

Received
3/4/09

Municipality/Organization: Orleans, MA

EPA NPDES Permit Number: MAR041146

MaDEP Transmittal Number: W-035744

Annual Report Number

& Reporting Period: No. 5: March 07-March 08

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: Mark Budnick

Title: Manager, Highway Department

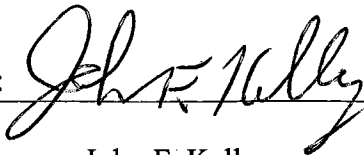
Telephone #: 508-240-3790

Email: mbudnick@town.orleans.ma.us

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 submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature:



Printed Name: John F. Kelly

Title: Town Administrator

Date:

3/2/09

Part II. Self-Assessment

The Town of Orleans has completed the required self-assessment and has determined that our municipality is in compliance with all permit conditions, except for the following provisions:

Failed to submit annual report on or before May 1, 2008.

Illicit Discharge and Detection:

Have continued to rely on visual observations during CB cleaning. Have added line item in annual budget for Year 5 for BMP maintenance to include pipe flushing and inspection as felt needed. Illicit discharge inspections were conducted during these inspections. Have not yet developed a formal IDDE policy. Primary goal in year 6 and beyond.

Public Education and outreach:

Though goal was to distribute flyers at Transfer Station, this only occurred sporadically. Posters were placed at Town Hall. The Orleans Pond Coalition was in the process and developing the "Orleans Pond Guide to Protecting Cape Cod Waters" that was expected to be distributed in spring 2008. BMPs are now available and Town Hall and Town Facilities. Finding new Public Education and Outreach methods in Year 6 and beyond.

Mapping:

Mapping continued and development continued in year 5 but was not completed. Town purchased a GPS device for data collection in year 5. Mapping and Data base development to continue to be planned for year 6 and beyond. Town to incorporate the volunteer Water Quality Task Force for data collection. Participation program. Consultant services will be used to manage data base.

Erosion Control Bylaws: Bylaws were included as an Article for Town meeting in May 2008. Bylaws were adopted at Town Meeting. Adoption and enforcement to continue in year 6 and all years beyond.

Other related accomplishments:

In plan year 5 the Town has completed storm water remediation projects at two major outfalls. The Town has made drainage modifications at 2 locations where non-point source discharge was reduced. The Town has an annual Article to fund Water Quality Drainage Improvements and will assertively be addressing storm water remediation projects.

Throughout the permit the Town had installed "Mutt Mitt" animal waste collection bags at key sensitive and highly used areas.

Training:

Spill control kits are located in strategic areas of the Transfer Station. Transfer Station Staff are Hazwopper trained annually for spill response as part of the Hazwopper 1910.120 t 8 hour refresher training.

Other department personnel have received some training in spill response and good general housekeeping.

Increased and more formal training will be a goal in year 6 and beyond..

Part III. Summary of Minimum Control Measures

1. Public Education and Outreach

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 6 and beyond
A.1	Develop and Broadcast Via PA CATV Storm Water Video	Mark Budnick, Highway Manager	One per year – in conjunction with County Group	No progress	Locate and broadcast Storm Water Video annually
Revised					
A.2	Household Hazardous Waste Control	Mark Budnick, Highway Manager	Annual HHW Collection	Collection day held September 15, 2007	Annual collection day to held July and September 2008 and each year beyond
Revised					
A.3	Education Flyers	Mark Budnick, Highway Manager	Distribute 2 per year at Transfer Station	Orleans Pond Coalition is developing “The Orleans Blue Pages “Water Quality protection booklet to be distributed to residents and will be available at Town Hall in spring 2008 Storm Water Posters displayed at Transfer Station and At Town Hall	Research new ideas and continue to distribute Educational material
Revised					
A.4	Web Page Information	Mark Budnick & Peter VanDyck, IT Coordinator	Short Article – one per year	Highway dept page on Town website provides links to Storm water program information and websites posted on Town Website.	Continue development of web page. Provide short annual article. Videos, articles.
Revised					
Revised					

1a. Additions

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 6 and beyond
B.1 Revised	Water Quality Monitoring Program	Water Quality Task Force	Ongoing for past ten years	Water quality monitoring has been performed over the year. Task force meets once per month.	Continue monitoring water quality
B.2 Revised	Estuaries Program	Director of Planning and Development	Ongoing for past 2 years of 3 year study	Ongoing study.	Anticipate water quality reports for all town estuaries in 2009.
Revised					
Revised					
Revised					
Revised					
Revised					

