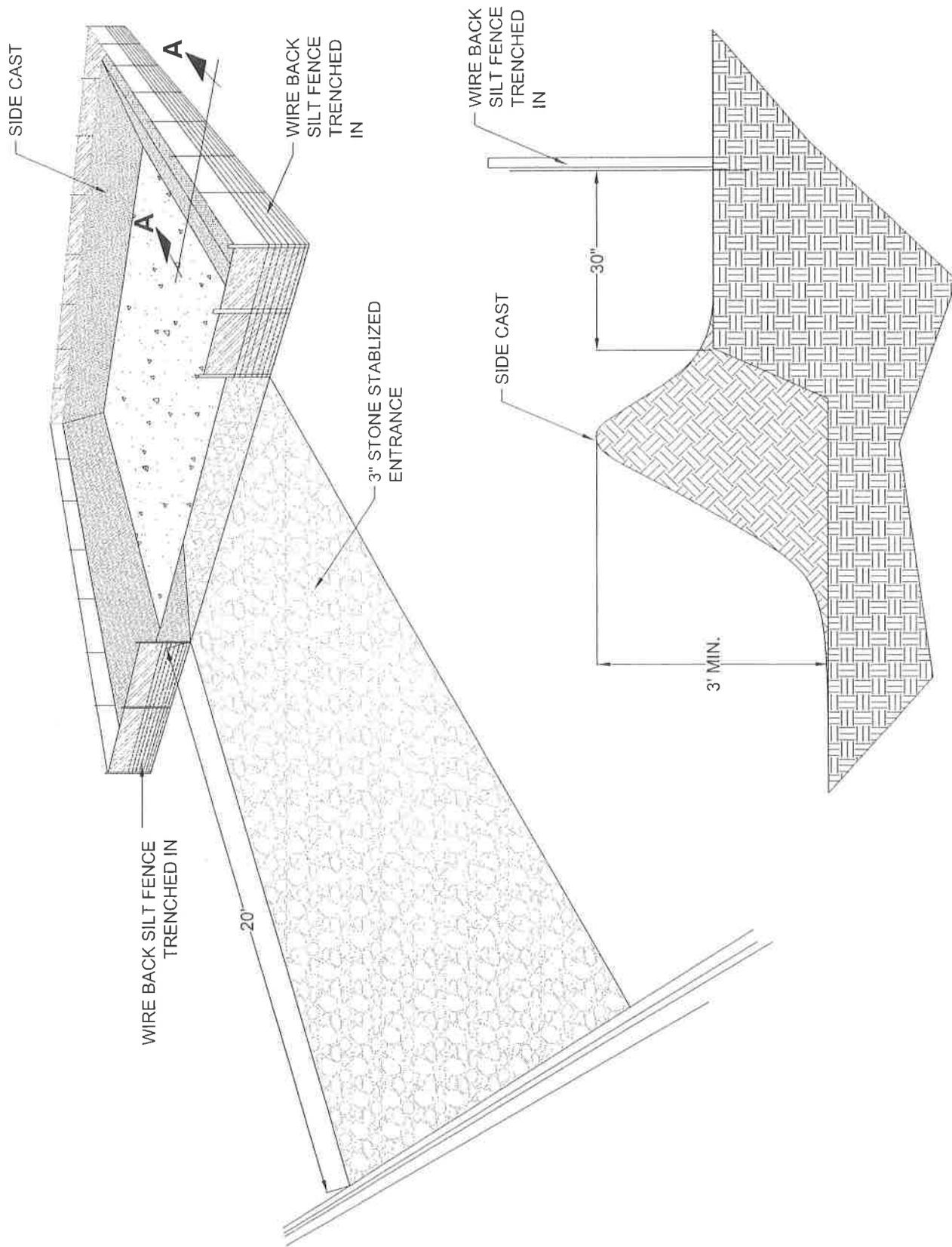
NOTES;

1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table 1 or 2, Class I, II, or IV and shall be placed over the cleared area prior to the placing of rock.
2. Coarse aggregate shall meet one of the following IDOT gradations, CA-1, CA-2, CA-3, or CA-4.
3. Riprap shall meet IDOT gradation RR-3 or RR-4 and meet Quality Designation A.
4. Coarse aggregate and riprap shall be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
5. For added stability, the base of the dam may be keyed 6 inches into the soil.
6. See plans for spacing of dams and H dimensions.
7. Maximum drainage area to each dam is 10 acres.
8. ROCK CHECK DAM-COARSE AGGREGATE IL-605CA may be used for drainage areas under 2 acres.

REFERENCE	
Project _____	_____
Designed _____	Date _____
Checked _____	Date _____
Approved _____	Date _____



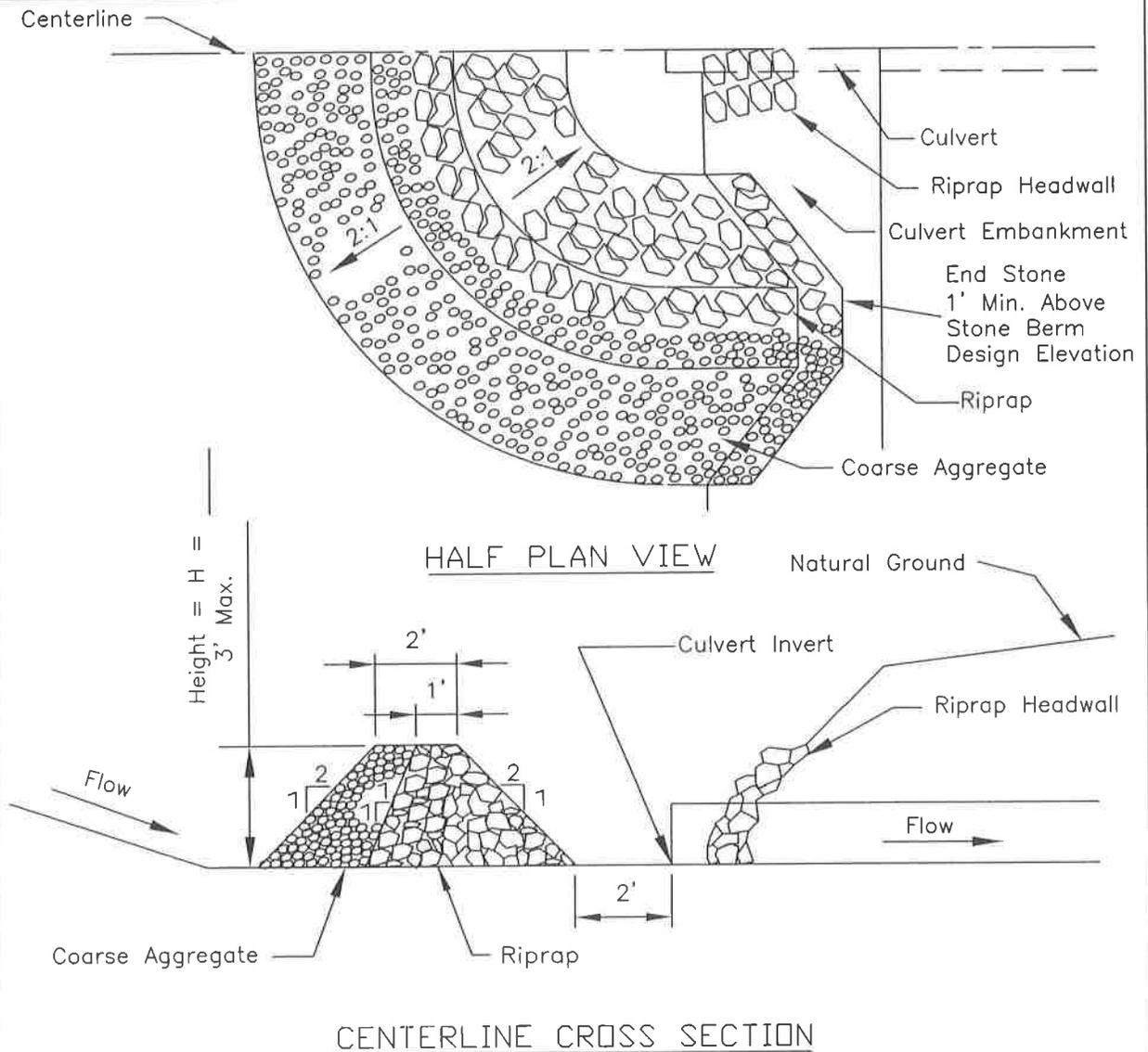
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IL-605R
SHEET 1 OF 1
DATE 1-29-99



CONCRETE WASH OUT BASIN

SECTION 'A-A'

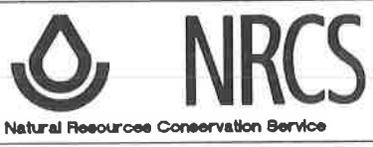
CULVERT INLET PROTECTION - STONE



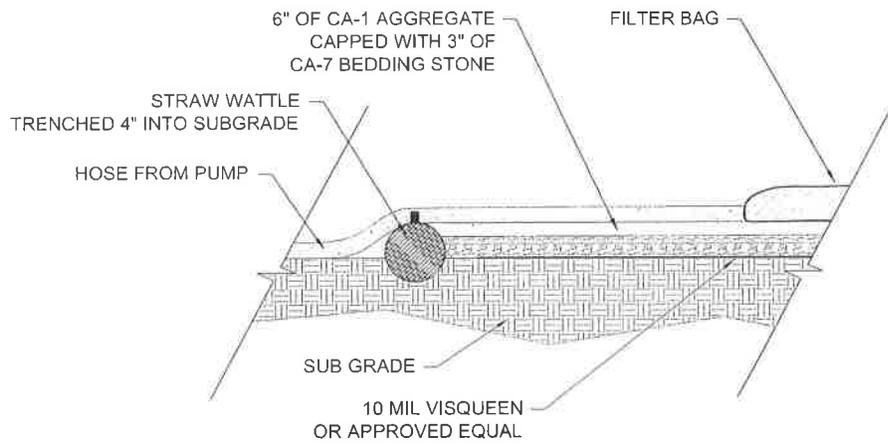
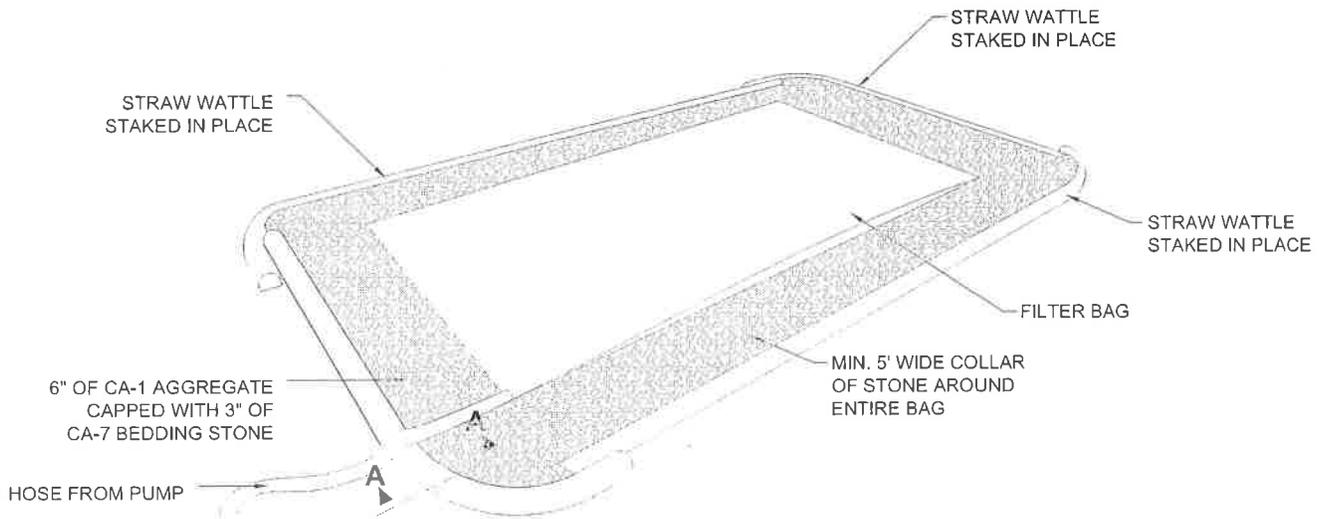
Notes:

1. Sediment shall be removed when the sediment has accumulated to one-half the height of the stone berm.
2. Coarse aggregate shall meet one of the following IDOT coarse aggregate gradations, CA-1, CA-2, CA-3 or CA-4.
3. Riprap shall meet IDOT gradation RR-3 or RR-4. Any permanent riprap, such as for the culvert headwall, shall meet IDOT Quality Designation A.
4. Coarse aggregate and riprap shall be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
5. The maximum drainage area to the culvert being protected is 3 acres.
6. See plans for H dimension.
7. Tie the stone berm into the culvert embankment a minimum of 1 foot above the design elevation of the stone berm.

REFERENCE	
Project	_____
Designed	_____ Date _____
Checked	_____ Date _____
Approved	_____ Date _____



STANDARD DWG. NO.	IL-508ST
SHEET	1 OF 1
DATE	1-29-99

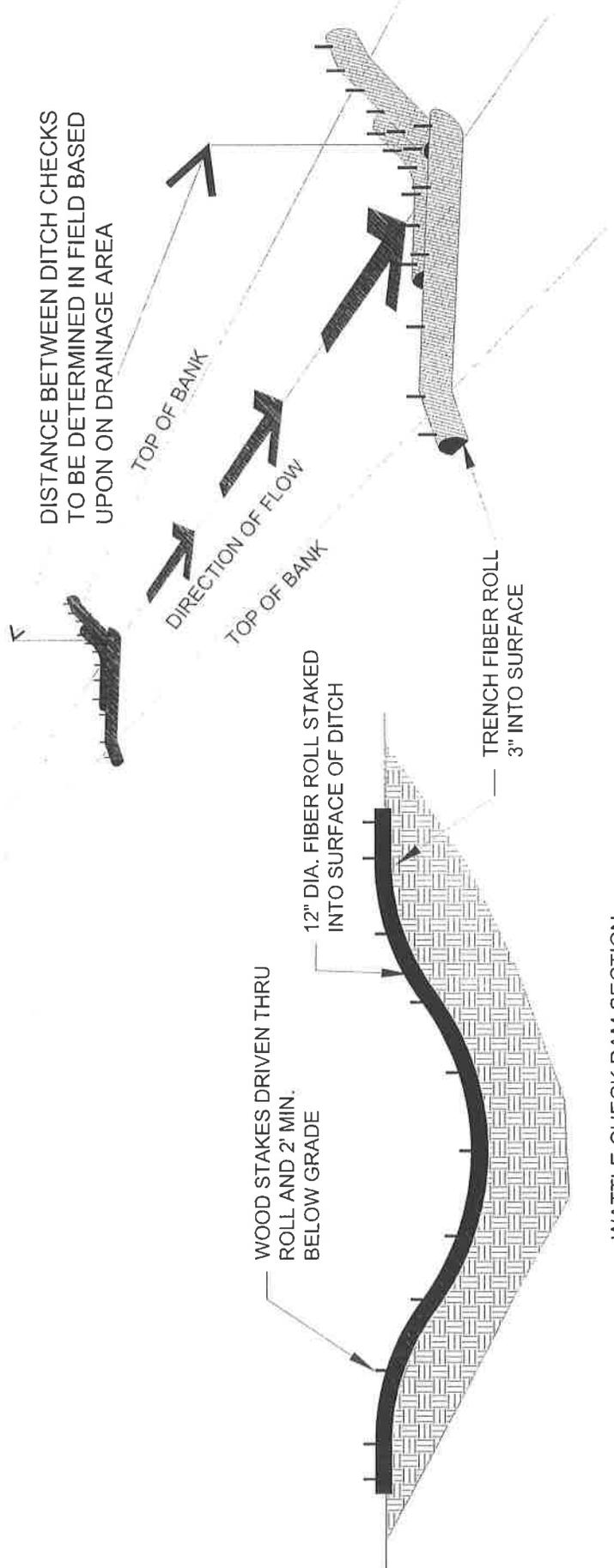


SECTION 'A'

NOTES:

- (1) ACTUAL SIZE AND LAYOUT DETERMINED IN THE FIELD
- (2) PUMP INTAKE HEAD SHOULD BE FLOATED AT SURFACE OR PLACED IN A STABILIZED SUMP PIT

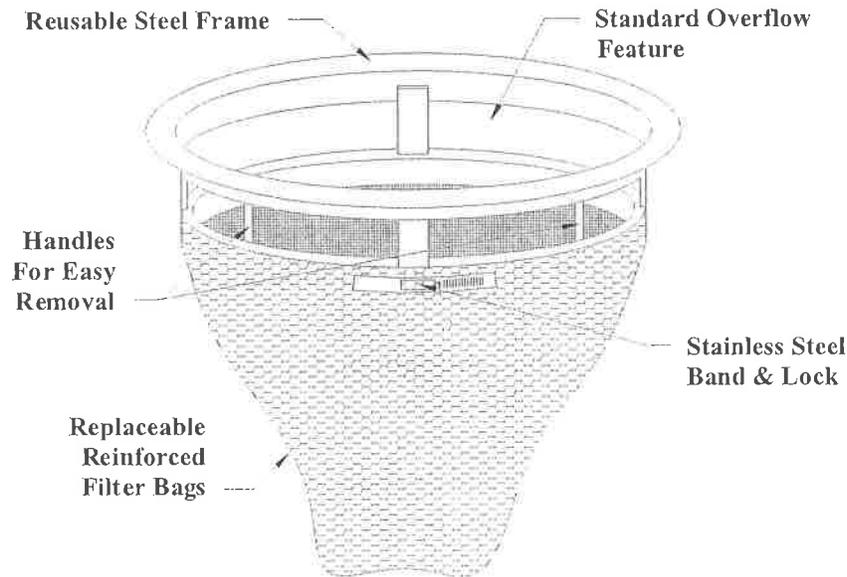
DEWATERING FILTER PAD



WATTLE CHECK DAM SECTION

WATTLE DITCH CHECK DETAILS

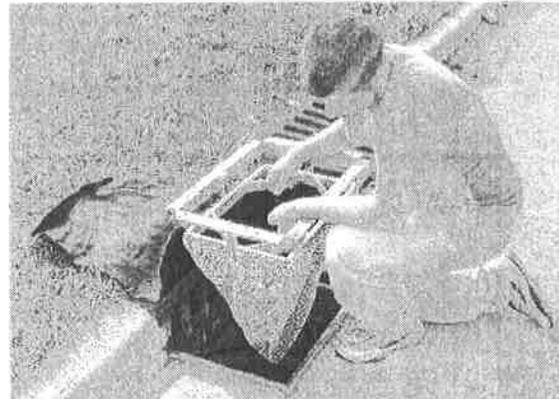
Catch-All - is a manufactured inlet filtration device designed to significantly reduce the ingress of pollutants into stormwater systems, and therefore, improve water quality. Designs are available for a custom fit in virtually any drainage structure casting.



Catch-All HR is available to provide the added benefit of hydrocarbon removal.

Design Benefits

1. Pollution Prevention
 - Sediment Control
 2. Pollution Removal
 - Hydrocarbons (Catch-All HR)
 - Total Suspended Sediment
 - Phosphorus*
 - Nitrogen*
 - Heavy Metals*
- * *By virtue of sediment control*



Applications

1. Site Development & Highway Construction
 - Inlet Protection / Sediment Control
2. Permanent BMP
 - Maintenance Yards
 - Wash Bays
 - Parking Lots & Garages
 - Airports – Tarmac, Cab/Limo Stands, Rental Returns
 - Bank/Fast Food Drive-Ups
 - Reduce Maintenance of Underground Detention Systems
 - Reduce Maintenance of Underground Oil/Water Separators

SEDIMENT CONTROL, INLET FILTERS

Description: This work shall consist of the furnishing, installation, and removal of a drainage structure inlet filter assembly, consisting of a frame and filter bag, to collect sediment in surface stormwater runoff at locations shown on the plans or as directed by the Engineer.

The Contractor shall inspect the work site and review the plans to determine the number and dimensions of the various types of drainage structure frames (circular and rectangular) into which the inlet filters will be installed prior to ordering materials.

The drainage structure inlet filter assembly shall be installed under the grate on the lip of the drainage structure frame with the fabric bag hanging down into the drainage structure.

The drainage structure inlet filter assembly shall remain in place until final removal of the assembly is directed by the Engineer. The drainage structure inlet filter assembly shall remain the property of the Contractor.

Final removal of the assembly shall include the disposal of debris or silt that has accumulated in the filter bag at the time of final removal. Periodic cleaning of the filter is paid for separately.

Materials: The drainage structure inlet filter shall be the "Catch-All Inlet Protector", as furnished by Marathon Materials, Inc., 25523 W. Schultz St., Plainfield, IL 60544, (800) 983-9493, or approved equal. A detail drawing in the plans depicts the drainage structure inlet filter assembly.

The drainage structure inlet filter assembly consists of a steel frame with a replaceable geotextile fabric bag attached with a steel band with locking cap that is suspended from the frame. A clean used bag and a used steel frame in good condition, meeting the approval of the Engineer, may be substituted for new materials.

The drainage structure inlet filter assembly frame shall be rigid steel meeting the requirements of ASTM-A36. The frame shall include an overflow feature that is welded to the frame's ring. The overflow feature shall be designed to allow full flow of water into the structure if the filter bag is filled with sediment. The dimensions of the assembly frame shall allow the drainage structure grate to fit into the inlet filter assembly frame opening. The assembly frame shall rest on the inside lip of the drainage structure frame for the full variety of existing and proposed drainage structure frames that are present on this contract.

The drainage structure inlet filter assembly bag shall be constructed of a polypropylene geotextile fabric with a minimum weight of 4 ounces per square yard, a minimum flow rate of 145 gallons per minute per square foot, and designed for a minimum silt and debris capacity of 2 cubic feet. The filter bag shall be reinforced with an outer layer of polyester mesh fabric with a minimum weight of 4 ounces per square yard. The filter bag shall be suspended from the steel frame with a stainless steel band and locking cap. The inlet filter assembly frame shall not cause the drainage structure grate to extend higher than 1/8 inch above the drainage structure frame.

Basis of Payment: The work will be paid for at the contract unit price per each for SEDIMENT CONTROL, INLET FILTERS, which price shall include all costs for labor, materials, equipment, and incidentals necessary to perform the work.

SEDIMENT CONTROL, INLET FILTERS CLEANING

Description: This work shall consist of cleaning sediment out of a drainage structure inlet filter when directed by the Engineer. This cleaning work is to be periodically performed as directed by the Engineer, for the duration of the use of each drainage structure inlet filter assembly. The Engineer will be the sole judge of the need for cleaning, based on the rate that debris and silt is collected at each inlet filter location.

Cleaning of the inlet filter shall consist of inspecting, cleaning (includes removal and proper disposal of debris and silt that has accumulated in the filter fabric bag), by vactoring, removing and dumping or any other method approved by the Engineer.

Method of Measurement: Cleaning of the drainage structure inlet filter shall be measured for payment each time that the cleaning work is performed at each of the drainage structure inlet filter locations.

Basis of Payment: The work will be paid for at the contract unit price per each for SEDIMENT CONTROL, INLET FILTERS CLEANING, which price shall include all costs for labor, materials, equipment, and incidentals necessary to perform the work.



Catch-All Inlet Protector

INLET FILTER SYSTEM MATERIALS

I. Non-Woven Polypropylene Filter Geotextile

Property	Test Method	Units	Minimum Average Roll Value (English)
Grab Tensile Strength	ASTM-D-4632	lbs	100
Grab Tensile Elongation	ASTM-D-4632	%	50
Mullen Burst	ASTM-D-3786	psi	225
Puncture	ASTM-D-4833	lbs	65
Trapezoidal Tear	ASTM-D-4533	lbs	45
UV Resistance	ASTM-D-4355	% @ hrs	70 @ 500
Hydraulic			
Apparent Opening Size	ASTM-D-1420	US Sieve	70
Permittivity	ASTM-D-4491	Sec. - 1	2.0
Flow Rate	ASTM-D-4491	Gal/min/ft ²	145

II. Reinforcing Polyester Outer Mesh Fabric

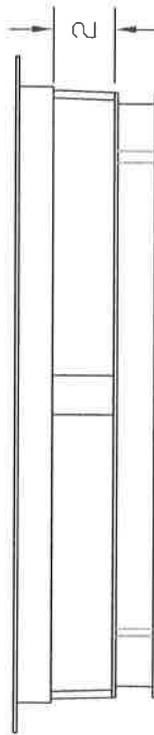
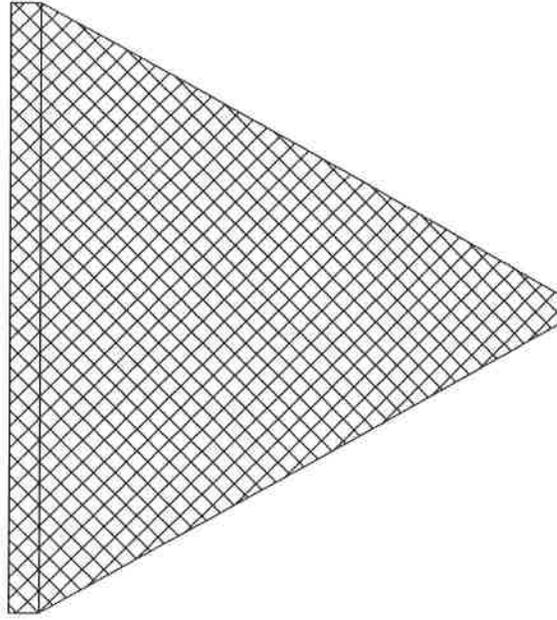
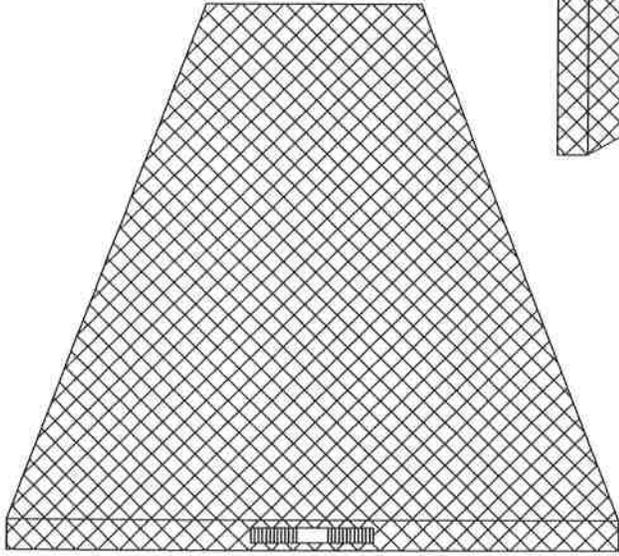
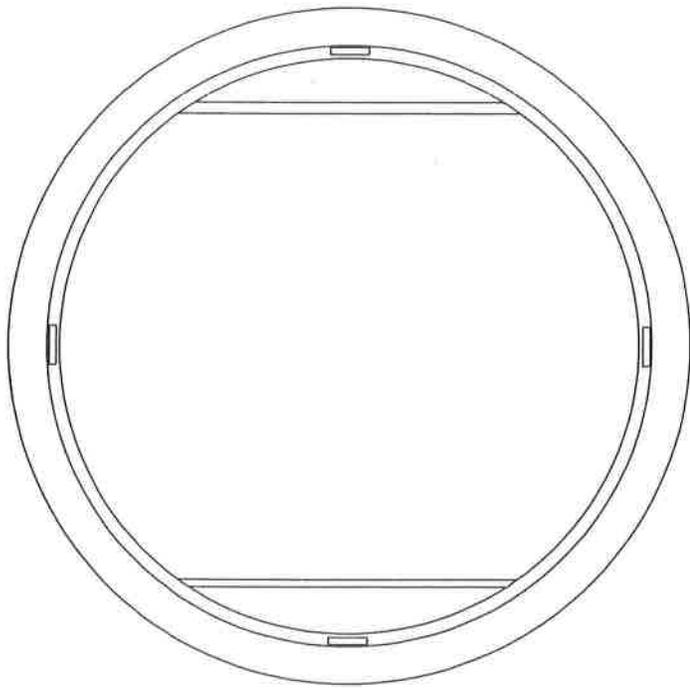
Property	Test Method	Value
Content	ASTM-D-629	Polyester
Weight (oz/yd ²)	ASTM-D-3776	4.55 ± 15%
Whales (holes) inch	ASTM-D-3887	7.5 ± 2
Chorses (holes) inch	ASTM-D-3887	15.5 ± 2
Instronball Burst (psi)	ASTM-D-3887	120 min
Thickness	ASTM-D-1777	.040 ± .005

III. HR (Hydrocarbon Removal) Pillow Capacities

HR Pillow - 2.6 oz. Adsorbent/lf.

Type of Oil	Capacity by Weight - Oil / Adsorbent
Diesel	10:1
Fuel Oil	9:1
Machine Oil	8:1
30W Motor Oil	7:1

All capacities are rounded down

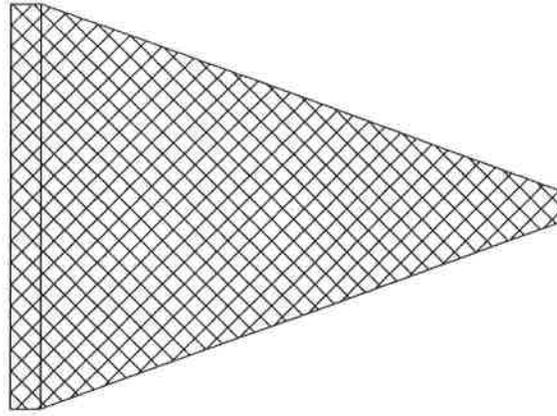
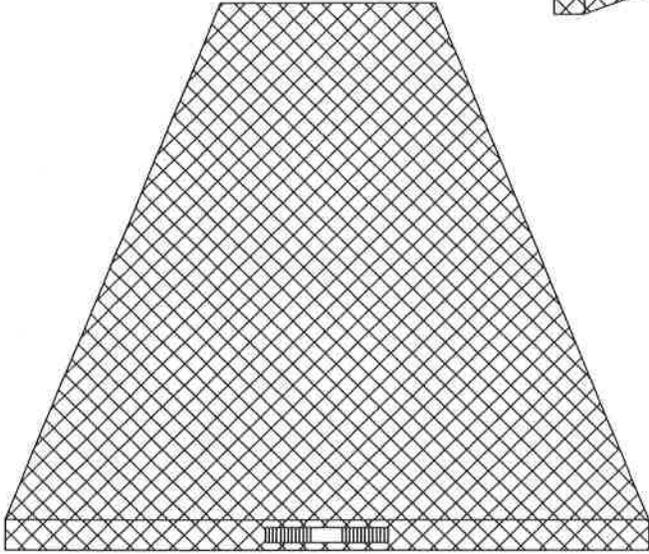
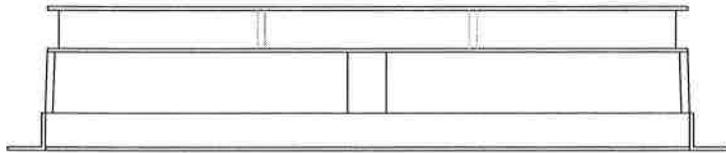
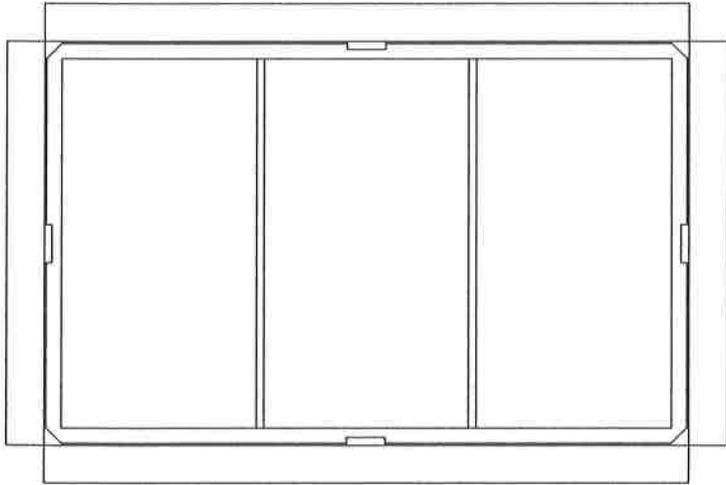


GENERAL NOTES:
 FRAME: Top flange fabricated from 1 1/4" x 1 1/4" x 1/8" angle. Base rim fabricated from 1 1/2" x 1/2" x 1/8" channel. Handles and suspension brackets fabricated from 1 1/4" x 1/4" flat stock. All steel conforming to ASTM-A36.
 SEDIMENT BAG: Bag fabricated from 4 oz./sq.yd. non-woven polypropylene geotextile reinforced with polyester mesh. Bag secured to base rim with a stainless steel band and lock.

DATE	REVISIONS
01-11-02	Original

Typical Round
 Catch-All

Marathon Materials, Inc.



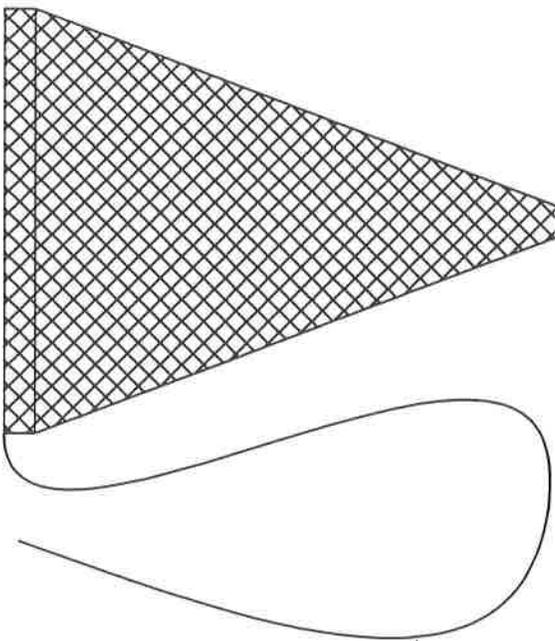
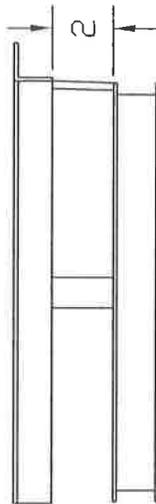
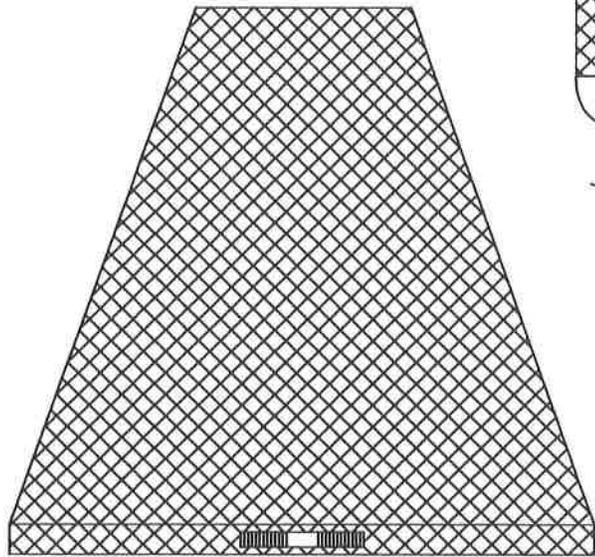
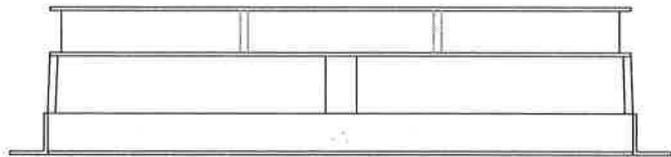
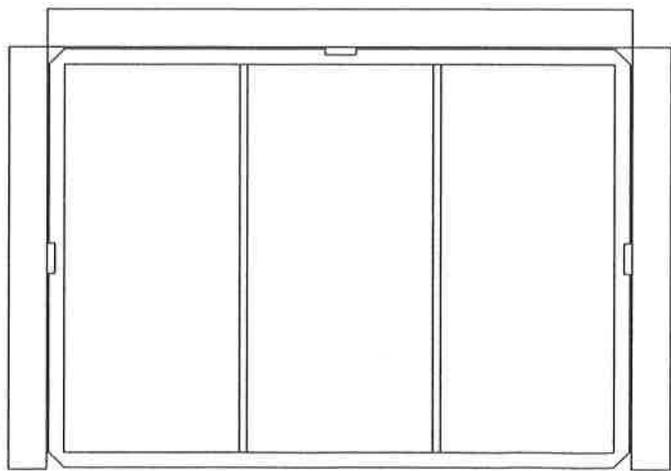
GENERAL NOTES:

FRAME: Top flange fabricated from 1 1/4' x 1 1/4' x 1/8' angle. Base rim fabricated from 1 1/2' x 1/2' x 1/8' channel. Handles and suspension brackets fabricated from 1 1/4' x 1/4' flat stock. All steel conforming to ASTM-A36.
 SEDIMENT BAG: Bag fabricated from 4 oz./sq.yd. non-woven polypropylene geotextile reinforced with polyester mesh. Bag secured to base rim with a stainless steel band and lock.

DATE	REVISIONS
01-22-02	Original

Typical Rectangular
Catch-All

Marathon Materials, Inc.



Fabric Flap to cover curb box

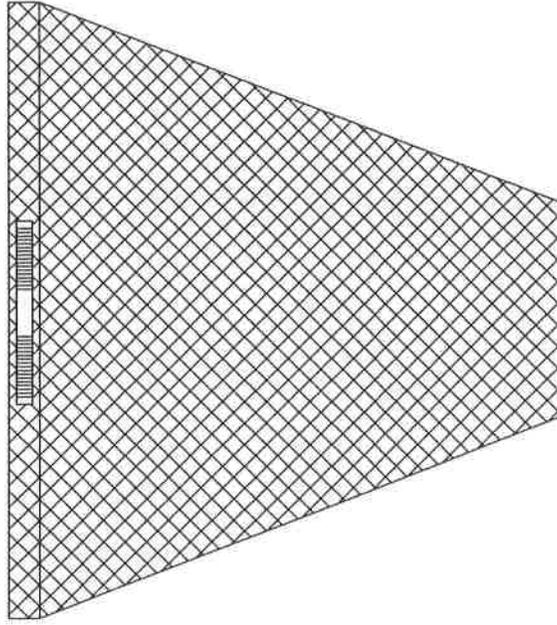
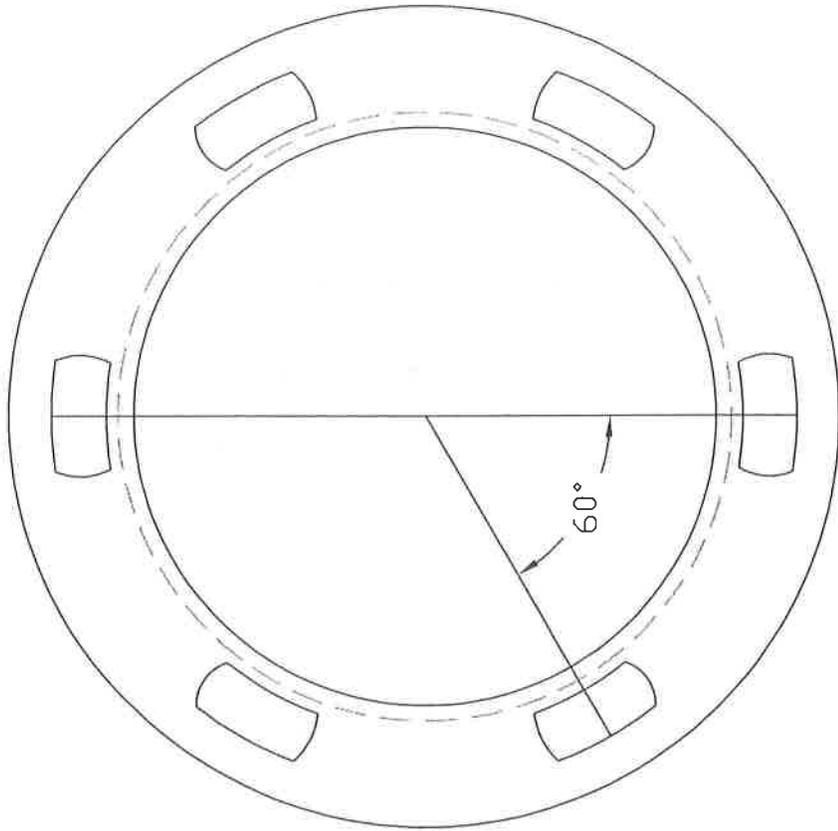
GENERAL NOTES:

FRAME: Top flange fabricated from 1 1/4' x 1 1/4' x 1/8' angle. Base rim fabricated from 1 1/2' x 1/2' x 1/8' channel. Handles and suspension brackets fabricated from 1 1/4' x 1/4' flat stock. All steel conforming to ASTM-A36.
 SEDIMENT BAG: Bag fabricated from 4 oz./sq.yd. non-woven polypropylene geotextile reinforced with polyester mesh. Bag secured to base rim with a stainless steel band and lock.

DATE	REVISIONS
01-11-02	Original
05-07-04	Remove Back Rail

Typical Curb Box
Catch-All

Marathon Materials, Inc.

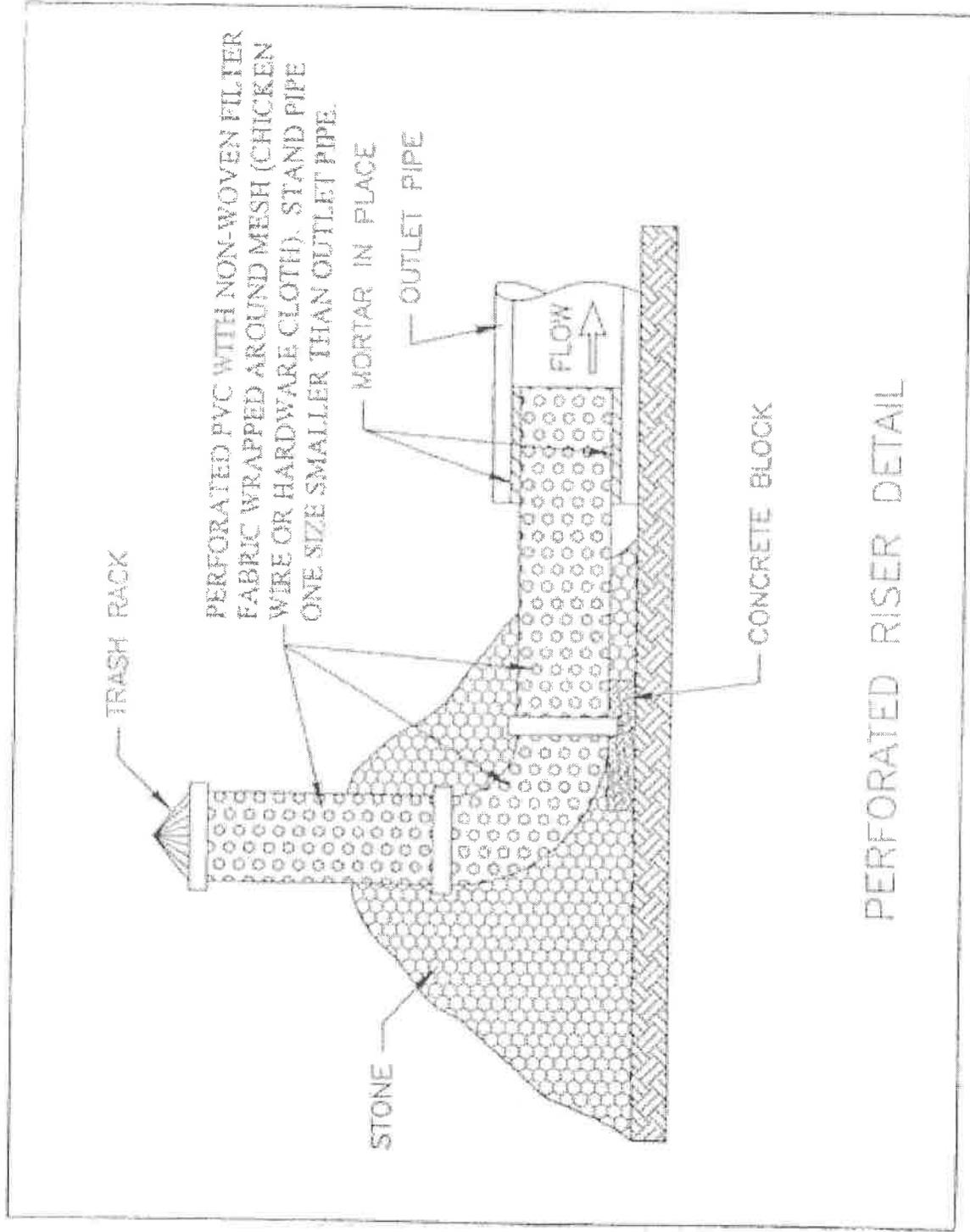


GENERAL NOTES:
 FRAME: Top flange fabricated from 1 1/4" x 1 1/4" x 1/8" angle. Base rim fabricated from 1 1/2" x 1/2" x 1/8" channel. Handles and suspension brackets fabricated from 1 1/4" x 1/4" flat stock. All steel conforming to ASTM-A36.
 SEDIMENT BAG: Bag fabricated from 4 oz./sq.yd. non-woven polypropylene geotextile reinforced with polyester mesh. Bag secured to base rim with a stainless steel band and lock.

DATE	REVISIONS
01-22-02	Original

Typical Beehive
 Catch-All

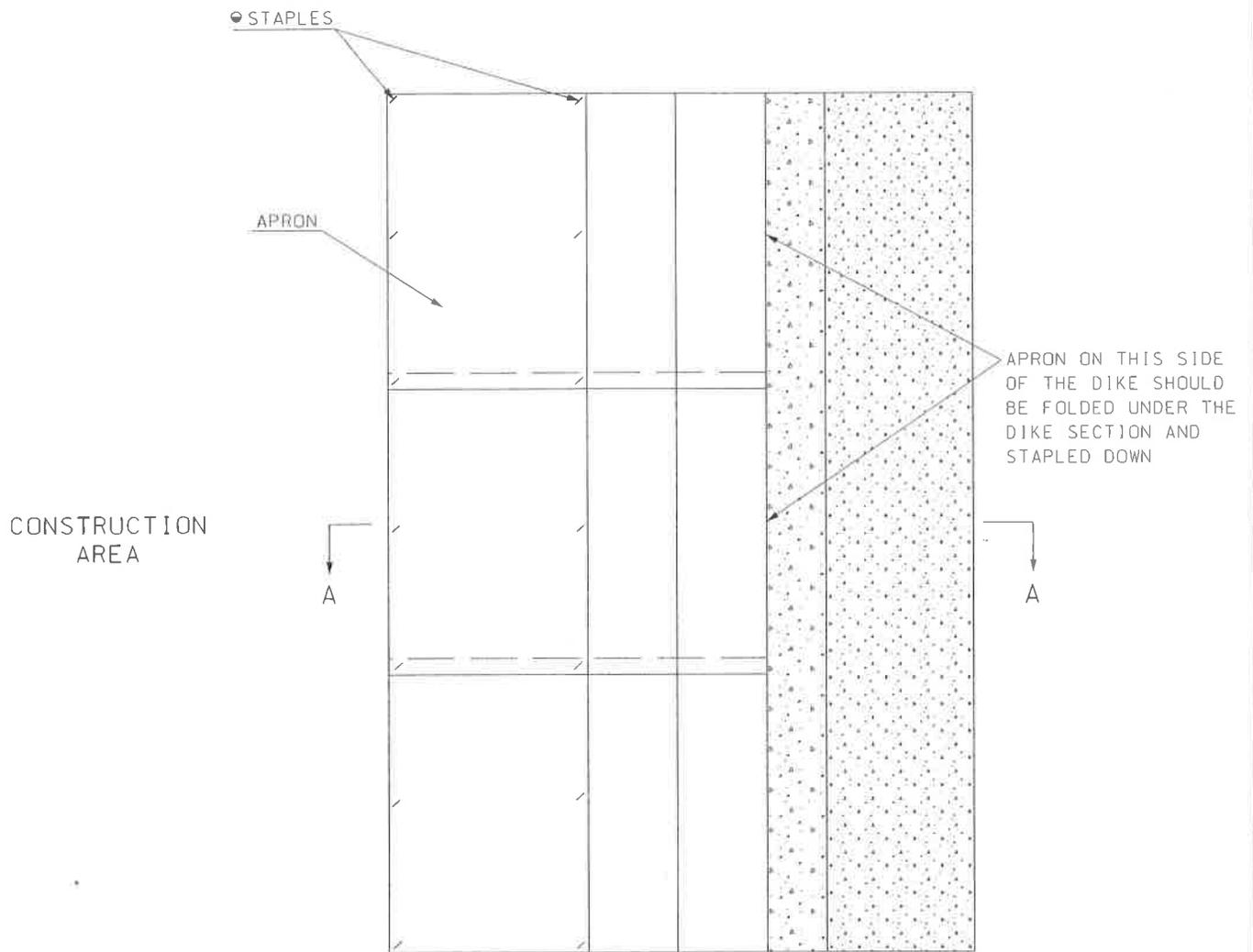
Marathon Materials, Inc.



