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Municipality/Organization: Town of Dudley, MA

EPA NPDES Permit Number: MAR041108

MassDEP Transmittal Number: W-

Annual Report Number & Reporting Period: Year 8  
May 1, 2010 to April 30 2011

## NPDES PII Small MS4 General Permit Annual Report (Due: May 1, 2011)

### Part I. General Information

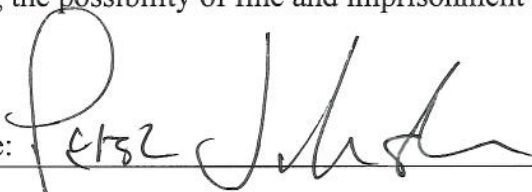
Contact Person: Peter Jankowski Title: Town Administrator

Telephone #: 508 - 949 - 8001 Email: administrator@dudleyma.gov

Mailing Address: 71 West Main Street, Dudley, MA 01571

#### 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: Peter Jankowski

Title: Town Administrator

Date: 8/29/11

## **Part II. Self-Assessment**

The town continues its public notification system utilizing twitter, municipal webpage and PEG Television for messages regarding public concerns, including storm water & weather related issues.

The Town replaced storm water drainage system (4 catch basins and pipe system) along Healy Road for approximately  $\frac{3}{4}$  of a mile.

**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 8 (Reliance on non-municipal partners indicated, if any)	Planned Activities
101 Revised	Household Hazardous Waste Day	Fire & Board of Health	Annual Event	Funded event was held in May 2010.	Completed
102 Revised	Checks for Leaks Program	Water Department	Annual program	Water Department “ Consumer Awareness report” is mailed to all residents & businesses and included a information on checking for leaks.	Completed
103 Revised	PEG Channel	Cable /Selectmen	EPA Program “After the Storm”	Broadcasted on the PEG Access channel in the spring.	Not completed as tape/dvd needs to be replaced.
104 Revised	Reverse 911 Notification Program	Police / Selectmen	As needed	Program allows the town to give notice to all landline residents when a public concern has occurred. Used 1x this year.	Completed – however program is suspend for FY 2012 – program funding cut back. Plan to utilize free
105 Revised	Twitter	Board of Selectmen	As Needed	Provide short public notice to individual & organizations	

106	Consumer Awareness Report	Water Department	Annually	Provides informant a public water supply, water quality monitoring, ect.	Completed
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**1a. Additions**

**2. Public Involvement and Participation**

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 8 (Reliance on non-municipal partners indicated, if any)	Planned Activities
201 Revised	Household Hazardous Waste Day	Haz Mat Mgr	Annual Event	Held in May 2010.	Completed
202 Revised	Collection of Non Hazardous Waste	Board of Health	Earth Day – Volunteers collect roadside & water way debris & trash.	April 2011	Completed
203 Revised					
204 Revised					
Revised					
Revised					

**2a. Additions - None**

### 3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 8 (Reliance on non-municipal partners indicated, if any)	Planned Activities
301 Revised	Take Water Samples	Board of Health	Merion Pond	Funded program for weekly spring & summer testing. Public beach area.	Completed
302 Revised	Town Employee Training	Highway Department	Annual Training	Video training on various topics including Storm related issues and Discharge detection.	Completed
303 Revised	Enforce Illegal Dumping By-Law	Board of Health	Fines collected and dumping minimized	No Infraction for this year.	Completed
304 Revised	Illegal Dumping	Highway and Bldg & Grounds	Roadside Pick Up	Filled one 40 yard roll off container from road side & water ways from illegal dumping.	Completed
305 Revised	Illegal Water Usage & Meter tampering	Water Department	Curb illegal water use	Policy gave town authority to proceed against illegal water users on the public water supply.	Completed
Revised					

