

Date Prepared: 3/28/2008

For questions regarding this report contact:

Dan Smith
555 Israel Road SW
Tumwater, WA 98501

Stormwater Program Permit Information

1. Permitting Authority: WA Department of Ecology	
2. Permit Number: WAR045020	3. Permit Type: NPDES Phase II
4. Permit Name: City of Tumwater NPDES	
5. Date Issue: 1/17/2007	6. Date Expire: 2/15/2012

General Information for MS4 Operator

1. Operator Name:	Jay Eaton, P.E.		
2. Operator Title:	Public Works Director		
3. Represented Entity:	City of Tumwater		
4. Mailing Address:	555 Israel Road SW		
5. Mail City, State, Zip:	Tumwater, WA 98501		
6. Phone Number:	(360) 754-4140		
7. E-Mail Address:	jeaton@ci.tumwater.wa.us		
8. Co-Permitting With:			
9. Population: 13,340	Households: 5,659	Area (sq mi): 12	
10. Official Website:	www.ci.tumwater.wa.us		

General Information for Primary Contact Person

1. Name:	Dan Smith
2. Title:	Water Resources Program Manager
3. Phone Number	(360) 754-4140
4. E-Mail Address:	desmith@ci.tumwater.wa.us

General Information for Secondary Contact Person

1. Name:	Steve Craig
2. Title:	Utility Operations Manager
3. Phone Number	(360) 754-4150
4. E-Mail Address:	scraig@ci.tumwater.wa.us

General Information for Receiving Waters

Receiving Water Lists: Listed below are all the identified receiving waterbodies to which identified outfalls discharge.

Receiving Streams (creek, stream, river, etc.)	Receiving Waterbodies (lake, wetland, ocean, etc.)	Receiving Watersheds
Percival Creek Deschutes River	Capitol Lake Puget Sound Barnes Lake Trosper Lake	Deschutes Percival Creek

Plan Contents Summary

The Stormwater Management Plan consists of the following Minimum Control Measures and BMPs:

Minimum Control Measures and BMPs		
Public Education & Outreach		
Educational Outreach Program	1/1/2007	2/15/2012
Passive Education Program	1/1/2007	2/15/2012
Technical Assistance Program	1/1/2007	2/15/2012
Youth Involvement and Education Program	1/1/2007	2/15/2012
Public Involvement & Participation		
Public Works Committee	1/1/2007	2/15/2012
South Sound GREEN	1/1/2007	2/15/2012
Tumwater Stream Team	1/1/2007	2/15/2012
Volunteer Water Quality Monitoring	1/1/2007	2/15/2012
Illicit Discharge Detection & Elimination		
Adult Involvement and Education Program	1/1/2007	1/31/2009
Illicit Discharge Detection & Elimination	1/1/2007	2/15/2012
Ordinance Prohibiting Illicit Discharges	1/1/2007	2/15/2012
Storm Drain Marking	1/1/2007	2/15/2012
Storm System Map	1/1/2007	2/15/2012
Construction Site Runoff Control		
Construction Site Inspections & Site Plan Review	1/1/2007	1/31/2012
Construction Site Runoff Control Ordinance	1/1/2008	12/31/2008
Drainage Manual Implementation	1/1/2001	12/31/2008
Municipal O&M and Pollution Prevention		
Operations Education Program		

	1/1/2008	12/31/2009
Pollution Prevention Plans		
	1/1/2008	12/31/2010

Public Education & Outreach

Descriptive Text:

An educational program aimed at residences, businesses, industries, elected officials, policy makers, planning staff and other employees of the City of Tumwater. The goal of this program is to reduce or eliminate behaviors and practices that cause or contribute to adverse stormwater impacts.

Objective as stated in NOI (3-2003):

Raise public awareness on stormwater issues through encouraging positive behaviors and actions and building knowledge and skills through the use of media, printed materials, direct contact and other available formats.