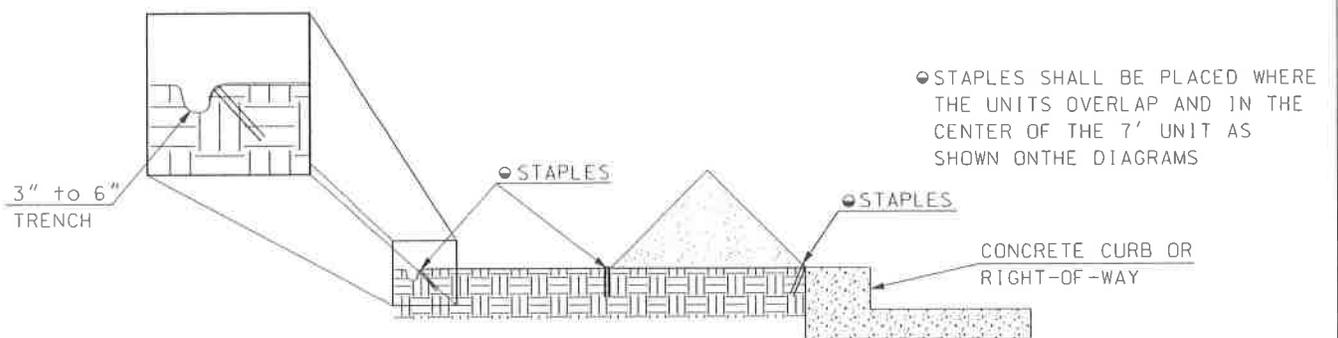
PERFORATED RISER DETAIL

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TRIANGULAR SILT DIKE INSTALLATION FOR CONTINUOUS BARRIER

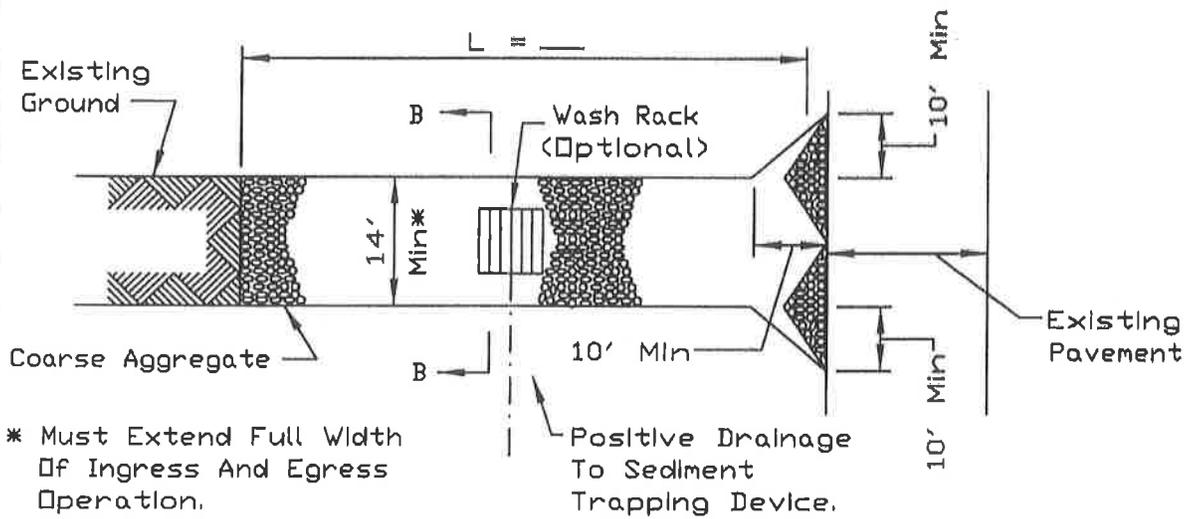


DIKE SECTION

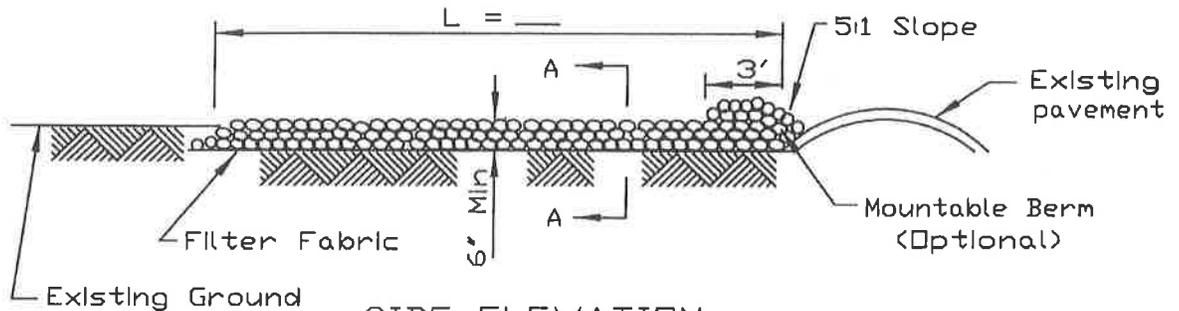


DETAIL A-A

STABILIZED CONSTRUCTION ENTRANCE PLAN



PLAN VIEW



SIDE ELEVATION

NOTES:

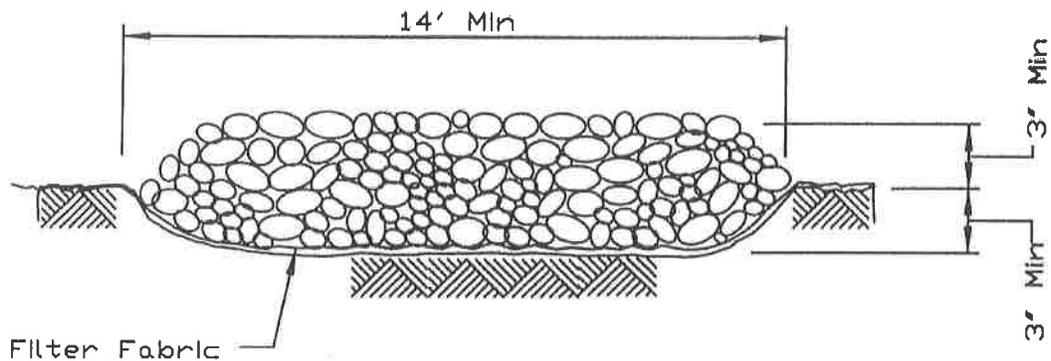
1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table I or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.
2. Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
3. Any drainage facilities required because of washing shall be constructed according to manufacturers specifications.
4. If wash racks are used they shall be installed according to the manufacturer's specifications.

REFERENCE	
Project	_____
Designed	_____ Date _____
Checked	_____ Date _____
Approved	_____ Date _____

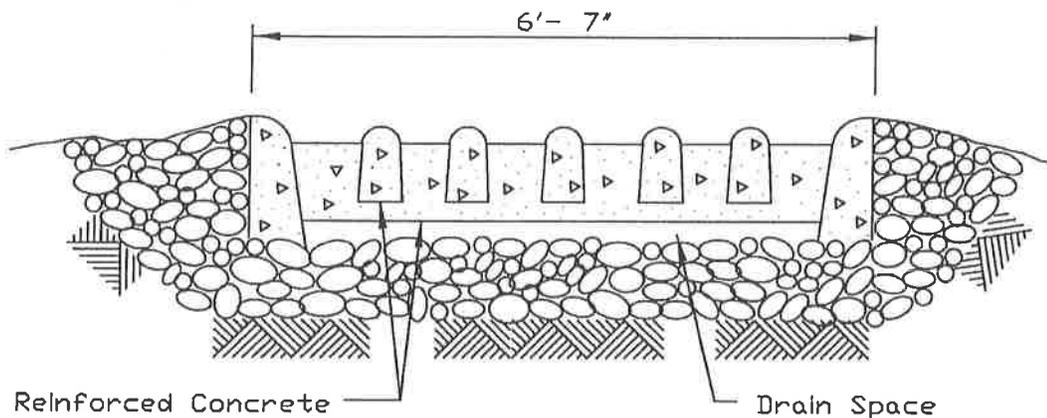


STANDARD DWG. NO.
IL-630
SHEET 1 OF 2
DATE 8-18-94

STABILIZED CONSTRUCTION ENTRANCE PLAN



SECTION A-A



SECTION B-B

REFERENCE
 Project _____
 Designed _____ Date _____
 Checked _____ Date _____
 Approved _____ Date _____



NRCS

Natural Resources Conservation Service

STANDARD DWG. NO.

IL-630

SHEET 2 OF 2

DATE 8-18-94

Illinois Urban Manual
PRACTICE STANDARD
STABILIZED CONSTRUCTION ENTRANCE
CODE 630

DEFINITION

A stabilized pad of aggregate underlain with filter fabric located at any point where traffic will be entering or leaving a construction site to or from a public right-of-way, street, alley, sidewalk, or parking area.

PURPOSE

The purpose of this standard is to reduce or eliminate the tracking of sediment onto public right-of-ways or streets.

CONDITIONS WHERE PRACTICE APPLIES

A stabilized construction entrance shall be used at all points of construction ingress and egress.

CRITERIA

Stabilized construction entrance shall meet the following requirements:

Aggregate size - IDOT coarse aggregate gradations: CA-1, CA-2, CA-3, or CA-4.

Thickness - 6 inches or more.

Stone placement - The stone entrance for the entrance shall be placed according to construction specification 25 ROCKFILL. Placement will be by Method 1 and compaction will be class III.

Width - 14 feet minimum but not less than the full width of ingress or egress points.

Length - As required, but not less than 70 feet, except on a single residence lot where a 30 feet minimum shall apply.

Filter fabric shall be used under the aggregate to minimize the migration of stone into the underlying soil by heavy vehicle loads. The filter fabric shall meet the requirements of materials specification 592 GEOTEXTILE Table 1 or 2, class I, II, or IV.

All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with 5:1 slopes will be permitted.

Washing - If conditions on the site are such that the vehicles traveling over the gravel do not remove the majority of the mud, then the tires of the vehicles must be washed before entering a public road. Wash water must be carried away from the entrance to a sediment trapping facility such as practice standards IMPOUNDMENT STRUCTURE-ROUTED 842 or TEMPORARY SEDIMENT TRAP 960. All sediment shall be prevented from entering storm drains, ditches, watercourses, or surface waters including wetlands. A wash rack may be used to make washing more convenient and effective.

Location - the washing station should be located to provide for maximum utility by all construction vehicles.

Timing - the graveled access shall be installed as soon as practical after the start of site disturbance.

Removal - the entrance shall remain in place and be maintained until the disturbed area is stabilized by permanent best management practices.

CONSIDERATIONS

Improperly planned and maintained construction entrances can become a continual erosion problem.

The tracking of mud from active building sites onto paved roads by construction vehicles can be greatly reduced, and in some cases eliminated, by the use of a stabilized construction entrance. These entrances provide an area where mud can be removed from construction vehicle tires before they enter a public road.

If the action of the vehicle tires traveling over the stone is not sufficient to remove the majority of the mud, then the tires must be washed before the vehicle enters a public road. When washing is required it shall be done on an area stabilized with aggregate, or using a wash rack underlain with gravel. Provisions shall be made to intercept the wash water and trap the sediment before it is

carried off-site. Construction entrances should be used in conjunction with the stabilization of construction roads, and other exposed areas, to reduce the amount of mud picked up by construction vehicles.

PLANS AND SPECIFICATIONS

Plans and specifications for installing stabilized construction entrances shall be in keeping with this standard and shall describe the requirements for applying the practice to achieve its intended purpose. At a minimum include the following items:

1. Location
2. Length
3. Width
4. Thickness
5. Type of materials

All plans shall include the installation, inspection, and maintenance schedules with the responsible party identified.

Standard drawing STABILIZED CONSTRUCTION ENTRANCE PLAN IL-630 may be used as the plan sheet.

OPERATION AND MAINTENANCE

The entrance shall be maintained in a condition that will prevent tracking of sediment onto public right-of-ways or streets. This may require periodic top dressing with additional aggregate. All sediment spilled, dropped, or washed onto public right-of-ways must be removed immediately. Periodic inspection and needed maintenance shall be provided after each rain.

WOOD STAKES DRIVEN THRU
ROLL AND 2' MIN.
BELOW GRADE

WOOD STAKES DRIVEN THRU
ROLL AND 2' MIN.
BELOW GRADE

TRENCH WATTLE 4"
INTO EXISTING GRADE

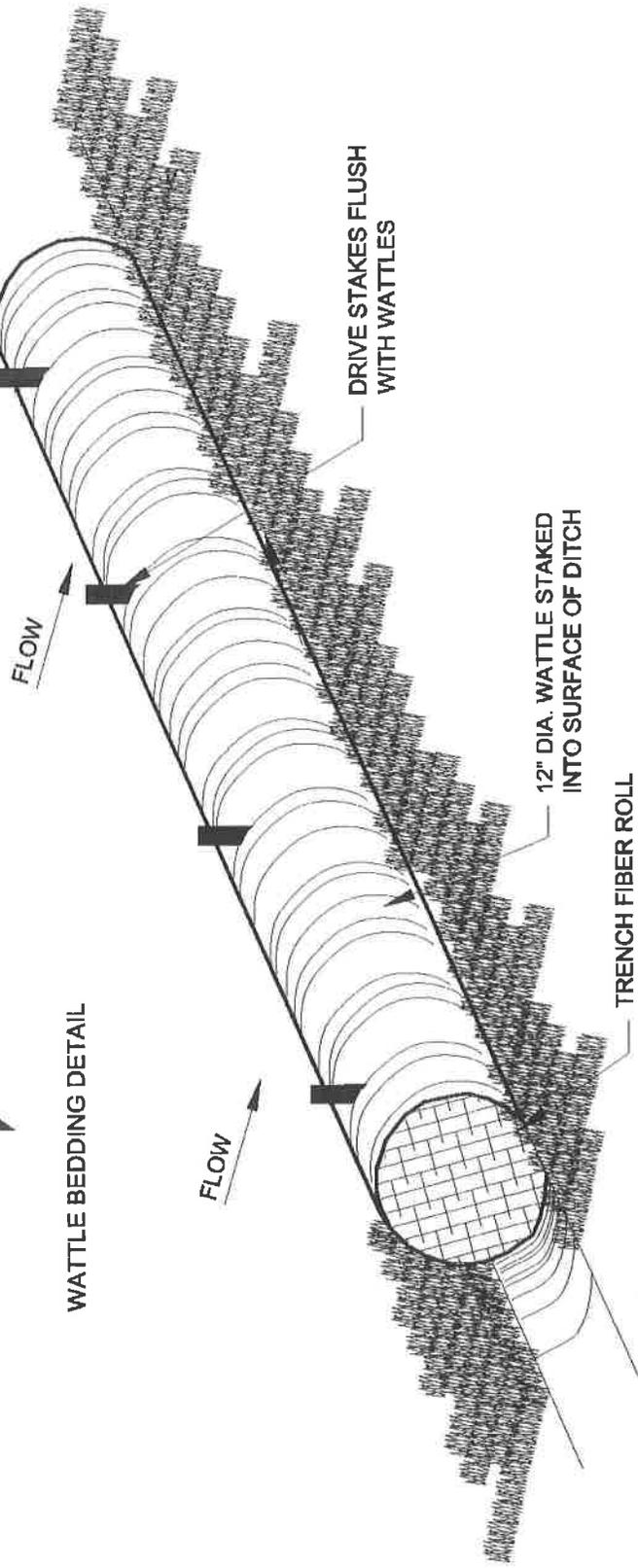
WATTLE BEDDING DETAIL

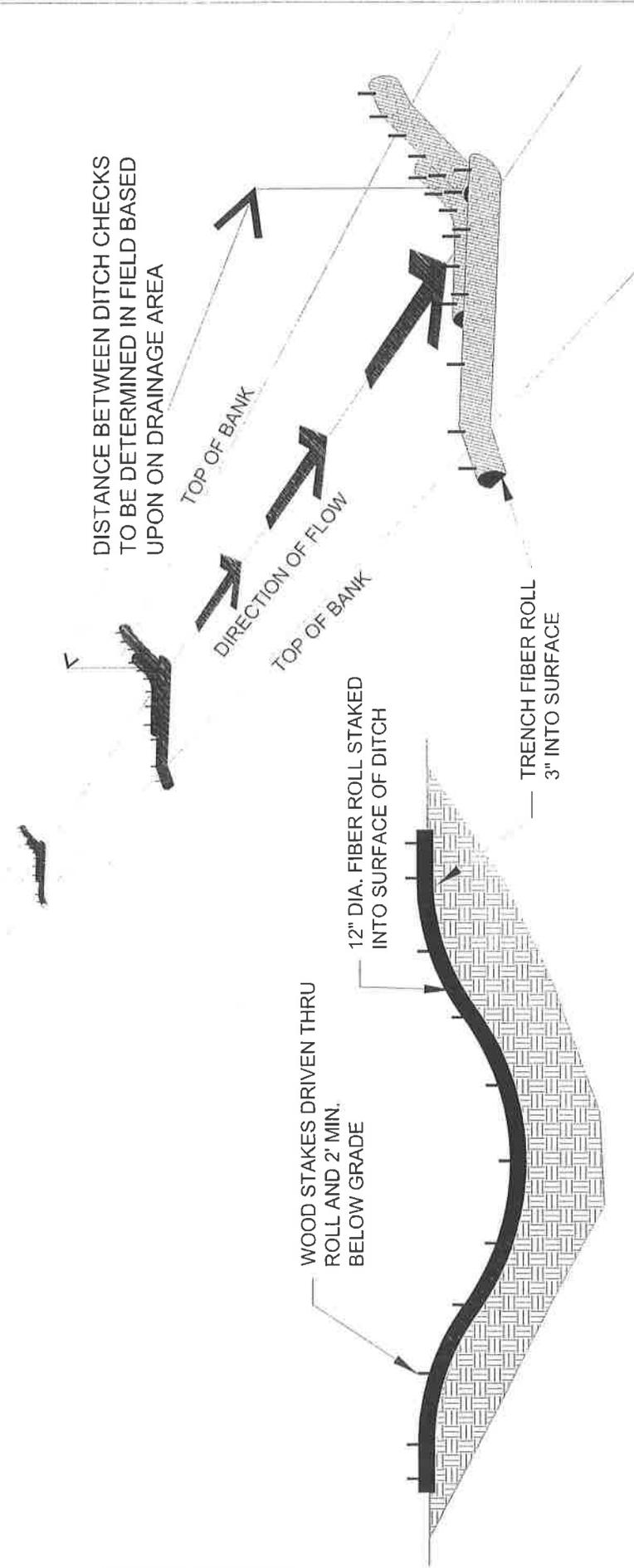
DRIVE STAKES FLUSH
WITH WATTLES

12" DIA. WATTLE STAKED
INTO SURFACE OF DITCH

TRENCH FIBER ROLL
4" INTO SURFACE

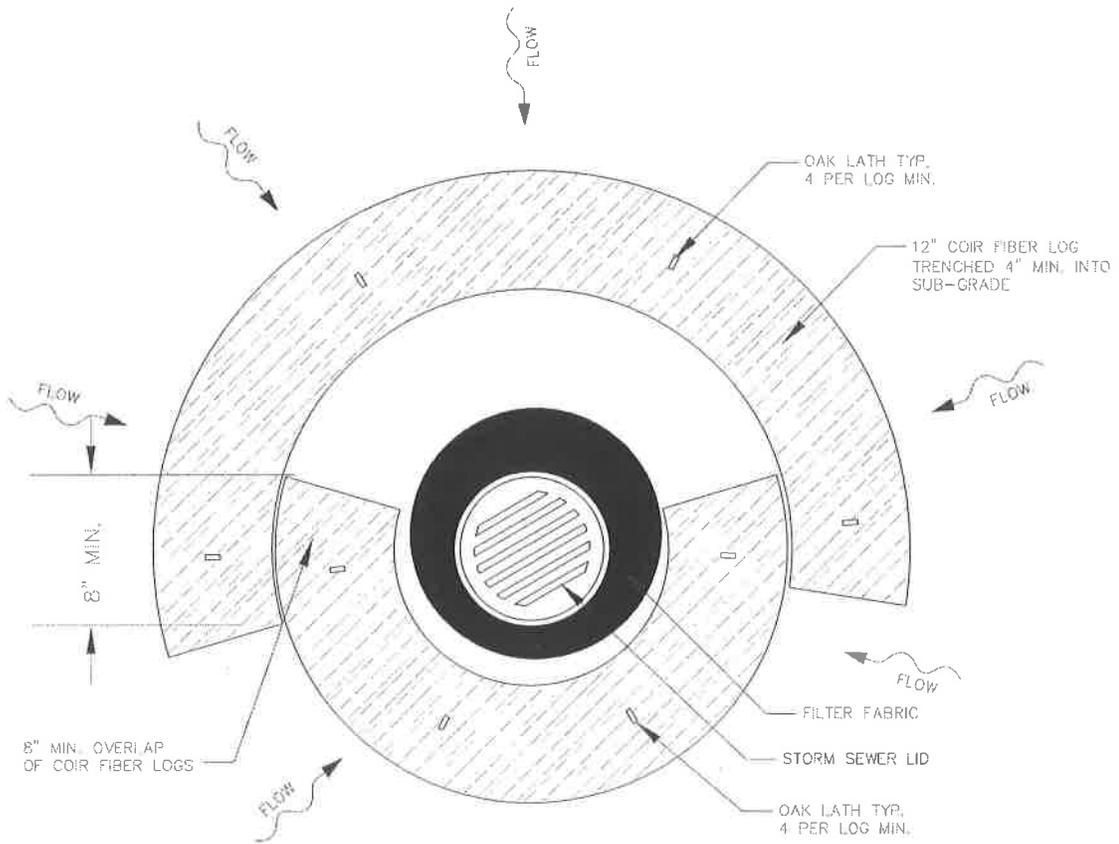
WATTLE BARRIER PLAN





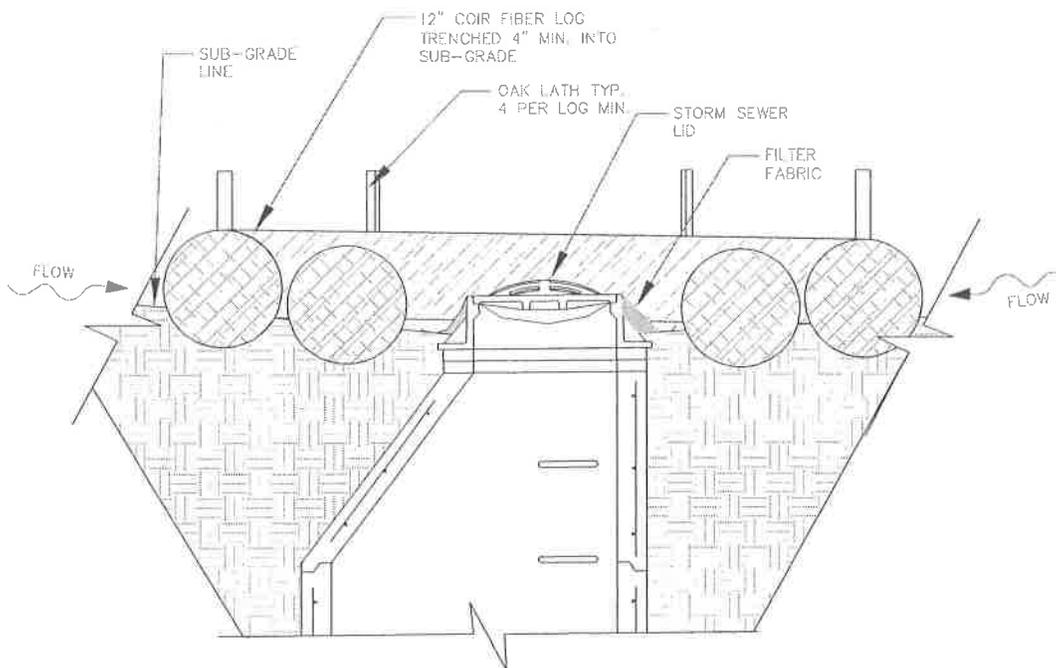
WATTLE CHECK DAM SECTION

WATTLE DITCH CHECK DETAILS



YARD GRATE INLET PROTECTION

PLAN VIEW



YARD GRATE INLET PROTECTION

SECTION

The City of Rolling Meadows, Illinois

3600 Kirschhoff Road
Rolling Meadows, IL 60008
847-394-5500

a great place to call home

City Hall

Community Development

Finance Department

Fire Department

Police Department

Public Works

Public Works Department

3900 Berdick Street
Rolling Meadows, Illinois 60008
847-963-0500

STORMWATER MANAGEMENT

PW Home

Citizen Report

News Updates

Refuse Guidelines

Public Works Divisions

Recycle

Snow and Ice Control

Sanitary Sewer

Parkways

Stormwater

What is storm water?

Storm water is water from precipitation that flows across the ground and pavement when it rains or when snow and ice melt. The water seeps into the ground or drains into what we call storm sewers. These are the drains you see at street corners or at low points on the sides of your streets. Collectively, the draining water is called storm water runoff and is a concern to us in commercial and industrial sites as well as your neighborhood because of the pollutants it carries.

Where does the storm water go?

Storm water that does not evaporate or seep into the ground drains into over 54 miles of underground storm sewer pipe that carry surface runoff to Salt Creek. Every time it rains, thousands of gallons of storm water enter our storm sewer system. As the runoff flows across lawns, driveways, parking lots and streets, it collects pollutants.

What is storm water pollution?

Many people think that pollution in our streams, rivers and lakes only comes from industrial facilities or wastewater treatment plants. What people don't realize is that if all these sources of pollution were eliminated, up to half of the pollution would still remain.

The remaining source of pollution that is not caused by specific, identifiable sources are called non-point source pollution. Non-point source pollution is the result of everyday activities. Typical pollutants in urban areas include litter, sediments from exposed soil, pet waste, detergents, pesticides and fertilizers from lawns and gardens, paints, oil, grease and toxic chemicals from motor vehicles, road salts, and household hazardous wastes.

When these materials are improperly used or disposed of, they can be picked up by storm water runoff as it flows across streets, parking lots and lawns. After this storm water runoff travels through the storm sewer system, it is discharged to receiving waters without any treatment. As a result, any pollutant that is dumped on the ground can end up in our creeks, rivers and lakes.

There are serious problems associated with polluted storm water. The pesticides, bacteria and chemicals that may be present in polluted storm water can pose a health risk to people. Aquatic plants and animals living in streams and rivers may become sick or die from contact with polluted storm water. Clogged catch basins can be unsightly and can cause flooding problems.

Since storm water is naturally channeled to or flows through underground pipes to Salt Creek there is no opportunity for treatment to remove pollution. So, each of us must be careful to minimize or eliminate substances which may inadvertently pollute our waterways when it rains.

10 EASY WAYS YOU CAN STOP STORM WATER POLLUTION

1. Repair oil and cooling system leaks on your car and dispose of used auto fluids and batteries at designated drop-off or recycling locations. Recycle your used motor oil. On annual collection days take household hazardous waste to drop-off locations. Never pour used motor oil or other hazardous materials into a storm drain. Contact the Solid Waste Management Agency of Northern Cook County (SWANCC) for more information on recycling and disposal at 847-296-9205 or at www.swancc.org.
2. Properly manage and dispose of yard wastes (grass clippings, leaves, etc.) and don't put them in the street, gutter or a storm drain. Contact the Public Works Department for more information on leaf and brush pickup programs offered by the City at 847-963-0500.
3. Use a proper container for your trash and recyclables. Don't put trash into the street or gutter where it can be washed into the storm sewer system. For more information on recycling, contact the Solid Waste Management Agency of Northern Cook County (SWANCC) at 847-296-9205 or at www.swancc.org.
4. Use lawn and garden fertilizers sparingly, and learn about Integrated Pest Management (IPM). Always follow the manufacturer's instructions when using pesticides, herbicides or fertilizers on your lawn or garden. Please don't "double the dose" just for good measure.
5. Pick up after your pet. If you have a dog, clean up its waste and don't allow it to pollute storm water runoff. You can properly dispose of pet waste by flushing it down the toilet or placing it in the trash for regular pickup.
6. Use water-based paints such as latex and wash paintbrushes in the sink with water. When using paint thinner, reuse and recycle it. Never pour unused paint or paint thinner into a storm drain.
7. Take your car to the car wash instead of washing it in the driveway. The runoff from home car washing can contain detergents that are harmful to aquatic life.
8. Use non-toxic alternatives to conventional household cleaners whenever possible. Contact the Solid Waste Management Agency of Northern Cook County (SWANCC) at 847-296-9205 or at www.swancc.org for additional information.
9. Educate your family, friends and neighbors about storm water pollution. Spread the word.
10. Report polluters. If you see a potential storm water quality problem, please call the City of Rolling Meadows Public Works Department at 847-963-0500. Remember, water pollution is everyone's concern.

CITY OF ROLLING MEADOWS STORMWATER MANAGEMENT PROGRAM

The City of Rolling Meadows Stormwater Quality Management Program was established in 2003 in response to the Federal EPA National Pollutant Discharge Elimination System (NPDES) Phase II rule. A key objective of this regulation is the control and reduction of storm water pollution in urban areas.

In accordance with the NPDES Phase II regulations, the City of Rolling Meadows has developed a storm water quality management plan that is based on a set of best management practices (BMPs) in six different categories:

1. Public Education And Involvement
2. Public Participation
3. Illicit Discharge Detection And Elimination
4. Construction Site Storm Water Runoff Control
5. Post-Construction Storm Water Management
6. Pollution Prevention/Good Housekeeping

In accordance with the Phase II rule, records will be kept on all program activities and included in annual reports. In the State of Illinois, oversight of municipal Phase II programs is provided by the Illinois Environmental Protection Agency (IEPA).

NPDES PHASE II PERMIT FOR CONSTRUCTION ACTIVITIES

As part of the Phase II rule for construction activities such as road building, construction of residential, industrial and commercial buildings or demolition which disturbs 1 acre or more, require a NPDES Permit for Construction Activities issued by IEPA. Information on Construction Permit Requirements can be found at: www.epa.state.il.us/water/permits/storm-water/construction.html.

FOR QUESTIONS OR TO REPORT A STORMWATER MANAGEMENT PROBLEM OR ENVIRONMENTAL EMERGENCY:

- * To report a storm water problem or environmental emergency directly to IEPA go to: www.epa.state.il.us/comments.html
- * For questions regarding the City of Rolling Meadows storm water program, or to report a storm water problem, contact the Public Works Department at 847-963-0500 or by e-mail (Resident.Service.Request).

STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

Ordinance No. 05-35

Chapter 38 "Environment," Article III of the Code of Ordinances is hereby amended by adding thereto the following:

Sec. 38-139. Standard adopted.

The standards and requirements of the most recent edition, published as of the date of the adoption of this Code of Ordinances, of the pamphlet, "Standards and Specifications for Soil Erosion and Sediment Control," as compiled by the Northeast Illinois Natural Resource Service Center, the Northeastern Illinois Planning Commission, the Soil and Water Conservation Districts, and the Soil Conservation Service of the U.S. Department of Agriculture and approved by the North Cook County Soil and Water Conservation District, and the National Pollutant Discharge Elimination System (NPDES) as authorized by the Clean Water Act, are incorporated into this article and made a part of this article by this reference, for the purpose of exemplifying the considerations and factors which should enter into the preparation of a site development plan.

INSPECTION AND ENFORCEMENT OF EROSION AND SEDIMENT CONTROL MEASURES

Ordinance No. 05-34 XVII. **Soil Erosion Control**

Appendix B "Schedule of Rates, Fees, Fines and Penalties," Article XVII of the Code of Ordinances is hereby amended by adding thereto, the following:

- A. Fines for Violation of Chapter 16 ½ [Article III of Chapter 38] [Section 16 ½ -49 (38-142)] :
1st Offense: Written Statement of Non-Compliance
2nd Offense: \$50 per acre of development in non-compliance
3rd Offense: \$100 per acre of development in non-compliance
4th Offense: \$200 per acre of development in non-compliance
Offenses are cumulative with regard to fines.
- B. Inspections for Erosion and Sedimentation Control shall be performed by the City Engineer and Public Works Department once every two weeks during construction. The fee for these inspections is \$135 (\$90 City Engineer, \$45 Public Works) for projects 5.0 acres and less. For projects over 5.0 acres in size, the fee is \$270 (\$180 City Engineer, \$90 Public Works). Inspection fees will be invoiced quarterly, in advance for each quarter. If delinquent in payment for previous quarter, the project can be suspended, until fees are paid.

STORMWATER MANAGEMENT FEE

Ordinance No. 01-19 Sec. 110-186

Chapter 110 "Utilities," Division 6. Stormwater Management Fee – Sec. 110 -186 established a Stormwater Management Fee. Revenue from the stormwater management fee is used to maintain the City's storm sewer infrastructure, including 60 miles of underground storm sewer lines, 5 miles of open drainage ditches, 100 culverts, 3,000 catch basins and inlet structures, 1,500 storm sewer manholes, 43 outfalls, 11 miles of Salt Creek streambank, and numerous detention and retention facilities; implement new stormwater management programs mandated by the Federal Clean Water Act, and fund capital projects such as repair and improvement of the underground storm sewer system, streambank stabilization, and rear-yard drainage projects.

For current rates click [here](#)

For additional information on surface water quality and storm water pollution prevention issues, click on the links

below:

Illinois Environmental Protection Agency	www.epa.state.il.us
United States Environmental Protection Agency	www.epa.gov/npdes/index.cfm
Salt Creek Watershed Network	www.saltcreekwatershed.org
Metropolitan Water Reclamation District of Greater Chicago	Stormwater Mgmt Brochure

["Salt Creek Stream Bank Stabilization Stage 3" Public Education Program Presentation](#)

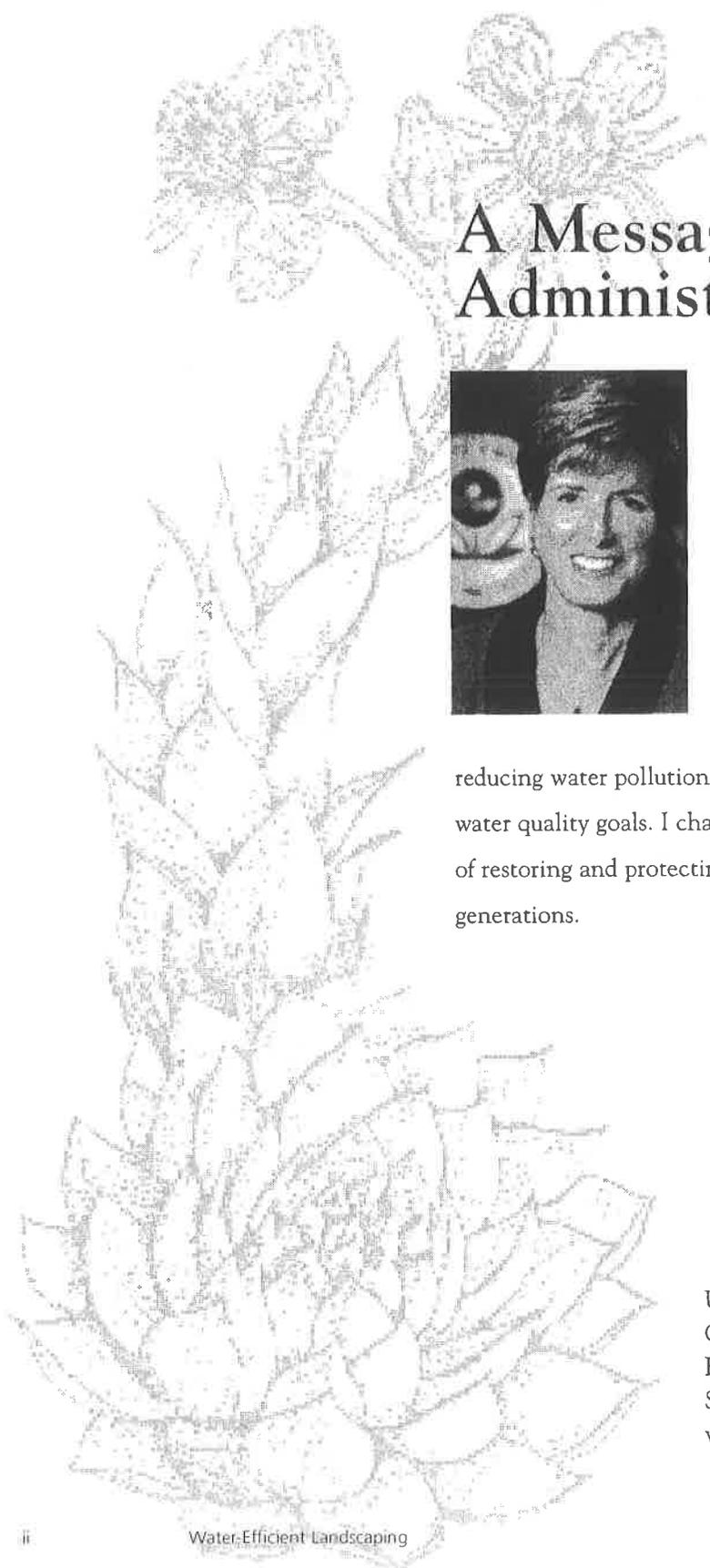
[Back to Top](#)



Water-Efficient Landscaping:



Preventing
Pollution &
Using Resources
Wisely



A Message from the Administrator

Christine Todd Whitman



I believe water is the biggest environmental issue we face in the 21st Century in terms of both quality and quantity. In the 30 years since its passage, the Clean Water Act has dramatically increased the number of waterways that are once again safe for fishing and swimming. Despite this great progress in

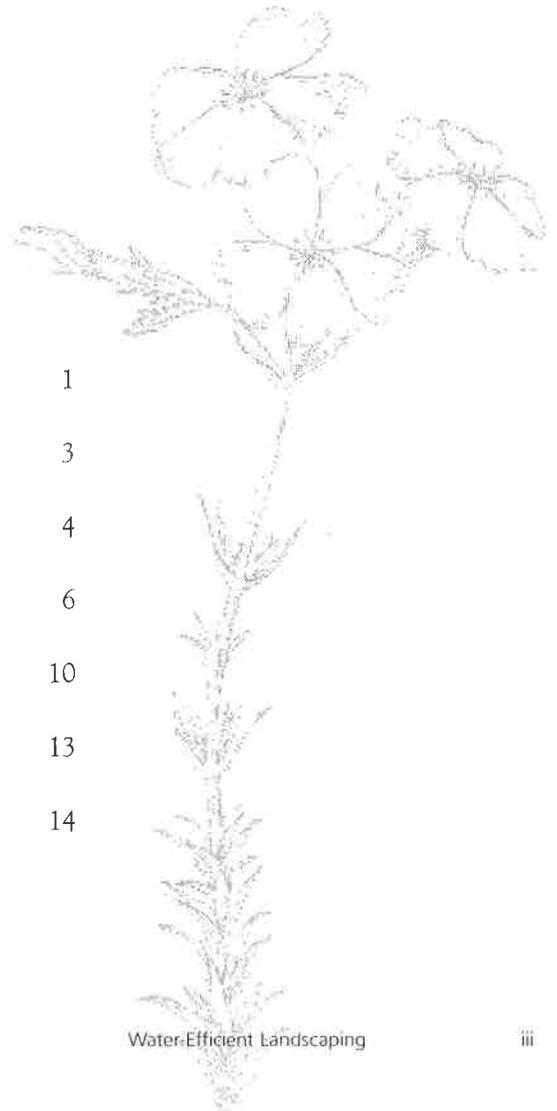
reducing water pollution, many of the nation's waters still do not meet water quality goals. I challenge you to join with me to finish the business of restoring and protecting our nation's waters for present and future generations.

United States Environmental Protection Agency
Office of Water (4204M)
EPA832-F-02-002
September 2002
www.epa.gov/owm/water-efficiency/index.htm



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What is Water-efficient Landscaping?

Water, many agree, is our most precious natural resource; without it, life ceases. Yet judging by our water use and consumption practices, many of us in the United States seem to take it for granted. A typical household uses approximately 260 gallons of water per day. "Water conscious" individuals often install high-efficiency shower heads and toilets and wash only full loads of clothes and dishes to reduce consumption. But in the summer, the amount of water used outdoors by a household can exceed the amount used for all other purposes in the entire year. This is especially true in hot, dry climates.

Gardening and lawn care account for the majority of this seasonal increase, but other outdoor activities, such as washing cars and filling swimming pools, also contribute. According to the U.S. Geological Survey, of the 26 billion gallons of water consumed daily in the United States¹, approximately 7.8 billion gallons, or 30 percent², is devoted to outdoor uses. The majority of this is used for landscaping. In fact, it is estimated that the typical suburban lawn consumes 10,000 gallons of water above and beyond rainwater each year (Vickers, p 140).

Many mistakenly believe that stunning gardens and beautiful lawns are only possible through extensive watering, fertilization, and pesticide application. As this booklet will demonstrate, eye-catching gardens and landscapes that save water, prevent pollution, and

protect the environment are, in fact, easily achieved by employing water-efficient landscaping. Water-efficient landscaping produces attractive landscapes because it utilizes designs and plants suited to local conditions.

This booklet describes the benefits of water-efficient landscaping. It includes several examples of successful projects and programs, as well as contacts, references, and a short bibliography. For specific information about how to best apply water-efficient landscaping principles to your geographical area, consult with your county

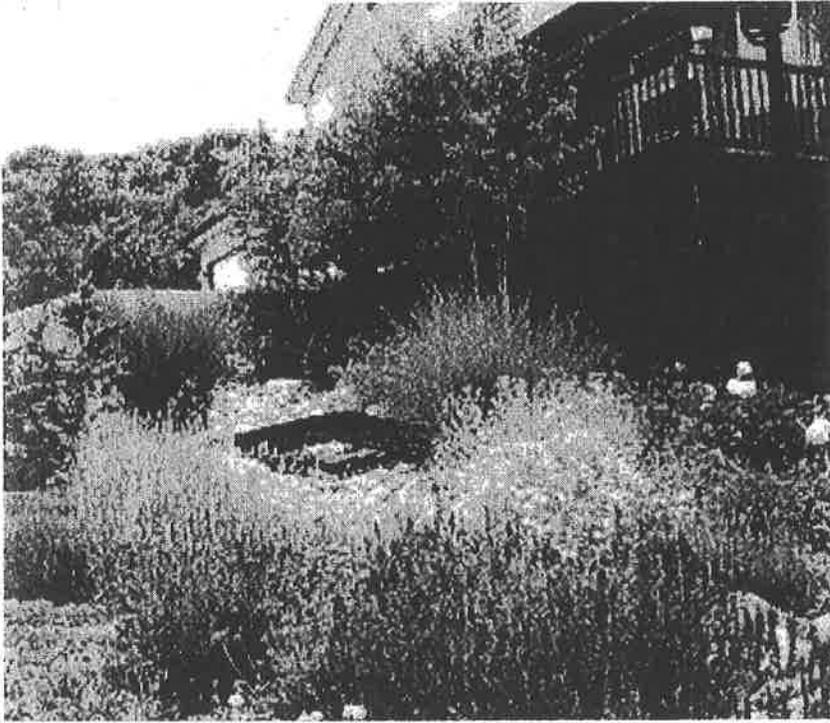


Xeriscape garden at Denver Water

extension service and local garden and nursery centers. Local governments and water utilities also possess a wealth of information and suggestions for using water more efficiently in all aspects of your life, including landscaping.

¹ W.B. Solley, R.R. Pierce, and H.A. Perlman. 1998. *Estimated Use of Water in the United States in 1995* (USGS Circular 1200). USGS. Reston, VA. p.27.

² Amy Vickers. 2001. *Handbook of Water Use and Conservation*. WaterPlow Press. Amherst, MA. p. 140.



Xeriscaped front yard in Colorado Springs

Many terms and schools of thought have been used to describe approaches to water-efficient landscaping. Some examples include “water-wise,” “water-smart,” “low-water,” and “natural landscaping.” While each of these terms varies in philosophy and approach, they are all based on the same principles and are commonly used interchangeably. One of the first conceptual approaches developed to formalize these principles is known as “Xeriscape³ landscaping.” Xeriscape landscaping is defined as “quality landscaping that conserves water and protects the environment.” The word “Xeriscape” was coined and copyrighted by

Denver Water Department in 1981 to help make water conserving landscaping an easily recognized concept. The word is a combination of the Greek word “xeros,” which means “dry,” and “landscape.”

The seven principles upon which Xeriscape landscaping is based are:

- Proper planning and design
- Soil analysis and improvement
- Appropriate plant selection
- Practical turf areas
- Efficient irrigation
- Use of mulches
- Appropriate maintenance

The eight fundamentals of water-wise landscaping, below, illustrate the similarities in the underlying concepts and principles of Xeriscape landscaping and other water-efficient approaches.

- Group plants according to their water needs.
- Use native and low-water-use plants.
- Limit turf areas to those needed for practical uses.
- Use efficient irrigation systems.
- Schedule irrigation wisely.
- Make sure soil is healthy.
- Remember to mulch.
- Provide regular maintenance.

In short, plan and maintain your landscape with these principles of water efficiency in mind and it will continue to conserve water and be attractive.

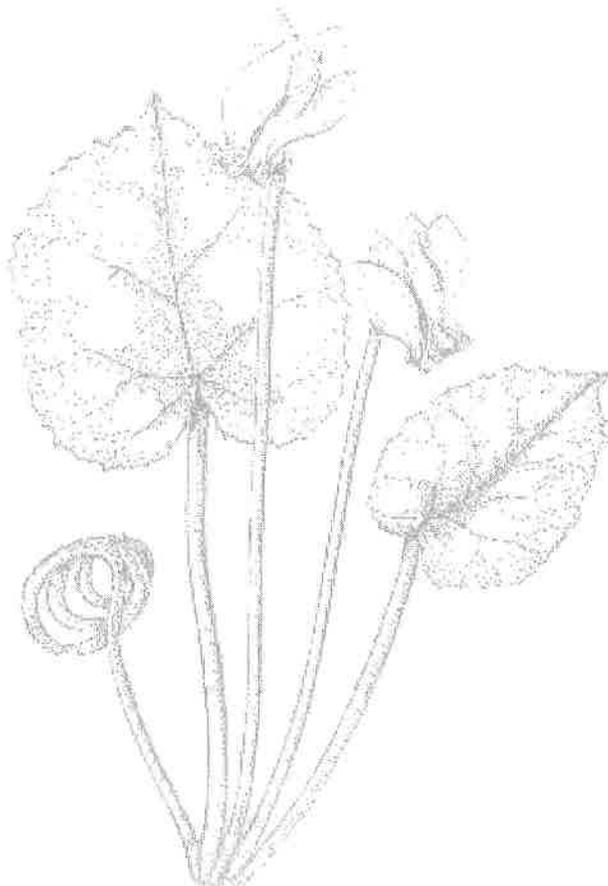
³ Denver Water welcomes the use of the term Xeriscape in books, articles, and speeches promoting water conserving landscape. EPA is using this term with permission from Denver Water. For permission to use “Xeriscape” in your publications, call Denver Water at 303 628-6330.

Why Use Water-efficient Landscaping?

Proper landscaping techniques not only create beautiful landscapes, but also benefit the environment and save water. In addition, attractive, water-efficient, low-maintenance landscapes can increase home values.

Water-efficient landscaping offers many economic and environmental benefits, including:

- Lower water bills from reduced water use.
- Conservation of natural resources and preservation of habitat for plants and wildlife such as fish and waterfowl.
- Decreased energy use (and air pollution associated with its generation) because less pumping and treatment of water is required.
- Reduced home or office heating and cooling costs through the careful placement of trees and plants.
- Reduced runoff of stormwater and irrigation water that carries top soils, fertilizers, and pesticides into lakes, rivers, and streams.
- Fewer yard trimmings to be managed or landfilled.
- Reduced landscaping labor and maintenance costs.
- Extended life for water resources infrastructure (e.g., reservoirs, treatment plants, groundwater aquifers), thus reduced taxpayer costs.



Meadow Sage (Salvia pratensis) is the background for New Mexico Evening Primrose (Oenothera berlandieri 'siskiyou')

How is Water-efficient Landscaping Applied?

Landscaping that conserves water and protects the environment is not limited to arid landscapes with only rocks and cacti.



Dragon's Blood Sedum (Sedum spurium) under Honeylocust Trees (Gleditsia triacanthos)

Through careful planning, landscapes can be designed to be both pleasing to the senses and kind to the environment. One simple approach to achieving this is applying and adopting the basic principles of water-efficient landscaping to suit your climatic region. The seven principles of Xeriscape landscaping are used below to describe these basic concepts in greater detail.

Developing a landscape plan is the first and most important step in creating a water-efficient landscape. Your plan should take into account the regional and micro-climatic conditions of the site, existing vegetation, topography, intended uses of the property, and most importantly, the grouping of plants by their water needs. Also consider the plants' sun or shade requirements and preferred soil conditions. A well-thought-out landscape plan can serve as your roadmap in creating beautiful,

water-efficient landscapes and allow you to continually improve your landscape over time.

Soil analysis and improvements

Because soils vary from site to site, test your soil before beginning your landscape improvements. Your county extension service can analyze the pH levels; nutrient levels (e.g., nitrogen, phosphorus, potassium); and the sand, silt, clay, and organic matter content of your soil. It can also suggest ways to improve your soil's ability to support plants and retain water (e.g., through aeration or the addition of soil amendments or fertilizers).

Appropriate plant selection

Your landscape design should take into account your local climate as well as soil conditions. Focus on preserving as many existing trees and shrubs as possible because established plants usually require less water and maintenance. Choose plants native to your region. Native plants, once established, require very little to no additional water beyond normal rainfall. Also, because they are adapted to local soils and climatic conditions, native plants commonly do not require the addition of fertilizers and are more resistant to pests and disease.

When selecting plants, avoid those labeled "hard to establish," "susceptible to disease," or "needs frequent attention," as these types of plants frequently require large amounts of supplemental water, fertilizers, and pesticides. Be careful when selecting non-indigenous species as some of them may become invasive. An invasive plant might be a water guzzler and will surely choke out native species. Your state or county extension service or local nursery can help you select appropriate plants for your area.

The key to successful planting and transplanting is getting the roots to grow into the surrounding soil as quickly as possible. Knowing when and where to plant is crucial to speeding the establishment of new plants. The best time to plant will vary from species to species. Some plants will thrive when planted in a dormant or inactive state. Others succeed when planted during the season when root generation is highest and sufficient moisture is available to support new growth (generally, spring is the best season, but check plant tags or consult with your local nursery for specific species).

