

**Municipality/Organization:** \_\_\_\_\_

**EPA NPDES Permit Number:** \_\_\_\_\_

**MaDEP Transmittal Number:** W- \_\_\_\_\_

**Annual Report Number  
& Reporting Period:** \_\_\_\_\_

**No. 3: March 2005-March 2006**

## NPDES PII Small MS4 General Permit Annual Report

### Part I. General Information

**Contact Person:** Karen Anderson

**Title:** Town Administrator

**Telephone #:** 603-431-7111

**Email:** kanderson@greenland-nh.com

### 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:** Karen M. Anderson

**Title:** Town Administrator

**Date:** November 24, 2006

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

**The Town of Greenland recognizes the importance of the Ms-4 Permit and is working hard to be in compliance with all aspects. After two years of transition in key management positions, progress is being made on most requirements. The public has become involved in the process and has been supportive of funding requests for this purpose.**

**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 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
GN1-001	Participation in Household Hazardous Waste Collection programs	Karen Anderson, Town Administrator	Number of residents participating	Collection was held in the Spring and Fall in cooperation with the City of Portsmouth. 16 Households participated, a 22% increase over previous year. Cost to town \$1,121.12.	Utilize town website to advertise collection and prepare flyers to be distributed at transfer station, noting date and time and importance of proper disposal of hazardous waste.
Revised	<i>Continue participation and improve notifications about HHW Collection dates</i>	Karen Anderson, Town Administrator	Increase in number of residents participating		
GN1-002	Town wide mailing on stormwater management program	Town Administrator	Distribution of 1300 flyers	Flyer was developed and distributed at Transfer Station, at Community Picnic event and posted on the town website.	Increased locations for updated information to be distributed.
Revised	<i>Distribution at specific events to improve quality of distribution.</i>	Karen Anderson Town Administrator	Distribution of 1300 flyers.		
GN1-003	Section in Town Annual Report	Karen Anderson Town Administrator	Publication of page in town report	Information regarding stenciling project and importance of stormwater management was published in annual town report.	Information will continue to be published, with more emphasis placed on the actions residents can take.
Revised					
GN1-004	Participate in stormwater video prepared by RPC if requested.	Planning Board Chairman	Participation as requested.	Video was prepared through grant to Seacoast Stormwater Coalition.	Town does not have capability to broadcast on independent cable channel. Notice of broadcast dates of nearby city can be posted on Greenland website.
Revised	<i>Advertise showings of completed video.</i>				
GN1-005	Include stormwater section on town website when developed.	Karen Anderson Town Administrator		Information is posted on website.	Update information and make efforts to draw residents attention to it.
Revised	<i>Update stormwater section on town website</i>		Annual update of information		

**1a. Additions**

GN1-006	Prepare information on stormwater management activities for local newspapers, focusing on residential activities such as car washing and fertilization of lawns.	Karen Anderson Town Administrator	Press releases published	Information was published requesting volunteers to assist with marking storm drains in local newspapers and conservation organization newsletter. Press releases were published thanking volunteers for their assistance.	

**2. Public Involvement and Participation**

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
GN2-001 Revised	Storm drain stenciling <i>Storm drain marking</i>	Karen Anderson Town Administrator	Marking of storm drains	100% completion of project. Laminated markers were adhered to the curb or grate of all catch basins noting if the outfall drained to the bay or wetlands.	Monitor markers to see if they are all still present and retaining colors/text.
GN2-002 Revised	Public Meeting to discuss program	Board of Selectmen	Holding meeting at last annually.	Stormwater Management is highlighted during the annual public hearing for budget and annual town meeting. Topic was discussed at 6 Board of Selectmen's meetings.	

**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 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
GN3-001	Maintain map of stormwater sewers	Robert Cushman, Building Inspector	Annual update of maps	Maps were updated as each subdivision or drainage change was made.	Continue to update maps and improve accuracy with the requirement that developers provide map changes in a digital format.
Revised					
GN3-002	Review municipal ordinances for means of prohibiting illicit discharges of pollutants to stormwater system	Karen Anderson Town Administrator	Approved ordinances	100% complete, required ordinances are adopted.	Refine ordinances and expand beyond minimum requirements. Continue participation with the Seacoast Stormwater Coalition to stay up to date on regulations and best management practices.
Revised					
Revised					

#### 3a. Additions

GN3-003	Screen outfalls for illicit connections	Health Officer, Town Administrator	Screen all outfalls by Fall 2007	Complete screening outfalls with GPS effort by Fall 2007.	Contract with Rockingham Planning Commission for GPS work as part of Master Plan.