Items required for compliance (no later than 2/2009):

i. General public

- General impacts of stormwater flows into surface waters.
- Impacts from impervious surfaces.
- Source control BMPs and environmental stewardship actions and opportunities in the areas of pet waste, vehicle maintenance, landscaping and buffers.

ii. General public, businesses, including home-based and mobile businesses

- BMPs for use and storage of automotive chemicals, hazardous cleaning supplies, carwash soaps and other hazardous materials.
- Impacts of illicit discharges and how to report them.

iii. Homeowners, landscapers and property managers

- Yard care techniques protective of water quality.
- BMPs for use and storage of pesticides and fertilizers.
- BMPs for carpet cleaning and auto repair and maintenance.
- Low Impact Development techniques, including site design, pervious paving, retention of forests and mature trees.
- Stormwater pond maintenance.

iv. Engineers, contractors, developers, review staff and land use planners

- Technical standards for stormwater site and erosion control plans.
- Low Impact Development techniques, including site design, pervious paving, retention of forests and mature trees.
- Stormwater treatment and flow control BMPs.

Where appropriate, the City shall develop measures to gauge the understanding and acceptance of the targeted behaviors among the targeted audiences.

Labor Budget:

0 Non-Labor Budget:

32750

Labor Budget Summary	Non-Labor Budget Summary
Brochure Production	2,750.00
General Operating	30,000.00

Details of BMPs and Work Performed for Them**Educational Outreach Program**

Responsible Party: Debbie Smith, Water Resources Educator

Start Date: 1/1/2007

End Date: 2/15/2012

Permits Years during which activities are scheduled:

		Labor Budget (hrs)	Non-Labor Budget (\$)
Year 1	X	0.00	3,000.00
Year 2	X	0.00	3,000.00
Year 3	X	0.00	3,000.00
Year 4	X	0.00	3,500.00
Year 5	X	0.00	3,500.00

Name of Separate Implementing Entity:

Not Applicable

BMP Description:

(Per NOI, 3/2003) The City will continue to develop and distribute general education materials to target audiences through available media, including utility bill inserts, targeted message flyers, stormwater facility maintenance guides, utility web site, informational brochures, direct contact and continued coordination with other local agencies.

Has Goal Been Accomplished: NO

Passive Education Program

Responsible Party: Debbie Smith, Water Resources Educator

Start Date: 1/1/2007

End Date: 2/15/2012

Permits Years during which activities are scheduled:

		Labor Budget (hrs)	Non-Labor Budget (\$)
Year 1	X	0.00	500.00
Year 2	X	0.00	1,250.00
Year 3	X	0.00	1,000.00
Year 4	X	0.00	1,000.00
Year 5	X	0.00	1,000.00

Name of Separate Implementing Entity:

Not Applicable

BMP Description:

(Per NOI 3/2003) City staff will continue to develop passive educational materials, such as streamside and watershed signage and media campaigns designed to increase awareness of stormwater issues at public places.

Has Goal Been Accomplished: NO

Technical Assistance Program

Responsible Party: Dan Smith, Water Resources Program Manager

Start Date: 1/1/2007 | End Date: 2/15/2012

Permits Years during which activities are scheduled:

		Labor Budget (hrs)	Non-Labor Budget (\$)
Year 1	X	0.00	500.00
Year 2	X	0.00	1,000.00
Year 3	X	0.00	500.00
Year 4	X	0.00	0.00
Year 5	X	0.00	0.00

Name of Separate Implementing Entity:
Not Applicable

BMP Description:
(Per NOI 3/2003) The City will continue to provide technical assistance to local businesses and homeowner associations to increase awareness and technical expertise on necessary maintenance, water quality, habitat protection and water quality impacts.

Has Goal Been Accomplished: NO

Youth Involvement and Education Program

Responsible Party: Debbie Smith, Water Resources Educator

Start Date: 1/1/2007 | End Date: 2/15/2012

Permits Years during which activities are scheduled:

		Labor Budget (hrs)	Non-Labor Budget (\$)
Year 1	X	0.00	1,500.00
Year 2	X	0.00	2,000.00
Year 3	X	0.00	2,000.00
Year 4	X	0.00	2,250.00
Year 5	X	0.00	2,250.00

Name of Separate Implementing Entity:
Not Applicable

BMP Description:
(Per NOI 3/2030) The City will work with South Sound GREEN and the regional Stream Team to develop and support educational curricula materials for distribution to area schools, including classroom presentations, field trips and creative learning exercises. Targeted audiences will include primary to middle school aged students.

Has Goal Been Accomplished: NO

Public Involvement & Participation

Descriptive Text:

The City shall provide ongoing opportunities for public involvement through advisory councils, watershed committees, participation in developing rate structures, stewardship programs,

environmental and other related activities.