Practical turf areas

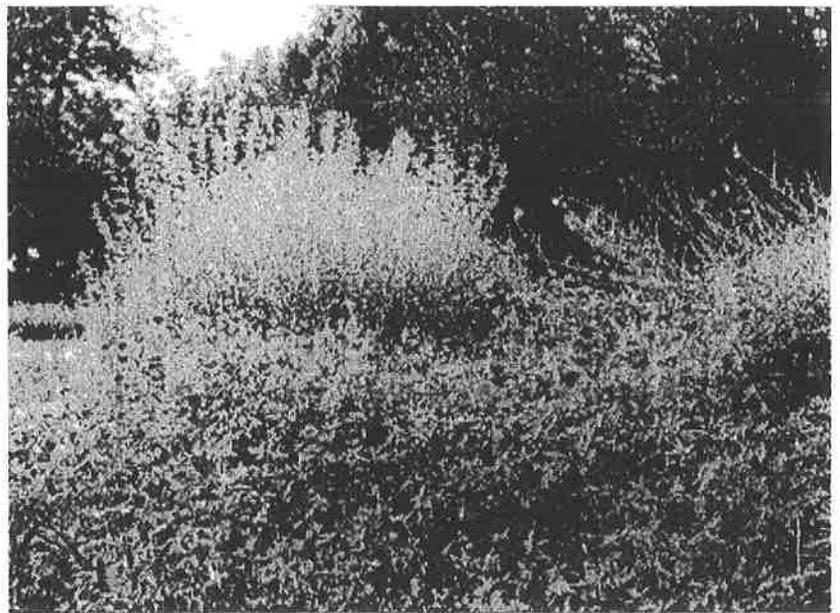
How and where turf is placed in the landscape can significantly reduce the amount of irrigation water needed to support the landscape. Lawns require a large amount of supplemental water and generally greater maintenance than other vegetation. Use turf where it aesthetically highlights the house or buildings and where it has practical function, such as in play or recreation areas. Grouping turf areas can increase watering efficiency and significantly reduce evaporative and runoff losses. Select a type of grass that can withstand drought periods and become dormant during hot, dry seasons. Reducing or eliminating turf areas altogether further reduces water use.

Efficient irrigation

Efficient irrigation is a very important part of using water efficiently outdoors, and applies in any landscape—whether Xeriscape or conventional. For this reason, an entire section of this booklet addresses efficient irrigation; it can be found on page 6.

Use of mulches

Mulches aid in greater retention of water by minimizing evaporation, reducing weed growth, moderating soil temperatures, and preventing erosion. Organic mulches also improve the condition of your soil as they decompose. Mulches are typically composed of wood bark chips, wood grindings, pine straws, nut shells, small



Wine Cup (Callirhoe involucrata) and Sunset Hyssop (Agastache rupestris) in the Denver Water Xeriscape Garden

gravel, or shredded landscape clippings. Avoid using rock mulches in sunny areas or around non-arid climate plants, as they radiate large amounts of heat and promote water loss that can lead to scorching. Too much mulch can restrict water flow to plant roots and should be avoided.

Appropriate maintenance

Water and fertilize plants only as needed. Too much water promotes weak growth and increases pruning and mowing requirements. Like any landscape, a water-efficient yard will require regular pruning, weeding, fertilization, pest control, and irrigation. As your water-efficient landscape matures, however, it will require less maintenance and less water. Cutting turf grass only when it reaches two to three inches promotes deeper root growth and a more drought-resistant lawn. As a rule of thumb, mow your turf grass before it requires more than one inch to be removed. The proper cutting height varies, however, with the type of grass, so you should contact your county extension service or local nursery to find out the ideal cutting height for your lawn. Avoid shearing plants or giving them high nitrogen fertilizers during dry periods because these practices encourage water-demanding new growth.

Water-efficient Landscape Irrigation Methods

With common watering practices, a large portion of the water applied to lawns and gardens is not absorbed by the plants. It is lost through evaporation, runoff, or being pushed beyond the root zone because it is applied too quickly or in excess of the plants' needs. The goal of efficient irrigation is to reduce these losses by applying only as much water as is needed to keep your plants healthy. This goal is applicable whether you have a Xeriscape or a conventional landscape.

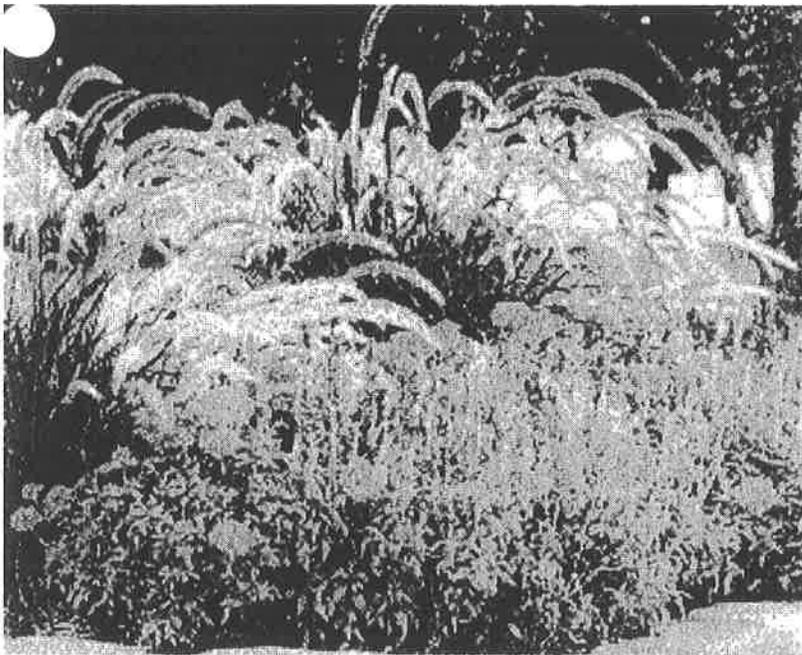
To promote the strong root growth that supports a plant during drought, water deeply and only when the plant needs water. For clay soils, watering less deeply and more often is recommended. Irrigating with consideration to soil

type, the condition of your plants, the season, and weather conditions—rather than on a fixed schedule—significantly increases your watering efficiency. Grouping plants according to similar water needs also makes watering easier and more efficient.

Irrigating lawns, gardens, and landscapes can be accomplished either manually or with an automatic irrigation system. Manual watering with a hand-held hose tends to be the most water-efficient method. According to the AWWA Research Foundation's outdoor end use study, households that manually water with a hose typically use 33 percent less water outdoors than the average household. The study also showed that households with in-ground sprinkler systems used 35 percent more water, those with automatic timers used 47 percent more water, and those with drip irrigation systems used 16 percent more water than households without these types of systems. These results show that in-ground sprinkler and drip irrigation systems must be operated properly to be water-efficient.

You can use a hand-held hose or a sprinkler for manual irrigation. To reduce water losses from evaporation and wind, avoid sprinklers that produce a fine mist or spray high into the air. Soaker hoses can also be very efficient and effective when used properly. Use a hand-held soil moisture probe to determine when irrigation is needed.

To make automatic irrigation systems more efficient, install system controllers such as rain sensors that prevent sprinkler systems from turning on during and immediately after rainfall, or soil moisture sensors that activate sprinklers only when soil moisture levels drop below pre-programmed levels. You can also use a weather-



Purple Fountain Grass (Pennisetum setaceum "Rubrum") and Marigolds (Calendula officinalis) in planter bed

Examples of Successful Water-efficient Landscaping Projects

Water-efficient landscaping techniques can be used by individuals, companies, state, tribal, and local governments, and businesses to physically enhance their properties, reduce long-term maintenance costs, and create environmentally conscious landscapes. The following examples illustrate how water-efficient landscapes can be used in various situations.



Oriental Poppies (Papaver orientale)

Homeowner—public/private partnership

- The South Florida Water Management District, the Florida Nurserymen and Growers Association, the Florida Irrigation Society, and local businesses worked together to produce a television video called “Plant It Smart with Xeriscape.” The video shows how a typical Florida residential yard can be retrofitted with Xeriscape landscaping to save energy, time,

and money. The showcase yard (selected from 70 applicants) had a history of heavy water use—more than 90,000 gallons per month. After the retrofit, the yard’s aesthetic value was enhanced; plus it now uses 75 percent less water and relies on yard trimmings for mulch and compost.

- The Southwest Florida Water Management District (SWFWMD), the City of St. Petersburg, and Pinellas County, Florida, produced a video called “Xeriscape It!” It shows a landscape being installed using the seven Xeriscape principles. The SWFWMD also funded several Xeriscape demonstration sites and maintains a Xeriscape demonstration garden at its Brooksville, Florida, headquarters. The garden features a variety of native and non-native plants and is available for public viewing, along with a landscape plant identification guide.
- Residents of Glendale, Arizona, can receive a \$100 cash rebate for installing or converting more than half of their landscapable area to non-grass vegetation. The Glendale Water Conservation Office conducts an inspection of the converted lawn to ensure compliance with rebate requirements and then issues a rebate check to the homeowner. The purpose of the Landscape Rebate Program is to permanently reduce the amount of water used to irrigate grass throughout Glendale.

State government

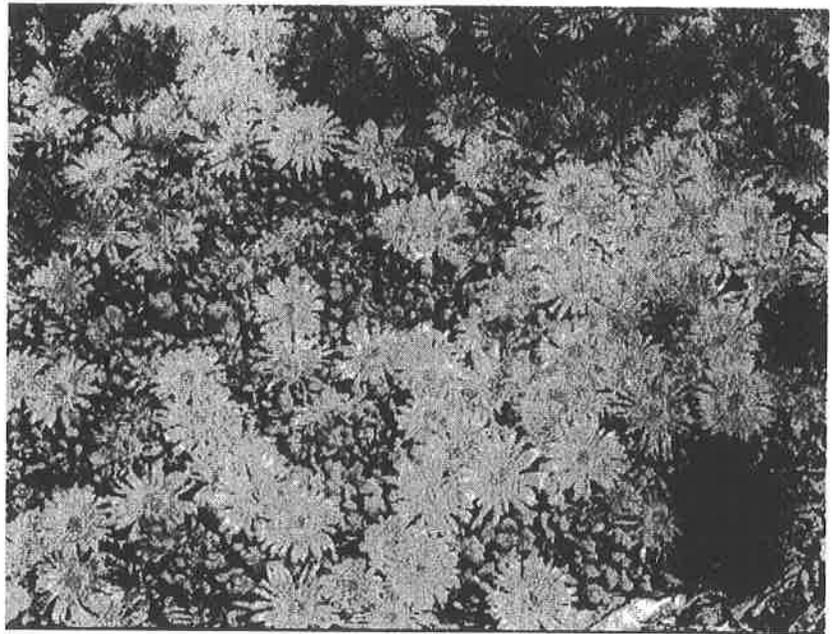
- Although perceived as a water-rich state, Florida became the first to enact a statewide Xeriscape law. Florida’s legislature recognized that its growing population and vulnerable environment necessitated legal safeguards for its water resources. The Xeriscape law requires Florida’s Departments of Management Ser-

vices and Transportation to use Xeriscape landscaping on all new public properties and to develop a 5-year program to phase in Xeriscape on properties constructed before July 1992. All local governments must also consider requiring the use of Xeriscape and offering incentives to install Xeriscaping.

- Texas also developed legislation requiring Xeriscape landscaping on new construction projects on state property beginning on or after January 1994. Additional legislation, enacted in 1995, requires the Department of Transportation to use Xeriscape practices in the construction and maintenance of roadside parks. All municipalities may consider enacting ordinances requiring Xeriscape to conserve water.

City government

In Las Vegas, Nevada, homeowners can receive up to \$1,000 for converting their lawn to Xeriscape, while commercial landowners can receive up to a \$50,000 credit on their water bill. The city and several other surrounding communities hope these eye-catching figures will help Las Vegas meet its goal of saving 25 percent of the water it would otherwise have used by the year 2010; to date, it has saved 17 percent. Local officials plan to reach the target with the assistance of incentive programs encouraging Xeriscape, a city ordinance limiting turf to no more than 50 percent of new landscapes, grassroots information programs, and a landscape awards program specifically for Xeriscaped properties. Preliminary results of a five-year study show that residents who converted a portion of their lawns to Xeriscape reduced total water consumption by an average of 33 percent. The xeric vegetation required less than a quarter of the water typically used and one-third the maintenance (both in labor and expenditures) compared to traditional turf.



Yellow Ice Plant (Delosperma nubigenum) close-up

Developers

Howard Hughes Properties (HHP), a developer and manager of more than 25,000 acres of residential, commercial, and office development property, has enthusiastically used drought tolerant landscaping on all of its properties since 1990. Most of the company's properties are located in Las Vegas, one of the country's fastest growing metropolitan areas. To conserve resources, the city and county have implemented regulations requiring developers to employ certain Xeriscape principles in new projects. Specifically, a limited percentage of grass can be used on projects, and it must be kept away from streets. As the area's first large-scale developer to recognize the need and value in incorporating drought tolerant landscaping in parks, streetscapes, and open spaces, HHP uses native and desert-adaptive plants that survive and thrive in the Las Vegas climate with minimal to moderate amounts of water.

Drip system irrigation controllers are linked to weather stations that monitor the evapotranspiration rate. This allows HHP to determine the correct amount of water to be applied to plants at any given time. HHP tests the irrigation systems regularly and adds appropriate soil amendments to promote healthy plant growth. The maintenance program also includes pest management, the use of mulching mowers, and the use of rock mulch top dressing on all non-turf planting areas. These measures combine to ensure a beautiful, healthy, and responsible landscape.

Public/private partnerships

Even the most water-conscious homeowners in Southern California are over-watering by 50 to

70 gallons per day. The excess water washes away fertilizers and pesticides, which pollute natural waterways. The quantity of water wasted (and the dollars that pay for it) are even more substantial for large-scale commercial properties and developments.

An innovative partnership in Orange County links landscape water management, green mate-

rial management, and non-point source pollution prevention goals into one program—the Landscape Performance Certification Program. This program emphasizes efficient landscape irrigation and features a “landscape irrigation budget” based on a property’s landscape area, type, and the daily weather. The Municipal Water District monitors actual water use through a system of 12,000 dedicated water meters installed by participating landscape managers.

Participants, including landscapers, property managers, and homeowner associations, can compare the actual cost of water used on their property with the calculated budget. Those staying within budget are awarded certification, a proven marketing tool. This new voluntary program is implemented by the Municipal Water District with input from the California Landscape Contractors’ Association, the Orange County Integrated Management Department, the Metropolitan Water District of Southern California, and local nurseries and has the support of 32 retailing water suppliers. The program is already credited with increasing the use of arid-climate shrubs and landscaping to accommodate drip irrigation, and has resulted in cost savings to water customers.



Miscanthus sinensis
(Miscanthus grass, also called Maiden grass) variety with leaves turning yellow for fall.



For More Information

The following list of organizations can provide more information on water-efficient landscaping. This is not meant to be an exhaustive list, rather it is intended to help you locate local information sources and possible technical assistance.

Water Management Districts or Utilities

Your local water management district often can provide information on water conservation, including water efficient landscaping practices. Your city, town, or county water management district can be found in the Blue Pages section of your local phone book or through your city, town, or county's Web site if it has one. If you do not know your city, town, or county's Web site, check for a link on your state's Web site. URLs for state Web sites typically follow this format: <www.state.(two letter state abbreviation).us>.

State/County Extension Services

Your state or county extension service is also an excellent source of information. Many extension services provide free publications and advice on home landscaping issues including tips on plant selection and soil improvement. Some also offer a soil analysis service for a nominal fee. Your county extension service can be found in the Blue Pages section of your local phone book under the county government section or through your county's Web site if it has one. The U.S. Department of Agriculture's Cooperative State Research, Education, and Extension Service (www.ree.usda.gov/statepartners/usa.htm) provides an online directory of land-grant universities which can help you locate your state extension service. Government Guide (www.governmentguide.com) is yet another online resource that might prove helpful in locating state or local agencies.

Organizations

The following is a partial list of organizations located across the United States that provide helpful information on water-efficient landscaping.

American Water Works Association (AWWA)

6666 West Quincy Avenue

Denver, CO 80235

Telephone: 303 794-7711

and

1401 New York Avenue, NW, Suite 640

Washington, DC 20005

Telephone: 202 628-8303

Web: <www.awwa.org>

Arizona Municipal Water Users Association (AMWUA)

Web: <www.amwua.org/program-xeriscape.htm>

BASIN

City of Boulder Environmental Affairs

P.O. Box 791

Boulder, CO 80306

Phone: 303 441-1964

E-mail: basin@bcn.boulder.co.us

Web: <bcn.boulder.co.us/basin/local/seven.html>

Denver Water

1600 West 12th Avenue

Denver, CO 80204

Phone: 303 628-6000

Fax: 303 628-6199

TDD: 303 534-4116

Office of Water Conservation hotline:

303 628-6343

E-mail: jane.earle@denverwater.org

Web: <www.water.denver.co.gov/conservation/conservframe.html>

New Mexico Water Conservation Program/Water Conservation Clearinghouse

P. O. Box 25102

Santa Fe, NM 87504

Phone: 800 WATER-NM

E-mail: waternm@ose.state.nm.us

Fax: 505 827-3813

Web: <www.ose.state.nm.us/water-info/conservation/index.html>

Project WET - Water Education for Teachers

201 Culbertson Hall

Montana State University

Bozeman, MT 59717

Phone: 406 994-5392

Web: <www.montana.edu/wwwwet>

Rocky Mountain Institute

1739 Snowmass Creek Road

Snowmass, CO 81654-9199

Phone: 970 927-3851

Web: <www.rmi.org>



Turkish Speedwell (Veronica liwanensis) in background and tulips in foreground.

Southern Nevada Water Authority
1001 S. Valley View Boulevard, Mailstop #440
Las Vegas, NV 89153
Phone: 702 258-3930
Web: <www.snwa.com>

Southwest Florida Water Management District
2379 Broad Street
Brooksville, FL 34604-6899
Phone: 352 796-7211 or 800 423-1476 (Florida only)
Web: <www.swfwmd.state.fl.us/watercon/xeris/swfxeris.html>

Sustainable Sources Green Building Program: Sustainable Building Source Book
E-mail: info@greenbuilder.com
Web: <www.greenbuilder.com/sourcebook/xeriscape.html>

Water Conservation Garden – San Diego County
12122 Cuyamaca College Drive West
El Cajon, CA 92019
Phone: 619 660-0614
Fax: 619 660-1687

E-mail: info@thegarden.org
Web: <www.thegarden.org/garden/xeriscape/index.html> and <www.sdcwa.org/manage/conservation-xeriscape.phtml>\

WaterWiser: The Water Efficiency Clearing House
(Operated by AWWA in cooperation with the U.S. Bureau of Reclamation)
6666 West Quincy Avenue
Denver, CO 80235
Phone: 800 559-9855
Fax: 303 794-6303
E-mail: bewiser@waterwiser.org
Web: <www.waterwiser.org>

Xeriscape Colorado!, Inc.
P.O. Box 40202
Denver, CO 80204-0202
Web: <www.xeriscape.org>

Resources

The following is a partial list of publications on resource efficient landscaping. For even more information, particularly on plants suited to your locale, consult your local library, county extension service, nursery, garden clubs, or water utility.

Ball, Ken and American Water Works Association Water Conservation Committee. *Xeriscape Programs for Water Utilities*. Denver: American Water Works Association, 1990.

Bennett, Jennifer. *Dry-Land Gardening: A Xeriscaping Guide for Dry-Summer, Cold-Winter Climates*. Buffalo: Firefly, 1998.

Bennett, Richard E. and Michael S. Hazinski. *Water-Efficient Landscape Guidelines*. Denver: American Water Works Association, 1993.

Brenzel, Kathleen N., ed. *Western Garden Book*, 2001 Edition. Menlo Park: Sunset Publishing Corporation, 2001.

City of Aurora, Colorado Utilities Department. *Landscaping for Water Conservation: Xeriscape!* Aurora: Colorado Utilities Department, 1989.

Johnson, Eric and Scott Millard. *The Low-Water Flower Gardener: 270 Unthirsty Plants for Color, Including Perennials, Ground Covers, Grasses & Shrubs*. Tucson: Ironwood Press, 1993.

Knopf, James M. *The Xeriscape Flower Gardener*. Boulder: Johnson Books, 1991.

Knopf, James M., ed. *Waterwise Landscaping with Trees, Shrubs, and Vines: A Xeriscape Guide for the Rocky Mountain Region, California, and the Desert Southwest*. Boulder: Chamisa Books, 1999.

Knox, Kim, ed. *Landscaping for Water Conservation: Xeriscape*. Denver: City of Aurora and Denver Water, 1989.

Nellis, David W. *Seashore Plants of South Florida and the Caribbean: A Guide to Identification and Propagation of Xeriscape Plants*. Sarasota: Pineapple Press, Inc., 1994.

Perry, Bob. *Landscape Plants for Western Regions: An Illustrated Guide to Plants for Water Conservation*. Claremont: Land Design Publishing, 1992.

Phillips, Judith. *Natural by Design: Beauty and Balance in Southwest Gardens*. Santa Fe: Museum of New Mexico Press, 1995.

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- Phillips, Judith. *Plants for Natural Gardens: Southwestern Native & Adaptive Trees, Shrubs, Wildflowers & Grasses*. Santa Fe: Museum of New Mexico Press, 1995.
- Robinette, Gary O. *Water Conservation in Landscape Design and Maintenance*. New York: Nostrand Reinhold, 1984.
- Rumary, Mark. *The Dry Garden*. New York: Sterling Publishing Co., Inc., 1995.
- Springer, Lauren. *The Undaunted Garden: Planting for Weather-Resilient Beauty*. Golden: Fulcrum Publishing, 1994.
- Springer, Lauren. *Waterwise Gardening*. New York: Prentice Hall Gardening, 1994.
- Stephens, Tom, Doug Welsh, and Connie Ellefson. *Xeriscape Gardening, Water Conservation for the American Landscape*. New York: Macmillan Publishing, 1992.
- Sunset Books, eds. *Waterwise Gardening: Beautiful Gardens with Less Water*. Menlo Park: Lane Publishing Company, 1989.
- Vickers, Amy. *Handbook of Water Use and Conservation*. Amherst, MA: WaterPlow Press, 2001.
- Weinstein, Gayle. *Xeriscape Handbook: A How-To Guide to Natural, Resource-Wise Gardening*. Golden: Fulcrum Publishing, 1998.
- Williams, Sara. *Creating the Prairie Xeriscape*. Saskatchewan: University Extension Press, 1997.
- Winger, David, ed. *Xeriscape Plant Guide: 100 Water-Wise Plants for Gardens and Landscapes*. Golden: Fulcrum Publishing, 1998.
- Winger, David, ed. *Xeriscape Color Guide*. Golden: Fulcrum Publishing, 1998.
- Winger, David, ed. *Evidence of Care: The Xeriscape Maintenance Journal, 2002, Vol. 1*, Colorado WaterWise Council, 2001.

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Illustrations by Linda Cook.

For copies of this publication contact:

EPA Water Resources Center (RC-4100)
U.S. Environmental Protection Agency
Ariel Rios Building, 1200 Pennsylvania Avenue, NW.
Washington, DC 20460

For more information regarding water efficiency, please contact:

Water Efficiency Program (4204M)
U.S. Environmental Protection Agency
Ariel Rios Building, 1200 Pennsylvania Avenue, NW.
Washington, DC 20460
<www.epa.gov/OWM/water-efficiency/index.htm>



United States
Environmental Protection Agency (4204M)
Washington, DC 20460

Official Business
Penalty for Private Use \$300

Site Observations – Describe Location and Recommend Corrective Measures Below

No.	BMP/Activity	Implemented & Maintained
1	Are discharge points and receiving waters free of sediment deposits and other pollutants (from the construction site)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
2	Have BMPs specified in the SWPPP/SESC Plan been installed and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
3	Are additional BMPs necessary (e.g., silt fence, check dams, etc.)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
4	Is there evidence of sediment being tracked into the street and/or do streets need to be scraped/swept?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
5	Have stormwater management systems to control off-site runoff and site runoff been constructed, stabilized, and verified to be functioning appropriately? Are outlets protected/stabilized to the property line?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
6	Are Special Management Areas (e.g., creeks, wetlands, buffers, etc.) adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
7	Are temporary stream crossings of non-erodible material installed and/or is re-stabilization complete where applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
8	Have all idle, disturbed areas been stabilized within 14 days of cessation of construction activities in that area (or more restrictive time period per local ordinance requirement)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
9	Are erodible stockpiles (e.g., topsoil) properly located and adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
10	Are storm drain inlets adequately protected (including upslope)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
11	Is waste, including building materials and construction debris, collected and placed in approved receptacles?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
12	Are washout facilities (e.g., concrete washouts, etc.) available and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
13	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
14	Are portable toilets, material storage areas, and materials that are potential stormwater contaminants managed appropriately?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
15	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
16	(Other based on site conditions):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

No.(S)	Location and Recommended Corrective Measure	Completed/Initial*
		<input type="checkbox"/>

* Following completion of Corrective Measure, check box and initial

Certification statement: *(To address NPDES Permit No. ILR10 requirements)*

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print Name & Title: _____

Signature: _____ Date: _____

Information required by this form must be provided to comply with 415 ILCS 5/39 (1996). Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center. 17



OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID:	
Date:	Time:
Inspected by:	Form Completed By:
Temperature (°F):	
Rainfall (in): Last 24 hours:	Last 48 hours:
Pictures Taken?: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Other: <input type="checkbox"/> Commercial Known Industries: _____	
Notes:	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> STEEL <input type="checkbox"/> CMP <input type="checkbox"/> HDPE <input type="checkbox"/> PVC <input type="checkbox"/> Other:	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other:	Diameter/dimensions:
<input type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other:	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other:	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Approximate Depth:	
Flow Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other:	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/> Clear <input type="checkbox"/> Other:	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	See severity	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum (oil sheen) <input type="checkbox"/> Other:	<input type="checkbox"/> 1 - Few <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking/Chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Other:	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	Describe:	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy

Information required by this form must be provided to comply with 415 ILCS 5/39 (1996). Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center. 18

Section 1: Background Data

Subwatershed:	Outfall ID:	
Date:	Time (Military):	
Temperature:	Inspector(s):	
Previous 48 Hours Precipitation:	Photo's Taken (Y/N)	If yes, Photo Numbers:
Land Use in Drainage Area (Check all that apply):	<input type="checkbox"/> Open Space <input type="checkbox"/> Industrial <input type="checkbox"/> Institutional <input type="checkbox"/> Residential Other: _____ <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
Storm Sewer (Closed Pipe)	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Clay / draintile <input type="checkbox"/> Other: _____	<input type="checkbox"/> Circular <input type="checkbox"/> Elliptical <input type="checkbox"/> Box <input type="checkbox"/> Other: _____	<input type="checkbox"/> Single <input type="checkbox"/> Double <input type="checkbox"/> Triple <input type="checkbox"/> Other: _____	Diameter/Dimensions: _____ _____	In Water: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully With Sediment: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully
	Open drainage (swale/ditch)	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> rip-rap <input type="checkbox"/> Other: _____	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other: _____		

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Spalling, Cracking or Chipping <input type="checkbox"/> Peeling Paint <input type="checkbox"/> Corrosion	
Deposits/Stains	<input type="checkbox"/>	<input type="checkbox"/> Oily <input type="checkbox"/> Flow Line <input type="checkbox"/> Paint <input type="checkbox"/> Other: _____	
Abnormal Vegetation	<input type="checkbox"/>	<input type="checkbox"/> Excessive <input type="checkbox"/> Inhibited	
Poor pool quality	<input type="checkbox"/>	<input type="checkbox"/> Odors <input type="checkbox"/> Colors <input type="checkbox"/> Floatables <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Suds <input type="checkbox"/> Excessive Algae <input type="checkbox"/> Other: _____	
Pipe algae/growth	<input type="checkbox"/>	<input type="checkbox"/> Brown <input type="checkbox"/> Orange <input type="checkbox"/> Green <input type="checkbox"/> Other: _____	
Do physical indicators suggest an illicit discharge is present (Y/N):			

Flow Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No	If No, Skip to Section 7 and Close Illicit Discharge Investigation
Flow Description	<input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Substantial	

Section 4: Physical Indicators (Flowing Outfalls Only)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Rancid/sour <input type="checkbox"/> Sulfide <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Laundry <input type="checkbox"/> Other:	<input type="checkbox"/> 1-Faint	<input type="checkbox"/> 2 – Easily detected	<input type="checkbox"/> 3 – Noticeable from a distance
Color (color chart)	<input type="checkbox"/>	<input type="checkbox"/> Clear <input type="checkbox"/> Brown <input type="checkbox"/> Gray <input type="checkbox"/> Yellow <input type="checkbox"/> Green <input type="checkbox"/> Orange/Red <input type="checkbox"/> Multi-Color <input type="checkbox"/> Other:	<input type="checkbox"/> 1-Faint colors in sample bottle	<input type="checkbox"/> 2 – Clearly visible in sample bottle	<input type="checkbox"/> 3 – Clearly visible in outfall flow
Turbidity	<input type="checkbox"/>	See severity	<input type="checkbox"/> 1-Slight cloudiness	<input type="checkbox"/> 2 – Cloudy	<input type="checkbox"/> 3 – Opaque
Floatables -Does Not Include Trash!!	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds and Foam <input type="checkbox"/> Petroleum (oil sheen) <input type="checkbox"/> Grease <input type="checkbox"/> Other:	<input type="checkbox"/> 1-Few/slight; origin not obvious	<input type="checkbox"/> 2 – Some; indications of origin	<input type="checkbox"/> 3 - Some; origin clear
Do physical indicators (flowing) suggest an illicit discharge is present (Y/N):					

Section 5: On-Site Sampling / Testing (Flowing Outfalls Only)

PARAMETER	RESULT	ACCEPTABLE RANGE	WITHIN RANGE (Y/N)	EQUIPMENT
Temperature		NA	NA	Thermometer
pH		6 – 9		5-in-1 Test Strip
Ammonia		<3 mg/L April – Oct < 8 mg/L Nov - March		Test Strip
Free Chlorine		NA	NA	5-in-1 Test Strip
Total Chlorine		< 0.05 mg/L		5-in-1 Test Strip
Phenols		< 0.1mg/L		Test Kit
Detergents as Surfactants		> 0.25 mg/L residential > 5 mg/L non-residential		Test Kit
Copper		<0.025 mg/L		Test Strip
Alkalinity		NA	NA	5-in-1 Test Strip
Hardness		NA	NA	5-in-1 Test Strip
Sample Location				

(Note NA values used for future tracing procedures)

Section 6: Data Collection for Lab Testing (see flow chart)

1. Sample for the lab?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
2. If yes, collected from:	<input type="checkbox"/> Flow	<input type="checkbox"/> Pool

PARAMETER	RESULT (from lab)	ACCEPTABLE RANGE	WITHIN RANGE (Y/N)
Fecal Coliform		400 per 100 mL	
Fluoride		0.6 mg/l	
Potassium		Ammonium/Potassium ratio or > 20mg/l	

*note label sample with outfall number

Section 7: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

Detention/Retention Pond Checklist

Inspected by:	Date:
Weather Conditions:	

Number	Name/Location	Flood Height <i>(low/medium/high)</i>	Condition <i>(Good / Fair / Poor)</i>	Comments
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

Detention/Retention Pond Checklist

Inspected by: _____

Date: _____

Weather Conditions: _____

Number	Name/Location	Flood Height <i>(low/medium/high)</i>	Condition <i>(Good / Fair / Poor)</i>	Comments
1				
2				
3				
4				
5				
6				
7				
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16				
17				
18				
19				
20				

AGENDA
PRE-CONSTRUCTION CONFERENCE

PROJECT: _____ CONFERENCE DATE: _____

CONTRACTOR: _____ Phone: _____

Project Manager: _____ FAX: _____

Site Superintendent: _____ Phone: _____

Cell/Pager: _____

ENGINEER: _____ Phone: _____

Project Manager: _____ FAX: _____

Field Representative: _____ Cell/Pager: _____

DECI: _____

Phone: _____ Fax: _____ Cell/Pager: _____

1. Welcome, Introductions, and Sign-in

2. Contract Dates

a. Start _____

b. Duration of Contract _____

c. Substantial Completion _____

d. Final Completion _____

3. Utilities

a. Water

b. Sewer

c. Electric (ComEd)

d. Comcast

e. Telephone (SBC)

f. Gas (Nicor/Northshore)

**Contact JULIE 1-800-892-0123

4. Permits
 - a. Water
 - b. Sewer (IEPA)
 - c. Building
 - d. Watershed Development
 - e. Wetlands Development
 - f. IEPA / NPDES (Erosion Control)
 - g. IDOT
 - h. Easements
5. Contractors Insurance (Certificate of Insurance) Name
6. Performance Guarantee
7. Reference Points/Surveying/Staking
 - a. Who provides: _____
8. Construction Schedule / Sequencing
 - a. Preliminary for first 30 days by _____
 - b. Sequencing
9. List of Subcontractors/Suppliers
10. Special Structures needing Shop Drawings
11. As-builts required at completion of project.
12. Operation and Maintenance of Existing Facilities
 - Utilities
 - Driveways
 - Construction entrance and silt fence etc.
13. Defective Work will be brought to contractor and general contractor attention as soon as seen or determined.
14. Traffic Control
 - a. Traffic Control Subcontractor: _____
15. Soil Erosion / Sediment Control
 - a. Floodplain/Floodway On/Adj. to Site (Y/N)
 - b. WOUS On/Adj to Site (Y/N)
 - c. Initial SE/SC Inspection at PreCon (Y/N)
 - d. Village to receive weekly Inspection Reports (Y/N)
 - f. Key Discussion Items/Areas of Focus

<input type="checkbox"/> Communication Chain	<input type="checkbox"/> Construction Entrance	<input type="checkbox"/> Detention/Sediment Basin
<input type="checkbox"/> Dewatering	<input type="checkbox"/> Ditch Checks/Silt Dikes	<input type="checkbox"/> Dust / Mud Control
<input type="checkbox"/> General Phasing	<input type="checkbox"/> Inlet Protection	<input type="checkbox"/> Inspection Log
<input type="checkbox"/> Overland / Offsite Drainage	<input type="checkbox"/> Perforated Riser	<input type="checkbox"/> Perimeter SE/SC BMPs
<input type="checkbox"/> Restrictor Plate/Structure	<input type="checkbox"/> Silt Fence (ASSHTO 288-00)	<input type="checkbox"/> Soil Stockpile Stabilization
<input type="checkbox"/> Stormwater Management System	<input type="checkbox"/> Stabilization Measures	<input type="checkbox"/> SWPPP on Site & Updated
<input type="checkbox"/> Stormwater System	<input type="checkbox"/> Vegetative Cover/Type	<input type="checkbox"/> Wetlands/Waters Protection

16. Temporary Facilities and Controls

- a. Relocations (Utilities, roadway, etc.)
- b. Job Trailer location, phone numbers, address,

17. Testing (by Whom?)

- a. Materials
- b. Water main Installation
- c. Sewer Installation
- d. Pavement construction

18. Chain of Command (contacts)

- a. Contractor
- b. Consultant
- c. Village of Mundelein

19. Safety – OSHA/IDOT

20. Fire Protection / Police Department

21. Rescue Access

22. Work By Others

23. Progress Meetings

Weekly/Bi-weekly beginning _____

24. Easement Requirements

- a. Existing/Proposed
- b. Construction Easements

- c. Drainage Easements
- d. Restoration/Staging of Materials

25. Inspections

- a. Special inspections
- b. By consultant and/or Village
- c. Date of next inspection _____

26. Working Hours

- a. Contractor construction

28. Comments, Q&A

SALT CREEK STREAM BANK STABILIZATION STAGE 3



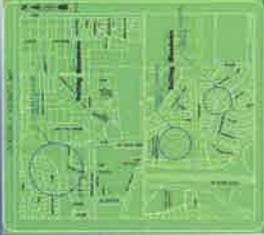

Presented by
Jason G. Spidery, PE
Patrick Kelsey, Graduate

Christopher B. Burke Engineering, Ltd.
Willis Burke Kelsey Associates, Ltd.

Lead by Design

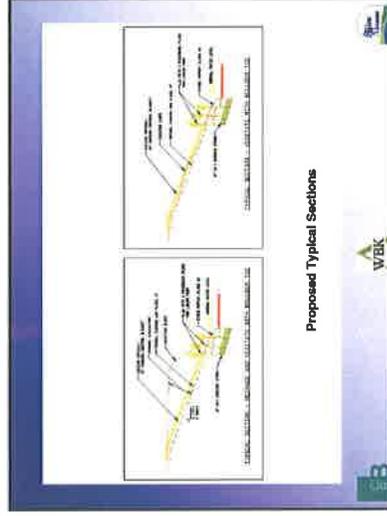
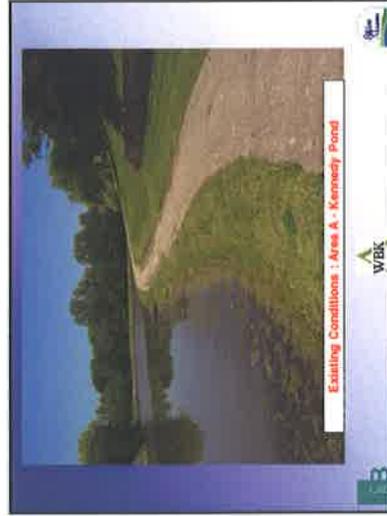


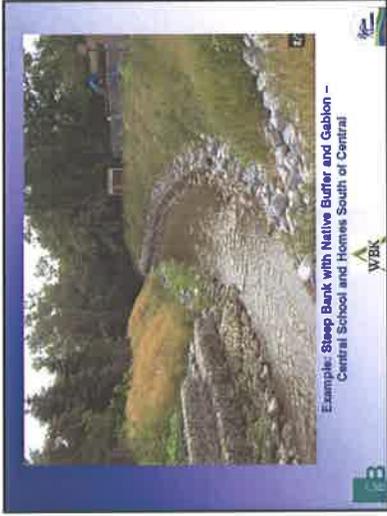
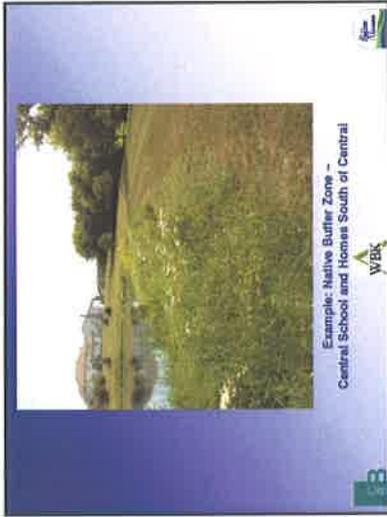

SALT CREEK STREAM BANK STABILIZATION STAGE 3



- Area B - Kennedy Drive
2000 feet of improved creek bank
(at \$200/ft)
- Area D - Central Road (School)
1000 feet of improved creek bank
(at \$200/ft)
- Area C - Home South of Central
1000 feet of improved creek bank
(at \$150/ft)
- Area C (IM) - Home South of Central
100 feet of improved creek bank
(at \$200/ft)
- Total Estimated Construction
Cost = \$705,000





Living with Streams & Ponds

- Drainage
- Flood Conveyance
- Flood Storage
- Habitat
- Amenity

When we bought the house ...

- ✓ I had a little creek in back
- ✓ The kids like to play back there
- ✓ We fed the geese
- ✓ We dumped our grass clippings
- ✓ That's where I get rid of brush
- ✦ Now it's a thicket
- ✦ The banks are eroding everywhere. They make such a mess
- ✦ What does it hurt to throw grass and branches in the creek?

On Flooding & Erosion

Managing Native Vegetation

The Three Phases of Life

Birth to Toddler

WBK

The Teenage Years

WBK

The Golden Years

WBK

Wildlife Habitat

WBK

Don't feed the Geese

WBK

Native Plants for the Home

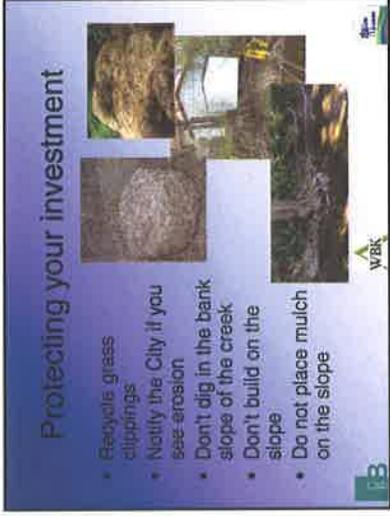
Flowering Plants

- Brown-Eyed Susan
- Purple Coneflower
- White Coneflower
- Spiderwort
- Tall Coreopsis
- New England Aster
- Smooth Blue Aster
- Goldenrods

Grasses, Sedges, Rushes

- Little Bluestem
- Northern Dropseed
- Chair Maker's Rush
- Soft Stem Bulrush
- Woolly Sedge
- Crested-Oval Sedge
- Fox Sedge

WBK



Other ways you can reduce stormwater runoff

Besides installing a rain garden you can also capture the runoff from your roof by directing a down spout into a rain barrel. Rain barrels function as above ground cisterns that hold water for your later use. This is an excellent source for water for your plants.



You can also remove your old asphalt or concrete driveway and replace it with decorative permeable pavers. These are concrete unit pavers that resemble brick. Each paver has a special edge that separates it from an adjoining paver. This tiny gap is filled with a decorative aggregate. The pavers are laid upon a special base material that allows stormwater to pass through the paver gaps and to continue down and into the sub-grade that is below.



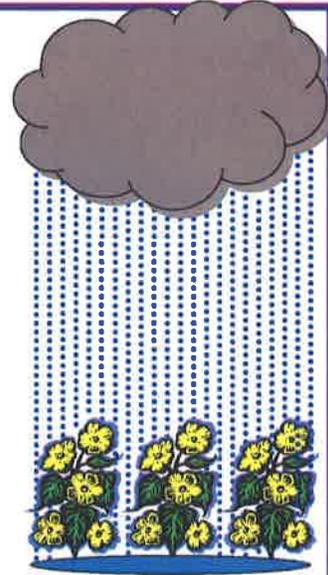
Consider a rain garden for your yard

A rain garden can be your personal contribution to cleaner water, healthier fish and wildlife populations, and a greatly improved environment for your family and community. Each rain garden may seem small, but collectively they produce substantial neighborhood and regional environmental benefits. Rain gardens and other sustainable stormwater management practices work for us in several ways:

- Increasing the amount of water filtering into the ground, which helps reduce the amount of pollutants washing off to Salt Creek and downstream waters;
- Helping sustain adequate flows in streams during dry spells;
- Providing valuable wildlife habitat;
- Enhancing the beauty of your yard and the neighborhood;
- Helping protect communities from flooding and drainage problems;
- Helping protect surface waters from damaging flows and reducing erosion of streambanks and shorelines;
- Reducing the need for costly municipal underground stormwater drainage pipes and structures.

We encourage citizens to help in preserving and improving the health of our rivers and streams, and conserving our natural environment.

City of Rolling Meadows
Public Works Department
3900 Berwick Street
Rolling Meadows, Illinois 60008
Phone: 847 963-0500
Fax: 847 963-0555
www.city.mt.org



RAIN GARDENS
**REDUCE STORMWATER
RUN-OFF AND UTILIZE
A NATURAL RESOURCE**



City of Rolling Meadows
Public Works Department

RAIN GARDENS

What are they?

A rain garden is nothing more than a low spot in your yard that you direct the stormwater that runs off of your roof or driveway into. They can be landscaped with ornamental plants or native vegetation.



What is their purpose?

Rain gardens have two purposes; first they reduce the amount of stormwater run-off that enters the municipal collection system. This reduces stress on the system and ultimately reduces flooding. The second purpose of a rain garden is that it allows stormwater to infiltrate the ground naturally. This allows plants to absorb it or the water can percolate down and enter the natural ground water system. The natural ground water system enhances the flow of streams and rivers. Stormwater that enters streams through the ground does so at a much slower rate and a much lower temperature than water being dumped in by pipes.

How big do they need to be?

Typically they are 3% of the total impervious surface area that you are directing to them. That means if your roof is 50 feet by 30 feet then your impervious surface area is 1,500 square feet. 3% of this equals 45 square feet which means that you need a planting bed that is 5 feet by 15 feet.

Are they constructed in any special way?

Yes. Pick a naturally occurring low spot in your yard or direct your roof drains to a space that is away from your foundation. Always call J.U.L.E. and have your utilities located before you start digging. The surface sod needs to be removed and then enough soil needs to be removed to create a slight depression in the center that is no deeper than 9" below the surrounding lawn. This planting bed needs to be rock-filled. This is important. You want the sub soil to be loose so it can accept the percolating stormwater. Next cover this area with a layer of sand mixed with compost. The ratio should be about 60% sand to 40% compost. If your garden has a specific point where runoff enters it you might consider adding a few 2-3" diameter rock at the point to dissipate the water's energy and volume.



How are they planted?

The concept of the rain garden is to mimic a forest floor. A wide variety of plants can be installed, from perennials to shrubs and even small trees. The plants just have to tolerate well drained soil. Ideally you should plant natives or hybrids of natives but many ornamentals can be used.



Install the woody plants first and then add a 2-3" layer of shredded hardwood mulch. Once the mulch is in place install the more fragile perennials. A slow release fertilizer can be placed in each planting hole. Follow the manufacturer's application rate. Give all the plants a good soak after planting.

water flow, near, times may flood or experience surface ponding. *Runoff from areas as small as 1 acre can cause flooding.* Measures to remedy this kind of hazard usually require the cooperation of several homeowners.

Grade the yard so that surface water drains away from the house. A minimum grade of 1 foot in 100 feet is generally adequate. When filling in low areas, use the most permeable soil available. Save the topsoil and spread it over the newly filled and graded areas to help establish vegetation. To reduce soil compaction, limit construction traffic or use track equipment whenever possible on the lawn.

Installing roof gutters and downspouts to control roof water may prevent ponding in low yard areas. Downspouts can empty into outlet spreaders that discharge water in a thin layer over a grassy area.

Springs and Seeps...

On many sites, natural springs and seeps occur due to existing geology and landscape characteristics. Water may flow seasonally, throughout the year, or may flow into or around homes constructed over or near a spring or seep. For protection, install subsurface drains at least 4 inches in diameter surrounded by 6-12 inches of gravel or sand. Place gravel along the outside of the base of the foundation wall. Be sure to install an adequate gravity or pump outlet for the tile. An interceptor drain can divert seep or spring water before it reaches the structure.

Springs and seeps also affect lawns and onsite septic fields. You can install subsurface drains to collect groundwater and divert it. For guidance with septic field problems, contact your local health department. Typically, subsurface drains are made of plastic but older drain tile may be made of clay, concrete, or metal. Be sure to check local building codes for approved materials and other drainage regulations.

Slow Soil Permeability...

If the soil has a dense layer, especially a layer of clay or a severely compacted layer, water flow through the soil may be restricted and may cause ponding. If this layer is near the

surface, use a soil aerator or sp-rooted native grass to increase infiltration and reduce surface ponding. Most lawns have short root systems that only venture down a few inches. These shallow root systems dry out quickly and must be watered often. Native grass species with much deeper root systems thrive in dry weather and offer avenues for excess water to infiltrate deep into the soil rather than into your basement!

Remember to loosen the soil in the hole around the root ball when planting trees or shrubs to increase permeability which allows greater air and water movement in the soil. For larger wet areas, install subsurface drains about 4 inches in diameter at a depth of 2 to 5 feet. Use sand and gravel to backfill the drain trench to within a foot of the ground surface. Use topsoil to fill the surface layer. Restrict foot traffic during wet periods because even on well-drained soils, this can compact the soil and reduce permeability.

Where Do I Get Help?

Contact your local Natural Resources Conservation Service (NRCS), county Soil and Water Conservation District or Extension office, or your local county or municipal authorities or permit office for additional information on planning or installing drainage measures around your home. Keep in mind that local and state rules and drainage laws are different in each community and must always be considered.

The NRCS has more than 60 years of experience studying and managing the movement of soil and water. NRCS county Soil Survey reports contain valuable information for identifying the issues listed in this brochure. You can find your property on aerial photographs in the report and determine which soils make up the land you call home. Data in the soil survey identifies water table depths, drainage and permeability rates, ponding and flooding potentials, and much more.

Visit the Illinois NRCS Homepage for more information on soils and soil surveys at www.il.nrcs.usda.gov

September 1999 • Champaign, IL



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Drainage around your home



Have a drainage problem?

Is your basement wet?

Does your yard flood or pond periodically?
Do trees, shrubs, and plants grow poorly?

Don't be surprised! About 20% of the land in the United States is affected by excess water. The good news is that there are signs for homeowners to look for, situations to avoid, and solutions that reduce drainage problems. Investigate the problem by first checking your downspouts. Downspout water should be directed away from your house. Second, grade the ground adjacent to the foundation walls so that they direct water away from the house.

If these solutions are in place, but you still have a wet basement or a sump pump that never stops running, you may have a more complex problem. If controlling surface water doesn't help, the problem may be below the surface—a high water table, spring or seeps, or abandoned subsurface agricultural tile that is draining water from other areas and directing it to your foundation. This dilemma can be dealt with by redirecting the water to new subsurface drains.

What Causes These Drainage Problems?

The soil we rely on as a foundation for our homes and property is a complex natural system. When left alone, the deep and rich prairie soils of Illinois can effectively handle normal and excessive amounts of water. But when the natural soil structure is disturbed and a high percentage of the soil surface that once absorbed water is covered with impervious surfaces and the surrounding landscape is severely altered, then the natural environment cannot cope on its own. In some newer subdivisions, all of the topsoil and part of the subsoil material is removed during construction. Only a thin layer of topsoil is returned to the site—just enough to support the shallow root system of your lawn.