#### 4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
GN4-001	Review municipal land use ordinances for existing control mechanisms; recommend additional measures if warranted.	Building Inspector, Town Administrator	List of ordinances present and list of what may be needed.	Ordinances are in place for run-off control.	Research ordinances in place in other MS 4 communities for improvements that could be made to Greenland's.
Revised					
Revised					

#### 4a. Additions

GN4-004	Establish confidential reporting procedure for residents to report non-compliant activities	Town Administrator, Building Inspector, Health Officer	Establish before publication of 2007 town report		Publish hotline number and prepare form for information to be outlined on, establish action plan on complaints.

**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 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
GN5-001	Review of municipal land use ordinances for existing control mechanisms; recommend additional measures if warranted.	Karen Anderson Town Administrator Robert Cushman, Building Inspector	Inspected new development sites for compliance and determined that Greenland's ordinances were effective.		
Revised					

**5a. Additions**

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**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 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
GN6-001	Clean Catch basins and storm drains annually	Karen Anderson Town Administrator	Catch basins are clean and operating correctly. Cleaning is scheduled and funded.	Catch basin cleaning is contracted annually and was completed in May, 2006.	Greenland will contract for same level of service in 2007.
Revised					
GN6-002	Employee Training Program	Karen Anderson, Town Administrator	Insure adequate training for employees.	The Town of Greenland has two employees involved with stormwater management, the Town Administrator and Building Inspector. Both attend trainings to completely understand the requirements.	Town Administrator will continue attending monthly meetings with the Seacoast Stormwater Coalition, working on a BMP manual and keep up to date on information from the EPA. Materials will be collected and organized to provide reference documents for residents and builders. The Building Inspector will continue to attend meetings to be able to detect violations and insure compliance with existing regulations.
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 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
Revised	N/A				
Revised					
Revised					

**7a. Additions**


**7b. WLA Assessment**

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

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

**Programmatic**

Stormwater management position created/staffed	(y/n)	0
Annual program budget/expenditures	(\$)	\$5,000

**Education, Involvement, and Training**

Estimated number of residents reached by education program(s)	(# or %)	75%
Stormwater management committee established	(y/n)	No
Stream teams established or supported	(# or y/n)	No
Shoreline clean-up participation or quantity of shoreline miles cleaned	(y/n or mi.)	Yes, 100%
<b>Household Hazardous Waste Collection Days</b>		
▪ days sponsored	(#)	2
▪ community participation	(%)	1%
▪ material collected	(tons or gal)	100 gallons
School curricula implemented	(y/n)	No

**Legal/Regulatory**

	In Place Prior to Phase II	Under Review	Drafted	Adopted
<b>Regulatory Mechanism Status (indicate with "X")</b>				
▪ Illicit Discharge Detection & Elimination				X
▪ Erosion & Sediment Control				X
▪ Post-Development Stormwater Management				X
<b>Accompanying Regulation Status (indicate with "X")</b>				
▪ Illicit Discharge Detection & Elimination				X
▪ Erosion & Sediment Control				X
▪ Post-Development Stormwater Management				X

**Mapping and Illicit Discharges**

Outfall mapping complete	(%)	100%
Estimated or actual number of outfalls	(#)	0
System-Wide mapping complete	(%)	100%
<b>Mapping method(s)</b>		
▪ Paper/Mylar	(%)	100%
▪ CADD	(%)	
▪ GIS	(%)	
Outfalls inspected/screened	(# or %)	None
Illicit discharges identified	(#)	None
Illicit connections removed	(#) (est. gpd)	None
% of population on sewer	(%)	0%
% of population on septic systems	(%)	100%

**Construction**

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 %)	None
Fines collected	(# and \$)	None
Complaints/concerns received from public	(#)	1

**Post-Development Stormwater Management**

Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control	(%)	100%
Site inspections completed	(# or %)	100%
Estimated volume of stormwater recharged	(gpy)	unknown

**Operations and Maintenance**

Average frequency of catch basin cleaning (non-commercial/non-arterial streets)	(times/yr)	1
Average frequency of catch basin cleaning (commercial/arterial or other critical streets)	(times/yr)	1
Total number of structures cleaned	(#)	179
Storm drain cleaned	(LF or mi.)	None
Qty. of screenings/debris removed from storm sewer infrastructure	(lbs. or tons)	Undetermined
Disposal or use of sweepings (landfill, POTW, compost, recycle for sand, beneficial use, etc.)		Sandpit for recycling
Cost of screenings disposal	(\$)	0

Average frequency of street sweeping (non-commercial/non-arterial streets)	(times/yr)	0
Average frequency of street sweeping (commercial/arterial or other critical streets)	(times/yr)	0
Qty. of sand/debris collected by sweeping	(lbs. or tons)	N/A
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.)	(location)	N/A
Cost of sweepings disposal	(\$)	N/A
Vacuum street sweepers purchased/leased	(#)	N/A
Vacuum street sweepers specified in contracts	(y/n)	N/A

Reduction in application on public land of: ("N/A" = never used; "100%" = elimination)		
▪ Fertilizers	(lbs. or %)	No change
▪ Herbicides	(lbs. or %)	20%
▪ Pesticides	(lbs. or %)	50%