(Per NOI 3/2003)

The objective of the Public Involvement & Participation measure is to encourage public involvement and participation in understanding and addressing stormwater-related issues; to develop a greater interest and participation in water quality monitoring, habitat protection, and public safety; and to encourage an increased awareness in surface water management issues, such as policy-making and regulation compliance.

Prior to the effective date of the permit to the present, the general public has an opportunity to provide comment on the stormwater program through the regular council public notice process.

Labor Budget: 0 Non-Labor Budget: 49000

Labor Budget Summary		Non-Labor Budget Summary	
		General Operating	49,000.00

Details of BMPs and Work Performed for Them

Public Works Committee

Responsible Party: Dan Smith, Water Resources Program Manager

Start Date: 1/1/2007

End Date: 2/15/2012

Permits Years during which activities are scheduled:

		Labor Budget (hrs)	Non-Labor Budget (\$)
Year 1	X	0.00	0.00
Year 2	X	0.00	0.00
Year 3	X	0.00	0.00
Year 4	X	0.00	0.00
Year 5	X	0.00	0.00

Name of Separate Implementing Entity:

Not Applicable

BMP Description:

The City will identify and publicize opportunities for citizen participation at regular meetings of the Public Works Committee, relating to the development and implementation of a successful stormwater program, including policy development, educational outreach and community needs.

All activities conducted by Public Works are brought forward for consideration by the committee. For each meeting, notices and supporting materials are announced on the City's website.

Has Goal Been Accomplished: YES Date Accomplished: 1/1/2007

South Sound GREEN

Responsible Party: Debbie Smith, Water Resources Educator

Start Date: 1/1/2007

End Date: 2/15/2012

Permits Years during which activities are scheduled:

		Labor Budget (hrs)	Non-Labor Budget (\$)
Year 1	X	0.00	4,000.00
Year 2	X	0.00	4,000.00
Year 3	X	0.00	4,000.00
Year 4	X	0.00	4,250.00
Year 5	X	0.00	4,250.00

Name of Separate Implementing Entity:

Not Applicable

BMP Description:

City staff will continue to work with staff from the Global Rivers Environmental Education Network (GREEN) to convey messages important to the utility's resource conservation role and offering citizens and students opportunities for watershed stewardship.

Staff will continue participation in GREEN programs, providing necessary materials for educational outreach to the citizenry and provide opportunities for participation in educational and watershed

stewardship programs.

Has Goal Been Accomplished: YES Date Accomplished: 1/1/2007

Tumwater Stream Team

Responsible Party: Debbie Smith, Water Resources Educator

Start Date: 1/1/2007

End Date: 2/15/2012

Permits Years during which activities are scheduled:

		Labor Budget (hrs)	Non-Labor Budget (\$)
Year 1	X	0.00	4,000.00
Year 2	X	0.00	4,000.00
Year 3	X	0.00	4,000.00
Year 4	X	0.00	4,250.00
Year 5	X	0.00	4,250.00

Name of Separate Implementing Entity:

Not Applicable

BMP Description:

The City shall continue to be an active participant in the regional Stream Team program, as well as developing its own program elements. Staff members develop annual workplans, which include detailed measurable goals and objectives.

Quarterly newsletters describing the recent work conducted by Stream Team (staff and volunteers) is regularly posted to the City's website. All other materials are available on request, or posted on the City's website.

Has Goal Been Accomplished: YES Date Accomplished: 1/1/2007

Volunteer Water Quality Monitoring

Responsible Party: Debbie Smith, Water Resources Educator

Start Date: 1/1/2007

End Date: 2/15/2012

Permits Years during which activities are scheduled:

		Labor Budget (hrs)	Non-Labor Budget (\$)
Year 1	X	0.00	1,500.00
Year 2	X	0.00	1,500.00
Year 3	X	0.00	1,500.00
Year 4	X	0.00	1,750.00
Year 5	X	0.00	1,750.00

Name of Separate Implementing Entity:

Not Applicable

BMP Description:

The City will continue active participation and coordination for volunteer surface water monitoring through the Stream Team program. Monitoring activities include macroinvertebrate, fish-passage and habitat assessments and surface water quality testing.

Yearly work plans developed as part of the regional Stream Team program are developed annually and contain detailed objectives and goals. These work plans are reviewed and refined annually to meet the changing needs of the community and further enhance the continued operation of the program.