These sites usually have severe problems with soil droughtiness and surface runoff. The topsoil is too thin to hold adequate amounts of water and the subsoil has been so

densely compacted that it cannot w excess water to infiltrate into it. By adding more topsoil, aerating, composting, using deep-rooted, drought-resistant grasses and plants, you can overcome these common limitations and restore the health and functionality of soil resources on your property. Generally, wetness and water problems are caused by flooding, springs and seeps, seasonal high water tables, surface ponding, or slow soil permeability.

Flooding...

If your home is in a floodplain of a nearby stream or creek, it is at risk for flooding if the stream overflows during heavy or prolonged rainfall or rapid snowmelt. Even if you've taken precautions to "flood-proof" your home, you can never totally eliminate the potential for flooding, but you can reduce flood damage.

Usually, community-wide measures are needed to reduce effects of flooding and provide some protection, but there are actions you can take to reduce problems. Making your home more resistant to flood damage may include measures that block openings such as windows and doors, regulate drain outlets, and waterproof walls. These measures can be expensive and require careful evaluation to prevent structural damage. If you plan to build a house outside a subdivision or near a perennial stream, be sure the site is not in the floodplain. Check with the local building department for floodplain maps and/or options for homeowners located in floodplains. Keep in mind that for many communities, floodplain maps may be outdated and may not adequately reflect actual conditions in the area. A building site near the floodplain boundary in a rapidly developing area 10 years ago, may be in the floodplain today.

Seasonal High Water Table...

A water table can be defined as the upper surface of groundwater or the level below which the soil is saturated with water. This level may fluctuate by several feet throughout the year, depending on soil conditions, landscape, or weather. When selecting a new homesite, consider the level of the seasonal high water table. In many areas of Illinois the seasonal high water table may be at or near the ground surface for long periods. Building in these areas should be avoided. If the water table is 6 feet deep or more, high water table problems will be minimal.

When building a new house in an area with a seasonal high water table that is less than 6 feet from the surface, a sump pump with a system of foundation drains should be used to lower the water table. Create a good outlet for discharge flow from the pump and consider where you direct this water—you don't want to create problems for a neighbor! If the home is already built, install gravel and drains around the base of outside walls. Lowering the water table under the basement floor should be done only after analysis by experts, since unequal settlement may crack the walls.

In lawn areas affected by a high water table, a small excavated pond, a wetland garden, or collection of water-loving plants may be a suitable remedy. Transform the nuisance wet area into an attractive landscaping feature. Provisions of the federal Clean Water Act or state and local laws may apply to persons who propose to alter any wetlands or to dredge, dig, or fill in floodplain areas. For clarification/information, contact the U.S. Army Corps of Engineers or IDNR's Office of Water Resources prior to any earthmoving activities.

Surface Ponding...

If a significant amount of surface water ponds on your lawn or driveway for long periods, install small diversions or swales to channel off the water. In developed residential areas, these practices are usually installed near property lines in back of or alongside houses.

For low flows of surface water, redirect water to landscaped yard areas with thirsty trees and shrubs. Be sure not to direct water onto someone else's property! If only small amounts of surface ponding occurs for short periods, drains may not be needed. Consider solving the problem by planting the area with water-loving native grasses or trees.

Even in upland areas, a continually wet basement or flooding can occur if the house is built in the path of a natural drainage way, in a pothole, or if the site is lower than the surrounding area. A drainage way or low area may look fine in dry seasons but can carry runoff water in wet seasons. In developed areas where the landscape has been greatly modified, runoff has increased and natural drainageways are often blocked or altered. If man-made drainageways or storm sewers are not built to carry this additional seasonal

The City of Rolling Meadows, Illinois

3600 Kirschhoff Road
Rolling Meadows, IL 60008
847-394-8500

a great place to call home



City Hall

Community Development

Finance Department

Fire Department

Police Department

Public Works

Public Works Department

3900 Berdnick Street
Rolling Meadows, Illinois 60008
847-963-0500

PW Home

■ Citizen Report

News Updates

Refuse Guidelines

Public Works Divisions:

Recycle

Snow and Ice Control

Sanitary Sewer

Parkways

Stormwater

Mr. Ms. Miss Mrs.

First Name:

Last Name:

Address:

Home Phone:

Work Phone:

Date:

Email:

Problem Location: (If different than above.)

Comments: (Please give a short description of the problem you are reporting.)

The Problem concerns one or more of the items below. Check those that apply.

- Broken Sidewalk
- Broken Curb
- Pot Hole
- Street Cave-in
- Parkway Cave-in
- Water on Pavement
- Water in Yard/Park
- Missing/Bent Street Sign
- Street Light Out
- Traffic Light Out
- Tree or Limb
- Graffiti
- Parkway Damage
- Debris
- Obstruction
- Street Light Decoration
- Sewer Gas Smell
- Manhole Cover Missing
- Fire Hydrant
- Barricade Knocked Down
- Vandalism City Property
- Snow/Ice Build-up
- Leaking Water Meter
- Compliment or Suggestion
- Other

Reset

or..

Send Report

Confluence

People getting together to enhance Salt Creek



Volume 7, Issue 1

Upcoming “Meet the Creek” Events

By Chris Oszak

Sat. April 16 Elk Grove Village 9:00am – noon. “Meet the Creek” will take place in Colony Park behind Margaret Meade Jr. High School on Biesterfield Rd. The Elk Grove Village Park District is co-sponsoring this event.

“Meet the Creek events are fun for the whole family. Spend time outside, learn a few new things and enjoy”!

bring an array of native forbs and shrubs to purchase. You can have fun with the Enviroscope model presented by U.S. Fish & Wildlife Service (USFWS). SCWN and Prairie Rivers Network will provide activities for kids of all ages.

Sun. April 24 Fullersburg Woods Nature Center, Oak Brook 11:00am – 4:00pm. We will have our Salt Creek display on exhibit at their Earth Day event. Wild

Springbrook Nature Center will exhibit their birds of prey and the Cook County FPD will bring amphibians for show and tell.

Native plants and gardening your thing? The Natural Gardens will

Ones, the native gardening club, will join us to give native gardening tips.

Sat. April 30 Busse Woods 9:00am – noon. “Meet the Creek” will take place in Grove 24. The Grove 24 entrance is on the south side of Higgins Rd. just east of 290. USFWS will be there with their Enviroscope model and Springbrook Nature Center will have an exhibit about their stream restoration.

Sun. June 19 Brookfield 11:00am – 2:00pm. “Meet the Creek” will take place in the North Kiwanis Park pavilion with parking across from the BrookfieldMetra station. The Village of Brookfield Conservation Commission will provide free canoes for adventurers ready to test out some paddling. Look for the US F&W Enviroscope, gardening information and fun activities for the kids.

These “Meet the Creek” fairs are made possible through partial funding by the Illinois Environmental Protection Agency through Section 319 of the Clean Water Act and the generous assistance of the event co-sponsors and ex-

Inside this issue:

Upcoming “Meet The Creek” Events	1
Looking For A Few Good Sponsors	2
Rain Gardens	2
Salt Creek Cleanups	2
Nominations Open for New Board Members	3
Beaver Bustin'!	3
Seeking Home Town Representatives	4
Creekside Caretaker Program Kicks Into Gear	4
SCWN Board Welcomes Guest Speaker	5

Looking for a Few Good Sponsors

By Nick Nikola

Every watershed has businesses large and small within the community. We are willing to bet that some of them would be proud to sponsor SCWN and the work we do. SCWN has achieved so much in our five years. Visit our website at www.saltcreekwatershed.org to learn about our many accomplishments. Since you are getting this newsletter, we know you believe in our mission and hopefully know some businesses that may as well. We are asking if you would help us make the connection. Financial support is most welcome but if that's not possible

helping at clean ups or a donation of time and expertise is also appreciated.

SCWN is a not-for profit group so donations can be tax deductible within the limits of the law. We are a small, all volunteer group and depend on the support of individuals, sponsors and organizations to enable us to continue our work throughout the Watershed. If you have just the business in mind or know of one that may want to hear more, please contact Nick Nikola at creekguy@comcast.net



Rain Gardens

By Amy Bodwell

Does your downspout disappear under the ground or sump pump drainage run cause a muddy mess? All the water that runs off the land ends up in our stormdrain system, overwhelming it in heavy rain. This increases the risk of flooding and pollution.

can help solve all of these problems. Plant some wet-tolerant native plants in a depression in your yard, redirect a downspout or sump pump drainage and watch it grow! Well, it's not quite that simple so check out

www.raingardens.org

for lots of help and information for the Midwest. Not sure you want to do it yourself, there are contractors and landscapers who can help!

Do you have a lawn with standing water? Excess water can allow mosquitoes to breed. A rain garden

Salt Creek Cleanups

Saturday April 23, 2005

Elk Grove Village 9:00am - noon Nick will also be leading his annual Salt Creek clean up in . Contact Nick Nikola.

Saturday, April 30, 2005

LaGrange Park Woods Forest Preserve, 9:00am - noon. Meet in the parking lot on the corner of LaGrange Rd. and 31st St. Contact Ron Hursh with any questions.

Busse Woods Forest Preserve, 9:00am - noon. "Meet the Creek" will be part of this clean up event. Contact is Nick Nikola.

The second of our two annual clean ups will be held Sept. 17, 2005. Look for locations in the next newsletter.



Before: A low-lying area that collected excess rainwater. A rain garden was constructed to use the water as a resource.



After: Native vegetation was planted in the rain garden. Within its first year, the plants utilized the resource resulting in a lush garden.

Photo Credits: Jim Schulz, Brookfield Zoo

Nominations Open for New Board Members

By Ron Hursh

The Salt Creek Watershed Network (SCWN) organization is restructuring, expanding, and increasing the board membership. This creates an opportunity for anyone interested in waterway environmental issues to become active, learn about current concerns, and get involved in ongoing solutions.

Active project descriptions have been published in previous Confluence newsletters published by SCWN that are available on our web site. They include streambank stabilization; pollution, water quality testing and reporting; outreach programs to municipalities, residents and businesses; waterway and bank cleanups; interactive school and community projects; and local and IEPA supported education days through Meet The Creek fairs.

Several people who have shown interest in active participation in managing our community creek resource have been given packets of information which included recent SCWN publications and brochures. This information is available to anyone and can be used to understand the mission and learn about projects completed by SCWN. Additionally, we are now considering partnerships which will significantly broaden our scope and impact. Perhaps with your help your

favorite environmental concern for a cleaner healthier creek or river can become another active project.

The board is planning an orientation program soon for people considering membership. Guests may attend a short regular business meeting followed by a presentation/discussion illustrating the type of issues SCWN is dedicated to address.

If you are interested in helping SCWN improve the watershed and make a difference, contact Ron Hursh at 708-354-4434 for information packets and the orientation meeting date.



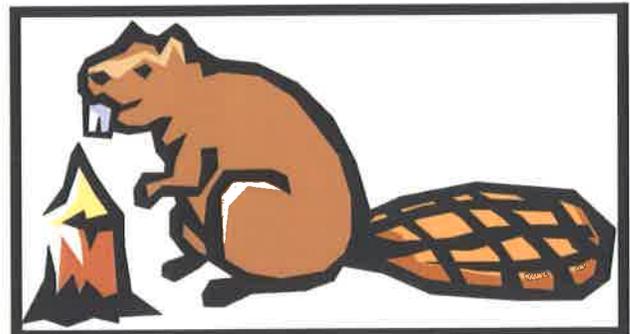
Beaver Bustin'!

By Nick Nikola

Those cute but pesky rodents are busy along the creek doing what beavers do best, cutting down trees. Beavers are a part of the wildlife in our urbanized neck of the woods. They've adapted to the many negative changes we've done to their homeland. They are just doing what they've done for millenniums, cut down trees and build their homes and dams.

In some parts of the country, folks call them wetland engineers because their actions create wetlands that in turn provide habitat for many species. However, here in the watershed, the beavers are not always appreciated. Their tree cutting prowess can decimate the trees along the creek and those they don't use can fall and dam up the creek. So how do you fight back? Get busy as a beaver and loosely wrap the trees you want to protect with a sturdy wire mesh

or chain link fence. While streambank vegetation benefits from sunlight, some trees are welcome and necessary as they protect soil and provide habitat. I can attest to the effectiveness of wire around trees- I live on the creek and no longer have beavers munching my wood!



Seeking Hometown Representatives

By Amy Bodwell

Before you rush to sign up, I suppose you'd like an idea of what this means. A Home Town Rep is an individual or individuals that live in a town and represent that town for SCWN. We need support in every town in the watershed to help get our message out and engage communities in helping to enhance and improve the creek.

What would you do? Maybe help lead a clean up or pass out brochures or maps, represent SCWN at a town event, or just answer questions. The level of participation depends on your interest and expertise. Some experienced people work closely with their village trustees while others give school talks and still

others make sure to let SCWN board know that work in their town may be impacting the creek. It's a job you can grow into as you have time and the inclination.

Hometown reps are encouraged to attend the monthly board meetings the first Monday of each month. Attendance at the annual meeting is strongly recommended. Most importantly you are a communicator of information from SCWN to your town and visa versa and an impetus to promote SCWN in your town. For more information, please contact Amy Bodwell at abodwell@comcast.net.



Creekside Caretakers Program Kicks into Gear

By Tom Richardson

After a winter hiatus, the Creekside Caretakers Program along Salt Creek is resuming this Spring. This program was started using funds from the DuPage Community Trust. Initially creekside residents in Oak Brook were contacted to see if they would be interested in some advise and assistance in caring for their land along the creek. Jeff Swano from Dig Right In Landscaping, Inc. (digrightin.com) and Program Manager Tom Richardson met with several

interested parties last Fall. They have scheduled second meetings with six landowners and one homeowner's association to go over the types of plants most suitable for creating a buffer on the creek bank. These individuals will then pick out the plants they want and schedule installation for this spring. SCWN is very excited about the potential of a program to serve as a model for others.



Before: Crazy creekside concrete lacks aesthetics and effectiveness.



After: A beautiful and natural solution to streambank erosion.

Photo Credits: Nick Nikola

Spring Into Action—Donate to SCWN

For SCWN to be more effective—and to be able to pursue more grant opportunities—we need additional donations to cover a variety of non-project expenses. Please contribute to a cause that is implementing the vision laid out six years ago that Salt Creek is a valuable natural resource worthy of protection and enhancement. Thank you.

Note: the mailing label on the other side may suffice for your mailing address.

Your Name

Phone Number

Please indicate your donation amount and make check payable to the Salt Creek Watershed Network:

Organization's Name

E-mail (optional)

\$15 individual support

\$30 family support

\$50 gift donation

\$ _____ other donation

Address

Return to:
SCWN

Thank you for your support!!!

City, State, Zip

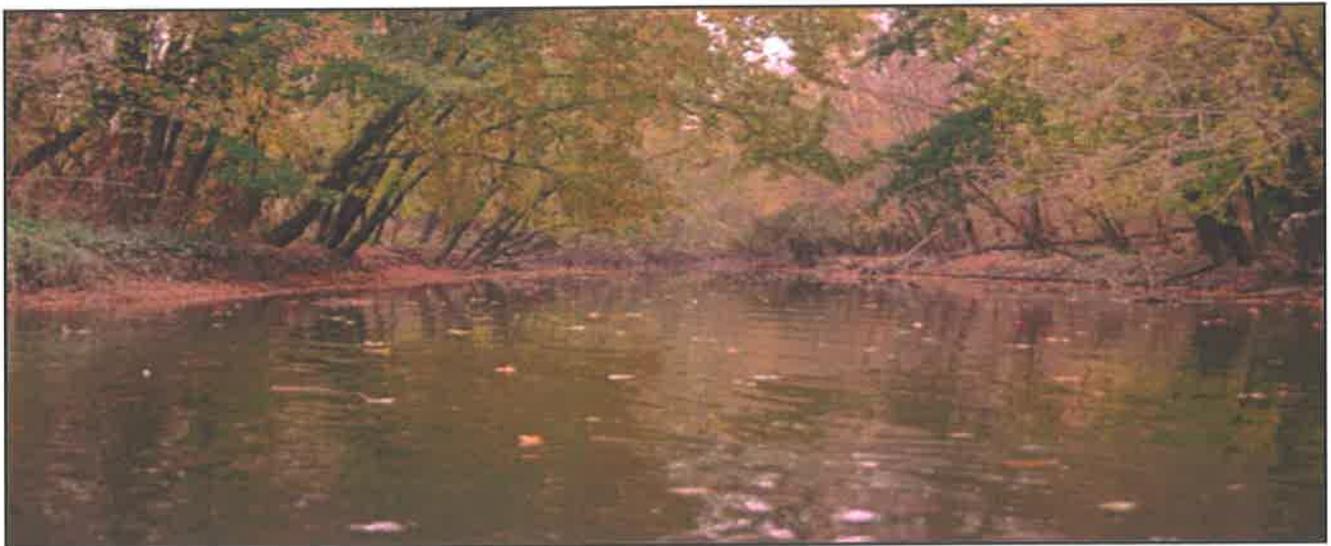
Please cut on the dotted line and return to SCWN.

SCWN Board welcomes guest speaker May 2, 2005

Join us at the next meeting when Our guest speaker will be James Huff of Huff & Huff, Inc. Environmental Consulting In LaGrange, IL. He will be speaking about a variety of topics related to water quality in Salt Creek such as In-stream aeration, nutrient regulations and anti-degradation of streams

The meeting will be held at the Elmhurst Community Bank, 330 W. Butterfield Rd at Spring Rd in the Upstairs Conference Room.

SCWN meets the first Monday of every month (except holidays). All are welcome to join us.



Confluence

8634 Rockefeller Avenue
Brookfield, IL 60513

www.saltcreekwatershed.org

Welcome to Spring!



Confluence

Visit Our Website Often
saltcreekwatershed.org



Cleanups, "Meet the Creek" fairs, and so much else going on, 2005 is going to be a great year for our Salt Creek.

Get involved, learn more, and have fun enjoying nature close to home!

The SCWN Board of Directors:

Ron Hursh	La Grange Park
Nick Nikola	Elk Grove Village
Keith Olson	Elmhurst
Christine Oszak	Villa Park
Tom Richardson	Oak Brook



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Salt Creek Watershed Network

Like every drop of rain - Our every action counts.



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Salt Creek Watershed Network Events

[2011 Events](#) (Links are colored orange.) Our meeting schedule and location is at the bottom of this column.

Save the Dates for Salt Creek clean ups!

Please come to help remove debris along and in Salt Creek. This annual outside event is a fun activity. It helps preserve an open and scenic waterway enhancing its use by bike trail riders, path walkers, as well as canoeists and kayakers that float down the creek.

Saturday June 4 - 9:00 a.m.- noon

Elk Grove Village

Meet at Elk Grove High School along the Creek at 9:00am.

Volunteers will be provided garbage bags, gloves and pick up sticks to use. You should dress for the weather and possible muddy conditions. Waders and or Canoes especially welcomed.

Contact: For more information ask Nick Nikola 847-828-1141 E-Mail creekguy@comcast.net

Watershed Enhancements Workdays

Related links:

How to report pollution

Cook County call 1-800-332-DUMP

Illinois EPA or call (847)294-4000

Illinois EPA

[Bureau of Water TMDL NPDES](#)

US EPA

[Office of Water Non Point Source Pollution](#)

USGS

[Water Resources of US Office of Surface Water Data Collection Sites](#)

USGS stream monitors:

[Rolling Meadows Elk Grove Village Brookfield Western Springs Wood Dale Elmhurst](#)

Restoring natural areas in the watershed helps to reduce flooding and restore ground water levels. Stream bank and wetland enhancements provide habitat for waterfowl and other wetland dependent wildlife. A few hours of your time working on natural areas restoration can have a big impact on long term water quality. (These are not SCWN sponsored events.)

Oak Brook
Riverside

**Lower Des
Plaines
Ecosystem
Partnership:**

LDPEP

.....

Habitat 2030 is a group of dynamic Generation Xers who care about the remarkable natural areas of the Chicago region. We are continuing the long history of volunteer stewardship at these sites and helping to build a culture of 20-30-40-somethings who will understand and care about our preserves to the year 2030 and beyond.

**DuPage River
Salt Creek
Workgroup:**

DRSCW

Matt Haas
Volunteer Steward - Busse Woods
HABITAT2030@gmail.com or
bussewoodsvolunteer@gmail.com

.....

Elmhurst Great Western Railroad Prairie

Elmhurst Great Western Prairie, 2011 Schedule

June 18 Weeding (mostly parsnip)
June 25 Weeding and seed picking (porcupine grass)
July 16 Weeding (mostly parsnip and ragweed)
Aug. 20 Weeding (mostly ragweed)
Sept. 17 Seed picking
Oct. 15 Seed picking
Nov. 19 Seed spreading, brush cutting

All are Saturdays.

Other activities may be added depending on what's needed.

Meet at Berkley Ave. in Elmhurst and the Illinois Prairie Path at 9 A.M.

Berkley Ave. is five blocks east of Highway 83 on St. Charles Rd.; the Prairie Path is three blocks south of St. Charles Rd.

Contact: David Price (dprice@epd.org or 630-993-8909)
or Keith Olson (keitholson@usa.net or 630-834-7357)

SCWN Meetings - time and place

Meeting Schedule

First Monday of the month: schedule for 2011:

Mondays Feb 7, Mar 7, April 4, May 2, June 6, Aug 1, Oct 3,
Nov 7, Dec 5.

No meetings in January, July, and September.

Meetings start at 7:00 pm with a Meet and Greet session.

Meetings will be held at the LaGrange Park Library unless
*noted above. Meetings are held in the up stairs Conference
room. The stairs are straight ahead from the entrance.

555 N LaGrange Road
LaGrange Park, IL 60526
708.352.0100 [Map of La Grange Park, IL 60526,](#)
US

Presentations or open Meet & Greet sessions are from
7:00 - 8:00 pm.

The Salt Creek Watershed Network holds meetings the first
Monday of the month, except for the Mondays following
holiday weekends.



Salt Creek Watershed Network

Like every drop of rain - Our every action counts.



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The quality of the water in the Salt Creek relies on many factors. The two most important factors are the water entering the creek and the physical condition of the creek. The water entering the creek comes from two sources, effluent from point sources, and runoff from non point sources.

Point source effluent comes from pipes discharging into the creek. The effluent comes from publicly owned wastewater treatment plants (POTW, publicly owned treatment works), industrial discharge, and storm sewers. In most cases the quality and volume of discharge from these sources is regulated by the EPA by means of NPDES permits. These NPDES (National Pollution Discharge Elimination System) permits are administered by the EPA, or the state EPA, in our case, the Illinois EPA.

Non Point Source (NPS) pollution can come from storm sewer pipes, or from runoff from the surface. Usually water entering the storm sewers is not treated and carries pollution from our streets. This pollution can be in the form of chloride from salting our roads in winter. It can be from oil and gas leaks from our cars and service stations. It can come from people dumping liquids or garbage into storm drains. It can come from leaf and grass debris in the streets. Yes, even too much leaf and grass litter can cause pollution.

NPS pollution can also come from runoff from our yards. Washing your car in the driveway sends oily, soapy water into the storm water system. Pet waste that is not picked up ends up washing into the storm water system. Applying herbicides or pesticides to the lawn or garden before a rain storm will result in those pesticides and herbicides getting washed off and into the storm water system. Applying more than the recommended amount of pesticides and herbicides can cause



Related links:

How to report pollution

Cook County call 1-800-332-DUMP

Illinois EPA or call (847)294-4000

Illinois EPA

[Bureau of Water TMDL NPDES](#)

US EPA

[Office of Water Non Point Source Pollution](#)

USGS

[Water Resources of US Office of Surface Water Data Collection Sites](#)

USGS stream monitors:

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burnout in the lawn or garden, and the excess ends up in the storm water system. As individuals we have a big impact on water quality in the Salt Creek.

Oak Brook
Riverside

The physical condition of the stream bed plays an important role in water quality. Eroding stream banks allow excess sediment to enter the stream, reducing visibility and blocking sunlight. Fish need plants to provide cover from predators, sometimes for food, and as food for the invertebrates that they eat. Stones and rocks in the stream also provide hiding places and the water rippling over the rocks adds oxygen to the water, also necessary for plant and animal life. Shade from trees helps to keep the shallow water cooler in the summer. There are many physical factors that impact the health of the Salt Creek. They can work together to improve the water quality, or they can work against it.

**Lower
Desplaines
Ecosystem
Partnership**

LDPEP

With pollution entering the Salt Creek from all these sources, how can we achieve water quality standards? Well, we need to control the total amount of pollution entering the stream. NPDES permits were designed to limit the amount of pollution from waste water treatment plants, and the system worked pretty well. Our streams are in much better condition than before the Clean Water Act mandated the permitting process. Now, NPS pollution is the main reason the Salt Creek does not meet water quality standards. To address this issue we have the TMDL.

TMDL

What is a TMDL? TMDL is short for Total Maximum Daily Load. It is an analysis of the maximum amount of pollution a water body can receive and still meet water quality standards. This analysis, known as 'the TMDL', sets pollution reduction goals to improve impaired waters.

The Illinois Environmental Protection Agency, IEPA, is responsible for setting standards and monitoring water quality in Illinois. The TMDL process for the Salt Creek began in 2000. A consultant was contracted by the IEPA to study the impairments to the Salt Creek and to come up with an implementation plan to meet water quality standards. Their draft TMDL for the Salt Creek was published in 2003 and made available to interested parties. Public hearings were held to discuss the plan and provide a means for public participation in the TMDL process. During the hearings many questions and concerns were raised by the sanitary district operators and by various environmental groups. At the same time the draft TMDL for the East Branch of the DuPage River

was made available and public hearings were held. The East Branch and the Salt Creek had similar impairments, and the same questions and concerns were raised about both TMDL's. Since many of the same stakeholders were involved in both watersheds, a TMDL workgroup was formed. Stakeholders from the West Branch of the DuPage River also joined the workgroup, as their TMDL process began in 2002.

The TMDL workgroup began meeting in the spring of 2004 to work out a plan to improve the water quality of these streams. Even though most people think of the sanitary district sewage treatment plants (POTW, or publicly owned treatment works) as the main polluters of our streams, careful analysis of the data showed that the POTW's in most cases exceeded their water quality standards and that the streams had the highest level of pollutants following a storm event – heavy rain or snowfall. Pollution in the streams is caused by storm water runoff, a non point source (NPS) of pollution. Since the pollution is coming from many sources throughout the watershed, it will take the work of many people and all communities in the watershed to improve the water quality of the Salt Creek and DuPage River.

On Nov. 17, 2004, the TMDL workgroup invited decision makers from all communities in the three watersheds to a meeting where these findings were presented along with some preliminary plans. All communities were asked to make a commitment to improve the water quality in these streams by working with the TMDL workgroup.

City of Rolling Meadows
2011 Outfall Inventory Inspections

Structure ID	y	x	z	code	field_comm	DateLocate
1249	1976967.0814	1061077.8396	725.1521	309		
5254	1974334.3578	1060699.1235	721.4605	300		1/2/2003
5281	1973508.4213	1060205.0313	723.1700	309		1/2/2003
5282	1973497.3155	1060125.4120	721.4750	300		1/7/2003
5283	1973478.2490	1060090.2112	720.6110	300		1/7/2003
5956	1969599.0089	1062795.4991	715.0435	309		1/7/2003
6138	1970558.7372	1060567.1178	718.9823	309		1/9/2003
6167	1971582.0392	1060171.0897	718.1116	309		1/10/2003
8527	1970740.4905	1068560.3974	696.9529	309	42CM	4/25/2003
8560	1969770.2249	1068573.0642	696.4033	300	36PV	4/25/2003
8719	1969767.4293	1065162.3182	705.8796	309	36CM	5/28/2003
14156	1978593.5710	1069928.4800	706.2350	300	48 CMP	
14157	1978598.0560	1069929.9170	706.1370	300	48 CMP	
14162	1978548.1470	1070041.2190	705.1300	300	48 CMP	
14163	1978543.8910	1070039.9610	705.0720	300	48 CMP	
14885	1969899.9090	1063828.1830	709.2990	309	18RCP	6/10/2003
14923	1969938.6820	1063845.1450	707.9910	309	12RCP	6/10/2003
15700	1974948.9239	1060535.2276	723.6430	310	15RC	7/18/2003
16224	1967512.0305	1069617.7719	697.0340	309		3/12/2008
16225	1967382.8878	1069666.9779	697.1342	309		3/12/2008
16232	1967124.2540	1069682.6217	698.1025	309		3/12/2008
16242	1967354.5637	1069569.7580	695.6528	309		3/12/2008
16246	1967700.1568	1069418.2423	693.6016	300		3/12/2008
16251	1968465.1648	1068862.2779	695.5937	300		3/12/2008
16254	1968342.6004	1068956.0427	694.6374	300		3/12/2008
16257	1967965.8041	1069259.1012	694.2681	300		3/12/2008
16301	1973706.5418	1060085.7309	719.2360	310		7/16/2007
18041	1971153.8943	1068618.7096	706.9716	300		3/5/2008
18042	1970794.2431	1068619.7678	705.8694	300		3/5/2008
18118	1970597.2223	1068611.7923	700.7497	300		3/6/2008
18170	1971478.0712	1068539.8149	699.6182	309		3/7/2008
18227	1971724.3990	1068755.8623	699.5288	300		3/10/2008
18257	1971836.3753	1068934.9627	698.2935	310		3/10/2008
18357	1972037.6363	1069124.8722	698.9712	300		3/12/2008
20670	1963955.1365	1070522.0803	688.5072	300		4/3/2008
20719	1963570.2476	1070947.3113	689.6843	309		4/4/2008
20720	1963559.2021	1070961.8195	687.7703	300		4/4/2008
20736	1963636.4208	1070790.2910	686.3748	300		4/4/2008
20737	1963693.7707	1070680.7764	693.0440	300		4/4/2008
20753	1963398.0409	1071366.6649	689.2157	300		4/4/2008
20798	1963385.3593	1071462.2649	686.7577	309		4/7/2008
20803	1963382.1959	1071734.2402	688.3412	309		4/7/2008
20805	1963395.7627	1072066.2394	688.0600	309		4/7/2008
20826	1963400.5643	1072172.9785	682.3172	300		4/7/2008

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20848	1963335.8655	1071919.2252	686.5629	300		4/10/2008
21221	1963159.2450	1072413.0260	694.5341	309		4/23/2008
21222	1963041.8640	1072509.3960	691.6535	309		4/23/2008
21243	1962206.5700	1072553.1340	686.5590	300		4/23/2008
21253	1962324.8230	1072685.5570	686.7603	300		4/23/2008
21302	1961855.6690	1072479.9890	686.7398	300		4/24/2008
21303	1961837.1540	1072511.9140	687.3629	300		4/24/2008
21892	1962912.8080	1072712.8530	683.3897	300		5/1/2008
22154	1961231.4547	1072113.0443	681.8363	300		5/6/2008
22155	1961345.2694	1072243.8003	684.7835	300		5/6/2008
25044	1966825.9065	1068166.1910	702.5844	309		3/25/2008
25557	1965645.2906	1069962.1877	694.1348	309		4/3/2008
25570	1964977.1612	1070245.1524	689.7932	309		4/3/2008
25660	1964625.7903	1070242.4816	687.7493	300		4/4/2008
25701	1964297.6062	1070331.7881	688.3947	300		4/7/2008
25702	1964396.1909	1070279.2917	689.6909	300		4/7/2008
25703	1964426.3028	1070264.5664	691.6741	300		4/7/2008
25751	1964675.1644	1070192.4626	690.2566	300		4/8/2008
25755	1964932.0908	1069804.7731	689.5067	309		4/8/2008
25782	1965638.9692	1069844.9238	694.9675	300		4/8/2008
25783	1965493.4394	1069848.8358	693.7299	300		4/8/2008
25793	1966019.3391	1069554.3600	691.6167	300		4/8/2008
25794	1966067.5601	1069556.5218	692.2379	300		4/8/2008
25798	1966621.2713	1069571.8248	692.4897	309		4/8/2008
25809	1966764.0410	1069610.2202	692.2651	300		4/8/2008
25855	1966153.0985	1069670.9872	691.0060	309		4/9/2008
25885	1966455.5868	1069026.0117	695.4443	309		4/10/2008
25897	1966749.0150	1068508.7212	696.5907	309		4/10/2008
25972	1966491.6360	1068946.0630	695.9768	300		5/9/2008
26019	1966025.9870	1069394.6640	690.9952	300		5/9/2008
26032	1966249.7888	1069130.2659	691.8858	300		4/14/2008
50080	1974202.3157	1069896.0166	699.4911	300		3/13/2007
50480	1974924.7726	1069869.8637	703.3597	300		3/19/2007
50481	1974917.9765	1069818.1369	702.9355	300		3/19/2007
50482	1974925.0969	1069823.3016	703.0809	300		3/19/2007
50483	1975011.3302	1069834.4361	703.1968	303		3/19/2007
50484	1975011.4080	1069846.9171	703.2326	303		3/19/2007
50485	1975011.2704	1069858.7061	703.2302	303		3/19/2007
50486	1975011.3283	1069835.2125	697.9816	303		3/19/2007
50487	1974930.5905	1069835.9142	697.6951	303		3/19/2007
50488	1974930.6040	1069835.9518	703.0194	303		3/19/2007
50489	1974930.1454	1069846.8667	702.9658	303		3/19/2007
50490	1974930.6565	1069857.8840	702.9652	303		3/19/2007
50595	1975056.0895	1069691.0056	703.3927	309		3/20/2007

City of Rolling Meadows
2011 Outfall Inventory Inspections

Structure ID	y	x	z	code	field_comm	DateLocate
50684	1973705.7542	1069437.5771	701.5745	309		3/21/2007
50685	1973608.9505	1069397.0157	700.5133	309		3/21/2007
50694	1973477.1879	1069326.0298	701.5649	309		3/21/2007
50698	1973321.1493	1069262.7789	699.9397	309		3/21/2007
50713	1973318.1447	1069310.3991	700.0757	309		3/21/2007
50751	1974279.5643	1069882.5076	700.7784	309		3/22/2007
50789	1972076.5667	1069112.6229	699.7532	309		3/22/2007
50854	1972047.4072	1069139.4113	699.4265	309		3/23/2007
50895	1972793.8903	1069332.5347	698.3936	309		3/23/2007
51826	1967859.4183	1067418.2318	709.0940	300		4/7/2007
52090	1971580.0220	1068622.9680	699.3180	300		3/21/2007
52237	1970522.3340	1068613.4950	697.6030	309		3/23/2007
52565	1969403.1766	1068572.8955	695.0350	309		4/2/2007
52615	1968684.1509	1068662.5594	695.6450	309		4/2/2007
52666	1969662.1203	1068600.9097	696.6496	309		4/3/2007
52681	1968566.3157	1068790.3201	694.6136	309		4/3/2007
52834	1967083.7878	1069632.9002	704.9385	309		4/5/2007
52853	1967026.3016	1068132.4316	697.4168	309		4/5/2007
52911	1967018.4565	1069675.1725	693.0692	309		4/6/2007
52957	1967817.0133	1067343.9047	699.4395	300	SHOT TOP OF WALL	4/7/2007
52958	1967759.1314	1067356.4021	702.4570	300	SHOT TOP OF WALL	4/7/2007
52969	1967019.9279	1068097.5088	694.5811	309		4/7/2007
54005	1972716.3382	1069316.9940	698.8562	309		5/3/2007
200229	1974948.2078	1060569.6524	719.3369	300		3/20/2003



OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 1249	
Date: 3/11/11	Time:
Inspected by: dean	Form Completed By:
Temperature (°F): 43	
Rainfall (in): Last 24 hours: no	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATES\INSPECT\Outfalls\2011 Outfall Inspection Phot
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: <u> 20 </u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 5282	
Date:	Time:
Inspected by:	Form Completed By:
Temperature (°F):	
Rainfall (in): Last 24 hours:	Last 48 hours:
Pictures Taken?: <input type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATES\INSPECT\Outfalls\2011 Outfall Inspection Photos
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: _____
<input type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 5283	
Date: 3/11/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 43	
Rainfall (in): Last 24 hours: no Last 48 hours:	
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Phot
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input checked="" type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: <u> 12" </u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 5956	
Date: 3/11/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 43	
Rainfall (in): Last 24 hours: no Last 48 hours:	
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATES\INSPECT\Outfalls\2011 Outfall Inspection Photo
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> HDPE <input checked="" type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: new Pipe: 18"
<input type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Depth: _____	
Flow Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input checked="" type="checkbox"/>	new storm line when bridge was redone	





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 6138	
Date: 3/11/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 42	
Rainfall (in): Last 24 hours: no	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\S\INSPECT\Outfalls\2011 Outfall Inspection Phot
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: <u>concrete</u> Pipe: <u>12"</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 8527	
Date: 4/28/11	Time:
Inspected by: Dean	Form Completed By:
Temperature (°F): 46	
Rainfall (in): Last 24 hours: 0.50	Last 48 hours:
Pictures Taken?: <input type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Photo
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: <u>Library</u>	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> HDPE <input checked="" type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: <u>42"</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 8560	
Date: 7/19/10	Time:
Inspected by: dean	Form Completed By:
Temperature (°F): 84	
Rainfall (in): Last 24 hours: _____ Last 48 hours: _____	
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATES\INSPECT\Outfalls\2011 Outfall Inspection Phot
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input checked="" type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: <u>None</u> Pipe: <u>30</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input checked="" type="checkbox"/>	no flared end section- rip rap	





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 14156	
Date: 3/11/11	Time:
Inspected by: dean	Form Completed By:
Temperature (°F): 43	
Rainfall (in): Last 24 hours:	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\S\INSPECT\Outfalls2011\Outfall Inspection Phot
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input checked="" type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: <u> 48" </u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 14162	
Date: 3/11/11	Time:
Inspected by: dean	Form Completed By: dean
Temperature (°F): 43	
Rainfall (in): Last 24 hours: no	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATES\INSPECT\Outfalls\2011 Outfall Inspection Photos
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: <u> 48" </u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 15700	
Date: 3/11/11	Time:
Inspected by: dean	Form Completed By: dean
Temperature (°F): 43	
Rainfall (in): Last 24 hours: no	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Phot
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input checked="" type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: <u> 12 </u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfer <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 16224	
Date: 4/28/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 46	
Rainfall (in): Last 24 hours: 0.50	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Phot
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: Park Central	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: <u> </u> yes Pipe: <u> </u> 12"
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: <u> </u> Top Width: <u> </u> Bottom Width: <u> </u>
Sediment Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Depth: <u> </u>
Flow Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfer <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input checked="" type="checkbox"/>	Holding water	





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 16225	
Date: 4/5/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 43	
Rainfall (in): Last 24 hours: Yes	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Photo
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: Park Central	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input checked="" type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: <u> 12" </u>
<input checked="" type="checkbox"/> Open Drainage	<input checked="" type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input checked="" type="checkbox"/>	Over grown	





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 16232	
Date: 3/2/11	Time:
Inspected by: dean	Form Completed By: dean
Temperature (°F): 28	
Rainfall (in): Last 24 hours:	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Phot
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: <u>By Park Central - north of bridge</u>	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: <u>Concrete flared end section</u> Pipe: <u>12"</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input checked="" type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfer <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input checked="" type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 16242	
Date: 11/4/10	Time:
Inspected by: dean	Form Completed By:
Temperature (°F): 40	
Rainfall (in): Last 24 hours:	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATES\INSPECT\Outfalls\2011 Outfall Inspection Photos
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: <u> yes </u> Pipe: <u> 12 </u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 16246	
Date: 4/5/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 43	
Rainfall (in): Last 24 hours: _____ Last 48 hours: _____	
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Phot
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: <u>Behind old PW by ball fields</u>	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: _____
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 16251	
Date: 4/28/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 46	
Rainfall (in): Last 24 hours: 0.50	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATES\INSPECT\Outfalls\2011 Outfall Inspection Photos
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: Behind Sports complex - 1st pipe south of bridge	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: <u> 6" </u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 16254	
Date: 4/5/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 43	
Rainfall (in): Last 24 hours:	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\S\INSPECT\Outfalls\2011 Outfall Inspection Phot
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: <u>Behind sports complex - south of bridge</u>	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: <u>8"</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 16257	
Date: 4/5/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 43	
Rainfall (in): Last 24 hours:	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATES\INSPECT\Outfalls\2011 Outfall Inspection Phot
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: <u>6"</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfer <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 16301	
Date: 3/11/11	Time:
Inspected by: dean	Form Completed By:
Temperature (°F): 43	
Rainfall (in): Last 24 hours: no	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Photo
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input checked="" type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input checked="" type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: <u> 12 </u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 18041	
Date: 4/27/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 46	
Rainfall (in): Last 24 hours: 0.50	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATES\INSPECT\Outfalls\2011 Outfall Inspection Photos
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: <u>South side bridge behind Kirchoff Meadows</u>	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: <u>yes</u> Pipe: <u>12"</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 18042	
Date: 4/27/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 46	
Rainfall (in): Last 24 hours: 0.50	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Photos
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: Concrete 18"
<input type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 18118	
Date: 7/15/10	Time:
Inspected by: dean	Form Completed By: dean
Temperature (°F): 82	
Rainfall (in): Last 24 hours:	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Phot
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input checked="" type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: <u>By library parking lot</u>	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input checked="" type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: <u>18"</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input checked="" type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input checked="" type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input checked="" type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 18170	
Date: 4/27/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 63	
Rainfall (in): Last 24 hours: no	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATES\INSPECT\Outfalls\2011 Outfall Inspection Photos
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: Southside of Kirchoff bridge	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: <u>concrete</u> Pipe: <u>8"</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfer <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 18227	
Date: 7/14/10	Time:
Inspected by: dean	Form Completed By: dean
Temperature (°F): 85	
Rainfall (in): Last 24 hours: _____ Last 48 hours: _____	
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATES\INSPECT\Outfalls\2011 Outfall Inspection Phot
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: <u>Outlot Lot # 5 by post office</u>	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input checked="" type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: <u>18</u>
<input type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Depth: _____	
Flow Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input checked="" type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input checked="" type="checkbox"/> 3 - Severe
Notes:	<input checked="" type="checkbox"/>	top of pipe broken off	





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 20670	
Date: 3/9/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 39	
Rainfall (in): Last 24 hours: yes	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Photos
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input checked="" type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: <u>concrete w/steel flappers</u> Pipe: <u>42"</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input checked="" type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 20719	
Date: 3/9/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 38	
Rainfall (in): Last 24 hours: yes	Last 48 hours: yes
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Phot
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: <u>concrete flared end section</u> Pipe: <u>24"</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input checked="" type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 20720	
Date: 3/10/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 34	
Rainfall (in): Last 24 hours: yes	Last 48 hours: yes
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATES\INSPECT\Outfalls\2011 Outfall Inspection Phot
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input checked="" type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: <u>15"</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 20736	
Date: 3/9/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 39	
Rainfall (in): Last 24 hours: Yes	Last 48 hours: yes
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Phot
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: _____
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input checked="" type="checkbox"/>	pipe is underwater	





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 20737	
Date: 3/9/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 38	
Rainfall (in): Last 24 hours: yes	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATES\INSPECT\Outfalls\2011 Outfall Inspection Photo
Land Use in Drainage Area (check all that apply):	
<input checked="" type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: <u>concrete wingwall</u> Pipe: _____
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input checked="" type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 20753	
Date: 3/10/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 34	
Rainfall (in): Last 24 hours: yes	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATES\INSPECT\Outfalls\2011 Outfall Inspection Phot
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: _____
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 20798	
Date: 3/10/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 34	
Rainfall (in): Last 24 hours: yes	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATES\INSPECT\Outfalls\2011 Outfall Inspection Photo
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial <input type="checkbox"/> Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input checked="" type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: _____
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 20803	
Date: 3/10/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 34	
Rainfall (in): Last 24 hours: yes	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATES\INSPECT\Outfalls\2011 Outfall Inspection Photos
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input checked="" type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: <u>steel flappers</u> Pipe: <u>12"</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 20805	
Date: 3/10/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 34	
Rainfall (in): Last 24 hours: yes	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATES\INSPECT\Outfalls\2011 Outfall Inspection Phot
Land Use in Drainage Area (check all that apply):	
<input checked="" type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: <u>concrete falling apart</u> Pipe: <u>steel flapper</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input checked="" type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input checked="" type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 20826	
Date: 3/10/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 34	
Rainfall (in): Last 24 hours: yes	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATES\INSPECT\Outfalls\2011 Outfall Inspection Photos
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input checked="" type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: <u>concrete bridge wall</u> Pipe: <u>30"</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 20848	
Date: 3/10/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 34	
Rainfall (in): Last 24 hours: yes	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATES\INSPECT\Outfalls\2011 Outfall Inspection Photos
Land Use in Drainage Area (check all that apply):	
<input checked="" type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: <u>concrete wingwall</u> Pipe: <u>steel flapper</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfer <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 21221	
Date: 3/10/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 34	
Rainfall (in): Last 24 hours: <input type="checkbox"/> Yes <input type="checkbox"/> No	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Phot
Land Use in Drainage Area (check all that apply):	
<input checked="" type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: <u> 8" </u>
<input type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 21222	
Date: 3/10/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 34	
Rainfall (in): Last 24 hours: yes	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATES\INSPECT\Outfalls\2011 Outfall Inspection Photo
Land Use in Drainage Area (check all that apply):	
<input checked="" type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: <u> 15" </u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input checked="" type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input checked="" type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input checked="" type="checkbox"/>	detention area	





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 21243	
Date: 3/10/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 34	
Rainfall (in): Last 24 hours: yes Last 48 hours:	
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: E:\PRIVATE\S\INSPECT\Outfalls\2011 Outfall Inspection Phot
Land Use in Drainage Area (check all that apply):	
<input checked="" type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ steel flapper Pipe: _____ 15"
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfer <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 21253	
Date: 3/10/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 34	
Rainfall (in): Last 24 hours: yes	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Photo
Land Use in Drainage Area (check all that apply):	
<input checked="" type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: <u>concrete wing wall w/flapper</u> Pipe: <u>24"</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 21302	
Date: 3/10/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 34	
Rainfall (in): Last 24 hours: yes	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATES\INSPECT\Outfalls\2011 Outfall Inspection Phot
Land Use in Drainage Area (check all that apply):	
<input checked="" type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: <u>concrete wingwall w/steel flapper</u> Pipe: <u>36"</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 21303	
Date: 3/10/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 34	
Rainfall (in): Last 24 hours: yes	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATES\INSPECT\Outfalls\2011 Outfall Inspection Phot
Land Use in Drainage Area (check all that apply):	
<input checked="" type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input checked="" type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: <u>concrete wingwall</u> Pipe: <u>40"</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 22154	
Date: 3/10/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 34	
Rainfall (in): Last 24 hours: yes	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Photos
Land Use in Drainage Area (check all that apply):	
<input checked="" type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input checked="" type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: <u> 24" </u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 22155	
Date: 3/10/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 34	
Rainfall (in): Last 24 hours: yes Last 48 hours:	
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\INSPECT\Outfalls\2011_Outfall_Inspection Photo
Land Use in Drainage Area (check all that apply):	
<input checked="" type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: <u>concrete wingwall</u> Pipe: <u>24</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No	Depth: _____	
Flow Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 25044	
Date: 3/2/11	Time:
Inspected by: dean	Form Completed By: dean
Temperature (°F): 28	
Rainfall (in): Last 24 hours:	Last 48 hours:
Pictures Taken ? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
File Name: F:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Ph	
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: <u>Behind 3602 Brookmeade</u>	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: <u> </u> Pipe: <u> Metal w/grate</u> <u> 18</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: <u> </u> Top Width: <u> </u> Bottom Width: <u> </u>
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: <u> </u>
Flow Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input checked="" type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfer <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 25557	
Date: 3/8/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F):	
Rainfall (in): Last 24 hours: no	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Phot
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: <u>concrete wingwall</u> Pipe: <u>24"</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input checked="" type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfer <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input checked="" type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input checked="" type="checkbox"/>	concrete wingwall in bad shape	





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 25570	
Date: 3/8/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 43	
Rainfall (in): Last 24 hours: no	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Photos
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ concrete Pipe: _____ 18"
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 25660	
Date: 3/9/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 37	
Rainfall (in): Last 24 hours: yes	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATES\INSPECT\Outfalls\2011 Outfall Inspection Photo
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input checked="" type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ flapper Pipe: _____ 18"
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfer <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 25701	
Date: 3/9/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 39	
Rainfall (in): Last 24 hours: yes	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Photos
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input checked="" type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input checked="" type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: <u>steel flapper</u> Pipe: <u>15"</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input checked="" type="checkbox"/>	pipe is bent	





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 25702	
Date: 3/9/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 38	
Rainfall (in): Last 24 hours: Yes	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Photo
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input checked="" type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: <u> 10" </u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input checked="" type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfer <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 25703	
Date: 3/9/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 38	
Rainfall (in): Last 24 hours: Yes	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATES\INSPECT\Outfalls\2011 Outfall Inspection Photo
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input checked="" type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: <u> 8" </u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 25751	
Date: 3/9/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 38	
Rainfall (in): Last 24 hours: Yes	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATES\INSPECT\Outfalls\2011 Outfall Inspection Photo
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: <u>concrete wing wall</u> Pipe: <u>24"</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 25755	
Date: 3/8/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 43	
Rainfall (in): Last 24 hours:	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATES\INSPECT\Outfalls\2011 Outfall Inspection Photos
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: <u>concrete wingwall</u> Pipe: <u>60"</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 25782	
Date: 3/8/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 34	
Rainfall (in): Last 24 hours: no	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name:
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input checked="" type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: <u>15"</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No		Depth: _____
Flow Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input checked="" type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input checked="" type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input checked="" type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input checked="" type="checkbox"/>	soil erosion under flared end section	





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 25783	
Date: 3/8/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 43	
Rainfall (in): Last 24 hours: _____ Last 48 hours: _____	
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
File Name: F:\PRIVATES\INSPECT\Outfalls\2011 Outfall Inspection Photo	
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: <u> 20" </u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfer <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input checked="" type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input checked="" type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input checked="" type="checkbox"/>	cave-in	





