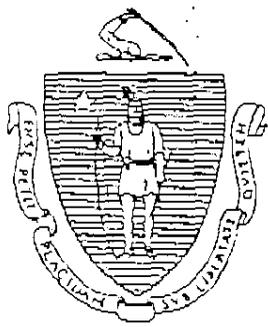


# Fax Transmission



Commonwealth of Massachusetts  
Department of Mental Retardation

THE FERNALD CENTER  
MAINTENANCE DEPARTMENT  
200 TRAPELO ROAD, WALTHAM, MA 02452-6302  
TEL (781) 894-3600 X2450 FAX (781) 398-~~0302~~  
cell (617) 680-3697 0321

TO: ANN Herrick U.S. E.P.A. - REGION 7

FAX NUMBER: 617 918-0560

FROM: Jon Graves, The Fernald Center

DATE: april 30, 2007

NO. OF PAGES (including header): 16

COMMENTS: any questions or comments  
feel free to call.

6/8

Municipality/Organization: D.M.R. The Fernald Center

EPA NPDES Permit Number: MAR 042028

MassDEP Transmittal Number: W-

**Annual Report Number**

**& Reporting Period: April 1, 2006 - March 31, 2007**

## NPDES PII Small MS4 General Permit Annual Report (Due: May 1, 2007)

### Part I. General Information

Contact Person: Jonathan Graves Title: Dir. of Core Services

Telephone #: cell (617) 680-3697 Email: Jon.Graves@State.Ma.US

Mailing Address: 200 Trapelo Road, Waltham, Ma. 02452

### 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: Paul Lawrence

Printed Name: Paul Lawrence

Title: Deputy Facility Director

Date: 4-30-07

Part II. Self-Assessment

The Fernald Center's self assessment has shown that  
The Facility is in compliance with all permit conditions

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 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
Revised	Develop information Bulletin	Jon Graus	Information is distributed to all staff	NONE	Stormwater issues will be incorporated in facility newsletter for general distribution
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 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities - Permit Year 5
Revised	Develop Stormwater Questionair	JAN GRAVES	Questionair is Presented To Support Service Staff	NONE	Questionair and answers will be presented to all staff through facility news letter
Revised	Support Staff Training	JAN GRAVES	Support Staff are Trained in Storm Water Issues	NONE	Support Staff will be retrained and materials will be presented to all staff through facility news letter
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 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities - Permit Year 5
Revised	Grounds Dept + campus police monitor facility for illicit dumping	Jon Graves Paul Birmingham	grounds are clean	no hazardous dumping detected	continue program
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 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 5
Revised	THIS FACILITY HAS BEEN SELECTED FOR CLOSURE - THERE IS NO CONSTRUCTION				
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 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities - Permit Year 5
	N/A				
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 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities - Permit Year 5
Revised	Storm drain cleaning + maintenance	Jon Graves	Storm drains are cleaned and repaired	NONE	work is scheduled to be done July - August 2007
Revised	Street Sweeping	Jon Graves	Streets are swept on a annual basis	Streets were swept this spring	program will continue
Revised	Secondary containment for all hazardous materials is in place	Jon Graves	all diesel and heating oil tanks have 100% secondary containment	all tanks are inspected weekly as part of facility's preventive maintenance program	Program will continue
Revised	Flourescent lamp and ballast recycling program	Jon Graves	all lamps + ballast are collected in a central location and recycled	lamps are properly stored and removed by a licensed vendor	Program will continue
Revised	landscaping and lawn care	Jon Graves	all grounds keeping is chemicle free	no pesticides herbicides or fertilizers used at the facility	Program will continue
Revised	road salt storage	Jon Graves	all storage is indoors	STOCK IS STORED IN DOORS	Program will continue

#### 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 4 (Reliance on non-municipal partners indicated, if any)	Planned Activities - Permit Year 5
	N/a				
Revised					

7a. Additions


7b. WLA Assessment

Part IV. Summary of Information Collected and Analyzed

no sampling done

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, 2006 through March 31, 2007)

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)	(# or %)	
Stormwater management committee established	(y/n)	
Stream teams established or supported	(# or y/n)	
Shoreline clean-up participation or quantity of shoreline miles cleaned **	(y/n or mi.)	
Shoreline cleaned since beginning of permit coverage	(mi.)	
Household Hazardous Waste Collection Days		
▪ days sponsored **	(#)	
▪ community participation **	(# or %)	
▪ material collected **	(tons or gal)	
School curricula implemented	(y/n)	

**Legal/Regulatory**

	In Place Prior to Phase II	Reviewing Existing Authorities	Drafted	Draft in Review	Adopted
<b>Regulatory Mechanism Status (indicate with "X")</b>					
▪ Illicit Discharge Detection & Elimination					
▪ Erosion & Sediment Control					
▪ Post-Development Stormwater Management					
<b>Accompanying Regulation Status (indicate with "X")</b>					
▪ Illicit Discharge Detection & Elimination					
▪ Erosion & Sediment Control					
▪ 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)	(%)	
<b>Mapping method(s)</b>		
▪ 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) **	(#)	
Estimated percentage of construction starts adequately regulated for erosion and sediment control **	(%)	
Site inspections completed **	(# or %)	
Tickets/Stop work orders issued **	(# or %)	
Fines collected **	(# and \$)	
Complaints/concerns received from public **	(#)	

**Post-Development Stormwater Management**

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

**Operations and Maintenance**

Average frequency of catch basin cleaning (non-commercial/non-arterial streets) **	(times/yr)	
Average frequency of catch basin cleaning (commercial/arterial or other critical streets) **	(times/yr)	
Qty of structures cleaned **	(#)	
Qty. of storm drain cleaned **	(%, LF or mi.)	
Qty. of screenings/debris removed from storm sewer infrastructure **	(lbs. or tons)	
Disposal or use of screenings (landfill, POTW, compost, beneficial use, etc.) **	(location)	

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

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

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

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

	(Preferred Units)	Response
Average Ratio of Anti-/De-Icing products used ** (also identify chemicals and ratios used in specific areas, e.g., water supply protection areas)	% NaCl % CaCl <sub>2</sub> % MgCl <sub>2</sub> % CMA % Kac % KCl % Sand	
Pre-wetting techniques utilized **	(y/n or %)	
Manual control spreaders used **	(y/n or %)	
Zero-velocity spreaders used **	(y/n or %)	
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)	(%)	
Storage shed(s) in design or under construction	(y/n or #)	
100% of salt/chemical pile(s) covered in storage shed(s) by May 2008	(y/n)	

**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	