### 3a. Additions - None



**4. Construction Site Stormwater Runoff Control**

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 8 (Reliance on non-municipal partners indicated, if any)	Planned Activities
401 Revised	Site Plan Enforcement	Inspector of Buildings	Regular Inspection of Buildings	Full Time position conducts enforcement	Completed
402 Revised	Subdivision Regulations Enforcement	Planning Board	Regular inspection of active sites	Conducted	Completed
403 Revised	Conservation By-Law	Conservation Commission	Mitigation around water bodies	Mitigation and inspection overseen by wetland specialist	Completed
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 8 (Reliance on non-municipal partners indicated, if any)	Planned Activities
501 Revised	Site Plan Enforcement	Inspector of Buildings	Regular Inspection of Buildings	Full Time position conducts enforcement	Completed
502 Revised	Subdivision Regulations Enforcement	Planning Board	Regular inspection of active sites	Conducted	Completed
503 Revised	Loam & Soil Permit	Inspector of Buildings	Regular inspection of active sites	Soil & Loam permit	Completed
504 Revised	Conservation By-Law	Conservation Commission	Mitigation around water bodies	Mitigation and inspection overseen by wetland specialist	Completed
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 8 (Reliance on non-municipal partners indicated, if any)	Planned Activities
601 Revised	Street Sweeping	Dan Gion Highway	Daily March thru October	Downtown streets first then outer roads.	Completed
602 Revised	Vacuum Catch Basins	Dan Gion Highway	Weekly if possible	Scheduled for May and November for 187 catch basins.	Completed
603 Revised	Training Of Employees	Dan Gion Highway	Training Video	Stormwater video shown annually	
604 Revised	Used Oil Collection	Dan Gion Highway	Waste oil from town dept's	All waste oil is collected then disposed of by Cyn Tech Environmental, Inc.	
Revised					
Revised					

**6a. Additions**




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 8 (Reliance on non-municipal partners indicated, if any)	Planned Activities
701 Revised	Catch Basin Cleaning Program	Dan Gion Highway	Basins Near Water 2x / Year	Conducted in May and November	
Revised					
Revised					
Revised					
Revised					
Revised					

7a. Additions


7b. WLA Assessment

**Part IV. Summary of Information Collected and Analyzed**

**Part V. Program Outputs & Accomplishments (OPTIONAL)**

(Since beginning of permit coverage unless specified otherwise by a \*\*, which indicates response is for period covering April 1, 2010 through March 31, 2011)

**Programmatic**

	(Preferred Units)	Response
Stormwater management position created/staffed	(y/n)	
Annual program budget/expenditures **	(\$)	
Total program expenditures since beginning of permit coverage	(\$)	
Funding mechanism(s) (General Fund, Enterprise, Utility, etc)		

**Education, Involvement, and Training**

Estimated number of property owners reached by education program(s)	45%	estimated
Stormwater management committee established		
Stream teams established or supported		
Shoreline clean-up participation or quantity of shoreline miles cleaned **	Yes	Brooks, streams
Shoreline cleaned since beginning of permit coverage		
Household Hazardous Waste Collection Days		
▪ days sponsored **	1	
▪ community participation **	1	
▪ material collected **	Oils, batteries, Paints, pesticides, fuels, mercury	
School curricula implemented	(y/n)	

## Legal/Regulatory

Regulatory Mechanism Status (indicate with "X")	In Place Prior to Phase II	Reviewing Existing Authorities	Drafted	Draft in Review	Adopted
▪ Illicit Discharge Detection & Elimination					
▪ Erosion & Sediment Control					X
▪ Post-Development Stormwater Management					
Accompanying Regulation Status (indicate with "X")					
▪ Illicit Discharge Detection & Elimination					
▪ Erosion & Sediment Control					X
▪ Post-Development Stormwater Management					

## Mapping and Illicit Discharges

	(Preferred Units)	Response
Outfall mapping complete	(%)	
Estimated or actual number of outfalls	(#)	
System-Wide mapping complete (complete storm sewer infrastructure)	(%)	
Mapping method(s)		
▪ Paper/Mylar	(%)	
▪ CADD	(%)	
▪ GIS	(%)	
Outfalls inspected/screened **	(# or %)	
Outfalls inspected/screened (Since beginning of permit coverage)	(# or %)	
Illicit discharges identified **	(#)	
Illicit discharges identified (Since beginning of permit coverage)	(#)	
Illicit connections removed **	(#); and (est. gpd)	
Illicit connections removed (Since beginning of permit coverage)	(#); and (est. gpd)	
% of population on sewer	(%)	
% of population on septic systems	(%)	