Tumwater Stream Team will also develop a chemical monitoring segment to enhance the monitoring component of the program.

Has Goal Been Accomplished: YES Date Accomplished: 12:00:00 AM

Illicit Discharge Detection & Elimination

Descriptive Text:

The City shall conduct an ongoing program to detect and remove illicit connections, discharges as defined in 40 CFR 122.26(b)(2), and improper disposal, including any spills not under the purview of another responding authority, into municipal storm sewers owned and operated by the City.

Labor Budget:

0 Non-Labor Budget:

14700

Labor Budget Summary	
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Non-Labor Budget Summary	
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Brochure Production	1,500.00
Drain Marker Supplies	4,700.00
General Operating	8,500.00

Details of BMPs and Work Performed for Them

Adult Involvement and Education Program

Responsible Party: Debbie Smith, Water Resources Educator

Start Date: 1/1/2007

End Date: 1/31/2009

Permits Years during which activities are scheduled:

		Labor Budget (hrs)	Non-Labor Budget (\$)
Year 1	X	0.00	500.00
Year 2	X	0.00	2,000.00
Year 3	X	0.00	1,000.00
Year 4	X	0.00	1,000.00
Year 5	X	0.00	1,000.00

Name of Separate Implementing Entity:

Not Applicable

BMP Description:

The City will continue to develop and distribute general adult education through available media, including bill inserts, targeted flyers, stormwater facility maintenance guides, utility website, informational brochures, direct contact and continued coordination with other local agencies.

The existing education outreach programs will continue, coordinating and cooperating with the regional education efforts and the Stream Team program. By 2009, staff will examine current and historical efforts and revise program to include a component on the hazards associated with illicit discharges and the improper handling of waste.

Has Goal Been Accomplished: NO

Illicit Discharge Detection & Elimination

Responsible Party: Dan Smith, Water Resources Program Manager

Start Date: 1/1/2007

End Date: 2/15/2012

Permits Years during which activities are scheduled:

		Labor Budget (hrs)	Non-Labor Budget (\$)
Year 1	X	0.00	0.00
Year 2	X	0.00	0.00
Year 3	X	0.00	1,500.00
Year 4	X	0.00	1,500.00
Year 5	X	0.00	1,500.00

Name of Separate Implementing Entity:

Not Applicable

BMP Description:

The City currently video inspects the stormwater system on a regular basis through sub-contractual efforts. City staff inspects outfalls for dry weather discharges regularly. All suspicious discharges are addressed immediately and investigated (as needed) through water quality sampling, system map analysis, smoke testing and video inspection. All evidenced violations are addressed to the greatest

extent necessary.

By February 2010, the City will have completed a video inspection and analysis of the City's entire stormwater system. Once complete, the City will establish a formal program using video and dry weather inspections.

Has Goal Been Accomplished: NO

Ordinance Prohibiting Illicit Discharges

Responsible Party: Dan Smith, Water Resources Program Manager

Start Date: 1/1/2007

End Date: 2/15/2012

Permits Years during which activities are scheduled:

		Labor Budget (hrs)	Non-Labor Budget (\$)
Year 1	X	0.00	0.00
Year 2	X	0.00	0.00
Year 3	X	0.00	0.00
Year 4	X	0.00	0.00
Year 5	X	0.00	0.00

Name of Separate Implementing Entity:

Not Applicable

BMP Description:

TMC Section 13. 12.020 [Prohibited discharges into stormwater system - penalty] states: "It is unlawful for any person to drain or otherwise discharge, or to cause or permit to be drained or otherwise discharged into such stormwater system, any organic or inorganic matter that shall cause or tend to cause pollution of the system's receiving waters beyond that caused by normal and expected runoffs from streets and other impervious surfaces as a result of stormwater runoff or other routine residential outdoor activities. "

Educational materials will be provided to the public as part of the Businesses Pollution Prevention program outreach to assist in the identification and removal of prohibited discharges.

The Code will be updated as needed.