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 25793	
Date: 3/7/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 43	
Rainfall (in): Last 24 hours:	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATES\INSPECT\Outfalls\2011 Outfall Inspection Phot
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input checked="" type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: Barker Ave bridge east side	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: <u>concrete wing wall</u> Pipe: <u>15"</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input checked="" type="checkbox"/>	Ground growth above flow line	





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 25794	
Date: 3/7/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 42	
Rainfall (in): Last 24 hours: Yes	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATES\INSPECT\Outfalls\2011 Outfall Inspection Photos
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: <u>North side of Barker Avenue bridge</u>	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: <u>Concrete wing wall</u> Pipe: <u>15"</u>
<input checked="" type="checkbox"/> Open Drainage	<input checked="" type="checkbox"/> Earthen <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Depth: _____
Flow Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input checked="" type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input checked="" type="checkbox"/>	Ground grown over - can't flow	





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 25798	
Date: 4/5/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 43	
Rainfall (in): Last 24 hours: No	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATES\INSPECT\Outfalls\2011 Outfall Inspection Photos
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: North of Barker Avenue bridge	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: Concrete wing wall Pipe: 12"
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input checked="" type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfer <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input checked="" type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 25809	
Date: 3/2/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 28	
Rainfall (in): Last 24 hours: no	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Photos
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input checked="" type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: <u>Rolling Meadows High School</u>	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: <u>24"</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Depth: _____
Flow Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input checked="" type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input checked="" type="checkbox"/> Corrosion <input checked="" type="checkbox"/> Flared end separation <input checked="" type="checkbox"/> Pipe separation <input checked="" type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input checked="" type="checkbox"/> 3 - Severe
Notes:	<input checked="" type="checkbox"/>	Pipe separation - pipe fell in creek	





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 25855	
Date: 3/1/11	Time:
Inspected by: dean	Form Completed By: dean
Temperature (°F): 34	
Rainfall (in): Last 24 hours:	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Photo
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ metel Pipe: _____ 33"
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfer <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input checked="" type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input checked="" type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>	flared end under water	





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 25885	
Date: 3/3/11	Time:
Inspected by: dean	Form Completed By: dean
Temperature (°F): 34	
Rainfall (in): Last 24 hours: no	Last 48 hours: no
Pictures Taken?: <input type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Photos
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input checked="" type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: <u>concrete</u> Pipe: <u>12</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 25897	
Date: 3/3/11	Time:
Inspected by: dean	Form Completed By: dean
Temperature (°F): 28	
Rainfall (in): Last 24 hours: no	Last 48 hours: no
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Photos
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: North of Brookmeade	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input checked="" type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: Concrete wing wall Pipe: 6"
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input checked="" type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input checked="" type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input checked="" type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input checked="" type="checkbox"/>	Soil erosion under pipe	





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 25972	
Date: 3/3/11	Time:
Inspected by: dean	Form Completed By: dean
Temperature (°F): 28	
Rainfall (in): Last 24 hours: no	Last 48 hours: no
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Photo
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input checked="" type="checkbox"/> Other	Flared End: <u>no</u> Pipe: <u>15</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 26032	
Date: 3/3/11	Time:
Inspected by: dean	Form Completed By: dean
Temperature (°F): 34	
Rainfall (in): Last 24 hours: no	Last 48 hours: no
Pictures Taken?: <input type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\SI\INSPECT\Outfalls\2011 Outfall Inspection Photos
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: <u>no</u> Pipe: <u>12</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 50080	
Date: 7/13/10	Time:
Inspected by: dean	Form Completed By: dean
Temperature (°F): 80	
Rainfall (in): Last 24 hours:	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATES\INSPECT\Outfalls\2011 Outfall Inspection Photo
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input checked="" type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: <u>None</u> Pipe: <u>21</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 50480	
Date: 7/13/10	Time:
Inspected by: dean	Form Completed By: dean
Temperature (°F): 82	
Rainfall (in): Last 24 hours:	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATES\INSPECT\Outfalls\2011 Outfall Inspection Phot
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: <u> 42 </u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input checked="" type="checkbox"/>	clear	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 50481	
Date: 7/13/10	Time:
Inspected by: dean	Form Completed By: dean
Temperature (°F): 82	
Rainfall (in): Last 24 hours:	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATES\INSPECT\Outfalls\2011 Outfall Inspection Phot
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: <u> 42 </u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input checked="" type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input checked="" type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 50482	
Date: 7/13/10	Time:
Inspected by: dean	Form Completed By:
Temperature (°F): 81	
Rainfall (in): Last 24 hours:	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATES\INSPECT\Outfalls\2011 Outfall Inspection Phot
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: <u> 36 </u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input checked="" type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 50483	
Date: 7/13/10	Time:
Inspected by: dean	Form Completed By: dean
Temperature (°F): 82	
Rainfall (in): Last 24 hours:	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Photo
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: <u>Arlington Park Race Track</u>	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: <u>87x132</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 50484	
Date: 7/8/10	Time:
Inspected by: dean	Form Completed By: dean
Temperature (°F): 80	
Rainfall (in): Last 24 hours:	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATES\INSPECT\Outfalls\2011 Outfall Inspection Photo
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: <u>Arlington Park Race Track</u>	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: <u>87x132</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 50485	
Date: 7/8/10	Time:
Inspected by: dean	Form Completed By: dean
Temperature (°F): 80	
Rainfall (in): Last 24 hours:	Last 48 hours:
Pictures Taken ? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
File Name: F:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Photo	
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: <u>Arlington Park Race Track</u>	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: <u>87x132</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 50486	
Date: 7/8/10	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 80	
Rainfall (in): Last 24 hours:	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Photos
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input checked="" type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: _____
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 50487	
Date: 7/8/10	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 80	
Rainfall (in): Last 24 hours: _____ Last 48 hours: _____	
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATES\INSPECT\Outfalls\2011 Outfall Inspection Photo
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input checked="" type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: _____
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input checked="" type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfer <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 50489	
Date: 7/13/10	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 82	
Rainfall (in): Last 24 hours:	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Photos
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: <u>Arlington Park Race Track</u>	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input checked="" type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: <u>87x132</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 50490	
Date: 7/13/10	Time:
Inspected by: dean	Form Completed By: dean
Temperature (°F): 82	
Rainfall (in): Last 24 hours:	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Phot
Land Use in Drainage Area (check all that apply):	
<input checked="" type="checkbox"/> Industrial <input checked="" type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input checked="" type="checkbox"/> Commercial Known Industries: <u>Arlington Park Race Track</u>	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input checked="" type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: <u>87x132</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 50595	
Date: 4/7/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 52	
Rainfall (in): Last 24 hours: _____ Last 48 hours: _____	
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Photos
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: <u>West of Euclid Avenue bridge by Arlington Race Track</u>	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: <u>Concrete</u> <u>18"</u>
<input type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 50684	
Date: 7/13/10	Time:
Inspected by: dean	Form Completed By: dean
Temperature (°F): 80	
Rainfall (in): Last 24 hours:	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Phot
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: <u> 30 </u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No		Depth: _____
Flow Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input checked="" type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input checked="" type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input checked="" type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input checked="" type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input checked="" type="checkbox"/>	bottom gone on flared end src	





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 50685	
Date: 7/13/10	Time:
Inspected by: dean	Form Completed By: dean
Temperature (°F): 80	
Rainfall (in): Last 24 hours: yes	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Photo
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: <u>North of Cambell Street on west side of creek</u>	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: <u>Metal 2x2 1/2</u> Pipe: <u>12"</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfer <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 50694	
Date: 7/13/10	Time:
Inspected by: dean	Form Completed By:
Temperature (°F): 80	
Rainfall (in): Last 24 hours:	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Phot
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: <u>2x2</u> Pipe: <u>8</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input checked="" type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input checked="" type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input checked="" type="checkbox"/>	flared end sec-bottom gone	





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 50698	
Date: 7/8/10	Time:
Inspected by: dean	Form Completed By: dean
Temperature (°F): 80	
Rainfall (in): Last 24 hours: yes	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATES\INSPECT\Outfalls\2011 Outfall Inspection Photo
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input checked="" type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: <u> </u> Metal Pipe: <u> </u> 21"
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: <u> </u> Top Width: <u> </u> Bottom Width: <u> </u>
Sediment Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No		Depth: <u> </u>
Flow Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input checked="" type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfer <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 50713	
Date: 7/13/10	Time:
Inspected by: dean	Form Completed By: dean
Temperature (°F): 80	
Rainfall (in): Last 24 hours: yes	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATES\INSPECT\Outfalls\2011 Outfall Inspection Phot
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: <u>Southeast of Campbell Street bridge</u>	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input checked="" type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: <u> </u> Metal Pipe: <u> </u> 24
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: <u> </u> Top Width: <u> </u> Bottom Width: <u> </u>
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: <u> </u>
Flow Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 50751	
Date: 7/13/10	Time:
Inspected by: dean	Form Completed By:
Temperature (°F): 81	
Rainfall (in): Last 24 hours: _____ Last 48 hours: _____	
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Phot
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: <u>3x3</u> Pipe: <u>18</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfer <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 50789	
Date: 7/13/10	Time:
Inspected by: dean	Form Completed By: dean
Temperature (°F): 86	
Rainfall (in): Last 24 hours:	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Photo
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: <u>Goes out to Cardinal Drive Park</u>	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input checked="" type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: <u>Flared 4x4 steel</u> Pipe: <u>24"</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfer <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input checked="" type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input checked="" type="checkbox"/> Soil erosion	<input checked="" type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 50854	
Date: 7/13/10	Time:
Inspected by: dean	Form Completed By: dean
Temperature (°F): 87	
Rainfall (in): Last 24 hours:	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Photo
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: <u>West of Post Office</u>	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: <u>Steel</u> Pipe: <u>24 pvc</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input checked="" type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input checked="" type="checkbox"/> Corrosion <input checked="" type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input checked="" type="checkbox"/>	holes	





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 50895	
Date: 7/13/10	Time:
Inspected by: dean	Form Completed By: dean
Temperature (°F): 84	
Rainfall (in): Last 24 hours:	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATES\INSPECT\Outfalls\2011 Outfall Inspection Phot
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: <u>2 1/2 x 3</u> Pipe: <u>24</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 51826	
Date: 3/2/11	Time:
Inspected by: dean	Form Completed By: dean
Temperature (°F): 33	
Rainfall (in): Last 24 hours:	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Photos
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: <u>East Frontage Road eastside by soccer fields</u>	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: <u>8"</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfer <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 52090	
Date: 7/14/10	Time:
Inspected by: dean	Form Completed By: dean
Temperature (°F): 86	
Rainfall (in): Last 24 hours:	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATES\INSPECT\Outfalls\2011 Outfall Inspection Photos
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: <u>kirchoff bridge</u>	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: <u>36</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input checked="" type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input checked="" type="checkbox"/>	pipe is part of bridge	





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 52237	
Date: 7/15/10	Time:
Inspected by: dean	Form Completed By: dean
Temperature (°F): 82	
Rainfall (in): Last 24 hours:	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
File Name: F:\PRIVATES\INSPECT\Outfalls\2011 Outfall Inspection Phot	
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input checked="" type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: <u>By Library</u>	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input checked="" type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input checked="" type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: <u>21"</u>
<input type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input checked="" type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input checked="" type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input checked="" type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 52565	
Date: 7/19/10	Time:
Inspected by: dean	Form Completed By: dean
Temperature (°F): 84	
Rainfall (in): Last 24 hours: _____ Last 48 hours: _____	
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No File Name: F:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Photo	
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input checked="" type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input checked="" type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: <u> none </u> Pipe: <u> 18 </u>
<input type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 52615	
Date: 11/4/10	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 40	
Rainfall (in): Last 24 hours:	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Photos
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input checked="" type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: by the sports complex	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input checked="" type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: <u>27"</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfer <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>	rip rap	





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 52666	
Date: 7/19/10	Time:
Inspected by: dean	Form Completed By: dean
Temperature (°F): 83	
Rainfall (in): Last 24 hours:	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATES\INSPECT\Outfalls\2011 Outfall Inspection Photos
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____ Park area	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input checked="" type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input checked="" type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: <u> 24 </u>
<input type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfer <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input checked="" type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input checked="" type="checkbox"/> Corrosion <input checked="" type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input checked="" type="checkbox"/> 3 - Severe
Notes:	<input checked="" type="checkbox"/>	ground is gone bothsides of pipe end of pipe is 25ft.from creek	





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 52681	
Date: 4/5/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F):	
Rainfall (in): Last 24 hours:	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\S\INSPECT\Outfalls\2011 Outfall Inspection Phot
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Urban Residential <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Commercial	<input checked="" type="checkbox"/> Open Space <input type="checkbox"/> Institutional <input type="checkbox"/> Other Known Industries: Behind Sports Complex east side north of bridge

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: <u>27"</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 52834	
Date: 3/2/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 28	
Rainfall (in): Last 24 hours: _____ Last 48 hours: _____	
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Phot
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ in concrete wing wall Pipe: _____ 10"
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input checked="" type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfer <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 52853	
Date: 3/2/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 34	
Rainfall (in): Last 24 hours:	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATES\INSPECT\Outfalls\2011 Outfall Inspection Phot
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: <u>South of Central Road bridge east side</u>	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input checked="" type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: <u>Steel</u> Pipe: <u>24"</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input checked="" type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 52911	
Date:	Time:
Inspected by:	Form Completed By:
Temperature (°F):	
Rainfall (in): Last 24 hours:	Last 48 hours:
Pictures Taken?: <input type="checkbox"/> Yes <input type="checkbox"/> No	File Name:
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: _____
<input type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		



OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 52957	
Date: 3/2/11	Time:
Inspected by: dean	Form Completed By: dean
Temperature (°F): 33	
Rainfall (in): Last 24 hours:	Last 48 hours:
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Phot
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: _____ Pipe: <u> 24 </u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input checked="" type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 52969	
Date: 3/2/11	Time:
Inspected by: dean	Form Completed By: dean
Temperature (°F): 34	
Rainfall (in): Last 24 hours: _____ Last 48 hours: _____	
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: E:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Photos
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: <u>Central Road Bride west side by Central Road School</u>	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input checked="" type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: <u>metel/w/grate</u> Pipe: <u>18</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Depth: _____
Flow Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfer <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input type="checkbox"/>		





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 54005	
Date: 7/13/10	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 83	
Rainfall (in): Last 24 hours: no Last 48 hours:	
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	File Name: F:\PRIVATE\INSPECT\Outfalls\2011 Outfall Inspection Phot
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input checked="" type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: _____	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input type="checkbox"/> Steel <input checked="" type="checkbox"/> PVC <input type="checkbox"/> Other	<input type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: <u>5x5 steel</u> Pipe: <u>12</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Depth: _____	
Flow Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input checked="" type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input checked="" type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input checked="" type="checkbox"/>	flared end has holes	





OUTFALL INSPECTION FORM

Section 1: Background Data

Outfall ID: 200229	
Date: 3/11/11	Time:
Inspected by: Dean	Form Completed By: Dean
Temperature (°F): 43	
Rainfall (in): Last 24 hours: _____ Last 48 hours: _____	
Pictures Taken?: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
File Name: F:\PRIVATES\INSPECT\Outfalls\2011 Outfall Inspection Photo	
Land Use in Drainage Area (check all that apply):	
<input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Open Space <input type="checkbox"/> Urban Residential <input type="checkbox"/> Institutional <input type="checkbox"/> Suburban Residential <input type="checkbox"/> Other <input type="checkbox"/> Commercial Known Industries: <u>Euclid Avenue bridge west of Vermont Street</u>	

Section 2: Outfall Description

TYPE	MATERIAL	SHAPE	DIMENSIONS
<input type="checkbox"/> Closed Pipe	<input type="checkbox"/> RCP <input type="checkbox"/> HDPE <input type="checkbox"/> CMP <input checked="" type="checkbox"/> Steel <input type="checkbox"/> PVC <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other	Flared End: <u>Concrete wing wall</u> Pipe: <u>12"</u>
<input checked="" type="checkbox"/> Open Drainage	<input type="checkbox"/> Earthen <input type="checkbox"/> Concrete <input type="checkbox"/> Rip Rap <input type="checkbox"/> Other	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Rectangular <input type="checkbox"/> Irregular <input type="checkbox"/> Other	Depth: _____ Top Width: _____ Bottom Width: _____
Sediment Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Depth: _____	
Flow Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If present: <input type="checkbox"/> Trickle <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> High	

Section 3: Physical Indicators

INDICATOR	CHECK if Present	DESCRIPTION	SEVERITY RATING
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Sulfur <input type="checkbox"/> Petroleum/gas <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily Detected <input type="checkbox"/> 3 - Noticeable from distance
Color	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Visible <input type="checkbox"/> 3 - Easily Visible
Turbidity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slightly cloudy <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Floatables	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Suds <input type="checkbox"/> Petroleum/oil sheen <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Deposits/stains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Heavy
Outfall Damage	<input type="checkbox"/>	<input type="checkbox"/> Cracking / chipping <input type="checkbox"/> Corrosion <input type="checkbox"/> Flared end separation <input type="checkbox"/> Pipe separation <input type="checkbox"/> Soil erosion	<input type="checkbox"/> 1 - Slight <input type="checkbox"/> 2 - Some <input type="checkbox"/> 3 - Severe
Notes:	<input checked="" type="checkbox"/>	Under water	



Grease Trap Project 2011

Hungry	1673 Algonquin	M	Outside Underground	Nov. 2011	Every 8 weeks		
Honey Baked Ham	1685 Algonquin	M	Inside Underground	Nov. 2011	Once a month		
Meridan Banquet Halls	1701 Algonquin	H	Outside Underground	Oct. 2011	Every 2 months, self-clean		
Chef Ping	1755 Algonquin	H	Outside Underground	Nov. 2011	Once a month		
McDonald's	1775 Algonquin	M	N/A	N/A	N/A	N/A	Grease trap part of plumbing, grease receptor available
Burger King	1901 Algonquin	M	Outside Underground	Nov. 2011	Once a month		
Bowl House	1921 Algonquin	H	Inside Underground	Jun. 2011	Once a year		
China 1	2208 Algonquin	H	Inside Underground	Nov. 2011	Once a month		
Los Laureles	2212 Algonquin	H	Inside Underground	Nov. 2011	6x a year		
La Quiringua	2216 Algonquin	H	Inside Underground	Aug. 2011	Every 3 months		
Mariscos	2219 Algonquin	H	Inside Underground	Nov. 2011	Every 2 months		
Pizza Ready	2222 Algonquin	M	Inside Underground	Oct. 2011	Every 3 months		
Subway	2226 Algonquin	M	Inside Underground	Oct. 2011	3x a year		
Ritzzy's Café	2765 Algonquin	H	Outside Underground	Oct. 2011	Once a month		
Plum Creek Supported Living	2801 Algonquin	H	Outside Underground	Sept. 2011	Every 6 months		
Egglectic Café	2905 Algonquin	H	Outside Underground	Oct. 2011	Once a month		
Woo Lae Oak	3201 Algonquin	H	Outside Underground	Nov. 2011	Every 3 months		
La Mirage	3233 Algonquin	H	Outside Underground	Nov. 2011	Once a month		
McKenna's	3405 Algonquin	H	Outside Underground	Oct. 2011	Once a year		
Sammy's Café	3601 Algonquin	M	Inside Above Ground	Oct. 2011	Once a month, self-clean		
Supermercado Michocan	3989 Algonquin	H	Inside Underground	Nov. 2011	2x a month		
Supermercado Michocan Taqueria	3989 Algonquin	H	Inside Underground	Nov. 2011	3x a month		
La Charanga	4003 Algonquin	M	Inside Above Ground	Oct. 2011	Once a month		
Sakura	4011 Algonquin	H	Inside Above Ground	Nov. 2011	Once a month, self-clean		
Sakura	4011 Algonquin	H	Inside Above Ground	Nov. 2011	Once a month, self-clean		
Sakura	4011 Algonquin	H	Inside Above Ground	Nov. 2011	Once a month, self-clean		
Stadium Sports Bar	4015 Algonquin	H	Inside Above Ground	Oct. 2011	Every 2 weeks, self-clean		

Grease Trap Project 2011

Red Apple	2121 Plum Grove	H	Outside Underground	Oct. 2011	Every 3 months		
Absolutely Chinese	2140 Plum Grove	H	Inside Underground	Oct. 2011	Once a month		
Papa Saverio's	2158 Plum Grove	M	Inside Underground	Oct. 2011	Every 6 weeks		
Gus's Diner	2160 Plum Grove	H	Inside Underground	Nov. 2011	Once a month thru company, weekly self-clean		
Meadow's Sheltered Care	3250 Plum Grove	H	Outside Underground	Nov. 2011	Every week, self-clean		
Pepe's	5153 New Wilke	H	N/A	N/A	N/A	N/A	No grease trap, just grease receptor
Chicago Hickory Roaster's	5440 New Wilke	H	N/A	N/A	N/A	N/A	Grease trap part of plumbing, grease receptor available
Einstein Brother Bagels	5500 New Wilke	M	Inside Underground	Oct. 2011	Once a month		
Chipotle	1211 Golf	M	Outside Underground	Aug. 2011	Every 6 months		
Meijer	1301 Golf	H	N/A	N/A	N/A	N/A	Does NOT have grease trap
Jimmy John's	1317 Golf	M	Inside Underground	Nov. 2011	Once a week, self-clean		
Gino's East	1321 Golf	H	Outside Underground	Oct. 2011	Once a month		
Five Guys	1323 Golf	M	Inside Underground	Oct. 2011	Once a month		
Arby's	1331 Golf	M	Outside Underground	Oct. 2011	Every 6 months		
Potbelly's	1402 Golf	M	Inside Underground	Nov. 2011	Once a month		
Buona Beef	1420 Golf	M	Outside Underground	Oct. 2011	Every 2 or 3 weeks		
Old Country Buffet	1440 Golf	H	Outside Underground	Oct. 2011	Every 3 months		
Panda Express	1454 Golf	H	Inside Underground	Nov. 2011	Once a month		
Subway	1456 Golf	M	Inside Underground	Oct. 2011	Once a month		
Subway (Walmart)	1460 Golf	M	N/A	N/A	N/A	N/A	Does NOT have grease trap
Portillo's	1900 Golf	M	Outside Underground	Nov. 2011	Once a month		
Meadow's Café West	2550 Golf	M	Inside Underground	Sept. 2011	4x a year		
Meadow's Café East	2850 Golf	M	Inside Underground	Sept. 2011	2x a year		
Meadow Club Banquets	2950 Golf	H	Outside Underground	Nov. 2011	2x a month		
Atrium Café	3800 Golf	H	Outside Underground	Sept. 2011	3x a year		
Steak 'n' Shake	1501 Algonquin	H	N/A	N/A	N/A	N/A	Grease trap part of plumbing, grease receptor available
Sushi Station	1641 Algonquin	H	Inside Underground	Nov. 2011	Once a month		
Red Lantern	1655 Algonquin	H	Inside Underground	Sept. 2011	3x a year		
Falafel Bistro	1669 Algonquin	H	Inside Underground	Oct. 2011	4x a year		

Grease Trap Project 2011

Name	Address	Risk Level	Location of GT	Last Cleaning	Cleaning Schedule	Recommended Cleaning Schedule	Notes
Subway (Sweeny Oil)	3800 Bernick	M	Inside Underground	Sept. 2011	3x a year		
Clearbrook	3201 Campbell	H	Inside Underground	Nov. 2011	2x a year		
Jake's Pizza	1930 Central	M	Inside Underground	Jul. 2011	2x a year		
Ceres Food Group	2800 Central	H	Inside Above Ground	Jun. 2011	2x a year		
Northrup	500 Hicks	H	Outside Underground	Oct. 2011	Once a month		
Northrup	600 Hicks	H	Outside Underground	Oct. 2011	Once a month		
Wings	1445 Hicks	H					
Ben's Catering	1645 Hicks	M	Inside Underground	Mar. 2011	Every 6 months		
A.H. Entertainers	1151 Rohlwing	M	Inside Above Ground	Sept. 2011	Every 2 months, self-clean		Has Enzyme Bacterial drain disgestant to make cleaning easier, grease is collected in cans, freezed and disposed with garbage
A.H. Entertainers	1151 Rohlwing	M	Inside Underground	Sept. 2011	Every 2 months, self-clean		Has Enzyme Bacterial drain disgestant to make cleaning easier, grease is collected in cans, freezed and disposed with garbage
OutTakes	5201 Tollview	M	Inside Underground	Nov. 2011	4x a year		
Senor Tacos	2643 Kirchoff	M	Inside Above Ground	Jul. 2011	3x a year		
Taco Bell	2997 Kirchoff	M	Outside Underground	Oct. 2011	Once a month		
Jewel	3000 Kirchoff	H	N/A	N/A	N/A	N/A	Does NOT have grease trap
Little Caesar's	3106 Kirchoff	M	Inside Underground	Sept. 2011	Every 5 or 6 months		
McDonald's	3140 Kirchoff	M	N/A	N/A	N/A	N/A	Grease trap part of plumbing, grease receptor available
Subway	3206 Kirchoff	M	Inside Underground	Jun. 2011	Every 4 to 6 months		
Great American Bagel	3240 Kirchoff	M	Inside Underground	Nov. 2010	Once a year		
AMF Bowling	3245 Kirchoff	M	Inside Above Ground	Oct. 2011	Once a month		
Fratello's	3301 Kirchoff	M	Inside Above Ground	Oct. 2011	Once a month, self-clean		
Manor Health Care	4225 Kirchoff	H	Outside Underground	Oct. 2011	Every 4 months		
Subway	1921 Plum Grove	M	Inside Underground	Oct. 2011	Every 2 months, self-clean or company		
Nancy's Pizza	1925 Plum Grove	M	Inside Underground	Jul. 2011	Once a year		
Thai Cuisine	1933 Plum Grove	H	Inside Underground	Aug. 2011	Every 4 months		
Pizza Hut	2101 Plum Grove	M	Outside Underground	Jul. 2011	Every 5 months		

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HAZARDOUS MATERIALS RESPONSE

Thousands of chemicals are classified as hazardous materials and are manufactured, stored, used, or transported through Rolling Meadows daily. Virtually every facet of modern society is dependent upon chemicals for their very existence. Chemicals exist everywhere in Rolling Meadows, and every citizen is a potential beneficiary or victim of their effects.

Despite the extensive safety precautions exercised by most manufacturers, users, and transporters of hazardous materials, there will be accidents. Any release of a hazardous material can be a threat to life, property, and the environment. The goal of the Fire Department is to react correctly when a hazardous release occurs, keeping paramount the safety of the population and the personnel involved.

The following procedures will provide personnel with steps to follow when dealing with the ever increasing number of hazardous incidents within our Division.

DEFINITION OF HAZARDOUS MATERIALS

Hazardous Materials are defined as follows:

1. Corrosives.
2. Cryogenics (low temperature agents).
3. Etiological agents.
4. Explosives.
5. Flammable or combustible liquids.
6. Flammable solids.
7. Oxidizers (agents that will create oxygen to sustain combustion).
8. Poisons.
9. Pyrophoric liquids (spontaneously ignites with air).
10. Pyrophoric solids (spontaneously ignites with air).
11. Radioactive materials.
12. Unknown chemicals or substances.
13. Water reactive substances.

Or any other chemical, substance, or material in a quantity or form that poses an unreasonable risk to health, property, or the environment.

The following four pages are the Department of Transportation's Hazardous Materials definitions and classifications. This will, hopefully, give a clearer understanding of the hazardous materials listed above.

SECTION NINE

GUIDELINES & PROCEDURES FOR HAZARDOUS MATERIALS EMERGENCIES

The overall objectives of the Fire Department during hazardous material emergencies is to stabilize the incident, i.e., extinguish, confine, and/or stop the escape of the hazardous material. However, the final responsibility of the Fire Department extends to the conclusion of the emergency. Sometimes the Fire Department must provide for the removal of the material and the clean-up.

Meeting the responsibilities and objectives of the Fire Department without injury or further property damage requires deliberate thought in the following mentioned divisions:

1. Arrival at the scene.
2. Command and control.
3. Hazardous material response.
4. Identification.
5. Determination of hazard.
6. Stabilization of the emergency.
7. Hazard removal.
8. Documentation.

ARRIVAL AT THE SCENE

EXTREME CAUTION SHALL BE EXERCISED IN THE APPROACH OF A HAZARDOUS MATERIALS INCIDENT.

FIRST ARRIVING COMPANY:

The first arriving company shall:

1. STOP AND ASSESS the incident from a distance.
2. Avoid driving into or near vapor clouds. Get wind direction while awn.
3. Treat ALL substances as hazardous until proven otherwise.
4. Identify the hazard.
5. Relay the chemical name and identification number to Command.
6. When needed, advise Command to have Central page the Haz Mat Officer via telephone page 797-1890.

For known potentially severe haz mat calls prior to leaving the stations, one man will respond (ICOM Van {850}) from Station 16 to the scene. Callback personnel or ESDA personnel will respond in the Squad 16 (840).

7. Decide whether close size-up is necessary and if it can be safely accomplished. If so:
 - A. Commit only two men to size-up the emergency.
 - B. Wear full protective clothing and respiratory protection. This is a minimum requirement.
 - C. Duct tape will be used to wrap ankles and wrists to provide proper seals.
 - D. Approach upwind and upgrade.
 - E. Avoid contact with the hazardous material.
 - F. Assess the problem quickly and return.

NOTE: If a quick size-up is not allowable, await the arrival of the Command Officer or the Haz Mat Officer. It may be necessary to make an immediate rescue. If so, this should be done with an awareness of the risk and with a minimum number of men needed to accomplish the rescue. Rescues should be done with extreme caution and considered on a situational basis, always considering first the safety of our firefighters. IF YOU DON'T KNOW, DON'T GO!!

8. Decide a plan of action to extinguish a fire or confine the hazard.
9. Take action.

ACTION AT A HAZARDOUS MATERIALS INCIDENT SHOULD BE AVOIDED UNTIL THE CHEMICAL IS IDENTIFIED AND ITS HAZARDS KNOWN.

SECTION NINE

ALL LATER ARRIVING COMPANIES

All later arriving companies shall stage:

1. Away from the site unless directed by the first arriving officer and given an assignment to "go to work."
2. Upwind and updrift from the emergency.
3. Out of and well away from vapor clouds.

COMMAND AND CONTROL

Control of hazardous material emergencies is vital in stabilizing the emergency without injury to personnel or civilians. The highest ranking fire officer will be in command and shall:

1. Establish a Command Post and therein remain throughout the incident.
2. Define limits of the hazard zone, and, if needed, the evacuation zone. A 24,000:1 evacuation map and corresponding evacuation chart is provided for this purpose in Haz Mat 15 (640).
3. Size-up the emergency.
4. Develop and initiate a plan of action.

COMMAND POST:

Rolling Meadows Fire Department Command Post procedures shall apply during hazardous materials incidents. The Command Post will be:

1. Established in the cold zone.
2. Positioned where the overall scene can be viewed.
3. Located adjacent to ESDA vehicles and the Haz Mat Officer when possible.
4. Command Post should consist of the Chief, Deputy Chief, Battalion Chief, Haz Mat Officer, and a designated Communications Operator for the ICOM Van (850) or 655.

HAZARD ZONE:

The Hazard Zone is an area surrounding the emergency for a distance in either direction for which personnel are in immediate danger. The Hazard Zone shall be:

1. Cleared of all non-essential personnel.
2. Controlled by the Fire Department.
3. Guarded by Fire Department personnel or ESDA personnel as assigned by the Command Officer.
4. Entered ONLY by personnel assigned to do so by Command and ONLY in full protective clothing.

5. Maintained until the CONCLUSION of the emergency,
6. Barricaded.

EVACUATION ZONE:

The Evacuation Zone is an area beyond the Hazard Zone and depends upon the nature or quantity of the hazardous material involved. It may be a radius around the Hazard Zone for a potential explosion or downwind from the Hazard Zone for a toxic, flammable vapor.

Guidelines are as follows:

1. Evacuation will be ordered by the Fire Command Officer.
2. The Evacuation Zone will be evacuated and controlled by the Police Department and will be assisted by ESDA personnel.
3. Fire personnel will commence evacuation when Police have not yet arrived.
4. Additional fire companies may be called by Command to aid Police during large scale evacuations.
5. Firefighters will be assigned evacuation areas that have been overrun by hazardous vapor clouds or in any way has become dangerous for personnel without appropriate protective clothing and respiratory equipment.
6. ESDA will be notified when transportation or shelter is needed for evacuees.

SIZE-UP:

The following incident factors will be considered when developing a plan of action:

1. Type of incident
 - A. Fire
 - B. Spill
 - C. Release
 - D. Leak
2. Harmful nature and quantity of material
3. Type and condition of container
4. Modifying conditions
 - A. Location
 - B. Time of day
 - C. Weather
 - D. Wind direction and speed
5. Exposures
 - A. Life (civilian and fire personnel)
 - B. Property
 - C. Equipment
 - D. Environmental damage
6. Resources

PLAN OF ACTION:

Objectives for the plan of action shall include:

1. Rescue injured and endangered persons
2. Prevent container failure
3. Contain or neutralize the hazard
4. Extinguish ignited material
5. Protect exposures
6. Use additional resources.

HAZARDOUS MATERIAL RESPONSE LEVELS

Purpose

The purpose of defining response levels is to establish common levels of response and terminology. Hazardous materials response shall conform to the following:

Initial Response

All Hazardous Material Incident will be initially dispatched as a Code III, Level I, incident. Only the Incident Commander can raise the level of the incident. Level I response means the First Responder operational level, and should meet the following:

Level I Response

The initial on-duty response to a report of a hazardous materials incident. First Responder Operational Level (Incident meets the majority of the following)

- * Incident conditions/product identification: Placard not required, NFPA 704, 0 or 1 all categories, all Hazmat A, B, C, D.
- * Container size: small (e.g., pail, drums, cylinders, except one-ton, packages, bags).
- * Fire/Explosion Potential: low.
- * Leak Severity: No release or small release contained or confined with readily available resources.
- * Life Safety: No life-threatening situation from materials involved.
- * Environmental Impact: minimal.
- * Container Integrity: Not damaged.

Level II Response

The escalation of a confirmed hazardous materials incident requiring the dispatching of the Rolling Meadows Hazardous Materials Response Team to include the call back to its members. Criteria for a Level II Response (Incident meets the majority of the following)

- * Incident Conditions Product Identifications: DOT placarded, NFPA 704, 2 for any categories, PCB's without fire, EPA regulated waste.
- * Container Size: Medium (e.g., one ton cylinder, portable container, nurse tanks, multiple small packages, carboys, multiple drums.
- * Fire/Explosion Potential: Medium.
- * Leak Severity: Release may not be controlled without special resources.
- * Life Safety: Localized area, limited evacuation area.
- * Environmental Impact: Moderate.
- * Container Integrity: Damaged but able to contain the contents to allow handling or transfer of product.

Level III Response

The escalation of a confirmed hazardous materials incident requiring more resource, specialized equipment and/or trained technicians to mitigate the incident. The activation of the Level III response will automatically require the response of the Hazardous Materials Response Units (HMRU's) with a minimum of two, on-duty, certified Hazardous Materials Technicians and the call back (and response to the scene) of the Rolling Meadows off-duty HMRT members.

The Level III shall be requested by the on-scene Incident Commander by requesting the response of the non-stricken community's HMRT's in common language. Priority determination should be made as soon as possible by either the Incident Commander or the Hazardous Materials Officer.

The responding HMRU's and personnel shall report to the Hazardous Materials Sector Officer of Rolling Meadows and are not to be used for any other purpose than related operations. The Hazardous Materials Sector Officer shall assign the responding HMRT's and off-duty personnel to his/her best advantage. The non-stricken HMRT's shall report to and work for the Hazardous Materials Sector Officer and in no other capacity. The Hazardous Materials Sector Officer shall report to and work directly for the on-scene Incident Commander. The Hazardous Materials Sector Officer shall structure the Hazard Sector operations into sub-sectors and shall assign qualified Hazardous Materials Technicians and Specialists and Team Leaders as required. Only HMRT trained personnel shall be assigned to these sectors and sub-sectors.

Criteria For a Level III Response (Meets the majority of the following)

- * Incident Conditions/Product Identification: Poison A (gas), explosives A/B, organic peroxide, flammable solid, materials dangerous when wet, chlorine, fluorine, anhydrous ammonia, radioactive materials, NFPA 704, 3 and 4 for any categories, including special hazards, PCB, and extremely hazardous substances and cryogenics. Hazardous Materials listed on the Initial Isolation and Protective Action Table of the DOT Emergency Response Guidebook.
- * Container size: Large (e.g., tank cars, tank truck, stationary tanks, hopper cars/trucks, multiple medium containers).
- * Fire/Explosion Potential: High.
- * Leak Severity: Release may not be controllable even with special resources.
- * Environmental Impact: Severe.
- * Container Integrity: Damaged to such an extent that catastrophic rupture is possible.

Priority Level Response

To regulate/establish a common response organization, the Level III requests shall be subclassified according to the following.

Level III - Priority I

- * Gas/Vapor Atmosphere: Chlorine, Anhydrous Ammonia, Fluorine, Hydrocyanic Acid, Acrylonitrile, Hydrofluoric Acid, Ethylene, Materials listed on the Initial Isolation and Protective Action Table of the DOT Emergency Action Guide and other life gases/substances.
- * A Rescue Situation is Present.
Entry Team - Level A
 - Unknown substance(s) and unknown concentration(s)
 - Known substance(s) and unknown concentration(s)
 - Known substance(s) or extreme hazard (NFPA 704, 3 or greater)
 - Known substance(s)/concentration requiring complex decontamination procedures or techniques.

Level III - Priority II - Liquid/Vapor/Airborne Solids

- Unknown material and unknown concentration
- Known material and unknown concentration
- Known material/concentration requiring complex decontamination procedures or techniques

Entry Team	Level B
Back-Up Team	Level B
Decon Team	Level B or C

Level II Priority I

- Known material and unknown concentration
- Severe to moderate hazard
- Moderate to light decon requirements

Entry Team	Level B
Back-Up Team	Level B
Decon Team	Level B or C

Procedures for Requesting Level III

- Incident Information Summary - Dispatch
- Determine Priority Level

When incident commanders are faced with a Level III incident, the incident shall be dispatched to include the Priority assigned by the incident commander.

Manning: 11 (Station 15=5; Station 16=5; B/C.)

District 15

Station 15
3 Man Engine
2 Man Hazmat

Station 16
3 Man Engine
2 Man Amb.
Battalion Chief

*Callback

District 16

Station 15
3 Man Engine
2 Man Hazmat

Station 16
3 Man Engine
2 Man Ambulance

*Callback

District 3

Station 15
3 Man Engine
2 Man Hazmat

Station 3
3 Man Engine

Station 16
2 Man Amb.
Battalion Chief

*Engine 16 Available

District 17/Rural

Station 15
2 Man Hazmat

Station 16
3 Man Engine
2 Man Amb.
Battalion Chief

Station 17/Rural
3 Man Engine

* Engine 15 Available

HAZARDOUS MATERIALS OFFICER RESPONSE

The Haz Mat Officer will be dispatched upon request of the highest ranking officer to all emergencies involving hazardous materials or suspected hazardous materials, when it is determined that the need for the Haz Mat Officer is necessary and that the fire companies cannot bring the incident to a conclusion otherwise.

Responsibilities of the Haz Mat Officer are as follows:

1. Insure the safety of those at the scene.
2. Serve as an advisor to the commanding officer.
3. Identify the hazardous material and determine hazards.
4. Communicate with technical personnel and keep the commanding officer advised.
5. Insure monitoring of the area for toxic and flammable vapors.
6. Insure confinement of released material.
7. Insure leaking containers are secured.
8. Insure barricading for zones is defined by the commanding officer.
9. Insure decontamination for personnel is provided.
10. Insure the safe removal or pickup of spilled material.
11. Insure the proper clean-up and decontamination of the site.

IDENTIFICATION

THE FIRST STEP AT HAZARDOUS MATERIALS EMERGENCIES IS TO IDENTIFY THE HAZARD.

ON THE SCENE:

Identification of a hazard at the scene is obtained from:

1. D.O.T. placards.
2. Shipping papers.
3. Manufacturer labels.
4. Container markings.
5. Driver or plant personnel.

CHEMTREC:

For unknown hazards in transportation emergencies:

1. Contact CHEMTREC initially, even though the manufacturer or shipper is a local firm.
2. Emergency telephone number: 1-800-424-9300 (24 hours).
3. Call direct when possible, otherwise go through dispatch.
4. Furnish as much of the following information as possible:
 - A. Name of caller and callback number.
 - B. Location of emergency.
 - C. Shipper or manufacturer.
 - D. Container type.
 - E. Trailer and truck number.
 - F. Carrier name.
 - G. Consignee.
 - H. Local conditions.
5. Keep callback number free of unrelated communication throughout the emergency.

RAILROAD INCIDENTS:

For unknown chemical in railroad cars, or for train derailment:

1. Contact appropriate railroad:

CHICAGO AND NORTHWESTERN:

First, call Duval Tower 24 hour outside telephone 824-5830.
If busy, call 547-4172.

Then call C&NW Police 24 hour telephone 559-6677.

NOTE: During business hours, M-F, 8 AM-5 PM,
Mr. Ernest Halley, Manager of Hazardous Materials: 559-6675.

2. Contact CHEMTREC 1-800-424-9300 as required.
3. Call direct, otherwise go through Dispatch.
4. Furnish the number of the railcar (be specific).
5. Be prepared to copy the correct spelling of the chemical, the ID number, and the STCC number.
6. In train derailments, furnish the nearest cross street to the accident.

GOOD ACTION DICTATES THAT NO DIRECT STEPS BE TAKEN TO HANDLE THE HAZARD OTHER THAN ISOLATION AND EVACUATION UNTIL THE MATERIAL(S) ARE IDENTIFIED.

DETERMINE THE HAZARD

Hazards of the substance and the precautions necessary for handling the hazard shall be determined after identifying the material. The Commanding Officer needs to obtain this information to make the proper determination of his plan of action. The information can be obtained from the following:

1. Reference Books.
 - a. EMERGENCY RESPONSE GUIDEBOOK, D.O.T.
 - b. Other haz mat reference books provided in Unit 655 and front line engines.
2. CHEMTREC 1-800-424-9300.
3. Manufacturer or shipper.

4. Technical companies.
- A. Chlorep (TX available through CHEMTREC)
 - B. PSTN (Pesticide Safety Team Network. TX available through CHEMTREC).
 - C. Poison Control Center: NWCH 259-8720.
CHICAGO 1/800/942-5969
 - D. Center for Disease Control: Atlanta, Georgia
During Business Hours of 8-4:30, M-F, EST, Office of Bio-Safety, 1-404-329-3883.
OR
After Business hours listed above, Office of Bio-Safety:
1-404-329-2888.
 - E. Consignee.
 - F. Train List (Way Bill/Bill of Lading: usually found in engine, with engineer).

STABILIZING THE EMERGENCY

A hazardous materials emergency is stabilized by extinguishing the fire, confining the released material and stopping the further release of the substance.

EXTINGUISHING THE FIRE:

Fires involving hazardous materials are extremely dangerous and the safety of life, both civilian and fire personnel, shall always be paramount. Guidelines are as follows:

1. Determine the proper extinguishing agent.
2. Wear full protective clothing and respiratory protection.
3. Determine quantity and flow rate of AFFF needed to extinguish the fire.
4. Delay attack until sufficient quantities of AFFF are available on site, unless it is necessary to protect exposures by limiting fire intensity.
5. Have AFFF flowing from the nozzle before attacking the fire.
6. Approach from upwind and upgrade.
7. **UNDER NO CIRCUMSTANCES ARE FIRE PERSONNEL TO ENTER FUEL SPILL AREAS, EXCEPT TO PERFORM A RESCUE OR TO STOP A LEAK. IF PERSONNEL MUST BE COMMITTED TO THESE SITUATIONS, AFFF PROTECTION LINES SHALL BE USED AND PERSONNEL WILL DON ALUMINUM PROXIMITY SUITS.**
8. Maintain backup lines during attack.
9. Attack from sides of container rather than the ends.
10. Remove or cool containers exposed to heat.
11. Set unmanned monitors and pull back firefighters when adequate coverage cannot be assured on exposed containers.

12. A potential for a BLEVE must be foremost in the mind of the fire officer. If the fire or flame impingement has occurred for more than ten minutes; if 500 GPM minimum cannot be applied at the point of flame impingement, in less than five minutes; if the relief valve is operating and growing in flame intensity or noise, the fire officer must pull firefighters out of the area immediately. Due to time constraints, this judgement is likely to have been made by the first arriving officer.
13. Apply water to vapor space of exposed containers, especially to the point of flame impingement.
14. Do not extinguish burning gases unless the supply can be shut off.
15. Give thought to allowing pesticides to burn out while protecting exposures.

CONFINING RELEASED CHEMICALS:

Spills and leaks shall be confined to the smallest area possible with the limited protection offered by firefighting clothing.

Guidelines for confining a released substance are:

1. Wear full protective clothing and respiratory equipment.
2. Catch leaking substance in a container, if possible.
3. Avoid contact with the material or with the vapors of the material.
4. Avoid working in flammable atmospheres.
5. Confine spills with dams of dirt, sand, fire hose, or other available materials.
6. Cover storm drains and manholes with salvage covers, or dike around these openings with dirt, sand, fire hose, salvage covers, or other available materials. Be creative!
7. Notify the Coast Guard, Rolling Meadows Health Department, Rolling Meadows Public Works, as required.
8. Cover spill with AFFF, if applicable, to reduce vapors.
9. Absorb or disperse vapors with water fog, and control runoff with salvage cover shoots, catchalls, dikes of dirt or sand, etc.
10. Avoid the use of water on the leak area of containers of chlorine and similar corrosive materials.
11. Remove ignition sources near and around flammable vapors.

STOPPING FURTHER RELEASE:

Stopping further release of a hazardous material is the final step in stabilizing the emergency. Guidelines for this are:

1. Stop the leak if it is safe to do so. Remember to have full protective clothing on with respiratory equipment.
2. Shut off valve to control the leak.
3. Plug or slow the leak with available material. If applicable, wrap a towel or rag around the leaking valve and use a catch basin for leaking material.
4. Be sure the leaking material is compatible with the plugging material.
5. Avoid overhead leaks and other types of leaks that will saturate fire clothing.
6. Leave poisons, corrosives, pesticides, PCBs and radioactive materials to the discretion of the commanding officer, shipper, consignee, or other available resources.

HAZARD REMOVAL

Removal of the hazard after the emergency has been stabilized is usually performed by the party responsible for the accident. However, the Fire Department may be forced to be involved. Hazard removal consists of eliminating the spilled product, or sometimes removing a product remaining in a container. It may also include removing the container from the site, or decontaminating the affected site when environmental hazards are involved.

ELIMINATING SPILLS:

It no longer is acceptable to wash away hazardous materials spills.

Guidelines for picking up spilled chemicals are as follows:

1. Large spills and spills of environmental hazards shall be picked up with equipment ordered by the responsible party.
2. Fire personnel shall not order outside equipment except under extreme circumstances, and then command should request the necessary equipment.
3. Acid spills may be washed away provided the PH level can be raised above six. (Use litmus paper.)
4. Absorbants used on small spills and of which cannot be disposed of properly at the site shall be placed in recovery drums and held until proper disposal can be arranged.

REMOVING THE PRODUCT:

When a hazardous material has to be removed from a damaged container, the following guidelines shall apply:

1. Both the damaged container and the receiving container shall be grounded and bonded together before off-loading flammables.
2. Protective lines shall be maintained until transferring is completed.
3. Fire personnel involved in this evolution shall have full protective equipment and respiratory equipment.
4. Fire personnel not involved in this evolution shall remain out of the designated hazard zone.
5. Gas cylinders may be burned off using specified burn off kits, or gasses may be disbursed into the atmosphere, but only when fog lines are utilized to break up the gasses.

REMOVING CONTAINERS:

Guidelines for container removal after transportation emergencies are:

1. Large, damaged, pressurized containers within which the product remains will be examined by competent personnel before the container is moved.
2. A layer of AFFF will be applied and maintained around large, overturned containers that contain flammables, before uprighting and removing.
3. Under no circumstances will an overturned tanker or rail car be uprighted prior to transferring the product.
4. Protective lines will be maintained during uprighting and removal of containers that contained flammables.
5. Fire personnel manning protective lines shall be in full protective clothing and respiratory equipment.
6. Small containers will be recovered by fire companies and placed in recovery drums if the responsible party cannot be identified.
7. Containers of radioactive materials with a reading less than 200 mr/hour shall be placed in plastic bags by the fire companies and removed from the site. They will be held for proper authorities when the responsible party cannot be identified.

DECONTAMINATION:

Pesticides, PCBs, radioactive materials, and other hazardous materials which pose a contamination problem will not only require decontamination of the site, but require special precaution throughout the emergency. For these emergencies the following apply:

1. An area for contaminated equipment and clothing will be established and cordoned off adjacent to the hazard zone.
2. Fire hose and large equipment will remain in the hazard zone until checked for contamination.
3. A drench shower will be established with water runoff diked or channeled to a safe area for later disposal, adjacent to the decontamination area.