### Construction

	(Preferred Units)	Response
Number of construction starts (>1-acre) **	(#)	8
Estimated percentage of construction starts adequately regulated for erosion and sediment control **	(%)	100%
Site inspections completed **	(# or %)	100%
Tickets/Stop work orders issued **	(# or %)	2
Fines collected **	(# and \$)	0
Complaints/concerns received from public **	(#)	0

### Post-Development Stormwater Management

Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control	(%)	1
Site inspections (for proper BMP installation & operation) completed **	(# or %)	2
BMP maintenance required through covenants, escrow, deed restrictions, etc.	(y/n)	N
Low-impact development (LID) practices permitted and encouraged	(y/n)	Y

### Operations and Maintenance

Average frequency of catch basin cleaning (non-commercial/non-arterial streets) **	1x annually	Completed
Average frequency of catch basin cleaning (commercial/arterial or other critical streets) **	2x at waterways	Completed
Qty of structures cleaned **		+ 935
Qty. of storm drain cleaned **		1500 LF
Qty. of screenings/debris removed from storm sewer infrastructure **	(lbs. or tons)	93.5 tons
Disposal or use of screenings (landfill, POTW, compost, beneficial use, etc.) **		Back Fill & Compost



Basin Cleaning Costs			
• Annual budget/expenditure (labor & equipment)**	(\$)		In house
• Hourly or per basin contract rate **	(\$/hr or \$ per basin)		
• Disposal cost**	(\$)		
Cleaning Equipment			
• Clam shell truck(s) owned/leased	(#)		
• Vacuum truck(s) owned/leased	(#)	1	
• Vacuum trucks specified in contracts	(y/n)		
• % Structures cleaned with clam shells **	(%)		
• % Structures cleaned with vector **	(%)	100 %	

	(Preferred Units)	Response
Average frequency of street sweeping (non-commercial/non-arterial streets) **	(times/yr)	1x/2x at waterways
Average frequency of street sweeping (commercial/arterial or other critical streets) **	(times/yr)	1x/2x at waterways
Qty. of sand/debris collected by sweeping **	(lbs. or tons)	± 2000 yards
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.) **	(location)	Road fill & Compost
Annual Sweeping Costs		
• Annual budget/expenditure (labor & equipment)**	(\$)	In house
• Hourly or lane mile contract rate **	(\$/hr. or In mi.)	
• Disposal cost**	(\$)	
Sweeping Equipment		
• Rotary brush street sweepers owned/leased	(#)	
• Vacuum street sweepers owned/leased	(#)	1
• Vacuum street sweepers specified in contracts	(y/n)	
• % Roads swept with rotary brush sweepers **	%	
• % Roads swept with vacuum sweepers **	%	± 85 %



Reduction (since beginning of permit coverage) in application on public land of:  
 ("N/A" = never used; "100%" = elimination)

▪ Fertilizers	(lbs. or %)	N / A
▪ Herbicides	(lbs. or %)	N / A
▪ Pesticides	(lbs. or %)	N / A
Integrated Pest Management (IPM) Practices Implemented	(y/n)	N

	(Preferred Units)	Response
Average Ratio of Anti-/De-Icing products used **	% NaCl % CaCl <sub>2</sub> % MgCl <sub>2</sub> % CMA % Kac % KCl % Sand	17 – 20 %      80 – 20 %
(also identify chemicals and ratios used in specific areas, e.g., water supply protection areas)		
Pre-wetting techniques utilized **	(y/n or %)	No
Manual control spreaders used **	(y/n or %)	Yes
Zero-velocity spreaders used **	(y/n or %)	No
Estimated net reduction or increase in typical year salt/chemical application rate	(±lbs/ln mi. or %)	
Estimated net reduction or increase in typical year sand application rate **	(±lbs/ln mi. or %)	
% of salt/chemical pile(s) covered in storage shed(s)	(%)	100%
Storage shed(s) in design or under construction	(y/n or #)	N
100% of salt/chemical pile(s) covered in storage shed(s) by May 2008	(y/n)	Yes

### Water Supply Protection

Storm water outfalls to public water supplies eliminated or relocated	# or y/n	
Installed or planned treatment BMPs for public drinking water supplies and their protection areas	# or y/n	
<ul style="list-style-type: none"> <li>• Treatment units induce infiltration within 500-feet of a wellhead protection area</li> </ul>	# or y/n	