Has Goal Been Accomplished: YES Date Accomplished: 12:00:00 AM

Storm Drain Marking

Responsible Party: Debbie Smith, Water Resources Educator

Start Date: 1/1/2007

End Date: 2/15/2012

Permits Years during which activities are scheduled:

		Labor Budget (hrs)	Non-Labor Budget (\$)
Year 1	X	0.00	1,000.00
Year 2	X	0.00	1,000.00
Year 3	X	0.00	1,000.00
Year 4	X	0.00	850.00
Year 5	X	0.00	850.00

Name of Separate Implementing Entity:

Not Applicable

BMP Description:

The City will continue to provide storm drain stenciling kits to interested volunteer, community and school groups. In addition to volunteer activities, the City requires all new development to ensure storm drain markers are placed on all new stormwater catch basins. The markers and associated materials are provided free of charge.

The City maintains a list and map of all marked facilities.

Has Goal Been Accomplished: YES Date Accomplished: 12:00:00 AM

Storm System Map

Responsible Party: Dan Smith, Water Resources Program Manager

Start Date: 1/1/2007

End Date: 2/15/2012

Permits Years during which activities are scheduled:

		Labor Budget (hrs)	Non-Labor Budget (\$)
Year 1	X	0.00	0.00
Year 2	X	0.00	0.00
Year 3	X	0.00	0.00
Year 4	X	0.00	0.00
Year 5	X	0.00	0.00

Name of Separate Implementing Entity:

Not Applicable

BMP Description:

The City of Tumwater has developed a comprehensive map of the public stormwater system, as well as a facility location map for private stormwater systems. These maps are updated regularly, or as necessary due to the completion of new projects or updates of existing pipe systems are needed.

The development community (public) is involved through the development and submittal of as-built engineering documents for private construction projects, which staff incorporate into the City's stormwater map.

Has Goal Been Accomplished: YES Date Accomplished: 12:00:00 AM

Construction Site Runoff Control

Descriptive Text:

The City shall develop, implement, and enforce a program to reduce pollutants in stormwater runoff from new development, redevelopment and construction site activities. This program shall be applied to to all sites that disturb a land area 1 acre or greater, including projects less than one acre that are part of a larger common plan of the development, including roads.

Labor Budget:

0 Non-Labor Budget:

0

Labor Budget Summary

Non-Labor Budget Summary

Details of BMPs and Work Performed for Them

Construction Site Inspections & Site Plan Review

Responsible Party: Dan Smith, Water Resources Program Manager

Start Date: 1/1/2007

End Date: 1/31/2012

Permits Years during which activities are scheduled:

		Labor Budget (hrs)	Non-Labor Budget (\$)
Year 1	X	0.00	0.00
Year 2	X	0.00	0.00
Year 3	X	0.00	0.00
Year 4	X	0.00	0.00
Year 5	X	0.00	0.00

Name of Separate Implementing Entity:

Not Applicable

BMP Description:

City staff currently require developers to implement the guidelines outlined in the development guide utilized by the City. These requirements are enforced through regular site inspections by the Development Services Department. The City also requires all developments to undergo a site plan review process that identifies and addresses potential water quality impacts.

The City will continue to require the development community to comply with the standards outlined in the most current Development Guide and stormwater protection ordinance. Staff will also continue with regular, unannounced site visits to ensure compliance with the standards.

Has Goal Been Accomplished: YES Date Accomplished: 1/1/2007

Construction Site Runoff Control Ordinance

Responsible Party: Dan Smith, Water Resources Program Manager

Start Date: 1/1/2008

End Date: 12/31/2008

Permits Years during which activities are scheduled:

		Labor Budget (hrs)	Non-Labor Budget (\$)
Year 1	X	0.00	0.00
Year 2	X	0.00	0.00
Year 3	X	0.00	0.00
Year 4	X	0.00	0.00
Year 5	X	0.00	0.00

Name of Separate Implementing Entity:

Not Applicable

BMP Description:

The City has adopted a Development Guide by ordinance (O#095-023) that addresses construction site sediment and erosion control. The City enforces the standards set forth in the Development Guide as part of the development review process.

By February 2009, the City will have an ordinance in place that reflects the requirements of 40 CFR

122.34(b)(4)(i).