4. Engineers supplying the shower will engage the pump only when the shower is in use and are not to leave the apparatus while standing by, in case the shower is needed quickly for emergency decontamination.
5. All personnel exposed to the hazardous material or its vapors, or smoke will wash down as they leave the hazard zone.
6. Fire clothing will be removed after the washdown in a top to bottom sequence as follows:
 - A. Helmet.
 - B. Airpack (Remove from shoulders only. Keep air flowing to mask). DO NOT REMOVE THE FACE PIECE. Person being decontaminated shall carry the air pack in his hands, hooked up and air flowing until he is told to disconnect it from the face piece.
 - C. Gloves.
 - D. Coat.
 - E. Bunker pants and boots.
 - F. Air pack face piece.
7. The exposed side of the fire clothing is not to be handled with bare skin. A helper with appropriate type chemical gloves will aid in the removal of contaminated clothing. A helper should have higher or equivalent protective clothing as person being decontaminated.
8. Fire clothing shall be put in the cordoned area until checked for contamination. If contaminated, the clothing will be placed in recovery drums for proper handling.
9. Hazardous materials that may have penetrated protective clothing will require that personnel take three showers with soap and water (use a soap with no perfumes, such as Ivory) and receive medical attention.
10. Small, non-porous equipment and tools shall be washed thoroughly before removal from the hazard zone, and then placed in the cordoned zone.
11. The hazard zone shall remain barricaded until the area is declared free of contamination by competent personnel.

DOCUMENTATION

Detailed accounting of hazardous materials emergencies is sometimes requested by State and Federal agencies, days or weeks after the incident. It is important to document an emergency before the details begin to fade from memory. All major hazardous materials emergencies shall be documented as follows:

1. Major incidents are emergencies where lives are lost, extensive damage occurred and/or widespread evacuation took place.
2. Every participating emergency personnel shall write a report as soon as possible after the incident.
3. The report will describe:
 - A. What the person witnessed.
 - B. What he/she did.
 - C. What he/she used.
4. Reports will be forwarded to the commanding officer or the Haz Mat Officer.
 - A. These forms will be filled out for any City employee (Fire, Police, Public Works, Health Department, etc.) who may have been exposed.
 - B. An indepth chemical exposure interview shall be done with all personnel under the following conditions:
 1. Personnel who become symptomatic.
 2. Exposure to pesticides.
 3. Exposure to Class A poisons
 4. Exposure to unknown or suspected carcinogens.
 5. Exposure to unknown or mixed chemicals.
 6. At the discretion of the Fire Chief, Incident Commander, or Haz Mat Officer.
 7. At the request of any personnel involved to have themselves interviewed and to have this interview become part of their personnel and department files.

HAZARDOUS MATERIAL CHEMICAL EXPOSURE FORMS

TO: Whom It May Concern
FROM: Hazardous Materials Officer
DATE:
SUBJECT: PERSONNEL EXPOSURE TO HAZARDOUS MATERIALS 20____

In an effort to begin to record employee exposure to hazardous chemicals, whose long term health affects are not completely understood, we have devised a simple reporting form. FOUR copies of this form will be produced and distributed in the following manner:

1. Employee copy (please retain your copy).
2. Personnel file (to be directed to Department Head).
3. HMRP file (as a data base).
4. HMO (for review).

Please remember to retain and review your copy for accuracy. If any inaccuracies are found, please report them immediately to the Hazardous Materials Officer, Rolling Meadows Fire Department. Some entries seem rather basic; however, in the future should there be a problem, these records may serve a useful purpose.

NAME:

EMPLOYEE #:

DEPARTMENT:

CHEMICAL EXPOSURE RECORD 20__

DATE:

ALARM #:

FORM UNITS TOTAL NOTES

Full Protection: (FP)
Acid/Proximity Suits

Protected (P)
Bunker Gear w/Airpack

Bunker Gear (B)
w/o Air Pack

Unprotected (U)

NOTE: One Unit 10 Minutes

TOTAL:

CARCINOGEN EXPOSURE:

RADIATION EXPOSURE:

SECTION NINE

RESOURCES

CHEMTREC 1-800-424-9300

INFORMATION NEEDED BY CHEMTREC

1. What has happened.
2. Where.
3. When.
4. Chemicals involved.
5. Type and condition of containers.
6. Shipper and shipping point.
7. Carrier.
8. Consignee and destination.
9. Nature and extent of injuries to people.
10. Nature and extent of property damage.
11. Prevailing weather.
12. Composition of surrounding area.
13. Who caller is and where he/she is located.
14. How and where telephone contact may be re-established with caller or another responsible party at the scene.

CALL CHEMTREC ONLY IF A TRUE EMERGENCY EXISTS.

RESOURCES

**	CHEMTREC (ACTUAL SPILL OR RELEASES ONLY)	1/800/424-9300 (24 HOURS)
	CHLOREP (CHLORINE RESPONSE TEAM)	USE CHEMTREC #
	PSTN (PESTICIDE SAFETY TEAM NETWORK)	USE CHEMTREC #
	PERT (PHOSPHOROUS EMER. RESP. TEAM)	USE CHEMTREC #
**	EPA RESPONSE TEAM. MAYWOOD, IL 8-5 PM AFTER 5 PM	345-9780 1/217/782-3637
**	EPA NATIONAL RESPONSE CENTER	1/800/424-8802
**	THE METROPOLITAN WATER RECLAMATION CENTER OF GREATER CHICAGO (MSD)	1/312/787-3535 (24 HOURS)
	JOHN TOMARAS, AREA SUPERVISOR	299-3922 (8-4 PM)
**	HERITAGE REMEDIATION ENGINEERING (PETROCHEM)	739-1150
**	C&NW RAILROAD DUVAL TOWER (24 HOURS) C&NW POLICE (24 HOURS) MGR. OF HAZMAT C&NW - ERNEST HALLEY (8-5 PM)	824-5830 1/312/559-6677 1/312/559-6675
**	POISON CONTROL CENTER CHICAGO NWCH	1/800/942-5969 259-8720
**	NATIONAL CENTER OF DISEASE CONTROL ATLANTA, GA OFFICE OF BIO-SAFETY	8-5 PM (EST) 1/404/329-3883 AFTER 5 PM (EST) 1/404/329-2888
**	BUREAU OF EXPLOSIVES	

SECTION NINE

	AMERICAN ASSOCIATION OF RAILROADS	1/202/835-9500
**	US COAST GUARD NATIONAL RESPONSE CTR.	1/800/424-8802
**	ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT)	1/217/785-3064
**	ROLLING MEADOWS POLICE DEPARTMENT VIA CENTRAL COMMUNICATIONS	255-2416 506-6011
**	MATERIAL SERVICES - TONY MISTRETТА	359-2546 (W) 526-6529 (H)
	JOHN MCGRATH	398-0276 (H)
	RON KAMMRATH	967-6940 (H)
	DAN SCHWIND	250-8354 (H)
**	ILLINOIS ESDA	1/800/782-7860
**	NI GAS	1/800/942-6100
**	SET ENVIRONMENT, INC WHEELING, IL	537-9221
	GREGORY THOMPSON (SPILL COORDINATOR)	215-3008 (24 HOURS)
**	ERNIE'S WRECKER SERVICE (24 HOUR TOWING)	634-3737
**	WILLIAM LESER (B.S. CHEMISTRY & ESDA VOLUNTEER)	397-0452 (H) 1/312/427-8046 (W)

**ONE PHONE CALL TO CHEMTREC OR ILLINOIS ESDA SHOULD BE SUFFICIENT.
THEY, IN RETURN, WILL NOTIFY ANY ADDITIONAL RESOURCES.**

EMERGENCY RESPONSE CONTRACTOR LISTING

THIS LIST INCLUDES THOSE CONTRACTORS FROM WHICH THE IEPA HAS RECEIVED INFORMATION AND DOES NOT PURPOSE TO BE AN ENDORSEMENT OF THEIR QUALIFICATIONS OR CAPABILITIES. WE SUGGEST THAT INTERESTED PARTIES DO THEIR OWN EVALUATION OF SUITABILITY BEFORE MAKING A SELECTION.

AMERICAN WASTE PROCESSING, LTD.
2006-2010 West Madison Street
Maywood, IL 60153

Area Served: Chicagoland
Frank Brown (days) 708/681-3999 (office)
Joe Strosnik (eve/wknd) 708/579-0235
Bill Vadek (eve/wknd) 708/985-5758

BEST CORPORATION
PO Box 516
Chanahan, IL 60410
Area served: Will, Grundy, Kane,
Kendall, SW DuPage

Bob or Dispatch 815/725-1554 (office)

CLEAN HARBORS ENVIR. SERV.
11800 S. Stoney Island
Chicago, IL 60617
Area Served: Chicagoland,
NW Indiana

Dispatch 708/868-0440

ETSC
1107 W. Lunt Avenue
Schaumburg, IL 60193
Area Served: Nationwide -
specializes in highly hazardous
& explosive chemicals

Irv Kraut or Dispatch 708/980-3872

SECTION NINE

GREAT LAKES ENVIRONMENTAL
5312 West 124th Street
Alsip, IL 60658
Area Served: Chicagoland

Dispatch

708/385-4747

HERITAGE, INC. PETROCHEM
337 Canal Bank Road, NE
Lemont, IL 60439
Area Served: Chicagoland

Dispatch

708/739-1150 (office)
708/739-1151 (after hours)

ICEP
3468 Watlin Road
East Chicago, IN 46312
Area Served: NW Indiana,
Chicagoland

Dispatch

219/397-5823

MAECORP
333 West 195th Street
Glenwood, IL 60425
Area Served: Chicagoland

Dispatch

800/875-5010

OHM CORP.
1334 Enterprise Drive
Romeoville, IL 60441
Area Served: Chicagoland, Will
County, SW DuPage, Kane, Kendall

Dispatch

800/537-9540
708/759-9493

PRECISION ENERGY SYSTEMS
1025 Morse Avenue

SECTION NINE

Schaumburg, IL 60193
Area Served: Chicagoland

Dispatch 708/916-1661

REACT
2209 Welsch Ind. Ct.
St. Louis, MO 63146

Dispatch 800/325-1398
314/569-0991

RIEDEL ENVIRON. SERVICES
65 East Palatine Road
Suite 301
Prospect Heights, IL 60070

Dispatch 800/334-0004
708-215-0300

SET ENVIRONMENTAL, INC.
350 Sumac Road
Wheeling, IL 60090
Area Served: Chicagoland

Dispatch 708/537-9221 (office)
708/520-2268 (after hours)

WESTINGHOUSE ENVIR. SERV.
1967 Quincy Court
Glendale Heights, IL 60139
Area Served: Chicagoland

Dispatch: 708/351-5220

CITY OF ROLLING MEADOWS CONSTRUCTION SITE INSPECTIONS - PERMIT YEAR 5

COMPLIANCE WITH NPDES PHASE II EROSION AND SEDIMENT CONTROL MEASURES

Project Name or Location	05/10/07	06/20/07	07/23/07	08/15/07	09/19/07	10/29/07	11/29/07	01/07/08	03/19/08	04/28/08	Project Compliance Permit Year 5
Field Dale 2 Subdivision	0	1	0	1	1	1	1	1	1	1	50%
Marinez Subdivision	0	0	0	1	1	1	1	1	1	1	70%
4180 East Frontage Rd.	0	1	1	1	1	1	1	1	1	1	50%
Wellington Development	1	1	1	1	1	1	1	1	1	1	100%
Meadow Club	0	0	0	0	0	0	0	0	0	0	0%
Newport Homes	0	0	0	0	0	0	0	1	1	0	20%
Bryant Grove Subdivision	0	0	0	1	0	0	0	0	1	0	20%
Fairfax Subdivision	0	0	0	1	1	1	1	1	1	1	70%
1980 Vermont Street	1	1	0	1	1	1	1	1	1	1	100%
4270 Kirchoff Road	1	1	0	0	0	0	1	1	1	1	90%
3321 Algonquin Road	0	0	0	0	0	0	1	1	1	1	44%
Fuji-Hunt Bldg. Addns.	0	0	0	0	0	0	0	0	1	1	17%
2660 Benton	0	0	1	0	0	0	0	0	0	0	33%
Sunset Park Regrading	0	1	1	1	1	1	1	1	1	1	50%
2500 Fremont	0	0	1	0	0	1	1	1	1	1	40%
3615 Kirchoff Road	0	0	1	0	1	0	0	1	1	0	50%
Flore Park	0	0	0	0	0	0	0	1	0	1	33%
5155 Sunset Drive	0	0	0	0	0	0	1	0	1	1	75%

of Inspections in Compliance 3 25%
 # of Inspections 12 100%
 % of Inspections in Compliance 25%

Average of Compliance - Permit Year 5 = 49%
 Average of Compliance - Permit Year 4 = 77%
 Average of Compliance - Permit Year 3 = 79%
 Average of Compliance - Permit Year 2 = 59%

Project Completed-Construction Site Stabilized
 0 = Construction Site Inspected: Not in Compliance
 1 = Construction Site Inspected: in Compliance

MEMORANDUM

July 30, 2009

TO: Valerie Dehner – Community Development
Jim Sylverne – Building and Zoning
Fred Vogt – Public Works
Larry Hoehler – Public Works
Reid Bateman – Public Works
Jason Souden – CBBEL
Mary Kay – CBBEL

THIS IS THE LAST
BATCH OF INSPECTIONS
WE MADE. WE
STOPPED REPORTING
BECAUSE a) OLD
PROJECTS WERE INACTIVE
AND b) NO NEW
PROJECTS

FROM:  Robert T. Jungwirth, PE, CFM

SUBJECT: NPDES Program Phase II
Soil Erosion and Sedimentation Control Observation Report

On July 29, 2009 site observations were made at various developments throughout the Community for compliance with erosion control in accordance with the NPDES Program Phase II. The following is a summary of the findings (individual observation reports are attached):

PROJECT NUMBER	PROJECT NAME	ACRES	COMMENTS	NPDES COMPLIANCE
98-361L36	Martinez Subdivision	1.0	Future Inspections on Hold	In compliance
98-361L82	Newport Homes	4.5	Future Inspections on Hold	In compliance
98-361L106	Paweleck Subdivision	1.1	Site Not Stabilized	Not in compliance
98-361L113	Bryant Grove Subdivision	1.3	Future Inspections on Hold	In compliance
98-361L115	Fairfax Subdivision	0.8	Future Inspections on Hold	In compliance
98-361L131	4270 Kirchoff Road	1.0	Future Inspections on Hold	In compliance
98-361L162	2991 Brockway Street	0.9	Silt Fence repairs still needed	Not in compliance

If you have any questions or comments please feel free to contact us.

RTJ/jmc
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CHRISTOPHER B. BURKE ENGINEERING, LTD.

9575 W Higgins Road, Suite 600 Rosemont, Illinois 60018-4920 Tel (847) 823-0500 Fax (847) 823-0520

Site Observations – Describe Location and Recommend Corrective Measures Below

No.	BMP/Activity	Implemented & Maintained
1	Are discharge points and receiving waters free of sediment deposits and other pollutants (from the construction site)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
2	Have BMPs specified in the SWPPP/SESC Plan been installed and maintained?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
3	Are additional BMPs necessary (e.g., silt fence, check dams, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
4	Is there evidence of sediment being tracked into the street and/or do streets need to be scraped/swept?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
5	Have stormwater management systems to control off-site runoff and site runoff been constructed, stabilized, and verified to be functioning appropriately? Are outlets protected/stabilized to the property line?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
6	Are Special Management Areas (e.g., creeks, wetlands, buffers, etc.) adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
7	Are temporary stream crossings of non-erodible material installed and/or is re-stabilization complete where applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
8	Have all idle, disturbed areas been stabilized within 14 days of cessation of construction activities in that area (or more restrictive time period per local ordinance requirement)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
9	Are erodible stockpiles (e.g., topsoil) properly located and adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
10	Are storm drain inlets adequately protected (including upslope)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
11	Is waste, including building materials and construction debris, collected and placed in approved receptacles?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
12	Are washout facilities (e.g., concrete washouts, etc.) available and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
13	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
14	Are portable toilets, material storage areas, and materials that are potential stormwater contaminants managed appropriately?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
15	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
16	(Other based on site conditions):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

No.(S)	Location and Recommended Corrective Measure	Completed/Initial*
8	Site/Civil improvements completed. All pervious areas should be stabilized.	<input type="checkbox"/>
2	A few sections of silt fence need repair.	<input checked="" type="checkbox"/> RTJ <i>RTJ</i>
2	Clean or replace all inlet filters	<input checked="" type="checkbox"/> RTJ <i>RTJ</i>
		<input type="checkbox"/>

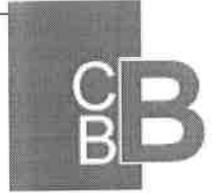
* Following completion of Corrective Measure, check box and initial

Certification statement: (To address NPDES Permit No. ILR10 requirements)

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print Name & Title: _____

Signature: *Robert T. Jungwirth* Date: 07/30/09



Stormwater Runoff Construction Site Observation Report

General Information			
Project Name	2991 Brockway Street	CBBEL Project No. 98-361L162	Size 0.9 Acres
Client	City of Rolling Meadows		
Project Location	Brockway, South of Old Plum Grove Road		
Date of Site Visit	July 29, 2009	NPDES Permit No. ILR N/A	
Observer's Name(s) & Title(s)	Bob Jungwirth, Larry Hoehler (RMPW)		
Check phase(s) of construction at time of visit	<input type="checkbox"/> Pre Construction <input type="checkbox"/> Land Development <input type="checkbox"/> Underground Construction <input type="checkbox"/> Roadway Construction <input checked="" type="checkbox"/> Vertical Construction <input type="checkbox"/> Post Construction <input type="checkbox"/> Other:		
Type of Site Visit:			
<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Post-storm event <input type="checkbox"/> Follow-up <input type="checkbox"/> Other: _____			
Weather Information			
Estimated end date of most recent 0.5" rain event (or equivalent snowfall): _____ / _____ / _____			
SWPPP/Soil Erosion and Sediment Control (SESC) Plan			
1. Is an NPDES Permit required for construction site activities? (e.g., Does the construction activity disturb \geq 1 acre?) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
2. If the answer to question (1) is "yes" ... <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
A) Is the SWPPP on site (or accessible with location posted)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
B) Is an indication of permit coverage posted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
3. Is the SWPPP/SESC Plan updated/amended as required by the NPDES Permit and/or local requirements? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
SWPPP/SESC Plan comments: Approved June 13, 2008			

Site Observations – Describe Location and Recommend Corrective Measures Below

No.	BMP/Activity	Implemented & Maintained
1	Are discharge points and receiving waters free of sediment deposits and other pollutants (from the construction site)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
2	Have BMPs specified in the SWPPP/SESC Plan been installed and maintained?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
3	Are additional BMPs necessary (e.g., silt fence, check dams, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
4	Is there evidence of sediment being tracked into the street and/or do streets need to be scraped/swept?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
5	Have stormwater management systems to control off-site runoff and site runoff been constructed, stabilized, and verified to be functioning appropriately? Are outlets protected/stabilized to the property line?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
6	Are Special Management Areas (e.g., creeks, wetlands, buffers, etc.) adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
7	Are temporary stream crossings of non-erodible material installed and/or is re-stabilization complete where applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
8	Have all idle, disturbed areas been stabilized within 14 days of cessation of construction activities in that area (or more restrictive time period per local ordinance requirement)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
9	Are erodible stockpiles (e.g., topsoil) properly located and adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
10	Are storm drain inlets adequately protected (including upslope)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
11	Is waste, including building materials and construction debris, collected and placed in approved receptacles?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
12	Are washout facilities (e.g., concrete washouts, etc.) available and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
13	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
14	Are portable toilets, material storage areas, and materials that are potential stormwater contaminants managed appropriately?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
15	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
16	(Other based on site conditions):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

No.(S)	Location and Recommended Corrective Measure	Completed/Initial*
2	Install front yard silt fence Deleted	<input checked="" type="checkbox"/> RTJ <i>RTJ</i>
2	Repair sections of silt fence that are down or were not trenched in-place.	<input type="checkbox"/>
2	Construct proper construction entrance. Deleted	<input checked="" type="checkbox"/> RTJ <i>RTJ</i>
11	Excessive construction debris	<input type="checkbox"/>
		<input type="checkbox"/>
		<input type="checkbox"/>
		<input type="checkbox"/>

* Following completion of Corrective Measure, check box and initial

Certification statement: (To address NPDES Permit No. ILR10 requirements)

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print name and title: Robert T. Jungwirth, PE, CFM

Signature: *Robert T. Jungwirth*

Date: 07/30/09

MEMORANDUM

FILE COPY

July 8, 2009

TO: Valerie Dehner – Community Development
Jim Sylverne – Building and Zoning
Fred Vogt – Public Works
Larry Hoehler – Public Works
Reid Bateman – Public Works
Jason Souden – CBBEL
Mary Kay – CBBEL

FROM: *RTJ* Robert T. Jungwirth, PE, CFM

SUBJECT: NPDES Program Phase II
Soil Erosion and Sedimentation Control Observation Report

On July 2, 2009 site observations were made at various developments throughout the Community for compliance with erosion control in accordance with the NPDES Program Phase II. The following is a summary of the findings (individual observation reports are attached):

PROJECT NUMBER	PROJECT NAME	ACRES	COMMENTS	NPDES COMPLIANCE
98-361L36	Martinez Subdivision	1.0	Future Inspections on Hold	In compliance
98-361L82	Newport Homes	4.5	Future Inspections on Hold	In compliance
98-361L106	Paweleck Subdivision	1.1	Various repairs Enhancements needed	Not in compliance
98-361L113	Bryant Grove Subdivision	1.3	Future Inspections on Hold	In compliance
98-361L115	Fairfax Subdivision	0.8	Future Inspections on Hold	In compliance
98-361L131	4270 Kirchoff Road	1.0	Future Inspections on Hold	In compliance
98-361L162	2991 Brockway Street	0.9	Silt Fence repairs still needed	Not in compliance
98-361L176	2121 Plum Grove Road	0.9	Final landscaping underway	In compliance

If you have any questions or comments please feel free to contact us.

RTJ/jmc
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CHRISTOPHER B. BURKE ENGINEERING, LTD.

9575 W Higgins Road, Suite 600 Rosemont, Illinois 60018-4920 Tel (847) 823-0500 Fax (847) 823-0520

Site Observations – Describe Location and Recommend Corrective Measures Below

No.	BMP/Activity	Implemented & Maintained
1	Are discharge points and receiving waters free of sediment deposits and other pollutants (from the construction site)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
2	Have BMPs specified in the SWPPP/SESC Plan been installed and maintained?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
3	Are additional BMPs necessary (e.g., silt fence, check dams, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
4	Is there evidence of sediment being tracked into the street and/or do streets need to be scraped/swept?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
5	Have stormwater management systems to control off-site runoff and site runoff been constructed, stabilized, and verified to be functioning appropriately? Are outlets protected/stabilized to the property line?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
6	Are Special Management Areas (e.g., creeks, wetlands, buffers, etc.) adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
7	Are temporary stream crossings of non-erodible material installed and/or is re-stabilization complete where applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
8	Have all idle, disturbed areas been stabilized within 14 days of cessation of construction activities in that area (or more restrictive time period per local ordinance requirement)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
9	Are erodible stockpiles (e.g., topsoil) properly located and adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
10	Are storm drain inlets adequately protected (including upslope)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
11	Is waste, including building materials and construction debris, collected and placed in approved receptacles?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
12	Are washout facilities (e.g., concrete washouts, etc.) available and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
13	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
14	Are portable toilets, material storage areas, and materials that are potential stormwater contaminants managed appropriately?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
15	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
16	(Other based on site conditions):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

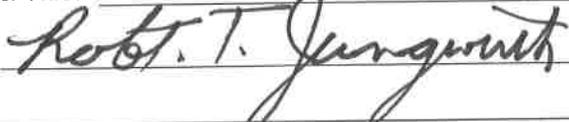
No.(S)	Location and Recommended Corrective Measure	Completed/Initial*
8	Site/Civil improvements completed. All pervious areas should be stabilized.	<input type="checkbox"/>
2	A few sections of silt fence need repair.	<input type="checkbox"/>
2	Clean or replace all inlet filters	<input type="checkbox"/>
		<input type="checkbox"/>

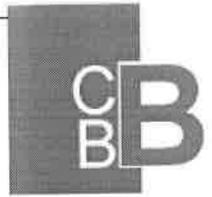
* Following completion of Corrective Measure, check box and initial

Certification statement: (To address NPDES Permit No. ILR10 requirements)

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print Name & Title: Robert T. Jungwirth, PE, CFM - Senior Civil Engineer

Signature:  Date: 07/07/09



Stormwater Runoff Construction Site Observation Report

General Information			
Project Name	2991 Brockway Street	CBBEL Project No. 98-361L162	Size 0.9 Acres
Client	City of Rolling Meadows		
Project Location	Brockway, South of Old Plum Grove Road		
Date of Site Visit	July 2, 2009	NPDES Permit No. ILR N/A	
Observer's Name(s) & Title(s)	Bob Jungwirth		
Check phase(s) of construction at time of visit	<input type="checkbox"/> Pre Construction <input type="checkbox"/> Land Development <input type="checkbox"/> Underground Construction <input type="checkbox"/> Roadway Construction <input checked="" type="checkbox"/> Vertical Construction <input type="checkbox"/> Post Construction <input type="checkbox"/> Other:		
Type of Site Visit:			
<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Post-storm event <input type="checkbox"/> Follow-up <input type="checkbox"/> Other: _____			
Weather Information			
Estimated end date of most recent 0.5" rain event (or equivalent snowfall): _____/_____/_____			
SWPPP/Soil Erosion and Sediment Control (SESC) Plan			
1. Is an NPDES Permit required for construction site activities? (e.g., Does the construction activity disturb \geq 1 acre?) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
2. If the answer to question (1) is "yes" ... <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
A) Is the SWPPP on site (or accessible with location posted)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
B) Is an indication of permit coverage posted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
3. Is the SWPPP/SESC Plan updated/amended as required by the NPDES Permit and/or local requirements? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
SWPPP/SESC Plan comments: Approved June 13, 2008			

Site Observations – Describe Location and Recommend Corrective Measures Below

No.	BMP/Activity	Implemented & Maintained
1	Are discharge points and receiving waters free of sediment deposits and other pollutants (from the construction site)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
2	Have BMPs specified in the SWPPP/SESC Plan been installed and maintained?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
3	Are additional BMPs necessary (e.g., silt fence, check dams, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
4	Is there evidence of sediment being tracked into the street and/or do streets need to be scraped/swept?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
5	Have stormwater management systems to control off-site runoff and site runoff been constructed, stabilized, and verified to be functioning appropriately? Are outlets protected/stabilized to the property line?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
6	Are Special Management Areas (e.g., creeks, wetlands, buffers, etc.) adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
7	Are temporary stream crossings of non-erodible material installed and/or is re-stabilization complete where applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
8	Have all idle, disturbed areas been stabilized within 14 days of cessation of construction activities in that area (or more restrictive time period per local ordinance requirement)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
9	Are erodible stockpiles (e.g., topsoil) properly located and adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
10	Are storm drain inlets adequately protected (including upslope)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
11	Is waste, including building materials and construction debris, collected and placed in approved receptacles?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
12	Are washout facilities (e.g., concrete washouts, etc.) available and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
13	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
14	Are portable toilets, material storage areas, and materials that are potential stormwater contaminants managed appropriately?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
15	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
16	(Other based on site conditions):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

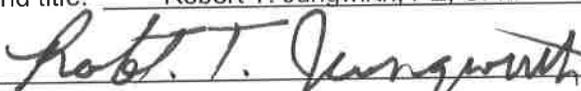
No.(S)	Location and Recommended Corrective Measure	Completed/Initial*
2	Install front yard silt fence	<input type="checkbox"/>
2	Repair sections of silt fence that are down or were not trenched in-place.	<input type="checkbox"/>
2	Construct proper construction entrance.	<input type="checkbox"/>
11	Excessive construction debris	<input type="checkbox"/>
		<input type="checkbox"/>
		<input type="checkbox"/>
		<input type="checkbox"/>

* Following completion of Corrective Measure, check box and initial

Certification statement: (To address NPDES Permit No. ILR10 requirements)

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print name and title: Robert T. Jungwirth, PE, CFM

Signature: 

Date: 07/07/09



Stormwater Runoff Construction Site Observation Report

General Information			
Project Name	Red Apple Pancake House	CBBEL Project No. 98-361L176	Size 0.9 Acres
Client	City of Rolling Meadows		
Project Location	2121 Plum Grove Road		
Date of Site Visit	July 2, 2009	NPDES Permit No. ILR N/A	
Observer's Name(s) & Title(s)	Bob Jungwirth		
Check phase(s) of construction at time of visit	<input type="checkbox"/> Pre Construction <input type="checkbox"/> Land Development <input type="checkbox"/> Underground Construction <input type="checkbox"/> Roadway Construction <input type="checkbox"/> Vertical Construction <input type="checkbox"/> Post Construction <input checked="" type="checkbox"/> Other: Redevelopment		
Type of Site Visit:			
<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Post-storm event <input type="checkbox"/> Follow-up <input type="checkbox"/> Other: _____			
Weather Information			
Estimated end date of most recent 0.5" rain event (or equivalent snowfall): _____/_____/_____			
SWPPP/Soil Erosion and Sediment Control (SESC) Plan			
1. Is an NPDES Permit required for construction site activities? (e.g., Does the construction activity disturb \geq 1 acre?) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A 			
2. If the answer to question (1) is "yes" ... <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A 			
A) Is the SWPPP on site (or accessible with location posted)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A 			
B) Is an indication of permit coverage posted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A 			
3. Is the SWPPP/SESC Plan updated/amended as required by the NPDES Permit and/or local requirements? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A 			
SWPPP/SESC Plan comments: February 24, 2009			

Site Observations – Describe Location and Recommend Corrective Measures Below

No.	BMP/Activity	Implemented & Maintained
1	Are discharge points and receiving waters free of sediment deposits and other pollutants (from the construction site)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
2	Have BMPs specified in the SWPPP/SESC Plan been installed and maintained?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
3	Are additional BMPs necessary (e.g., silt fence, check dams, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
4	Is there evidence of sediment being tracked into the street and/or do streets need to be scraped/swept?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
5	Have stormwater management systems to control off-site runoff and site runoff been constructed, stabilized, and verified to be functioning appropriately? Are outlets protected/stabilized to the property line?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
6	Are Special Management Areas (e.g., creeks, wetlands, buffers, etc.) adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
7	Are temporary stream crossings of non-erodible material installed and/or is re-stabilization complete where applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
8	Have all idle, disturbed areas been stabilized within 14 days of cessation of construction activities in that area (or more restrictive time period per local ordinance requirement)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
9	Are erodible stockpiles (e.g., topsoil) properly located and adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
10	Are storm drain inlets adequately protected (including upslope)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
11	Is waste, including building materials and construction debris, collected and placed in approved receptacles?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
12	Are washout facilities (e.g., concrete washouts, etc.) available and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
13	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
14	Are portable toilets, material storage areas, and materials that are potential stormwater contaminants managed appropriately?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
15	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
16	(Other based on site conditions):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

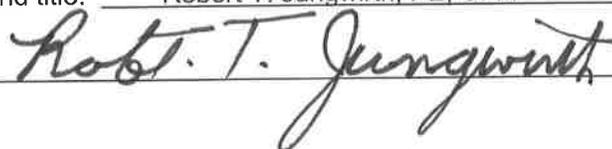
No.(S)	Location and Recommended Corrective Measure	Completed/Initial*
		<input type="checkbox"/>

* Following completion of Corrective Measure, check box and initial

Certification statement: (To address NPDES Permit No. ILR10 requirements)

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print name and title: Robert T. Jungwirth, PE, CFM

Signature: 

Date: 07/07/09

MEMORANDUM

May 22, 2009

TO: Valerie Dehner – Community Development
Jim Sylverne – Building and Zoning
Fred Vogt – Public Works
Bill Suchecki – Public Works
Reid Bateman – Public Works
Jason Souden – CBBEL
Mary Kay – CBBEL

FILE COPY

FROM:  Robert T. Jungwirth, PE, CFM

SUBJECT: NPDES Program Phase II
Soil Erosion and Sedimentation Control Observation Report

On May 22, 2009 site observations were made at various developments throughout the Community for compliance with erosion control in accordance with the NPDES Program Phase II. The following is a summary of the findings (individual observation reports are attached):

PROJECT NUMBER	PROJECT NAME	ACRES	COMMENTS	NPDES COMPLIANCE
98-361L36	Martinez Subdivision	1.0	Future Inspections on Hold	In compliance
98-361L82	Newport Homes	4.5	Future Inspections on Hold	In compliance
98-361L106	Paweleck Subdivision	1.1	Various repairs Enhancements needed	Not in compliance
98-361L113	Bryant Grove Subdivision	1.3	Future Inspections on Hold	In compliance
98-361L115	Fairfax Subdivision	0.8	Future Inspections on Hold	In compliance
98-361L131	4270 Kirchoff Road	1.0	Future Inspections on Hold	In compliance
98-361L132	3321 Algonquin Road	0.9	Final inspection	In compliance
98-361L162	2991 Brockway Street	0.9	Silt Fence repairs still needed	Not in compliance
98-361L176	2121 Plum Grove Road	0.9	Final landscaping underway	In compliance

If you have any questions or comments please feel free to contact us.

RTJ/jmc
N:\ROLMDWS\NPDESProgramPhaseIIM1.052209.doc



CHRISTOPHER B. BURKE ENGINEERING, LTD.

9575 W Higgins Road, Suite 600 Rosemont, Illinois 60018-4920 Tel (847) 823-0500 Fax (847) 823-0520



Stormwater Runoff Construction Site Observation Report

General Information			
Project Name	Martinez Subdivision	CBBEL Project No. 98-361L36	Size 1.0 Acres
Client	City of Rolling Meadows		
Project Location	Vermont & Wilmette		
Date of Site Visit	November 29, 2007	NPDES Permit No. ILR 108482	
Observer's Name(s) & Title(s)	Bob Jungwirth, John Gaddini (RMPW)		
Check phase(s) of construction at time of visit	<input type="checkbox"/> Pre Construction <input type="checkbox"/> Land Development <input type="checkbox"/> Underground Construction <input type="checkbox"/> Roadway Construction <input checked="" type="checkbox"/> Vertical Construction <input type="checkbox"/> Post Construction <input type="checkbox"/> Other: _____		
Type of Site Visit:			
<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Post-storm event <input type="checkbox"/> Follow-up <input type="checkbox"/> Other: _____			
Weather Information			
Estimated end date of most recent 0.5" rain event (or equivalent snowfall): _____/_____/_____			
SWPPP/Soil Erosion and Sediment Control (SESC) Plan			
1. Is an NPDES Permit required for construction site activities? (e.g., Does the construction activity disturb \geq 1 acre?) <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
2. If the answer to question (1) is "yes"...			
A) Is the SWPPP on site (or accessible with location posted)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
B) Is an indication of permit coverage posted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
3. Is the SWPPP/SESC Plan updated/amended as required by the NPDES Permit and/or local requirements? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
SWPPP/SESC Plan comments: Redeveloped portion of property has been restored. Inspections will resume when construction begins on one of the remaining lots. (11-29-07 RTJ)			

Site Observations – Describe Location and Recommend Corrective Measures Below

No.	BMP/Activity	Implemented & Maintained
1	Are discharge points and receiving waters free of sediment deposits and other pollutants (from the construction site)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
2	Have BMPs specified in the SWPPP/SESC Plan been installed and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
3	Are additional BMPs necessary (e.g., silt fence, check dams, etc.)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
4	Is there evidence of sediment being tracked into the street and/or do streets need to be scraped/swept?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
5	Have stormwater management systems to control off-site runoff and site runoff been constructed, stabilized, and verified to be functioning appropriately? Are outlets protected/stabilized to the property line?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
6	Are Special Management Areas (e.g., creeks, wetlands, buffers, etc.) adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
7	Are temporary stream crossings of non-erodible material installed and/or is re-stabilization complete where applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
8	Have all idle, disturbed areas been stabilized within 14 days of cessation of construction activities in that area (or more restrictive time period per local ordinance requirement)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
9	Are erodible stockpiles (e.g., topsoil) properly located and adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
10	Are storm drain inlets adequately protected (including upslope)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
11	Is waste, including building materials and construction debris, collected and placed in approved receptacles?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
12	Are washout facilities (e.g., concrete washouts, etc.) available and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
13	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
14	Are portable toilets, material storage areas, and materials that are potential stormwater contaminants managed appropriately?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
15	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
16	(Other based on site conditions):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A

No.(S)	Location and Recommended Corrective Measure	Completed/Initial*
		<input type="checkbox"/>

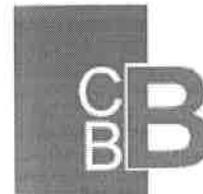
* Following completion of Corrective Measure, check box and Initial

Certification statement: *(To address NPDES Permit No. ILR10 requirements)*

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print name and title: Robert T. Jungwirth, PE, CFM

Signature: _____ Date: 11/29/07



Stormwater Runoff Construction Site Observation Report

General Information			
Project Name	Newport Homes	CBBEL Project No. 98-361L82	Size 4.5 Acres
Client	City of Rolling Meadows		
Project Location	Burr Oak Court		
Date of Site Visit	October 24, 2008	NPDES Permit No. ILR 10B962	
Observer's Name(s) & Title(s)	Bob Jungwirth		
Check phase(s) of construction at time of visit	<input type="checkbox"/> Pre Construction <input type="checkbox"/> Land Development <input type="checkbox"/> Underground Construction <input type="checkbox"/> Roadway Construction <input checked="" type="checkbox"/> Vertical Construction <input type="checkbox"/> Post Construction <input type="checkbox"/> Other:		
Type of Site Visit:			
<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Post-storm event <input type="checkbox"/> Follow-up <input type="checkbox"/> Other: _____			
Weather Information			
Estimated end date of most recent 0.5" rain event (or equivalent snowfall): _____/_____/_____			
SWPPP/Soil Erosion and Sediment Control (SESC) Plan			
1. Is an NPDES Permit required for construction site activities? (e.g., Does the construction activity disturb \geq 1 acre?) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
2. If the answer to question (1) is "yes"...			
A) Is the SWPPP on site (or accessible with location posted)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
B) Is an indication of permit coverage posted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
3. Is the SWPPP/SESC Plan updated/amended as required by the NPDES Permit and/or local requirements? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
SWPPP/SESC Plan comments: <u>Approved March 2, 2005.</u>			

Site Observations – Describe Location and Recommend Corrective Measures Below

No.	BMP/Activity	Implemented & Maintained
1	Are discharge points and receiving waters free of sediment deposits and other pollutants (from the construction site)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
2	Have BMPs specified in the SWPPP/SESC Plan been installed and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
3	Are additional BMPs necessary (e.g., silt fence, check dams, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
4	Is there evidence of sediment being tracked into the street and/or do streets need to be scraped/swept?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
5	Have stormwater management systems to control off-site runoff and site runoff been constructed, stabilized, and verified to be functioning appropriately? Are outlets protected/stabilized to the property line?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
6	Are Special Management Areas (e.g., creeks, wetlands, buffers, etc.) adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
7	Are temporary stream crossings of non-erodible material installed and/or is re-stabilization complete where applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
8	Have all idle, disturbed areas been stabilized within 14 days of cessation of construction activities in that area (or more restrictive time period per local ordinance requirement)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
9	Are erodible stockpiles (e.g., topsoil) properly located and adequately protected?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
10	Are storm drain inlets adequately protected (including upslope)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
11	Is waste, including building materials and construction debris, collected and placed in approved receptacles?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
12	Are washout facilities (e.g., concrete washouts, etc.) available and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
13	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
14	Are portable toilets, material storage areas, and materials that are potential stormwater contaminants managed appropriately?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
15	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
16	(Other based on site conditions):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A

No.(S)	Location and Recommended Corrective Measure	Completed/Initial*
8	Stabilize lots not actively worked.	<input checked="" type="checkbox"/> RTJ
9	Stabilize stockpiles.	<input checked="" type="checkbox"/> RTJ
	Future inspections on hold pending development of remaining lots.	<input type="checkbox"/>
		<input type="checkbox"/>

* Following completion of Corrective Measure, check box and initial

Certification statement: (To address NPDES Permit No. ILR10 requirements)

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Print name and title: Robert T. Jungwirth, PE, CFM

Signature: _____ Date: 10/27/08

Site Observations – Describe Location and Recommend Corrective Measures Below

No.	BMP/Activity	Implemented & Maintained
1	Are discharge points and receiving waters free of sediment deposits and other pollutants (from the construction site)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
2	Have BMPs specified in the SWPPP/SESC Plan been installed and maintained?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
3	Are additional BMPs necessary (e.g., silt fence, check dams, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
4	Is there evidence of sediment being tracked into the street and/or do streets need to be scraped/swept?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
5	Have stormwater management systems to control off-site runoff and site runoff been constructed, stabilized, and verified to be functioning appropriately? Are outlets protected/stabilized to the property line?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
6	Are Special Management Areas (e.g., creeks, wetlands, buffers, etc.) adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
7	Are temporary stream crossings of non-erodible material installed and/or is re-stabilization complete where applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
8	Have all idle, disturbed areas been stabilized within 14 days of cessation of construction activities in that area (or more restrictive time period per local ordinance requirement)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
9	Are erodible stockpiles (e.g., topsoil) properly located and adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
10	Are storm drain inlets adequately protected (including upslope)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
11	Is waste, including building materials and construction debris, collected and placed in approved receptacles?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
12	Are washout facilities (e.g., concrete washouts, etc.) available and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
13	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
14	Are portable toilets, material storage areas, and materials that are potential stormwater contaminants managed appropriately?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
15	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
16	(Other based on site conditions):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

No.(S)	Location and Recommended Corrective Measure	Completed/Initial*
8	Site/Civil improvements completed. All pervious areas should be stabilized.	<input type="checkbox"/>
2	A few sections of silt fence need repair.	<input type="checkbox"/>
2	Clean or replace all inlet filters	<input type="checkbox"/>
		<input type="checkbox"/>

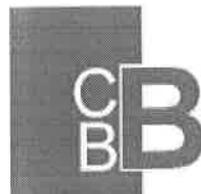
* Following completion of Corrective Measure, check box and initial

Certification statement: (To address NPDES Permit No. ILR10 requirements)

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print Name & Title: _____

Signature: Robert T. Jungwirth Date: 05/22/09



Stormwater Runoff Construction Site Observation Report

General Information											
Project Name	Bryant Grove Subdivision	CBBEL Project No. 98-361L113	Size 1.3 Acres								
Client	City of Rolling Meadows										
Project Location	Bryant & Plum Grove Road										
Date of Site Visit	August 28, 2008	NPDES Permit No. ILR 10D863									
Observer's Name(s) & Title(s)	Bob Jungwirth, Michael Dean (RMPW)										
Check phase(s) of construction at time of visit	<table style="width: 100%; border: none;"> <tr> <td><input type="checkbox"/> Pre Construction</td> <td><input type="checkbox"/> Land Development</td> </tr> <tr> <td><input type="checkbox"/> Underground Construction</td> <td><input type="checkbox"/> Roadway Construction</td> </tr> <tr> <td><input checked="" type="checkbox"/> Vertical Construction</td> <td><input type="checkbox"/> Post Construction</td> </tr> <tr> <td><input type="checkbox"/> Other:</td> <td></td> </tr> </table>			<input type="checkbox"/> Pre Construction	<input type="checkbox"/> Land Development	<input type="checkbox"/> Underground Construction	<input type="checkbox"/> Roadway Construction	<input checked="" type="checkbox"/> Vertical Construction	<input type="checkbox"/> Post Construction	<input type="checkbox"/> Other:	
<input type="checkbox"/> Pre Construction	<input type="checkbox"/> Land Development										
<input type="checkbox"/> Underground Construction	<input type="checkbox"/> Roadway Construction										
<input checked="" type="checkbox"/> Vertical Construction	<input type="checkbox"/> Post Construction										
<input type="checkbox"/> Other:											
Type of Site Visit:											
<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Post-storm event <input type="checkbox"/> Follow-up <input type="checkbox"/> Other: _____											
Weather Information											
Estimated end date of most recent 0.5" rain event (or equivalent snowfall): _____ / ____ / ____											
SWPPP/Soil Erosion and Sediment Control (SESC) Plan											
<p>1. Is an NPDES Permit required for construction site activities? (e.g., Does the construction activity disturb \geq 1 acre?) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A</p> <p>2. If the answer to question (1) is "yes"...</p> <p style="margin-left: 20px;">A) Is the SWPPP on site (or accessible with location posted)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A</p> <p style="margin-left: 20px;">B) Is an indication of permit coverage posted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A</p> <p>3. Is the SWPPP/SESC Plan updated/amended as required by the NPDES Permit and/or local requirements? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A</p>											
SWPPP/SESC Plan comments: Approved October 11, 2005.											
All lots stabilized. Future inspections on hold until development begins on final lot.											