2a. Additions

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 6 and beyond
C.1	Storm Water System Mapping and Database Development	Mark Budnick, Highway Manager	Comprehensive town-wide survey by year 2 – as funding allows	Work on database is ongoing – approximately 50% of data has been included in the database. Town purchased a Trimble GPS locator in 2007. Out fall locations identified, some located with GPS	Complete database development. Incorporated Public Participation, Water Quality Task Force, in data collection. Consultant to provide support in GIS data base development.
Revised					
C.2	Review Existing By-Laws	Director of Planning and Development	Review existing by-laws and adopt storm water ordinance FY06	Draft storm water ordinances and sedimentation/erosion by-laws. Prepare for Town Meeting in Spring 2008.	Adopt Storm water and erosion/sediment bylaws in 2008. Enforce bylaws.
Revised					
C.3	Identify and Document Illicit Connections	Mark Budnick, Highway Manager	Review C.1 results, finalize database by Year 4	Ongoing. Possible Illicit discharges are noted by observations during CB cleaning. And during pipe flushing and video taping of drainage lines. Included dedicated BMP maintenance line item in Highway Department Budget	Continue review of mapping results and identification during catchbasin cleaning and pipe cleaning and inspection. Develop formal plan that incorporated both drainage Maintenance and Illicit discharge and detection. D
Revised					
Revised					

3a. Additions

4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 6 and beyond
D.1	Review Existing By-Laws	Director of Planning and Development	Review existing by-laws and adopt construction ordinance FY 06	Proposed Drainage and Erosion and Sediment control bylaws to be presented to Town meeting for adoption in May 2008	Anticipate adoption of bylaws. Enforce bylaws when adopted
Revised					
D.2	Propose amendments and articles at Town Meeting	Director of Planning and Development	Spring 06	Proposed Drainage and Erosion and Sediment control bylaws to be presented to Town meeting for adoption in May 2008	Anticipate adoption of ordinance by selectmen.
Revised					
Revised					
Revised					
Revised					

4a. Additions

5. Post-Construction Stormwater Management in New Development and Redevelopment

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 6 and beyond
E.1	Review Existing By-Laws	George Meservy, Director of Planning and Development	Review existing by-laws and adopt Runoff Control Ordinance FY06	Proposed Drainage and Erosion and Sediment control bylaws to be presented to Town meeting for adoption in May 2008	Enforce bylaws when adopted
Revised					
E.2	Propose amendments and articles at Town Meeting	George Meservy, Director of Planning and Development	Spring 06	See E.1	
Revised					
Revised					
Revised					

5a. Additions

6. Pollution Prevention and Good Housekeeping in Municipal Operations

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 5 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 6 and beyond
F.1	Street Sweeping	Mark Budnick, Highway Manager	Annual winter cleanup and as-necessary	All streets were swept at least once, many more than once during the year. 450 tons of street sweepings were collected during the year.	Continue Annual street sweeping program
Revised					
F.2	Catch Basin Cleaning	Mark Budnick, Highway Manager	Clean all basins in town on yearly rotating schedule	All basins received an annual cleaning. 525 tons of catch basin cleanings were collected during the year.	Continue Annual catch basin cleaning program
Revised					
F.3	Develop Drainage System Improvement Plan	Mark Budnick, Highway Manager	Prepare Capital Plan Article for FY06	Ongoing Capital Plan includes allotment for drainage improvements. Annual construction plan for water quality Improvements projects developed annually. Two major outfalls addressed in Plan year 5	Continue funding in Capital plan. Continued remediation of outfalls.
Revised					
F.4	Propose Amendments and Articles at Town Meeting	Mark Budnick, Highway Manager	Spring 06	See comment F.3	See comment F.3

6a. Additions

F.5	Install Animal Waste collection Bags in Key Areas of Concern			"Mutt Mitts had been installed in earlier plan years but were not noted. Maintenance of these devices continued in year 5.	Continued maintenance of "mutt Mitts"

7. BMPs for Meeting Total Maximum Daily Load (TMDL) Waste Load Allocations (WLA) <<if applicable>>

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 6 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 6 and beyond
Revised					
Revised					
Revised					
Revised					
Revised					
Revised					

7a. Additions

7b. WLA Assessment

Part IV. Summary of Information Collected and Analyzed

Beach monitoring performed by Town of Orleans Health Department.