Has Goal Been Accomplished: NO

Drainage Manual Implementation

Responsible Party: Dan Smith, Water Resources Program Manager

Start Date: 1/1/2001

End Date: 12/31/2008

Permits Years during which activities are scheduled:

		Labor Budget (hrs)	Non-Labor Budget (\$)
Year 1	X	0.00	0.00
Year 2	X	0.00	0.00
Year 3	X	0.00	0.00
Year 4	X	0.00	0.00
Year 5	X	0.00	0.00

Name of Separate Implementing Entity:

Not Applicable

BMP Description:

The City currently requires developers to utilize the 1995 Thurston County Drainage Design and Erosion Control Manual. Staff are currently involved in the process to adopt the most recent Ecology manual, 2005 Stormwater Management Manual for Western Washington, with revisions suitable for the local environment. The manual is technically-equivalent to Ecology's manual.

In 2008, the City of Tumwater will adopt and implement the revised version.

Has Goal Been Accomplished: NO

Municipal O&M and Pollution Prevention

Descriptive Text:

The City shall develop and implement an O&M program that includes a training component and has the ultimate goal of preventing or reducing pollutant runoff from municipal operations.

Labor Budget:

0 Non-Labor Budget:

0

Labor Budget Summary

Non-Labor Budget Summary

Details of BMPs and Work Performed for Them

Operations Education Program

Responsible Party: Dan Smith, Water Resources Program Manager

Start Date: 1/1/2008

End Date: 12/31/2009

Permits Years during which activities are scheduled:

		Labor Budget (hrs)	Non-Labor Budget (\$)
Year 1	X	0.00	0.00
Year 2	X	0.00	0.00
Year 3	X	0.00	0.00
Year 4	X	0.00	0.00
Year 5	X	0.00	0.00

Name of Separate Implementing Entity:

Not Applicable

BMP Description:

The City will continue to provide general education to City employees on the proper handling, storage, and disposal of hazardous materials through direct contact and use of various medias, including flyers, brochures and/or crew seminars.

No later than 2009, the City will expand the educational materials to include best management practices and pollution prevention at fixed facilities and during maintenance operations.

Has Goal Been Accomplished: NO

Pollution Prevention Plans

Responsible Party: Dan Smith, Water Resources Program Manager

Start Date: 1/1/2008

End Date: 12/31/2010

Permits Years during which activities are scheduled:

		Labor Budget (hrs)	Non-Labor Budget (\$)
Year 1	X	0.00	0.00
Year 2	X	0.00	0.00
Year 3	X	0.00	0.00
Year 4	X	0.00	0.00
Year 5	X	0.00	0.00

Name of Separate Implementing Entity:

Not Applicable

BMP Description:

The City will develop and implement pollution prevention plans for each publically owned facility that handles potential stormwater pollutants.

No later than Dec. 2010, all City of Tumwater facilities will develop and implement Pollution Prevention plans and train thier staff on the proper use of the plan.

Has Goal Been Accomplished: NO

BMP Assignments by Responsible Party		
Public Education & Outreach		
Debbie Smith		
Educational Outreach Program		
	1/1/2007	2/15/2012
Passive Education Program		
	1/1/2007	2/15/2012
Dan Smith		
Technical Assistance Program		
	1/1/2007	2/15/2012
Debbie Smith		
Youth Involvement and Education Program		
	1/1/2007	2/15/2012
Public Involvement & Participation		
Dan Smith		
Public Works Committee		
	1/1/2007	2/15/2012
Debbie Smith		
South Sound GREEN		
	1/1/2007	2/15/2012
Tumwater Stream Team		
	1/1/2007	2/15/2012
Volunteer Water Quality Monitoring		
	1/1/2007	2/15/2012
Illicit Discharge Detection & Elimination		
Debbie Smith		
Adult Involvement and Education Program		
	1/1/2007	1/31/2009
Dan Smith		
Illicit Discharge Detection & Elimination		
	1/1/2007	2/15/2012
Ordinance Prohibiting Illicit Discharges		
	1/1/2007	2/15/2012
Debbie Smith		
Storm Drain Marking		
	1/1/2007	2/15/2012
Dan Smith		
Storm System Map		
	1/1/2007	2/15/2012
Construction Site Runoff Control		
Dan Smith		
Construction Site Inspections & Site Plan Review		

	1/1/2007	1/31/2012
Construction Site Runoff Control Ordinance		
	1/1/2008	12/31/2008
Drainage Manual Implementation		
	1/1/2001	12/31/2008
Municipal O&M and Pollution Prevention		
Dan Smith		
Operations Education Program		
	1/1/2008	12/31/2009
Pollution Prevention Plans		
	1/1/2008	12/31/2010