Site Observations – Describe Location and Recommend Corrective Measures Below

No.	BMP/Activity	Implemented & Maintained
1	Are discharge points and receiving waters free of sediment deposits and other pollutants (from the construction site)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
2	Have BMPs specified in the SWPPP/SESC Plan been installed and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
3	Are additional BMPs necessary (e.g., silt fence, check dams, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
4	Is there evidence of sediment being tracked into the street and/or do streets need to be scraped/swept?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
5	Have stormwater management systems to control off-site runoff and site runoff been constructed, stabilized, and verified to be functioning appropriately? Are outlets protected/stabilized to the property line?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
6	Are Special Management Areas (e.g., creeks, wetlands, buffers, etc.) adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
7	Are temporary stream crossings of non-erodible material installed and/or is re-stabilization complete where applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
8	Have all idle, disturbed areas been stabilized within 14 days of cessation of construction activities in that area (or more restrictive time period per local ordinance requirement)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
9	Are erodible stockpiles (e.g., topsoil) properly located and adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
10	Are storm drain inlets adequately protected (including upslope)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
11	Is waste, including building materials and construction debris, collected and placed in approved receptacles?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
12	Are washout facilities (e.g., concrete washouts, etc.) available and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
13	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
14	Are portable toilets, material storage areas, and materials that are potential stormwater contaminants managed appropriately?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
15	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
16	(Other based on site conditions):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

No.(S)	Location and Recommended Corrective Measure	Completed/Initial*
		<input type="checkbox"/>

* Following completion of Corrective Measure, check box and initial

Certification statement: *(To address NPDES Permit No. ILR10 requirements)*

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print name and title: Robert T. Jungwirth, PE, CFM

Signature: _____ Date: 08/29/08



Stormwater Runoff Construction Site Observation Report

General Information			
Project Name	Fairfax Subdivision	CBBEL Project No. 98-361L115	Size 0.8 Acres
Client	City of Rolling Meadows		
Project Location	Fairfax & Plum Grove Road		
Date of Site Visit	November 21, 2007	NPDES Permit No. ILR N/A	
Observer's Name(s) & Title(s)	Bob Jungwirth, Bill Suhecki (RMPW)		
Check phase(s) of construction at time of visit	<input type="checkbox"/> Pre Construction <input type="checkbox"/> Land Development <input type="checkbox"/> Underground Construction <input type="checkbox"/> Roadway Construction <input type="checkbox"/> Vertical Construction <input checked="" type="checkbox"/> Post Construction <input type="checkbox"/> Other: _____		
Type of Site Visit:			
<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Post-storm event <input type="checkbox"/> Follow-up <input type="checkbox"/> Other: _____			
Weather Information			
Estimated end date of most recent 0.5" rain event (or equivalent snowfall): _____/_____/_____			
SWPPP/Soil Erosion and Sediment Control (SESC) Plan			
1. Is an NPDES Permit required for construction site activities? (e.g., Does the construction activity disturb \geq 1 acre?) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
2. If the answer to question (1) is "yes"... <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
A) Is the SWPPP on site (or accessible with location posted)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
B) Is an indication of permit coverage posted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
3. Is the SWPPP/SESC Plan updated/amended as required by the NPDES Permit and/or local requirements? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
SWPPP/SESC Plan comments:	Approved October 20, 2005.		
Site is stable. Inspections will resume upon restoration of Plum Grove Road by Highway Contractor.			
(10-29-07 RTJ)			

Site Observations – Describe Location and Recommend Corrective Measures Below

No.	BMP/Activity	Implemented & Maintained
1	Are discharge points and receiving waters free of sediment deposits and other pollutants (from the construction site)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
2	Have BMPs specified in the SWPPP/SESC Plan been installed and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
3	Are additional BMPs necessary (e.g., silt fence, check dams, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
4	Is there evidence of sediment being tracked into the street and/or do streets need to be scraped/swept?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
5	Have stormwater management systems to control off-site runoff and site runoff been constructed, stabilized, and verified to be functioning appropriately? Are outlets protected/stabilized to the property line?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
6	Are Special Management Areas (e.g., creeks, wetlands, buffers, etc.) adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
7	Are temporary stream crossings of non-erodible material installed and/or is re-stabilization complete where applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
8	Have all idle, disturbed areas been stabilized within 14 days of cessation of construction activities in that area (or more restrictive time period per local ordinance requirement)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
9	Are erodible stockpiles (e.g., topsoil) properly located and adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
10	Are storm drain inlets adequately protected (including upslope)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
11	Is waste, including building materials and construction debris, collected and placed in approved receptacles?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
12	Are washout facilities (e.g., concrete washouts, etc.) available and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
13	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
14	Are portable toilets, material storage areas, and materials that are potential stormwater contaminants managed appropriately?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
15	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
16	(Other based on site conditions):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

No.(S)	Location and Recommended Corrective Measure	Completed/Initial*
		<input type="checkbox"/>

* Following completion of Corrective Measure, check box and initial

Certification statement: *(To address NPDES Permit No. ILR10 requirements)*

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print name and title: Robert T. Jungwirth, PE, CFM

Signature: _____ Date: 10/29/07



Stormwater Runoff Construction Site Observation Report

General Information				
Project Name	4270 Kirchoff	CBBEL Project No. 98-361L131	Size 1.0 Acres	
Client	City of Rolling Meadows			
Project Location				
Date of Site Visit	October 29, 2007	NPDES Permit No. ILR N/A		
Observer's Name(s) & Title(s)	Bob Jungwirth, John Gaddini (RMPW)			
Check phase(s) of construction at time of visit	<input type="checkbox"/> Pre Construction	<input checked="" type="checkbox"/> Land Development		
	<input type="checkbox"/> Underground Construction	<input type="checkbox"/> Roadway Construction		
	<input type="checkbox"/> Vertical Construction	<input type="checkbox"/> Post Construction		
	<input type="checkbox"/> Other:			
Type of Site Visit:				
<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Post-storm event <input type="checkbox"/> Follow-up <input type="checkbox"/> Other: _____				
Weather Information				
Estimated end date of most recent 0.5" rain event (or equivalent snowfall): _____/_____/_____				
SWPPP/Soil Erosion and Sediment Control (SESC) Plan				
1. Is an NPDES Permit required for construction site activities? (e.g., Does the construction activity disturb \geq 1 acre?)		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
2. If the answer to question (1) is "yes"...				
A) Is the SWPPP on site (or accessible with location posted)?		<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
B) Is an indication of permit coverage posted?		<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
3. Is the SWPPP/SESC Plan updated/amended as required by the NPDES Permit and/or local requirements?		<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
SWPPP/SESC Plan comments: <u>Approved August 2, 2006.</u>				
Site is stable. Inspections will resume when construction of a home begins. (10-29-07 RTJ)				

Site Observations – Describe Location and Recommend Corrective Measures Below

No.	BMP/Activity	Implemented & Maintained
1	Are discharge points and receiving waters free of sediment deposits and other pollutants (from the construction site)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
2	Have BMPs specified in the SWPPP/SESC Plan been installed and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
3	Are additional BMPs necessary (e.g., silt fence, check dams, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
4	Is there evidence of sediment being tracked into the street and/or do streets need to be scraped/swept?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
5	Have stormwater management systems to control off-site runoff and site runoff been constructed, stabilized, and verified to be functioning appropriately? Are outlets protected/stabilized to the property line?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
6	Are Special Management Areas (e.g., creeks, wetlands, buffers, etc.) adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
7	Are temporary stream crossings of non-erodible material installed and/or is re-stabilization complete where applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
8	Have all idle, disturbed areas been stabilized within 14 days of cessation of construction activities in that area (or more restrictive time period per local ordinance requirement)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
9	Are erodible stockpiles (e.g., topsoil) properly located and adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
10	Are storm drain inlets adequately protected (including upslope)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
11	Is waste, including building materials and construction debris, collected and placed in approved receptacles?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
12	Are washout facilities (e.g., concrete washouts, etc.) available and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
13	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
14	Are portable toilets, material storage areas, and materials that are potential stormwater contaminants managed appropriately?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
15	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
16	(Other based on site conditions):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

No.(S)	Location and Recommended Corrective Measure	Completed/Initial*
		<input type="checkbox"/>

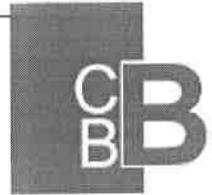
* Following completion of Corrective Measure, check box and initial

Certification statement: *(To address NPDES Permit No. ILR10 requirements)*

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print name and title: Robert T. Jungwirth, PE, CFM

Signature: _____ Date: 10/29/07



Stormwater Runoff Construction Site Observation Report

General Information			
Project Name	3321 Algonquin Road	CBBEL Project No. 98-361L132	Size 0.9 Acres
Client	City of Rolling Meadows		
Project Location	Tollview Drive and Algonquin Road		
Date of Site Visit	May 22, 2009	NPDES Permit No. ILR N/A	
Observer's Name(s) & Title(s)	Bob Jungwirth		
Check phase(s) of construction at time of visit	<input checked="" type="checkbox"/> Pre Construction <input type="checkbox"/> Land Development <input type="checkbox"/> Underground Construction <input type="checkbox"/> Roadway Construction <input type="checkbox"/> Vertical Construction <input type="checkbox"/> Post Construction <input type="checkbox"/> Other:		
Type of Site Visit:			
<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Post-storm event <input type="checkbox"/> Follow-up <input type="checkbox"/> Other: _____			
Weather Information			
Estimated end date of most recent 0.5" rain event (or equivalent snowfall): _____/_____/_____			
SWPPP/Soil Erosion and Sediment Control (SESC) Plan			
1. Is an NPDES Permit required for construction site activities? (e.g., Does the construction activity disturb \geq 1 acre?) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
2. If the answer to question (1) is "yes"...			
A) Is the SWPPP on site (or accessible with location posted)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
B) Is an indication of permit coverage posted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
3. Is the SWPPP/SESC Plan updated/amended as required by the NPDES Permit and/or local requirements? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
SWPPP/SESC Plan comments: <u>Approved February 16, 2007</u>			

Site Observations – Describe Location and Recommend Corrective Measures Below

No.	BMP/Activity	Implemented & Maintained
1	Are discharge points and receiving waters free of sediment deposits and other pollutants (from the construction site)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
2	Have BMPs specified in the SWPPP/SESC Plan been installed and maintained?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
3	Are additional BMPs necessary (e.g., silt fence, check dams, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
4	Is there evidence of sediment being tracked into the street and/or do streets need to be scraped/swept?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
5	Have stormwater management systems to control off-site runoff and site runoff been constructed, stabilized, and verified to be functioning appropriately? Are outlets protected/stabilized to the property line?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
6	Are Special Management Areas (e.g., creeks, wetlands, buffers, etc.) adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
7	Are temporary stream crossings of non-erodible material installed and/or is re-stabilization complete where applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
8	Have all idle, disturbed areas been stabilized within 14 days of cessation of construction activities in that area (or more restrictive time period per local ordinance requirement)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
9	Are erodible stockpiles (e.g., topsoil) properly located and adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
10	Are storm drain inlets adequately protected (including upslope)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
11	Is waste, including building materials and construction debris, collected and placed in approved receptacles?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
12	Are washout facilities (e.g., concrete washouts, etc.) available and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
13	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
14	Are portable toilets, material storage areas, and materials that are potential stormwater contaminants managed appropriately?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
15	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
16	(Other based on site conditions):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

No.(S)	Location and Recommended Corrective Measure	Completed/Initial*
	Landscaping being completed. Project will not appear in future reports.	<input type="checkbox"/>
		<input type="checkbox"/>

* Following completion of Corrective Measure, check box and initial

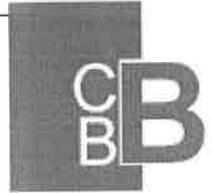
Certification statement: (To address NPDES Permit No. ILR10 requirements)

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print name and title: Robert T. Jungwirth, PE, CFM

Signature: 

Date: 05/22/09



Stormwater Runoff Construction Site Observation Report

General Information			
Project Name	2991 Brockway Street	CBBEL Project No. 98-361L162	Size 0.9 Acres
Client	City of Rolling Meadows		
Project Location	Brockway, South of Old Plum Grove Road		
Date of Site Visit	May 22, 2009	NPDES Permit No. ILR N/A	
Observer's Name(s) & Title(s)	Bob Jungwirth		
Check phase(s) of construction at time of visit	<input type="checkbox"/> Pre Construction <input type="checkbox"/> Land Development <input type="checkbox"/> Underground Construction <input type="checkbox"/> Roadway Construction <input checked="" type="checkbox"/> Vertical Construction <input type="checkbox"/> Post Construction <input type="checkbox"/> Other:		
Type of Site Visit:			
<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Post-storm event <input type="checkbox"/> Follow-up <input type="checkbox"/> Other: _____			
Weather Information			
Estimated end date of most recent 0.5" rain event (or equivalent snowfall): _____ / _____ / _____			
SWPPP/Soil Erosion and Sediment Control (SESC) Plan			
1. Is an NPDES Permit required for construction site activities? (e.g., Does the construction activity disturb \geq 1 acre?) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
2. If the answer to question (1) is "yes" ... <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
A) Is the SWPPP on site (or accessible with location posted)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
B) Is an indication of permit coverage posted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
3. Is the SWPPP/SESC Plan updated/amended as required by the NPDES Permit and/or local requirements? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
SWPPP/SESC Plan comments: Approved June 13, 2008			

Site Observations – Describe Location and Recommend Corrective Measures Below

No.	BMP/Activity	Implemented & Maintained
1	Are discharge points and receiving waters free of sediment deposits and other pollutants (from the construction site)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
2	Have BMPs specified in the SWPPP/SESC Plan been installed and maintained?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
3	Are additional BMPs necessary (e.g., silt fence, check dams, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
4	Is there evidence of sediment being tracked into the street and/or do streets need to be scraped/swept?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
5	Have stormwater management systems to control off-site runoff and site runoff been constructed, stabilized, and verified to be functioning appropriately? Are outlets protected/stabilized to the property line?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
6	Are Special Management Areas (e.g., creeks, wetlands, buffers, etc.) adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
7	Are temporary stream crossings of non-erodible material installed and/or is re-stabilization complete where applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
8	Have all idle, disturbed areas been stabilized within 14 days of cessation of construction activities in that area (or more restrictive time period per local ordinance requirement)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
9	Are erodible stockpiles (e.g., topsoil) properly located and adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
10	Are storm drain inlets adequately protected (including upslope)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
11	Is waste, including building materials and construction debris, collected and placed in approved receptacles?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
12	Are washout facilities (e.g., concrete washouts, etc.) available and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
13	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
14	Are portable toilets, material storage areas, and materials that are potential stormwater contaminants managed appropriately?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
15	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
16	(Other based on site conditions):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

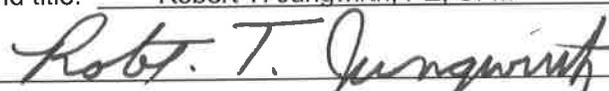
No.(S)	Location and Recommended Corrective Measure	Completed/Initial*
2	Install front yard silt fence	<input type="checkbox"/>
2	Repair sections of silt fence that are down or were not trenched in-place.	<input type="checkbox"/>
2	Construct proper construction entrance.	<input type="checkbox"/>
11	Excessive construction debris	<input type="checkbox"/>
		<input type="checkbox"/>
		<input type="checkbox"/>
		<input type="checkbox"/>

* Following completion of Corrective Measure, check box and initial

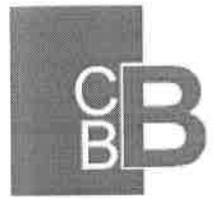
Certification statement: (To address NPDES Permit No. ILR10 requirements)

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print name and title: Robert T. Jungwirth, PE, CFM

Signature: 

Date: 05/22/09



Stormwater Runoff Construction Site Observation Report

General Information			
Project Name	Red Apple Pancake House	CBBEL Project No. 98-361L176	Size 0.9 Acres
Client	City of Rolling Meadows		
Project Location	2121 Plum Grove Road		
Date of Site Visit	May 22, 2009	NPDES Permit No. ILR N/A	
Observer's Name(s) & Title(s)	Bob Jungwirth		
Check phase(s) of construction at time of visit	<input type="checkbox"/> Pre Construction <input type="checkbox"/> Land Development <input type="checkbox"/> Underground Construction <input type="checkbox"/> Roadway Construction <input type="checkbox"/> Vertical Construction <input type="checkbox"/> Post Construction <input checked="" type="checkbox"/> Other: Redevelopment		
Type of Site Visit:			
<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Post-storm event <input type="checkbox"/> Follow-up <input type="checkbox"/> Other: _____			
Weather Information			
Estimated end date of most recent 0.5" rain event (or equivalent snowfall): _____ / ____ / ____			
SWPPP/Soil Erosion and Sediment Control (SESC) Plan			
1. Is an NPDES Permit required for construction site activities? (e.g., Does the construction activity disturb \geq 1 acre?) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
2. If the answer to question (1) is "yes"... <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
A) Is the SWPPP on site (or accessible with location posted)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
B) Is an indication of permit coverage posted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
3. Is the SWPPP/SESC Plan updated/amended as required by the NPDES Permit and/or local requirements? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
SWPPP/SESC Plan comments: February 24, 2009			

Site Observations – Describe Location and Recommend Corrective Measures Below

No.	BMP/Activity	Implemented & Maintained
1	Are discharge points and receiving waters free of sediment deposits and other pollutants (from the construction site)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
2	Have BMPs specified in the SWPPP/SESC Plan been installed and maintained?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
3	Are additional BMPs necessary (e.g., silt fence, check dams, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
4	Is there evidence of sediment being tracked into the street and/or do streets need to be scraped/swept?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
5	Have stormwater management systems to control off-site runoff and site runoff been constructed, stabilized, and verified to be functioning appropriately? Are outlets protected/stabilized to the property line?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
6	Are Special Management Areas (e.g., creeks, wetlands, buffers, etc.) adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
7	Are temporary stream crossings of non-erodible material installed and/or is re-stabilization complete where applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
8	Have all idle, disturbed areas been stabilized within 14 days of cessation of construction activities in that area (or more restrictive time period per local ordinance requirement)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
9	Are erodible stockpiles (e.g., topsoil) properly located and adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
10	Are storm drain inlets adequately protected (including upslope)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
11	Is waste, including building materials and construction debris, collected and placed in approved receptacles?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
12	Are washout facilities (e.g., concrete washouts, etc.) available and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
13	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
14	Are portable toilets, material storage areas, and materials that are potential stormwater contaminants managed appropriately?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
15	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
16	(Other based on site conditions):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

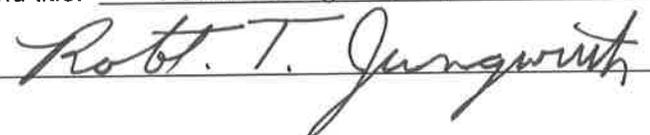
No.(S)	Location and Recommended Corrective Measure	Completed/Initial*
		<input type="checkbox"/>

* Following completion of Corrective Measure, check box and initial

Certification statement: (To address NPDES Permit No. ILR10 requirements)

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print name and title: Robert T. Jungwirth, PE, CFM

Signature: 

Date: 05/22/09

MEMORANDUM

April 28, 2009

TO: Valerie Dehner – Community Development
Jim Sylverne – Building and Zoning
Fred Vogt – Public Works
Bill Suchecki – Public Works
Reid Bateman – Public Works
Jason Souden – CBBEL
Mary Kay – CBBEL

FILE COPY

FROM: *RTJ* Robert T. Jungwirth, PE, CFM

SUBJECT: NPDES Program Phase II
Soil Erosion and Sedimentation Control Observation Report

On April 27, 2009 site observations were made at various developments throughout the Community for compliance with erosion control in accordance with the NPDES Program Phase II. The following is a summary of the findings (individual observation reports are attached):

PROJECT NUMBER	PROJECT NAME	ACRES	COMMENTS	NPDES COMPLIANCE
98-361L36	Martinez Subdivision	1.0	Future Inspections on Hold	In compliance
98-361L82	Newport Homes	4.5	Future Inspections on Hold	In compliance
98-361L106	Paweleck Subdivision	1.1	Various repairs Enhancements needed	Not in compliance
98-361L113	Bryant Grove Subdivision	1.3	Future Inspections on Hold	In compliance
98-361L115	Fairfax Subdivision	0.8	Future Inspections on Hold	In compliance
98-361L131	4270 Kirchoff Road	1.0	Future Inspections on Hold	In compliance
98-361L132	3321 Algonquin Road	0.9	No comments	In compliance
98-361L162	2991 Brockway Street	0.9	Silt Fence repairs still needed	Not in compliance
98-361L176	2121 Plum Grove Road	0.9	Install Silt Fence	Not in compliance

If you have any questions or comments please feel free to contact us.

RTJ/mc/gs
N:\ROLMDWS\NPDESProgramPhaseIIM1.042809.doc



CHRISTOPHER B. BURKE ENGINEERING, LTD.

9575 W Higgins Road, Suite 600 Rosemont, Illinois 60018-4920 Tel (847) 823-0500 Fax (847) 823-0520



Stormwater Runoff Construction Site Observation Report

General Information			
Project Name	Martinez Subdivision	CBBEL Project No. 98-361L36	Size 1.0 Acres
Client	City of Rolling Meadows		
Project Location	Vermont & Wilmette		
Date of Site Visit	November 29, 2007	NPDES Permit No. ILR 108482	
Observer's Name(s) & Title(s)	Bob Jungwirth, John Gaddini (RMPW)		
Check phase(s) of construction at time of visit	<input type="checkbox"/> Pre Construction <input type="checkbox"/> Land Development <input type="checkbox"/> Underground Construction <input type="checkbox"/> Roadway Construction <input checked="" type="checkbox"/> Vertical Construction <input type="checkbox"/> Post Construction <input type="checkbox"/> Other:		
Type of Site Visit:			
<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Post-storm event <input type="checkbox"/> Follow-up <input type="checkbox"/> Other: _____			
Weather Information			
Estimated end date of most recent 0.5" rain event (or equivalent snowfall): _____ / _____ / _____			
SWPPP/Soil Erosion and Sediment Control (SESC) Plan			
1. Is an NPDES Permit required for construction site activities? (e.g., Does the construction activity disturb \geq 1 acre?) <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
2. If the answer to question (1) is "yes" ...			
A) Is the SWPPP on site (or accessible with location posted)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
B) Is an indication of permit coverage posted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
3. Is the SWPPP/SESC Plan updated/amended as required by the NPDES Permit and/or local requirements? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
SWPPP/SESC Plan comments: Redeveloped portion of property has been restored. Inspections will resume when construction begins on one of the remaining lots. (11-29-07 RTJ)			

Site Observations – Describe Location and Recommend Corrective Measures Below

No.	BMP/Activity	Implemented & Maintained
1	Are discharge points and receiving waters free of sediment deposits and other pollutants (from the construction site)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
2	Have BMPs specified in the SWPPP/SESC Plan been installed and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
3	Are additional BMPs necessary (e.g., silt fence, check dams, etc.)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
4	Is there evidence of sediment being tracked into the street and/or do streets need to be scraped/swept?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
5	Have stormwater management systems to control off-site runoff and site runoff been constructed, stabilized, and verified to be functioning appropriately? Are outlets protected/stabilized to the property line?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
6	Are Special Management Areas (e.g., creeks, wetlands, buffers, etc.) adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
7	Are temporary stream crossings of non-erodible material installed and/or is re-stabilization complete where applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
8	Have all idle, disturbed areas been stabilized within 14 days of cessation of construction activities in that area (or more restrictive time period per local ordinance requirement)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
9	Are erodible stockpiles (e.g., topsoil) properly located and adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
10	Are storm drain inlets adequately protected (including upslope)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
11	Is waste, including building materials and construction debris, collected and placed in approved receptacles?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
12	Are washout facilities (e.g., concrete washouts, etc.) available and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
13	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
14	Are portable toilets, material storage areas, and materials that are potential stormwater contaminants managed appropriately?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
15	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
16	(Other based on site conditions):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A

No.(S)	Location and Recommended Corrective Measure	Completed/Initial*
		<input type="checkbox"/>

* Following completion of Corrective Measure, check box and initial

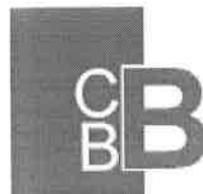
Certification statement: *(To address NPDES Permit No. ILR10 requirements)*

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print name and title: Robert T. Jungwirth, PE, CFM

Signature: _____

Date: 11/29/07



Stormwater Runoff Construction Site Observation Report

General Information							
Project Name	Newport Homes	CBBEL Project No. 98-361L82	Size 4.5 Acres				
Client	City of Rolling Meadows						
Project Location	Burr Oak Court						
Date of Site Visit	October 24, 2008	NPDES Permit No. ILR 10B962					
Observer's Name(s) & Title(s)	Bob Jungwirth						
Check phase(s) of construction at time of visit	<input type="checkbox"/> Pre Construction <input type="checkbox"/> Land Development <input type="checkbox"/> Underground Construction <input type="checkbox"/> Roadway Construction <input checked="" type="checkbox"/> Vertical Construction <input type="checkbox"/> Post Construction <input type="checkbox"/> Other:						
Type of Site Visit:							
<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Post-storm event <input type="checkbox"/> Follow-up <input type="checkbox"/> Other: _____							
Weather Information							
Estimated end date of most recent 0.5" rain event (or equivalent snowfall): _____/_____/_____							
SWPPP/Soil Erosion and Sediment Control (SESC) Plan							
1. Is an NPDES Permit required for construction site activities? (e.g., Does the construction activity disturb \geq 1 acre?) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A							
2. If the answer to question (1) is "yes"... <table style="width: 100%; border: none;"> <tr> <td style="width: 60%;">A) Is the SWPPP on site (or accessible with location posted)?</td> <td style="text-align: right;"><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A</td> </tr> <tr> <td>B) Is an indication of permit coverage posted?</td> <td style="text-align: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A</td> </tr> </table>				A) Is the SWPPP on site (or accessible with location posted)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	B) Is an indication of permit coverage posted?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
A) Is the SWPPP on site (or accessible with location posted)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A						
B) Is an indication of permit coverage posted?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A						
3. Is the SWPPP/SESC Plan updated/amended as required by the NPDES Permit and/or local requirements? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A							
SWPPP/SESC Plan comments: <u>Approved March 2, 2005.</u>							

Site Observations – Describe Location and Recommend Corrective Measures Below

No.	BMP/Activity	Implemented & Maintained
1	Are discharge points and receiving waters free of sediment deposits and other pollutants (from the construction site)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
2	Have BMPs specified in the SWPPP/SESC Plan been installed and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
3	Are additional BMPs necessary (e.g., silt fence, check dams, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
4	Is there evidence of sediment being tracked into the street and/or do streets need to be scraped/swept?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
5	Have stormwater management systems to control off-site runoff and site runoff been constructed, stabilized, and verified to be functioning appropriately? Are outlets protected/stabilized to the property line?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
6	Are Special Management Areas (e.g., creeks, wetlands, buffers, etc.) adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
7	Are temporary stream crossings of non-erodible material installed and/or is re-stabilization complete where applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
8	Have all idle, disturbed areas been stabilized within 14 days of cessation of construction activities in that area (or more restrictive time period per local ordinance requirement)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
9	Are erodible stockpiles (e.g., topsoil) properly located and adequately protected?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
10	Are storm drain inlets adequately protected (including upslope)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
11	Is waste, including building materials and construction debris, collected and placed in approved receptacles?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
12	Are washout facilities (e.g., concrete washouts, etc.) available and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
13	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
14	Are portable toilets, material storage areas, and materials that are potential stormwater contaminants managed appropriately?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
15	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
16	(Other based on site conditions):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A

No.(S)	Location and Recommended Corrective Measure	Completed/Initial*
8	Stabilize lots not actively worked.	<input checked="" type="checkbox"/> RTJ
9	Stabilize stockpiles.	<input checked="" type="checkbox"/> RTJ
	Future inspections on hold pending development of remaining lots.	<input type="checkbox"/>
		<input type="checkbox"/>

* Following completion of Corrective Measure, check box and initial

Certification statement: *(To address NPDES Permit No. ILR10 requirements)*

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print name and title: Robert T. Jungwirth, PE, CFM

Signature: _____ Date: 10/27/08



Stormwater Runoff Construction Site Observation Report

General Information			
Project Name	Paweleck Subdivision	CBBEL Project No. 98-361L106	Approx. Acreage 1.1 Acres
Client	City of Rolling Meadows		
Project Location	West Frontage Road, South of Jody Court		
Date of Site Visit	April 27, 2009	NPDES Permit No. ILR N/A	
Observer's Name(s) & Title(s)	Bob Jungwirth, Larry Hoehler (RMPW)		
Check phase(s) of construction at time of visit	<input type="checkbox"/> Pre Construction <input type="checkbox"/> Land Development <input checked="" type="checkbox"/> Underground Construction <input checked="" type="checkbox"/> Roadway Construction <input type="checkbox"/> Vertical Construction <input type="checkbox"/> Post Construction <input type="checkbox"/> Other:		
Type of Site Visit: <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Post-storm event <input type="checkbox"/> Follow-up <input type="checkbox"/> Other: _____			
Weather Information			
Estimated end date of most recent 0.5" rain event (or equivalent snowfall): / /			
SWPPP/Soil Erosion and Sediment Control (SESC) Plan			
1. Is an NPDES Permit required for construction site activities? (e.g., Does the construction activity disturb \geq 1 acre?)		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
2. If the answer to question (1) is "yes"...			
A) Is the SWPPP on site (or accessible with location posted)?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Is an indication of permit coverage posted?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
3. Is the SWPPP/SESC Plan updated/amended as required by the NPDES Permit and/or local requirements?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
SWPPP/SESC Plan Comments: <u>Approved June 13, 2008</u>			

Site Observations – Describe Location and Recommend Corrective Measures Below

No.	BMP/Activity	Implemented & Maintained
1	Are discharge points and receiving waters free of sediment deposits and other pollutants (from the construction site)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
2	Have BMPs specified in the SWPPP/SESC Plan been installed and maintained?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
3	Are additional BMPs necessary (e.g., silt fence, check dams, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
4	Is there evidence of sediment being tracked into the street and/or do streets need to be scraped/swept?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
5	Have stormwater management systems to control off-site runoff and site runoff been constructed, stabilized, and verified to be functioning appropriately? Are outlets protected/stabilized to the property line?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
6	Are Special Management Areas (e.g., creeks, wetlands, buffers, etc.) adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
7	Are temporary stream crossings of non-erodible material installed and/or is re-stabilization complete where applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
8	Have all idle, disturbed areas been stabilized within 14 days of cessation of construction activities in that area (or more restrictive time period per local ordinance requirement)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
9	Are erodible stockpiles (e.g., topsoil) properly located and adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
10	Are storm drain inlets adequately protected (including upslope)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
11	Is waste, including building materials and construction debris, collected and placed in approved receptacles?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
12	Are washout facilities (e.g., concrete washouts, etc.) available and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
13	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
14	Are portable toilets, material storage areas, and materials that are potential stormwater contaminants managed appropriately?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
15	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
16	(Other based on site conditions):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

No.(S)	Location and Recommended Corrective Measure	Completed/Initial*
8	Site/Civil improvements completed. All pervious areas should be stabilized.	<input type="checkbox"/>
2	A few sections of silt fence need repair.	<input type="checkbox"/>
2	Clean or replace all inlet filters	<input type="checkbox"/>
		<input type="checkbox"/>

* Following completion of Corrective Measure, check box and initial

Certification statement: (To address NPDES Permit No. ILR10 requirements)

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print Name & Title: _____

Signature: Robert T. Jungwirth Date: 04/28/09



Stormwater Runoff Construction Site Observation Report

General Information			
Project Name	Bryant Grove Subdivision	CBBEL Project No. 98-361L113	Size 1.3 Acres
Client	City of Rolling Meadows		
Project Location	Bryant & Plum Grove Road		
Date of Site Visit	August 28, 2008	NPDES Permit No. ILR 10D863	
Observer's Name(s) & Title(s)	Bob Jungwirth, Michael Dean (RMPW)		
Check phase(s) of construction at time of visit	<input type="checkbox"/> Pre Construction <input type="checkbox"/> Underground Construction <input checked="" type="checkbox"/> Vertical Construction <input type="checkbox"/> Other:	<input type="checkbox"/> Land Development <input type="checkbox"/> Roadway Construction <input type="checkbox"/> Post Construction	
Type of Site Visit:			
<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Post-storm event <input type="checkbox"/> Follow-up <input type="checkbox"/> Other: _____			
Weather Information			
Estimated end date of most recent 0.5" rain event (or equivalent snowfall): _____/_____/_____			
SWPPP/Soil Erosion and Sediment Control (SESC) Plan			
1. Is an NPDES Permit required for construction site activities? (e.g., Does the construction activity disturb \geq 1 acre?) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
2. If the answer to question (1) is "yes"...			
A) Is the SWPPP on site (or accessible with location posted)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
B) Is an indication of permit coverage posted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
3. Is the SWPPP/SESC Plan updated/amended as required by the NPDES Permit and/or local requirements? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
SWPPP/SESC Plan comments: Approved October 11, 2005.			
All lots stabilized. Future inspections on hold until development begins on final lot.			

Site Observations – Describe Location and Recommend Corrective Measures Below

No.	BMP/Activity	Implemented & Maintained
1	Are discharge points and receiving waters free of sediment deposits and other pollutants (from the construction site)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
2	Have BMPs specified in the SWPPP/SESC Plan been installed and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
3	Are additional BMPs necessary (e.g., silt fence, check dams, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
4	Is there evidence of sediment being tracked into the street and/or do streets need to be scraped/swept?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
5	Have stormwater management systems to control off-site runoff and site runoff been constructed, stabilized, and verified to be functioning appropriately? Are outlets protected/stabilized to the property line?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
6	Are Special Management Areas (e.g., creeks, wetlands, buffers, etc.) adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
7	Are temporary stream crossings of non-erodible material installed and/or is re-stabilization complete where applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
8	Have all idle, disturbed areas been stabilized within 14 days of cessation of construction activities in that area (or more restrictive time period per local ordinance requirement)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
9	Are erodible stockpiles (e.g., topsoil) properly located and adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
10	Are storm drain inlets adequately protected (including upslope)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
11	Is waste, including building materials and construction debris, collected and placed in approved receptacles?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
12	Are washout facilities (e.g., concrete washouts, etc.) available and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
13	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
14	Are portable toilets, material storage areas, and materials that are potential stormwater contaminants managed appropriately?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
15	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
16	(Other based on site conditions):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

No.(S)	Location and Recommended Corrective Measure	Completed/Initial*
		<input type="checkbox"/>

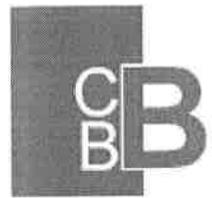
* Following completion of Corrective Measure, check box and initial

Certification statement: *(To address NPDES Permit No. ILR10 requirements)*

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print name and title: Robert T. Jungwirth, PE, CFM

Signature: _____ Date: 08/29/08



Stormwater Runoff Construction Site Observation Report

General Information			
Project Name	Fairfax Subdivision	CBBEL Project No. 98-361L115	Size 0.8 Acres
Client	City of Rolling Meadows		
Project Location	Fairfax & Plum Grove Road		
Date of Site Visit	November 21, 2007	NPDES Permit No. ILR N/A	
Observer's Name(s) & Title(s)	Bob Jungwirth, Bill Suchecki (RMPW)		
Check phase(s) of construction at time of visit	<input type="checkbox"/> Pre Construction <input type="checkbox"/> Land Development <input type="checkbox"/> Underground Construction <input type="checkbox"/> Roadway Construction <input type="checkbox"/> Vertical Construction <input checked="" type="checkbox"/> Post Construction <input type="checkbox"/> Other: _____		
Type of Site Visit:			
<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Post-storm event <input type="checkbox"/> Follow-up <input type="checkbox"/> Other: _____			
Weather Information			
Estimated end date of most recent 0.5" rain event (or equivalent snowfall): _____/_____/_____			
SWPPP/Soil Erosion and Sediment Control (SESC) Plan			
1. Is an NPDES Permit required for construction site activities? (e.g., Does the construction activity disturb \geq 1 acre?) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
2. If the answer to question (1) is "yes"... A) Is the SWPPP on site (or accessible with location posted)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A B) Is an indication of permit coverage posted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
3. Is the SWPPP/SESC Plan updated/amended as required by the NPDES Permit and/or local requirements? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
SWPPP/SESC Plan comments:			
Approved October 20, 2005.			
Site is stable. Inspections will resume upon restoration of Plum Grove Road by Highway Contractor. (10-29-07 RTJ)			

Site Observations – Describe Location and Recommend Corrective Measures Below

No.	BMP/Activity	Implemented & Maintained
1	Are discharge points and receiving waters free of sediment deposits and other pollutants (from the construction site)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
2	Have BMPs specified in the SWPPP/SESC Plan been installed and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
3	Are additional BMPs necessary (e.g., silt fence, check dams, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
4	Is there evidence of sediment being tracked into the street and/or do streets need to be scraped/swept?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
5	Have stormwater management systems to control off-site runoff and site runoff been constructed, stabilized, and verified to be functioning appropriately? Are outlets protected/stabilized to the property line?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
6	Are Special Management Areas (e.g., creeks, wetlands, buffers, etc.) adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
7	Are temporary stream crossings of non-erodible material installed and/or is re-stabilization complete where applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
8	Have all idle, disturbed areas been stabilized within 14 days of cessation of construction activities in that area (or more restrictive time period per local ordinance requirement)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
9	Are erodible stockpiles (e.g., topsoil) properly located and adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
10	Are storm drain inlets adequately protected (including upslope)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
11	Is waste, including building materials and construction debris, collected and placed in approved receptacles?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
12	Are washout facilities (e.g., concrete washouts, etc.) available and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
13	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
14	Are portable toilets, material storage areas, and materials that are potential stormwater contaminants managed appropriately?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
15	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
16	(Other based on site conditions):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

No.(S)	Location and Recommended Corrective Measure	Completed/Initial*
		<input type="checkbox"/>

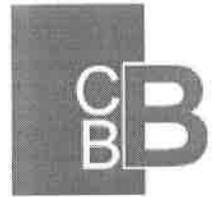
* Following completion of Corrective Measure, check box and initial

Certification statement: (To address NPDES Permit No. ILR10 requirements)

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print name and title: Robert T. Jungwirth, PE, CFM

Signature: _____ Date: 10/29/07



Stormwater Runoff Construction Site Observation Report

General Information			
Project Name	4270 Kirchoff	CBBEL Project No. 98-361L131	Size 1.0 Acres
Client	City of Rolling Meadows		
Project Location			
Date of Site Visit	October 29, 2007	NPDES Permit No. ILR N/A	
Observer's Name(s) & Title(s)	Bob Jungwirth, John Gaddini (RMPW)		
Check phase(s) of construction at time of visit	<input type="checkbox"/> Pre Construction <input checked="" type="checkbox"/> Land Development <input type="checkbox"/> Underground Construction <input type="checkbox"/> Roadway Construction <input type="checkbox"/> Vertical Construction <input type="checkbox"/> Post Construction <input type="checkbox"/> Other:		
Type of Site Visit:			
<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Post-storm event <input type="checkbox"/> Follow-up <input type="checkbox"/> Other: _____			
Weather Information			
Estimated end date of most recent 0.5" rain event (or equivalent snowfall): _____ / _____ / _____			
SWPPP/Soil Erosion and Sediment Control (SESC) Plan			
1. Is an NPDES Permit required for construction site activities? (e.g., Does the construction activity disturb \geq 1 acre?) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
2. If the answer to question (1) is "yes"... <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
A) Is the SWPPP on site (or accessible with location posted)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
B) Is an indication of permit coverage posted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
3. Is the SWPPP/SESC Plan updated/amended as required by the NPDES Permit and/or local requirements? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
SWPPP/SESC Plan comments: Approved August 2, 2006.			
Site is stable. Inspections will resume when construction of a home begins. (10-29-07 RTJ)			

Site Observations – Describe Location and Recommend Corrective Measures Below

No.	BMP/Activity	Implemented & Maintained
1	Are discharge points and receiving waters free of sediment deposits and other pollutants (from the construction site)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
2	Have BMPs specified in the SWPPP/SESC Plan been installed and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
3	Are additional BMPs necessary (e.g., silt fence, check dams, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
4	Is there evidence of sediment being tracked into the street and/or do streets need to be scraped/swept?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
5	Have stormwater management systems to control off-site runoff and site runoff been constructed, stabilized, and verified to be functioning appropriately? Are outlets protected/stabilized to the property line?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
6	Are Special Management Areas (e.g., creeks, wetlands, buffers, etc.) adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
7	Are temporary stream crossings of non-erodible material installed and/or is re-stabilization complete where applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
8	Have all idle, disturbed areas been stabilized within 14 days of cessation of construction activities in that area (or more restrictive time period per local ordinance requirement)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
9	Are erodible stockpiles (e.g., topsoil) properly located and adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
10	Are storm drain inlets adequately protected (including upslope)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
11	Is waste, including building materials and construction debris, collected and placed in approved receptacles?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
12	Are washout facilities (e.g., concrete washouts, etc.) available and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
13	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
14	Are portable toilets, material storage areas, and materials that are potential stormwater contaminants managed appropriately?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
15	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
16	(Other based on site conditions):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

No.(S)	Location and Recommended Corrective Measure	Completed/Initial*
		<input type="checkbox"/>

* Following completion of Corrective Measure, check box and initial

Certification statement: *(To address NPDES Permit No. ILR10 requirements)*

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print name and title: Robert T. Jungwirth, PE, CFM

Signature: _____ Date: 10/29/07



Stormwater Runoff Construction Site Observation Report

General Information			
Project Name	3321 Algonquin Road	CBBEL Project No. 98-361L132	Size 0.9 Acres
Client	City of Rolling Meadows		
Project Location	Tollview Drive and Algonquin Road		
Date of Site Visit	April 27, 2009	NPDES Permit No. ILR N/A	
Observer's Name(s) & Title(s)	Bob Jungwirth, Larry Hoehler (RMPW)		
Check phase(s) of construction at time of visit	<input checked="" type="checkbox"/> Pre Construction <input type="checkbox"/> Land Development <input type="checkbox"/> Underground Construction <input type="checkbox"/> Roadway Construction <input type="checkbox"/> Vertical Construction <input type="checkbox"/> Post Construction <input type="checkbox"/> Other:		
Type of Site Visit:			
<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Post-storm event <input type="checkbox"/> Follow-up <input type="checkbox"/> Other: _____			
Weather Information			
Estimated end date of most recent 0.5" rain event (or equivalent snowfall): _____ / _____ / _____			
SWPPP/Soil Erosion and Sediment Control (SESC) Plan			
1. Is an NPDES Permit required for construction site activities? (e.g., Does the construction activity disturb \geq 1 acre?) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
2. If the answer to question (1) is "yes"...			
A) Is the SWPPP on site (or accessible with location posted)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
B) Is an indication of permit coverage posted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
3. Is the SWPPP/SESC Plan updated/amended as required by the NPDES Permit and/or local requirements? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
SWPPP/SESC Plan comments: <u>Approved February 16, 2007</u>			

Site Observations – Describe Location and Recommend Corrective Measures Below

No.	BMP/Activity	Implemented & Maintained
1	Are discharge points and receiving waters free of sediment deposits and other pollutants (from the construction site)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
2	Have BMPs specified in the SWPPP/SESC Plan been installed and maintained?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
3	Are additional BMPs necessary (e.g., silt fence, check dams, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
4	Is there evidence of sediment being tracked into the street and/or do streets need to be scraped/swept?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
5	Have stormwater management systems to control off-site runoff and site runoff been constructed, stabilized, and verified to be functioning appropriately? Are outlets protected/stabilized to the property line?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
6	Are Special Management Areas (e.g., creeks, wetlands, buffers, etc.) adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
7	Are temporary stream crossings of non-erodible material installed and/or is re-stabilization complete where applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
8	Have all idle, disturbed areas been stabilized within 14 days of cessation of construction activities in that area (or more restrictive time period per local ordinance requirement)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
9	Are erodible stockpiles (e.g., topsoil) properly located and adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
10	Are storm drain inlets adequately protected (including upslope)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
11	Is waste, including building materials and construction debris, collected and placed in approved receptacles?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
12	Are washout facilities (e.g., concrete washouts, etc.) available and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
13	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
14	Are portable toilets, material storage areas, and materials that are potential stormwater contaminants managed appropriately?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
15	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
16	(Other based on site conditions):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

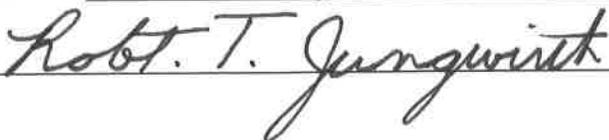
No.(S)	Location and Recommended Corrective Measure	Completed/Initial*
		<input type="checkbox"/>

* Following completion of Corrective Measure, check box and initial

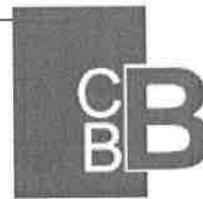
Certification statement: (To address NPDES Permit No. ILR10 requirements)

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print name and title: Robert T. Jungwirth, PE, CFM

Signature: 

Date: 04/28/09



Stormwater Runoff Construction Site Observation Report

General Information			
Project Name	2991 Brockway Street	CBBEL Project No. 98-361L162	Size 0.9 Acres
Client	City of Rolling Meadows		
Project Location	Brockway, South of Old Plum Grove Road		
Date of Site Visit	April 27, 2009	NPDES Permit No. ILR N/A	
Observer's Name(s) & Title(s)	Bob Jungwirth, Larry Hoehler (RMPW)		
Check phase(s) of construction at time of visit	<input type="checkbox"/> Pre Construction <input type="checkbox"/> Land Development <input type="checkbox"/> Underground Construction <input type="checkbox"/> Roadway Construction <input checked="" type="checkbox"/> Vertical Construction <input type="checkbox"/> Post Construction <input type="checkbox"/> Other: _____		
Type of Site Visit:			
<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Post-storm event <input type="checkbox"/> Follow-up <input type="checkbox"/> Other: _____			
Weather Information			
Estimated end date of most recent 0.5" rain event (or equivalent snowfall): _____/_____/_____			
SWPPP/Soil Erosion and Sediment Control (SESC) Plan			
1. Is an NPDES Permit required for construction site activities? (e.g., Does the construction activity disturb \geq 1 acre?) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
2. If the answer to question (1) is "yes"...			
A) Is the SWPPP on site (or accessible with location posted)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
B) Is an indication of permit coverage posted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
3. Is the SWPPP/SESC Plan updated/amended as required by the NPDES Permit and/or local requirements? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
SWPPP/SESC Plan comments: <u>Approved June 13, 2008</u>			

Site Observations – Describe Location and Recommend Corrective Measures Below

No.	BMP/Activity	Implemented & Maintained
1	Are discharge points and receiving waters free of sediment deposits and other pollutants (from the construction site)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
2	Have BMPs specified in the SWPPP/SESC Plan been installed and maintained?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
3	Are additional BMPs necessary (e.g., silt fence, check dams, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
4	Is there evidence of sediment being tracked into the street and/or do streets need to be scraped/swept?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
5	Have stormwater management systems to control off-site runoff and site runoff been constructed, stabilized, and verified to be functioning appropriately? Are outlets protected/stabilized to the property line?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
6	Are Special Management Areas (e.g., creeks, wetlands, buffers, etc.) adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
7	Are temporary stream crossings of non-erodible material installed and/or is re-stabilization complete where applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
8	Have all idle, disturbed areas been stabilized within 14 days of cessation of construction activities in that area (or more restrictive time period per local ordinance requirement)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
9	Are erodible stockpiles (e.g., topsoil) properly located and adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
10	Are storm drain inlets adequately protected (including upslope)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
11	Is waste, including building materials and construction debris, collected and placed in approved receptacles?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
12	Are washout facilities (e.g., concrete washouts, etc.) available and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
13	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
14	Are portable toilets, material storage areas, and materials that are potential stormwater contaminants managed appropriately?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
15	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
16	(Other based on site conditions):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

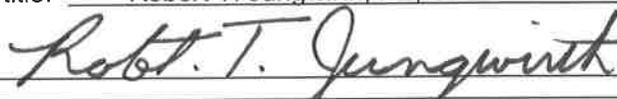
No.(S)	Location and Recommended Corrective Measure	Completed/Initial*
2	Install front yard silt fence	<input type="checkbox"/>
2	Repair sections of silt fence that are down or were not trenched place.	<input type="checkbox"/>
2	Construct proper construction entrance.	<input type="checkbox"/>
11	Excessive construction debris	<input type="checkbox"/>
		<input type="checkbox"/>
		<input type="checkbox"/>
		<input type="checkbox"/>

* Following completion of Corrective Measure, check box and initial

Certification statement: (To address NPDES Permit No. ILR10 requirements)

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print name and title: Robert T. Jungwirth, PE, CFM

Signature: 

Date: 04/28/09

Site Observations – Describe Location and Recommend Corrective Measures Below

No.	BMP/Activity	Implemented & Maintained
1	Are discharge points and receiving waters free of sediment deposits and other pollutants (from the construction site)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
2	Have BMPs specified in the SWPPP/SESC Plan been installed and maintained?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
3	Are additional BMPs necessary (e.g., silt fence, check dams, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
4	Is there evidence of sediment being tracked into the street and/or do streets need to be scraped/swept?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
5	Have stormwater management systems to control off-site runoff and site runoff been constructed, stabilized, and verified to be functioning appropriately? Are outlets protected/stabilized to the property line?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
6	Are Special Management Areas (e.g., creeks, wetlands, buffers, etc.) adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
7	Are temporary stream crossings of non-erodible material installed and/or is re-stabilization complete where applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
8	Have all idle, disturbed areas been stabilized within 14 days of cessation of construction activities in that area (or more restrictive time period per local ordinance requirement)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
9	Are erodible stockpiles (e.g., topsoil) properly located and adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
10	Are storm drain inlets adequately protected (including upslope)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
11	Is waste, including building materials and construction debris, collected and placed in approved receptacles?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
12	Are washout facilities (e.g., concrete washouts, etc.) available and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
13	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
14	Are portable toilets, material storage areas, and materials that are potential stormwater contaminants managed appropriately?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
15	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
16	(Other based on site conditions):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

No.(S)	Location and Recommended Corrective Measure	Completed/Initial*
		<input type="checkbox"/>

* Following completion of Corrective Measure, check box and initial

Certification statement: *(To address NPDES Permit No. ILR10 requirements)*

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print name and title: Robert T. Jungwirth, PE, CFM

Signature: 

Date: 04-29-09

MEMORANDUM

March 30, 2009

TO: Valerie Dehner – Community Development
Jim Sylverne – Building and Zoning
Fred Vogt – Public Works
Bill Suchecki – Public Works
Reid Bateman – Public Works
Jason Souden – CBBEL
Mary Kay – CBBEL

FROM: *RTJ* Robert T. Jungwirth, PE, CFM

SUBJECT: NPDES Program Phase II
Soil Erosion and Sedimentation Control Observation Report

On March 27, 2009 site observations were made at various developments throughout the Community for compliance with erosion control in accordance with the NPDES Program Phase II. The following is a summary of the findings (individual observation reports are attached):

PROJECT NUMBER	PROJECT NAME	ACRES	COMMENTS	NPDES COMPLIANCE
98-361L36	Martinez Subdivision	1.0	Future Inspections on Hold	In compliance
98-361L82	Newport Homes	4.5	Future Inspections on Hold	In compliance
98-361L106	Paweleck Subdivision	1.1	Various repairs Enhancements needed	Not in compliance
98-361L113	Bryant Grove Subdivision	1.3	Future Inspections on Hold	In compliance
98-361L115	Fairfax Subdivision	0.8	Future Inspections on Hold	In compliance
98-361L131	4270 Kirchoff Road	1.0	Future Inspections on Hold	In compliance
98-361L132	3321 Algonquin Road	0.9	No comments	In compliance
98-361L162	2991 Brockway Street	0.9	Silt Fence repairs still needed	Not in compliance

If you have any questions or comments please feel free to contact us.

RTJ/jmc
N:\ROLDW\S\NPDESProgramPhaseII\11M1.033009.doc



CHRISTOPHER B. BURKE ENGINEERING, LTD.

9575 W Higgins Road, Suite 600 Rosemont, Illinois 60018-4920 Tel (847) 823-0500 Fax (847) 823-0520



Stormwater Runoff Construction Site Observation Report

General Information			
Project Name	Martinez Subdivision	CBBEL Project No. 98-361L36	Size 1.0 Acres
Client	City of Rolling Meadows		
Project Location	Vermont & Wilmette		
Date of Site Visit	November 29, 2007	NPDES Permit No. ILR 108482	
Observer's Name(s) & Title(s)	Bob Jungwirth, John Gaddini (RMPW)		
Check phase(s) of construction at time of visit	<input type="checkbox"/> Pre Construction <input type="checkbox"/> Land Development <input type="checkbox"/> Underground Construction <input type="checkbox"/> Roadway Construction <input checked="" type="checkbox"/> Vertical Construction <input type="checkbox"/> Post Construction <input type="checkbox"/> Other:		
Type of Site Visit:			
<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Post-storm event <input type="checkbox"/> Follow-up <input type="checkbox"/> Other: _____			
Weather Information			
Estimated end date of most recent 0.5" rain event (or equivalent snowfall): _____ / _____ / _____			
SWPPP/Soil Erosion and Sediment Control (SESC) Plan			
1. Is an NPDES Permit required for construction site activities? (e.g., Does the construction activity disturb \geq 1 acre?) <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
2. If the answer to question (1) is "yes"...			
A) Is the SWPPP on site (or accessible with location posted)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
B) Is an indication of permit coverage posted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
3. Is the SWPPP/SESC Plan updated/amended as required by the NPDES Permit and/or local requirements? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
SWPPP/SESC Plan comments: Redeveloped portion of property has been restored. Inspections will resume when construction begins on one of the remaining lots. (11-29-07 RTJ)			

Site Observations – Describe Location and Recommend Corrective Measures Below

No.	BMP/Activity	Implemented & Maintained
1	Are discharge points and receiving waters free of sediment deposits and other pollutants (from the construction site)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
2	Have BMPs specified in the SWPPP/SESC Plan been installed and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
3	Are additional BMPs necessary (e.g., silt fence, check dams, etc.)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
4	Is there evidence of sediment being tracked into the street and/or do streets need to be scraped/swept?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
5	Have stormwater management systems to control off-site runoff and site runoff been constructed, stabilized, and verified to be functioning appropriately? Are outlets protected/stabilized to the property line?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
6	Are Special Management Areas (e.g., creeks, wetlands, buffers, etc.) adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
7	Are temporary stream crossings of non-erodible material installed and/or is re-stabilization complete where applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
8	Have all idle, disturbed areas been stabilized within 14 days of cessation of construction activities in that area (or more restrictive time period per local ordinance requirement)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
9	Are erodible stockpiles (e.g., topsoil) properly located and adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
10	Are storm drain inlets adequately protected (including upslope)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
11	Is waste, including building materials and construction debris, collected and placed in approved receptacles?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
12	Are washout facilities (e.g., concrete washouts, etc.) available and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
13	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
14	Are portable toilets, material storage areas, and materials that are potential stormwater contaminants managed appropriately?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
15	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
16	(Other based on site conditions):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A

No.(S)	Location and Recommended Corrective Measure	Completed/Initial*
		<input type="checkbox"/>

* Following completion of Corrective Measure, check box and initial

Certification statement: *(To address NPDES Permit No. ILR10 requirements)*

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print name and title: Robert T. Jungwirth, PE, CFM

Signature: _____

Date: 11/29/07



Stormwater Runoff Construction Site Observation Report

General Information			
Project Name	Newport Homes	CBBEL Project No. 98-361L82	Size 4.5 Acres
Client	City of Rolling Meadows		
Project Location	Burr Oak Court		
Date of Site Visit	October 24, 2008	NPDES Permit No. ILR 10B962	
Observer's Name(s) & Title(s)	Bob Jungwirth		
Check phase(s) of construction at time of visit	<input type="checkbox"/> Pre Construction <input type="checkbox"/> Land Development <input type="checkbox"/> Underground Construction <input type="checkbox"/> Roadway Construction <input checked="" type="checkbox"/> Vertical Construction <input type="checkbox"/> Post Construction <input type="checkbox"/> Other:		
Type of Site Visit:			
<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Post-storm event <input type="checkbox"/> Follow-up <input type="checkbox"/> Other: _____			
Weather Information			
Estimated end date of most recent 0.5" rain event (or equivalent snowfall): _____/_____/_____			
SWPPP/Soil Erosion and Sediment Control (SESC) Plan			
1. Is an NPDES Permit required for construction site activities? (e.g., Does the construction activity disturb \geq 1 acre?)		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
2. If the answer to question (1) is "yes"...			
A) Is the SWPPP on site (or accessible with location posted)?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Is an indication of permit coverage posted?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
3. Is the SWPPP/SESC Plan updated/amended as required by the NPDES Permit and/or local requirements?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
SWPPP/SESC Plan comments: <u>Approved March 2, 2005.</u>			

Site Observations – Describe Location and Recommend Corrective Measures Below

No.	BMP/Activity	Implemented & Maintained
1	Are discharge points and receiving waters free of sediment deposits and other pollutants (from the construction site)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
2	Have BMPs specified in the SWPPP/SESC Plan been installed and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
3	Are additional BMPs necessary (e.g., silt fence, check dams, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
4	Is there evidence of sediment being tracked into the street and/or do streets need to be scraped/swept?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
5	Have stormwater management systems to control off-site runoff and site runoff been constructed, stabilized, and verified to be functioning appropriately? Are outlets protected/stabilized to the property line?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
6	Are Special Management Areas (e.g., creeks, wetlands, buffers, etc.) adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
7	Are temporary stream crossings of non-erodible material installed and/or is re-stabilization complete where applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
8	Have all idle, disturbed areas been stabilized within 14 days of cessation of construction activities in that area (or more restrictive time period per local ordinance requirement)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
9	Are erodible stockpiles (e.g., topsoil) properly located and adequately protected?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
10	Are storm drain inlets adequately protected (including upslope)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
11	Is waste, including building materials and construction debris, collected and placed in approved receptacles?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
12	Are washout facilities (e.g., concrete washouts, etc.) available and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
13	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
14	Are portable toilets, material storage areas, and materials that are potential stormwater contaminants managed appropriately?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
15	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
16	(Other based on site conditions):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A

No.(S)	Location and Recommended Corrective Measure	Completed/Initial*
8	Stabilize lots not actively worked.	<input checked="" type="checkbox"/> RTJ
9	Stabilize stockpiles.	<input checked="" type="checkbox"/> RTJ
	Future inspections on hold pending development of remaining lots.	<input type="checkbox"/>
		<input type="checkbox"/>

* Following completion of Corrective Measure, check box and initial

Certification statement: *(To address NPDES Permit No. ILR10 requirements)*

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print name and title: Robert T. Jungwirth, PE, CFM

Signature: _____ Date: 10/27/08



Stormwater Runoff Construction Site Observation Report

General Information			
Project Name	Paweleck Subdivision	CBBEL Project No. 98-361L106	Approx. Acreage 1.1 Acres
Client	City of Rolling Meadows		
Project Location	West Frontage Road, South of Jody Court		
Date of Site Visit	March 27, 2009	NPDES Permit No. ILR N/A	
Observer's Name(s) & Title(s)	Bob Jungwirth, Larry Hoehler (RMPW)		
Check phase(s) of construction at time of visit	<input type="checkbox"/> Pre Construction <input type="checkbox"/> Land Development <input checked="" type="checkbox"/> Underground Construction <input checked="" type="checkbox"/> Roadway Construction <input type="checkbox"/> Vertical Construction <input type="checkbox"/> Post Construction <input type="checkbox"/> Other:		
Type of Site Visit:			
<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Post-storm event <input type="checkbox"/> Follow-up <input type="checkbox"/> Other: _____			
Weather Information			
Estimated end date of most recent 0.5" rain event (or equivalent snowfall): / /			
SWPPP/Soil Erosion and Sediment Control (SESC) Plan			
1. Is an NPDES Permit required for construction site activities? (e.g., Does the construction activity disturb \geq 1 acre?) <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
2. If the answer to question (1) is "yes"...			
A) Is the SWPPP on site (or accessible with location posted)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
B) Is an indication of permit coverage posted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
3. Is the SWPPP/SESC Plan updated/amended as required by the NPDES Permit and/or local requirements? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
SWPPP/SESC Plan Comments: <u>Approved June 13, 2008</u>			

Site Observations – Describe Location and Recommend Corrective Measures Below

No.	BMP/Activity	Implemented & Maintained
1	Are discharge points and receiving waters free of sediment deposits and other pollutants (from the construction site)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
2	Have BMPs specified in the SWPPP/SESC Plan been installed and maintained?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
3	Are additional BMPs necessary (e.g., silt fence, check dams, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
4	Is there evidence of sediment being tracked into the street and/or do streets need to be scraped/swept?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
5	Have stormwater management systems to control off-site runoff and site runoff been constructed, stabilized, and verified to be functioning appropriately? Are outlets protected/stabilized to the property line?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
6	Are Special Management Areas (e.g., creeks, wetlands, buffers, etc.) adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
7	Are temporary stream crossings of non-erodible material installed and/or is re-stabilization complete where applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
8	Have all idle, disturbed areas been stabilized within 14 days of cessation of construction activities in that area (or more restrictive time period per local ordinance requirement)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
9	Are erodible stockpiles (e.g., topsoil) properly located and adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
10	Are storm drain inlets adequately protected (including upslope)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
11	Is waste, including building materials and construction debris, collected and placed in approved receptacles?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
12	Are washout facilities (e.g., concrete washouts, etc.) available and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
13	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
14	Are portable toilets, material storage areas, and materials that are potential stormwater contaminants managed appropriately?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
15	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
16	(Other based on site conditions):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

No.(S)	Location and Recommended Corrective Measure	Completed/Initial*
8	Site/Civil improvements completed. All pervious areas should be stabilized.	<input type="checkbox"/>
2	A few sections of silt fence need repair.	<input type="checkbox"/>
2	Clean or replace all inlet filters	<input type="checkbox"/>
		<input type="checkbox"/>

* Following completion of Corrective Measure, check box and initial

Certification statement: (To address NPDES Permit No. ILR10 requirements)

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print Name & Title: _____

Signature: Robert T. Jungwirth Date: 3/30/09



Stormwater Runoff Construction Site Observation Report

General Information			
Project Name	Bryant Grove Subdivision	CBBEL Project No. 98-361L113	Size 1.3 Acres
Client	City of Rolling Meadows		
Project Location	Bryant & Plum Grove Road		
Date of Site Visit	August 28, 2008	NPDES Permit No. ILR 10D863	
Observer's Name(s) & Title(s)	Bob Jungwirth, Michael Dean (RMPW)		
Check phase(s) of construction at time of visit	<input type="checkbox"/> Pre Construction <input type="checkbox"/> Land Development <input type="checkbox"/> Underground Construction <input type="checkbox"/> Roadway Construction <input checked="" type="checkbox"/> Vertical Construction <input type="checkbox"/> Post Construction <input type="checkbox"/> Other:		
Type of Site Visit:			
<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Post-storm event <input type="checkbox"/> Follow-up <input type="checkbox"/> Other: _____			
Weather Information			
Estimated end date of most recent 0.5" rain event (or equivalent snowfall): _____ / _____ / _____			
SWPPP/Soil Erosion and Sediment Control (SESC) Plan			
1. Is an NPDES Permit required for construction site activities? (e.g., Does the construction activity disturb \geq 1 acre?) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
2. If the answer to question (1) is "yes"...			
A) Is the SWPPP on site (or accessible with location posted)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
B) Is an indication of permit coverage posted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
3. Is the SWPPP/SESC Plan updated/amended as required by the NPDES Permit and/or local requirements? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
SWPPP/SESC Plan comments: Approved October 11, 2005.			
All lots stabilized. Future inspections on hold until development begins on final lot.			

Site Observations – Describe Location and Recommend Corrective Measures Below

No.	BMP/Activity	Implemented & Maintained
1	Are discharge points and receiving waters free of sediment deposits and other pollutants (from the construction site)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
2	Have BMPs specified in the SWPPP/SESC Plan been installed and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
3	Are additional BMPs necessary (e.g., silt fence, check dams, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
4	Is there evidence of sediment being tracked into the street and/or do streets need to be scraped/swept?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
5	Have stormwater management systems to control off-site runoff and site runoff been constructed, stabilized, and verified to be functioning appropriately? Are outlets protected/stabilized to the property line?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
6	Are Special Management Areas (e.g., creeks, wetlands, buffers, etc.) adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
7	Are temporary stream crossings of non-erodible material installed and/or is re-stabilization complete where applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
8	Have all idle, disturbed areas been stabilized within 14 days of cessation of construction activities in that area (or more restrictive time period per local ordinance requirement)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
9	Are erodible stockpiles (e.g., topsoil) properly located and adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
10	Are storm drain inlets adequately protected (including upslope)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
11	Is waste, including building materials and construction debris, collected and placed in approved receptacles?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
12	Are washout facilities (e.g., concrete washouts, etc.) available and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
13	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
14	Are portable toilets, material storage areas, and materials that are potential stormwater contaminants managed appropriately?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
15	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
16	(Other based on site conditions):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

No.(S)	Location and Recommended Corrective Measure	Completed/Initial*
		<input type="checkbox"/>

* Following completion of Corrective Measure, check box and initial

Certification statement: *(To address NPDES Permit No. ILR10 requirements)*

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print name and title: Robert T. Jungwirth, PE, CFM

Signature: _____ Date: 08/29/08



Stormwater Runoff Construction Site Observation Report

General Information			
Project Name	Fairfax Subdivision	CBBEL Project No. 98-361L115	Size 0.8 Acres
Client	City of Rolling Meadows		
Project Location	Fairfax & Plum Grove Road		
Date of Site Visit	November 21, 2007	NPDES Permit No. ILR N/A	
Observer's Name(s) & Title(s)	Bob Jungwirth, Bill Suchecki (RMPW)		
Check phase(s) of construction at time of visit	<input type="checkbox"/> Pre Construction <input type="checkbox"/> Underground Construction <input type="checkbox"/> Vertical Construction <input type="checkbox"/> Other:	<input type="checkbox"/> Land Development <input type="checkbox"/> Roadway Construction <input checked="" type="checkbox"/> Post Construction	
Type of Site Visit:			
<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Post-storm event <input type="checkbox"/> Follow-up <input type="checkbox"/> Other: _____			
Weather Information			
Estimated end date of most recent 0.5" rain event (or equivalent snowfall): _____ / _____ / _____			
SWPPP/Soil Erosion and Sediment Control (SESC) Plan			
1. Is an NPDES Permit required for construction site activities? (e.g., Does the construction activity disturb \geq 1 acre?)		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
2. If the answer to question (1) is "yes"...			
A) Is the SWPPP on site (or accessible with location posted)?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Is an indication of permit coverage posted?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
3. Is the SWPPP/SESC Plan updated/amended as required by the NPDES Permit and/or local requirements?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
SWPPP/SESC Plan comments:			
Approved October 20, 2005.			
Site is stable. Inspections will resume upon restoration of Plum Grove Road by Highway Contractor.			
(10-29-07 RTJ)			

Site Observations – Describe Location and Recommend Corrective Measures Below

No.	BMP/Activity	Implemented & Maintained
1	Are discharge points and receiving waters free of sediment deposits and other pollutants (from the construction site)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
2	Have BMPs specified in the SWPPP/SESC Plan been installed and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
3	Are additional BMPs necessary (e.g., silt fence, check dams, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
4	Is there evidence of sediment being tracked into the street and/or do streets need to be scraped/swept?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
5	Have stormwater management systems to control off-site runoff and site runoff been constructed, stabilized, and verified to be functioning appropriately? Are outlets protected/stabilized to the property line?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
6	Are Special Management Areas (e.g., creeks, wetlands, buffers, etc.) adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
7	Are temporary stream crossings of non-erodible material installed and/or is re-stabilization complete where applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
8	Have all idle, disturbed areas been stabilized within 14 days of cessation of construction activities in that area (or more restrictive time period per local ordinance requirement)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
9	Are erodible stockpiles (e.g., topsoil) properly located and adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
10	Are storm drain inlets adequately protected (including upslope)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
11	Is waste, including building materials and construction debris, collected and placed in approved receptacles?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
12	Are washout facilities (e.g., concrete washouts, etc.) available and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
13	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
14	Are portable toilets, material storage areas, and materials that are potential stormwater contaminants managed appropriately?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
15	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
16	(Other based on site conditions):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

No.(S)	Location and Recommended Corrective Measure	Completed/Initial*
		<input type="checkbox"/>

* Following completion of Corrective Measure, check box and initial

Certification statement: *(To address NPDES Permit No. ILR10 requirements)*

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print name and title: Robert T. Jungwirth, PE, CFM

Signature: _____

Date: 10/29/07



Stormwater Runoff Construction Site Observation Report

General Information			
Project Name	4270 Kirchoff	CBBEL Project No. 98-361L131	Size 1.0 Acres
Client	City of Rolling Meadows		
Project Location			
Date of Site Visit	October 29, 2007	NPDES Permit No. ILR N/A	
Observer's Name(s) & Title(s)	Bob Jungwirth, John Gaddini (RMPW)		
Check phase(s) of construction at time of visit	<input type="checkbox"/> Pre Construction <input checked="" type="checkbox"/> Land Development <input type="checkbox"/> Underground Construction <input type="checkbox"/> Roadway Construction <input type="checkbox"/> Vertical Construction <input type="checkbox"/> Post Construction <input type="checkbox"/> Other:		
Type of Site Visit:			
<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Post-storm event <input type="checkbox"/> Follow-up <input type="checkbox"/> Other: _____			
Weather Information			
Estimated end date of most recent 0.5" rain event (or equivalent snowfall): _____/_____/_____			
SWPPP/Soil Erosion and Sediment Control (SESC) Plan			
1. Is an NPDES Permit required for construction site activities? (e.g., Does the construction activity disturb \geq 1 acre?) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
2. If the answer to question (1) is "yes"... A) Is the SWPPP on site (or accessible with location posted)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A B) Is an indication of permit coverage posted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
3. Is the SWPPP/SESC Plan updated/amended as required by the NPDES Permit and/or local requirements? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
SWPPP/SESC Plan comments: <u>Approved August 2, 2006.</u>			
Site is stable. Inspections will resume when construction of a home begins. (10-29-07 RTJ)			

Site Observations – Describe Location and Recommend Corrective Measures Below

No.	BMP/Activity	Implemented & Maintained
1	Are discharge points and receiving waters free of sediment deposits and other pollutants (from the construction site)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
2	Have BMPs specified in the SWPPP/SESC Plan been installed and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
3	Are additional BMPs necessary (e.g., silt fence, check dams, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
4	Is there evidence of sediment being tracked into the street and/or do streets need to be scraped/swept?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
5	Have stormwater management systems to control off-site runoff and site runoff been constructed, stabilized, and verified to be functioning appropriately? Are outlets protected/stabilized to the property line?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
6	Are Special Management Areas (e.g., creeks, wetlands, buffers, etc.) adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
7	Are temporary stream crossings of non-erodible material installed and/or is re-stabilization complete where applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
8	Have all idle, disturbed areas been stabilized within 14 days of cessation of construction activities in that area (or more restrictive time period per local ordinance requirement)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
9	Are erodible stockpiles (e.g., topsoil) properly located and adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
10	Are storm drain inlets adequately protected (including upslope)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
11	Is waste, including building materials and construction debris, collected and placed in approved receptacles?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
12	Are washout facilities (e.g., concrete washouts, etc.) available and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
13	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
14	Are portable toilets, material storage areas, and materials that are potential stormwater contaminants managed appropriately?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
15	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
16	(Other based on site conditions):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

No.(S)	Location and Recommended Corrective Measure	Completed/Initial*
		<input type="checkbox"/>

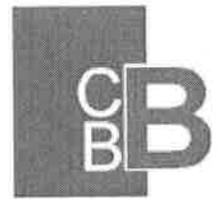
* Following completion of Corrective Measure, check box and initial

Certification statement: *(To address NPDES Permit No. ILR10 requirements)*

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print name and title: Robert T. Jungwirth, PE, CFM

Signature: _____ Date: 10/29/07



Stormwater Runoff Construction Site Observation Report

General Information			
Project Name	3321 Algonquin Road	CBBEL Project No. 98-361L132	Size 0.9 Acres
Client	City of Rolling Meadows		
Project Location	Tollview Drive and Algonquin Road		
Date of Site Visit	March 30, 2009	NPDES Permit No. ILR N/A	
Observer's Name(s) & Title(s)	Bob Jungwirth, Larry Hoehner (RMPW)		
Check phase(s) of construction at time of visit	<input checked="" type="checkbox"/> Pre Construction	<input type="checkbox"/> Land Development	
	<input type="checkbox"/> Underground Construction	<input type="checkbox"/> Roadway Construction	
	<input type="checkbox"/> Vertical Construction	<input type="checkbox"/> Post Construction	
	<input type="checkbox"/> Other:		
Type of Site Visit:			
<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Post-storm event <input type="checkbox"/> Follow-up <input type="checkbox"/> Other: _____			
Weather Information			
Estimated end date of most recent 0.5" rain event (or equivalent snowfall): _____ / _____ / _____			
SWPPP/Soil Erosion and Sediment Control (SESC) Plan			
1. Is an NPDES Permit required for construction site activities? (e.g., Does the construction activity disturb \geq 1 acre?)		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
2. If the answer to question (1) is "yes"...			
A) Is the SWPPP on site (or accessible with location posted)?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
B) Is an indication of permit coverage posted?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
3. Is the SWPPP/SESC Plan updated/amended as required by the NPDES Permit and/or local requirements?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
SWPPP/SESC Plan comments: <u>Approved February 16, 2007</u>			

Site Observations – Describe Location and Recommend Corrective Measures Below

No.	BMP/Activity	Implemented & Maintained
1	Are discharge points and receiving waters free of sediment deposits and other pollutants (from the construction site)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
2	Have BMPs specified in the SWPPP/SESC Plan been installed and maintained?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
3	Are additional BMPs necessary (e.g., silt fence, check dams, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
4	Is there evidence of sediment being tracked into the street and/or do streets need to be scraped/swept?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
5	Have stormwater management systems to control off-site runoff and site runoff been constructed, stabilized, and verified to be functioning appropriately? Are outlets protected/stabilized to the property line?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
6	Are Special Management Areas (e.g., creeks, wetlands, buffers, etc.) adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
7	Are temporary stream crossings of non-erodible material installed and/or is re-stabilization complete where applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
8	Have all idle, disturbed areas been stabilized within 14 days of cessation of construction activities in that area (or more restrictive time period per local ordinance requirement)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
9	Are erodible stockpiles (e.g., topsoil) properly located and adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
10	Are storm drain inlets adequately protected (including upslope)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
11	Is waste, including building materials and construction debris, collected and placed in approved receptacles?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
12	Are washout facilities (e.g., concrete washouts, etc.) available and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
13	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
14	Are portable toilets, material storage areas, and materials that are potential stormwater contaminants managed appropriately?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
15	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
16	(Other based on site conditions):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

No.(S)	Location and Recommended Corrective Measure	Completed/Initial*
		<input type="checkbox"/>

* Following completion of Corrective Measure, check box and initial

Certification statement: (To address NPDES Permit No. ILR10 requirements)

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print name and title: Robert T. Jungwirth, PE, CFM

Signature: 

Date: 03/30/09



Stormwater Runoff Construction Site Observation Report

General Information			
Project Name	2991 Brockway Street	CBBEL Project No. 98-361L162	Size 0.9 Acres
Client	City of Rolling Meadows		
Project Location	Brockway, South of Old Plum Grove Road		
Date of Site Visit	March 27, 2009	NPDES Permit No. ILR N/A	
Observer's Name(s) & Title(s)	Bob Jungwirth, Larry Hoehler (RMPW)		
Check phase(s) of construction at time of visit	<input type="checkbox"/> Pre Construction <input type="checkbox"/> Land Development <input type="checkbox"/> Underground Construction <input type="checkbox"/> Roadway Construction <input checked="" type="checkbox"/> Vertical Construction <input type="checkbox"/> Post Construction <input type="checkbox"/> Other: _____		
Type of Site Visit:			
<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Post-storm event <input type="checkbox"/> Follow-up <input type="checkbox"/> Other: _____			
Weather Information			
Estimated end date of most recent 0.5" rain event (or equivalent snowfall): _____ / _____ / _____			
SWPPP/Soil Erosion and Sediment Control (SESC) Plan			
1. Is an NPDES Permit required for construction site activities? (e.g., Does the construction activity disturb \geq 1 acre?) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
2. If the answer to question (1) is "yes"... <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
A) Is the SWPPP on site (or accessible with location posted)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
B) Is an indication of permit coverage posted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
3. Is the SWPPP/SESC Plan updated/amended as required by the NPDES Permit and/or local requirements? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
SWPPP/SESC Plan comments: <u>Approved June 13, 2008</u>			

Site Observations – Describe Location and Recommend Corrective Measures Below

No.	BMP/Activity	Implemented & Maintained
1	Are discharge points and receiving waters free of sediment deposits and other pollutants (from the construction site)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
2	Have BMPs specified in the SWPPP/SESC Plan been installed and maintained?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
3	Are additional BMPs necessary (e.g., silt fence, check dams, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
4	Is there evidence of sediment being tracked into the street and/or do streets need to be scraped/swept?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
5	Have stormwater management systems to control off-site runoff and site runoff been constructed, stabilized, and verified to be functioning appropriately? Are outlets protected/stabilized to the property line?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
6	Are Special Management Areas (e.g., creeks, wetlands, buffers, etc.) adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
7	Are temporary stream crossings of non-erodible material installed and/or is re-stabilization complete where applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
8	Have all idle, disturbed areas been stabilized within 14 days of cessation of construction activities in that area (or more restrictive time period per local ordinance requirement)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
9	Are erodible stockpiles (e.g., topsoil) properly located and adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
10	Are storm drain inlets adequately protected (including upslope)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
11	Is waste, including building materials and construction debris, collected and placed in approved receptacles?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
12	Are washout facilities (e.g., concrete washouts, etc.) available and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
13	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
14	Are portable toilets, material storage areas, and materials that are potential stormwater contaminants managed appropriately?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
15	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
16	(Other based on site conditions):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

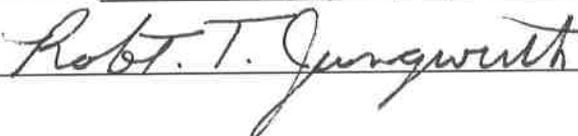
No.(S)	Location and Recommended Corrective Measure	Completed/Initial*
2	Install front yard silt fence	<input type="checkbox"/>
2	Repair sections of silt fence that are down or were not trenched place.	<input type="checkbox"/>
2	Construct proper construction entrance.	<input type="checkbox"/>
11	Excessive construction debris	<input type="checkbox"/>
		<input type="checkbox"/>
		<input type="checkbox"/>
		<input type="checkbox"/>

* Following completion of Corrective Measure, check box and initial

Certification statement: (To address NPDES Permit No. ILR10 requirements)

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print name and title: Robert T. Jungwirth, PE, CFM

Signature: 

Date: 03/30/09

MEMORANDUM

February 9, 2009

TO: Valerie Dehner – Community Development
Jim Sylverne – Building and Zoning
Fred Vogt – Public Works
Bill Suchecki – Public Works
Reid Bateman – Public Works
Jason Souden – CBBEL
Mary Kay – CBBEL

FILE COPY

FROM:  Robert T. Jungwirth, PE, CFM

SUBJECT: NPDES Program Phase II
Soil Erosion and Sedimentation Control Observation Report

On February 9, 2009 site observations were made at various developments throughout the Community for compliance with erosion control in accordance with the NPDES Program Phase II. The following is a summary of the findings (individual observation reports are attached):

PROJECT NUMBER	PROJECT NAME	ACRES	COMMENTS	NPDES COMPLIANCE
98-361L36	Martinez Subdivision	1.0	Future Inspections on Hold	In compliance
98-361L82	Newport Homes	4.5	Future Inspections on Hold	In compliance
98-361L106	Paweleck Subdivision	1.1	Silt Fence needs repair	Not in compliance
98-361L113	Bryant Grove Subdivision	1.3	Future Inspections on Hold	In compliance
98-361L115	Fairfax Subdivision	0.8	Future Inspections on Hold	In compliance
98-361L131	4270 Kirchoff Road	1.0	Future Inspections on Hold	In compliance
98-361L132	3321 Algonquin Road	0.9	No comments	In compliance
98-361L162	2991 Brockway Street	0.9	Silt Fence repairs still needed	Not in compliance

If you have any questions or comments please feel free to contact us.

RTJ/jmc
N:\ROLMDWS\NPDESProgramPhaseIIM1.020909.doc



CHRISTOPHER B. BURKE ENGINEERING, LTD.

9575 W Higgins Road, Suite 600 Rosemont, Illinois 60018-4920 Tel (847) 823-0500 Fax (847) 823-0520

Site Observations – Describe Location and Recommend Corrective Measures Below

No.	BMP/Activity	Implemented & Maintained
1	Are discharge points and receiving waters free of sediment deposits and other pollutants (from the construction site)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
2	Have BMPs specified in the SWPPP/SESC Plan been installed and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
3	Are additional BMPs necessary (e.g., silt fence, check dams, etc.)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
4	Is there evidence of sediment being tracked into the street and/or do streets need to be scraped/swept?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
5	Have stormwater management systems to control off-site runoff and site runoff been constructed, stabilized, and verified to be functioning appropriately? Are outlets protected/stabilized to the property line?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
6	Are Special Management Areas (e.g., creeks, wetlands, buffers, etc.) adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
7	Are temporary stream crossings of non-erodible material installed and/or is re-stabilization complete where applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
8	Have all idle, disturbed areas been stabilized within 14 days of cessation of construction activities in that area (or more restrictive time period per local ordinance requirement)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
9	Are erodible stockpiles (e.g., topsoil) properly located and adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
10	Are storm drain inlets adequately protected (including upslope)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
11	Is waste, including building materials and construction debris, collected and placed in approved receptacles?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
12	Are washout facilities (e.g., concrete washouts, etc.) available and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
13	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
14	Are portable toilets, material storage areas, and materials that are potential stormwater contaminants managed appropriately?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
15	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
16	(Other based on site conditions):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A

No.(S)	Location and Recommended Corrective Measure	Completed/Initial*
		<input type="checkbox"/>

* Following completion of Corrective Measure, check box and initial

Certification statement: *(To address NPDES Permit No. ILR10 requirements)*

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print name and title: Robert T. Jungwirth, PE, CFM

Signature: _____ Date: 11/29/07



Stormwater Runoff Construction Site Observation Report

General Information			
Project Name	Newport Homes	CBBEL Project No. 98-361L82	Size 4.5 Acres
Client	City of Rolling Meadows		
Project Location	Burr Oak Court		
Date of Site Visit	October 24, 2008	NPDES Permit No. ILR 10B962	
Observer's Name(s) & Title(s)	Bob Jungwirth		
Check phase(s) of construction at time of visit	<input type="checkbox"/> Pre Construction <input type="checkbox"/> Land Development <input type="checkbox"/> Underground Construction <input type="checkbox"/> Roadway Construction <input checked="" type="checkbox"/> Vertical Construction <input type="checkbox"/> Post Construction <input type="checkbox"/> Other:		
Type of Site Visit:			
<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Post-storm event <input type="checkbox"/> Follow-up <input type="checkbox"/> Other: _____			
Weather Information			
Estimated end date of most recent 0.5" rain event (or equivalent snowfall): _____/_____/_____			
SWPPP/Soil Erosion and Sediment Control (SESC) Plan			
1. Is an NPDES Permit required for construction site activities? (e.g., Does the construction activity disturb \geq 1 acre?) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
2. If the answer to question (1) is "yes"... <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
A) Is the SWPPP on site (or accessible with location posted)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
B) Is an indication of permit coverage posted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
3. Is the SWPPP/SESC Plan updated/amended as required by the NPDES Permit and/or local requirements? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
SWPPP/SESC Plan comments: <u>Approved March 2, 2005.</u>			

Site Observations – Describe Location and Recommend Corrective Measures Below

No.	BMP/Activity	Implemented & Maintained
1	Are discharge points and receiving waters free of sediment deposits and other pollutants (from the construction site)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
2	Have BMPs specified in the SWPPP/SESC Plan been installed and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
3	Are additional BMPs necessary (e.g., silt fence, check dams, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
4	Is there evidence of sediment being tracked into the street and/or do streets need to be scraped/swept?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
5	Have stormwater management systems to control off-site runoff and site runoff been constructed, stabilized, and verified to be functioning appropriately? Are outlets protected/stabilized to the property line?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
6	Are Special Management Areas (e.g., creeks, wetlands, buffers, etc.) adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
7	Are temporary stream crossings of non-erodible material installed and/or is re-stabilization complete where applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
8	Have all idle, disturbed areas been stabilized within 14 days of cessation of construction activities in that area (or more restrictive time period per local ordinance requirement)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
9	Are erodible stockpiles (e.g., topsoil) properly located and adequately protected?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
10	Are storm drain inlets adequately protected (including upslope)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
11	Is waste, including building materials and construction debris, collected and placed in approved receptacles?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
12	Are washout facilities (e.g., concrete washouts, etc.) available and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
13	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
14	Are portable toilets, material storage areas, and materials that are potential stormwater contaminants managed appropriately?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
15	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
16	(Other based on site conditions):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A

No.(S)	Location and Recommended Corrective Measure	Completed/Initial*
8	Stabilize lots not actively worked.	<input checked="" type="checkbox"/> RTJ
9	Stabilize stockpiles.	<input checked="" type="checkbox"/> RTJ
	Future inspections on hold pending development of remaining lots.	<input type="checkbox"/>
		<input type="checkbox"/>

* Following completion of Corrective Measure, check box and initial

Certification statement: *(To address NPDES Permit No. ILR10 requirements)*

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print name and title: Robert T. Jungwirth, PE, CFM

Signature: _____ Date: 10/27/08

Site Observations – Describe Location and Recommend Corrective Measures Below

No.	BMP/Activity	Implemented & Maintained
1	Are discharge points and receiving waters free of sediment deposits and other pollutants (from the construction site)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
2	Have BMPs specified in the SWPPP/SESC Plan been installed and maintained?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
3	Are additional BMPs necessary (e.g., silt fence, check dams, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
4	Is there evidence of sediment being tracked into the street and/or do streets need to be scraped/swept?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
5	Have stormwater management systems to control off-site runoff and site runoff been constructed, stabilized, and verified to be functioning appropriately? Are outlets protected/stabilized to the property line?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
6	Are Special Management Areas (e.g., creeks, wetlands, buffers, etc.) adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
7	Are temporary stream crossings of non-erodible material installed and/or is re-stabilization complete where applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
8	Have all idle, disturbed areas been stabilized within 14 days of cessation of construction activities in that area (or more restrictive time period per local ordinance requirement)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
9	Are erodible stockpiles (e.g., topsoil) properly located and adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
10	Are storm drain inlets adequately protected (including upslope)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
11	Is waste, including building materials and construction debris, collected and placed in approved receptacles?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
12	Are washout facilities (e.g., concrete washouts, etc.) available and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
13	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
14	Are portable toilets, material storage areas, and materials that are potential stormwater contaminants managed appropriately?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
15	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
16	(Other based on site conditions):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

No.(S)	Location and Recommended Corrective Measure	Completed/Initial*
	Site/Civil improvements completed. All pervious areas should be stabilized.	<input type="checkbox"/>
2	A few sections of silt fence need repair.	<input type="checkbox"/>
		<input type="checkbox"/>

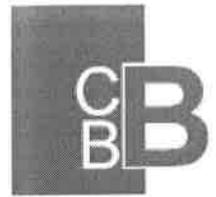
* Following completion of Corrective Measure, check box and initial

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Print Name & Title: _____

Signature: Robt. T. Jungwirth Date: 2/9/09



Stormwater Runoff Construction Site Observation Report

General Information			
Project Name	Bryant Grove Subdivision	CBBEL Project No. 98-361L113	Size 1.3 Acres
Client	City of Rolling Meadows		
Project Location	Bryant & Plum Grove Road		
Date of Site Visit	August 28, 2008	NPDES Permit No. ILR 10D863	
Observer's Name(s) & Title(s)	Bob Jungwirth, Michael Dean (RMPW)		
Check phase(s) of construction at time of visit	<input type="checkbox"/> Pre Construction <input type="checkbox"/> Land Development <input type="checkbox"/> Underground Construction <input type="checkbox"/> Roadway Construction <input checked="" type="checkbox"/> Vertical Construction <input type="checkbox"/> Post Construction <input type="checkbox"/> Other:		
Type of Site Visit:			
<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Post-storm event <input type="checkbox"/> Follow-up <input type="checkbox"/> Other: _____			
Weather Information			
Estimated end date of most recent 0.5" rain event (or equivalent snowfall): _____ / _____ / _____			
SWPPP/Soil Erosion and Sediment Control (SESC) Plan			
1. Is an NPDES Permit required for construction site activities? (e.g., Does the construction activity disturb \geq 1 acre?) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
2. If the answer to question (1) is "yes"... A) Is the SWPPP on site (or accessible with location posted)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A B) Is an indication of permit coverage posted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
3. Is the SWPPP/SESC Plan updated/amended as required by the NPDES Permit and/or local requirements? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
SWPPP/SESC Plan comments: <u>Approved October 11, 2005.</u>			
All lots stabilized. Future inspections on hold until development begins on final lot.			

Site Observations – Describe Location and Recommend Corrective Measures Below

No.	BMP/Activity	Implemented & Maintained
1	Are discharge points and receiving waters free of sediment deposits and other pollutants (from the construction site)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
2	Have BMPs specified in the SWPPP/SESC Plan been installed and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
3	Are additional BMPs necessary (e.g., silt fence, check dams, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
4	Is there evidence of sediment being tracked into the street and/or do streets need to be scraped/swept?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
5	Have stormwater management systems to control off-site runoff and site runoff been constructed, stabilized, and verified to be functioning appropriately? Are outlets protected/stabilized to the property line?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
6	Are Special Management Areas (e.g., creeks, wetlands, buffers, etc.) adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
7	Are temporary stream crossings of non-erodible material installed and/or is re-stabilization complete where applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
8	Have all idle, disturbed areas been stabilized within 14 days of cessation of construction activities in that area (or more restrictive time period per local ordinance requirement)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
9	Are erodible stockpiles (e.g., topsoil) properly located and adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
10	Are storm drain inlets adequately protected (including upslope)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
11	Is waste, including building materials and construction debris, collected and placed in approved receptacles?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
12	Are washout facilities (e.g., concrete washouts, etc.) available and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
13	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
14	Are portable toilets, material storage areas, and materials that are potential stormwater contaminants managed appropriately?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
15	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
16	(Other based on site conditions):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

No.(S)	Location and Recommended Corrective Measure	Completed/Initial*
		<input type="checkbox"/>

* Following completion of Corrective Measure, check box and Initial

Certification statement: *(To address NPDES Permit No. ILR10 requirements)*

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print name and title: Robert T. Jungwirth, PE, CFM

Signature: _____

Date: 08/29/08



Stormwater Runoff Construction Site Observation Report

General Information			
Project Name	Fairfax Subdivision	CBBEL Project No. 98-361L115	Size 0.8 Acres
Client	City of Rolling Meadows		
Project Location	Fairfax & Plum Grove Road		
Date of Site Visit	November 21, 2007	NPDES Permit No. ILR N/A	
Observer's Name(s) & Title(s)	Bob Jungwirth, Bill Suchecki (RMPW)		
Check phase(s) of construction at time of visit	<input type="checkbox"/> Pre Construction <input type="checkbox"/> Land Development <input type="checkbox"/> Underground Construction <input type="checkbox"/> Roadway Construction <input type="checkbox"/> Vertical Construction <input checked="" type="checkbox"/> Post Construction <input type="checkbox"/> Other:		
Type of Site Visit:			
<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Post-storm event <input type="checkbox"/> Follow-up <input type="checkbox"/> Other: _____			
Weather Information			
Estimated end date of most recent 0.5" rain event (or equivalent snowfall): _____/_____/_____			
SWPPP/Soil Erosion and Sediment Control (SESC) Plan			
1. Is an NPDES Permit required for construction site activities? (e.g., Does the construction activity disturb \geq 1 acre?) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
2. If the answer to question (1) is "yes"... A) Is the SWPPP on site (or accessible with location posted)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A B) Is an indication of permit coverage posted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
3. Is the SWPPP/SESC Plan updated/amended as required by the NPDES Permit and/or local requirements? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
SWPPP/SESC Plan comments:	Approved October 20, 2005.		
Site is stable. Inspections will resume upon restoration of Plum Grove Road by Highway Contractor.			
(10-29-07 RTJ)			

Site Observations – Describe Location and Recommend Corrective Measures Below

No.	BMP/Activity	Implemented & Maintained
1	Are discharge points and receiving waters free of sediment deposits and other pollutants (from the construction site)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
2	Have BMPs specified in the SWPPP/SESC Plan been installed and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
3	Are additional BMPs necessary (e.g., silt fence, check dams, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
4	Is there evidence of sediment being tracked into the street and/or do streets need to be scraped/swept?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
5	Have stormwater management systems to control off-site runoff and site runoff been constructed, stabilized, and verified to be functioning appropriately? Are outlets protected/stabilized to the property line?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
6	Are Special Management Areas (e.g., creeks, wetlands, buffers, etc.) adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
7	Are temporary stream crossings of non-erodible material installed and/or is re-stabilization complete where applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
8	Have all idle, disturbed areas been stabilized within 14 days of cessation of construction activities in that area (or more restrictive time period per local ordinance requirement)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
9	Are erodible stockpiles (e.g., topsoil) properly located and adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
10	Are storm drain inlets adequately protected (including upslope)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
11	Is waste, including building materials and construction debris, collected and placed in approved receptacles?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
12	Are washout facilities (e.g., concrete washouts, etc.) available and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
13	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
14	Are portable toilets, material storage areas, and materials that are potential stormwater contaminants managed appropriately?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
15	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
16	(Other based on site conditions):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

No.(S)	Location and Recommended Corrective Measure	Completed/Initial*
		<input type="checkbox"/>

* Following completion of Corrective Measure, check box and initial

Certification statement: *(To address NPDES Permit No. ILR10 requirements)*

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print name and title: Robert T. Jungwirth, PE, CFM

Signature: _____ Date: 10/29/07



Stormwater Runoff Construction Site Observation Report

General Information			
Project Name	4270 Kirchoff	CBBEL Project No. 98-361L131	Size 1.0 Acres
Client	City of Rolling Meadows		
Project Location			
Date of Site Visit	October 29, 2007	NPDES Permit No. ILR N/A	
Observer's Name(s) & Title(s)	Bob Jungwirth, John Gaddini (RMPW)		
Check phase(s) of construction at time of visit	<input type="checkbox"/> Pre Construction <input checked="" type="checkbox"/> Land Development <input type="checkbox"/> Underground Construction <input type="checkbox"/> Roadway Construction <input type="checkbox"/> Vertical Construction <input type="checkbox"/> Post Construction <input type="checkbox"/> Other:		
Type of Site Visit:			
<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Post-storm event <input type="checkbox"/> Follow-up <input type="checkbox"/> Other: _____			
Weather Information			
Estimated end date of most recent 0.5" rain event (or equivalent snowfall): _____ / _____ / _____			
SWPPP/Soil Erosion and Sediment Control (SESC) Plan			
1. Is an NPDES Permit required for construction site activities? (e.g., Does the construction activity disturb \geq 1 acre?) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
2. If the answer to question (1) is "yes"... A) Is the SWPPP on site (or accessible with location posted)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A B) Is an indication of permit coverage posted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
3. Is the SWPPP/SESC Plan updated/amended as required by the NPDES Permit and/or local requirements? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
SWPPP/SESC Plan comments: <u>Approved August 2, 2006.</u>			
Site is stable. Inspections will resume when construction of a home begins. (10-29-07 RTJ)			

Site Observations – Describe Location and Recommend Corrective Measures Below

No.	BMP/Activity	Implemented & Maintained
1	Are discharge points and receiving waters free of sediment deposits and other pollutants (from the construction site)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
2	Have BMPs specified in the SWPPP/SESC Plan been installed and maintained?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
3	Are additional BMPs necessary (e.g., silt fence, check dams, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
4	Is there evidence of sediment being tracked into the street and/or do streets need to be scraped/swept?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
5	Have stormwater management systems to control off-site runoff and site runoff been constructed, stabilized, and verified to be functioning appropriately? Are outlets protected/stabilized to the property line?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
6	Are Special Management Areas (e.g., creeks, wetlands, buffers, etc.) adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
7	Are temporary stream crossings of non-erodible material installed and/or is re-stabilization complete where applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
8	Have all idle, disturbed areas been stabilized within 14 days of cessation of construction activities in that area (or more restrictive time period per local ordinance requirement)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
9	Are erodible stockpiles (e.g., topsoil) properly located and adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
10	Are storm drain inlets adequately protected (including upslope)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
11	Is waste, including building materials and construction debris, collected and placed in approved receptacles?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
12	Are washout facilities (e.g., concrete washouts, etc.) available and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
13	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
14	Are portable toilets, material storage areas, and materials that are potential stormwater contaminants managed appropriately?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
15	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
16	(Other based on site conditions):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

No.(S)	Location and Recommended Corrective Measure	Completed/Initial*
		<input type="checkbox"/>

* Following completion of Corrective Measure, check box and initial

Certification statement: *(To address NPDES Permit No. ILR10 requirements)*

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print name and title: Robert T. Jungwirth, PE, CFM

Signature: _____ Date: 10/29/07



Stormwater Runoff Construction Site Observation Report

General Information			
Project Name	3321 Algonquin Road	CBBEL Project No. 98-361L132	Size 0.9 Acres
Client	City of Rolling Meadows		
Project Location	Tollview Drive and Algonquin Road		
Date of Site Visit	February 9, 2009	NPDES Permit No. ILR N/A	
Observer's Name(s) & Title(s)	Bob Jungwirth		
Check phase(s) of construction at time of visit	<input checked="" type="checkbox"/> Pre Construction <input type="checkbox"/> Land Development <input type="checkbox"/> Underground Construction <input type="checkbox"/> Roadway Construction <input type="checkbox"/> Vertical Construction <input type="checkbox"/> Post Construction <input type="checkbox"/> Other:		
Type of Site Visit:			
<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Post-storm event <input type="checkbox"/> Follow-up <input type="checkbox"/> Other: _____			
Weather Information			
Estimated end date of most recent 0.5" rain event (or equivalent snowfall): _____/_____/_____			
SWPPP/Soil Erosion and Sediment Control (SESC) Plan			
1. Is an NPDES Permit required for construction site activities? (e.g., Does the construction activity disturb \geq 1 acre?) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
2. If the answer to question (1) is "yes"...			
A) Is the SWPPP on site (or accessible with location posted)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
B) Is an indication of permit coverage posted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
3. Is the SWPPP/SESC Plan updated/amended as required by the NPDES Permit and/or local requirements? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
SWPPP/SESC Plan comments: <u>Approved February 16, 2007</u>			

Site Observations – Describe Location and Recommend Corrective Measures Below

No.	BMP/Activity	Implemented & Maintained
1	Are discharge points and receiving waters free of sediment deposits and other pollutants (from the construction site)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
2	Have BMPs specified in the SWPPP/SESC Plan been installed and maintained?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
3	Are additional BMPs necessary (e.g., silt fence, check dams, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
4	Is there evidence of sediment being tracked into the street and/or do streets need to be scraped/swept?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
5	Have stormwater management systems to control off-site runoff and site runoff been constructed, stabilized, and verified to be functioning appropriately? Are outlets protected/stabilized to the property line?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
6	Are Special Management Areas (e.g., creeks, wetlands, buffers, etc.) adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
7	Are temporary stream crossings of non-erodible material installed and/or is re-stabilization complete where applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
8	Have all idle, disturbed areas been stabilized within 14 days of cessation of construction activities in that area (or more restrictive time period per local ordinance requirement)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
9	Are erodible stockpiles (e.g., topsoil) properly located and adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
10	Are storm drain inlets adequately protected (including upslope)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
11	Is waste, including building materials and construction debris, collected and placed in approved receptacles?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
12	Are washout facilities (e.g., concrete washouts, etc.) available and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
13	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
14	Are portable toilets, material storage areas, and materials that are potential stormwater contaminants managed appropriately?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
15	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
16	(Other based on site conditions):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

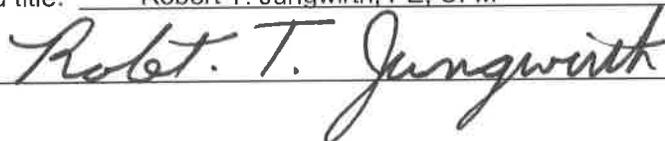
No.(S)	Location and Recommended Corrective Measure	Completed/Initial*
		<input type="checkbox"/>

* Following completion of Corrective Measure, check box and initial

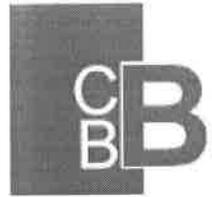
Certification statement: (To address NPDES Permit No. ILR10 requirements)

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print name and title: Robert T. Jungwirth, PE, CFM

Signature: 

Date: 2/9/09



Stormwater Runoff Construction Site Observation Report

General Information			
Project Name	2991 Brockway Street	CBBEL Project No. 98-361L162	Size 0.9 Acres
Client	City of Rolling Meadows		
Project Location	Brockway, South of Old Plum Grove Road		
Date of Site Visit	February 9, 2009	NPDES Permit No. ILR N/A	
Observer's Name(s) & Title(s)	Bob Jungwirth		
Check phase(s) of construction at time of visit	<input type="checkbox"/> Pre Construction <input type="checkbox"/> Land Development <input type="checkbox"/> Underground Construction <input type="checkbox"/> Roadway Construction <input checked="" type="checkbox"/> Vertical Construction <input type="checkbox"/> Post Construction <input type="checkbox"/> Other:		
Type of Site Visit:			
<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Post-storm event <input type="checkbox"/> Follow-up <input type="checkbox"/> Other: _____			
Weather Information			
Estimated end date of most recent 0.5" rain event (or equivalent snowfall): _____/_____/_____			
SWPPP/Soil Erosion and Sediment Control (SESC) Plan			
1. Is an NPDES Permit required for construction site activities? (e.g., Does the construction activity disturb \geq 1 acre?) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
2. If the answer to question (1) is "yes"... A) Is the SWPPP on site (or accessible with location posted)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A B) Is an indication of permit coverage posted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
3. Is the SWPPP/SESC Plan updated/amended as required by the NPDES Permit and/or local requirements? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
SWPPP/SESC Plan comments: <u>Approved June 13, 2008</u>			

Site Observations – Describe Location and Recommend Corrective Measures Below

No.	BMP/Activity	Implemented & Maintained
1	Are discharge points and receiving waters free of sediment deposits and other pollutants (from the construction site)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
2	Have BMPs specified in the SWPPP/SESC Plan been installed and maintained?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
3	Are additional BMPs necessary (e.g., silt fence, check dams, etc.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
4	Is there evidence of sediment being tracked into the street and/or do streets need to be scraped/swept?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
5	Have stormwater management systems to control off-site runoff and site runoff been constructed, stabilized, and verified to be functioning appropriately? Are outlets protected/stabilized to the property line?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
6	Are Special Management Areas (e.g., creeks, wetlands, buffers, etc.) adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
7	Are temporary stream crossings of non-erodible material installed and/or is re-stabilization complete where applicable?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
8	Have all idle, disturbed areas been stabilized within 14 days of cessation of construction activities in that area (or more restrictive time period per local ordinance requirement)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
9	Are erodible stockpiles (e.g., topsoil) properly located and adequately protected?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
10	Are storm drain inlets adequately protected (including upslope)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
11	Is waste, including building materials and construction debris, collected and placed in approved receptacles?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
12	Are washout facilities (e.g., concrete washouts, etc.) available and maintained?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
13	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
14	Are portable toilets, material storage areas, and materials that are potential stormwater contaminants managed appropriately?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
15	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
16	(Other based on site conditions):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

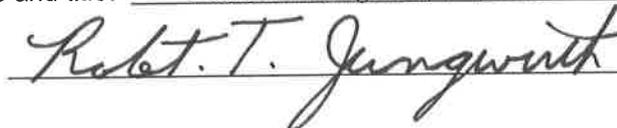
No.(S)	Location and Recommended Corrective Measure	Completed/Initial*
2	Install front yard silt fence	<input type="checkbox"/>
		<input type="checkbox"/>

* Following completion of Corrective Measure, check box and initial

Certification statement: (To address NPDES Permit No. ILR10 requirements)

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Print name and title: Robert T. Jungwirth, PE, CFM

Signature: 

Date: 2/09/09