Anti-/De-Icing products and ratios	% NaCl % CaCl <sub>2</sub> % MgCl <sub>2</sub> % CMA % Kac % KCl % Sand	75% varies depending on weather conditions      25%
Pre-wetting techniques utilized	(y/n)	No
Manual control spreaders used	(y/n)	Yes
Automatic or Zero-velocity spreaders used	(y/n)	No
Estimated net reduction in typical year salt application	(lbs. or %)	Not determined
Salt pile(s) covered in storage shed(s)	(y/n)	Yes
Storage shed(s) in design or under construction	(y/n)	No

## **Watch the LiveCam**

The Ayers Island ospreys hatched two fledglings in early June, which have been growing at the usual, rapid rate. In recent weeks, both the male and the female adult ospreys have been active in hunting to help feed the chicks, which need a lot of food for their growing bodies

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The Green in Greenland:

## **Volunteers Sought for Greenland Storm Drain Project**

Countless gallons of water enter Greenland's 600 catch basins and storm drains every year that drain into Great Bay and other coastal waters.

To help ensure the health of those waters, the town of Greenland is seeking volunteers willing to mark the roadside storm drains and catch basins. The 4-inch decals advise people not to dump waste automotive oil, gasoline, paint or other hazards into the storm drains.

Most people know that they shouldn't dump these things into storm drains, said Greenland Town Administrator Karen Anderson, but a few might not know ... or may not realize such dumping is illegal. The stickers make it clear that no dumping is allowed, and also help people understand where rain water ends up, she said.

The project could take volunteers a few afternoons to complete.

Anyone interested can call Anderson at 603-431-7111.

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N.H. Wildlife Action Plan:

## **Critical Habitats & Associated Species in New Hampshire**

*Note: This is a regular glimpse at the N.H. Fish and Game Department's newly approved Wildlife Action Plan. To learn more about the plan, [click here](#).*

***How does the plan decide what's "critical"? [Click here to find out.](#)***

Lake

Sand Plain/ Pitch Pine

Bald eagle

Karner blue butterfly



A6 • Portsmouth Herald (N.H.) • Monday, October 16, 2006

## Greenland tackles water pollution head-on

GREENLAND — The town has recently completed marking storm drains and catch basins throughout the community.

As part of the town's efforts to educate the public and protect the local waterways, blue and green markers saying, "No Dumping — Drains to Bay," were placed adjacent to catch basins and storm drains to remind the public not to dump any material into the drains.

Greenland is surrounded by

important watershed areas. Storm water flows into the catch basins and then into local brooks and streams and eventually Great Bay, without any treatment, so it is important that only clean water enter the system.

Town Administrator Karen Anderson said she would like to thank Mo Sodini and his daughter, Kristin, as well as the following members of Boy Scout Troop 158 — Tom Brackett, Pierce Gendron, David McNeil

*Volunteers worked to adhere the decals to the storm drains and distributed educational material to homeowners.*

and Braden McNeil — for assisting with the project. The Scouts were led by Tom Brackett and David McNeil. These volunteers worked to adhere the decals to the storm drains and distributed educational material to homeowners. The materials provided suggestions on

how to limit any pollution from reaching the storm drains.

Greenland is one of 38 communities in New Hampshire that have been designated by the Environmental Protection Agency to be regulated under Phase 2 of the Stormwater Management Program.



# PUBLIC WORKS DEPARTMENT

CITY OF PORTSMOUTH

680 Peverly Hill Road

Portsmouth N.H. 03801

(603) 427-1530 FAX (603) 427-1539

June 16, 2006

Karen Anderson  
Town of Greenland  
P.O. Box 100  
Greenland, New Hampshire 03840

Re: Household Hazardous Waste Collection – Spring 2006

Dear Ms. Anderson,

As you are aware, on May 6, 2006, we hosted the bi-annual Household Hazardous Waste (HHW) collection event. A total of 177 cars attended representing 198 households. 16 of those attending were from Newington. At an average cost of \$70.07 per vehicle, the Town of Greenland's cost for collection and disposal amounts to \$1,121.12. We would appreciate if you would send a check to the below signed, made out to the City of Portsmouth at your earliest convenience. For your information, we enclose a copy of expenses and sources of revenue as well as a copy of the survey and compilation of the survey results.

You may have noticed from the expense sheet, that the State of New Hampshire Department of Environmental Services (NHDES) did not share in the distribution of the expense. You may also recall, we had advised you that NHDES was facing a short fall of funds. Portsmouth was not a recipient of the grant for its Spring HHW collection event, nor for the Fall 2006 HHW collection event. Fortunately, Greenland's expenses were not greatly impacted. Greenland paid \$887.64 for 13 households for the Fall '05 event, when DES did authorize grant money. The difference in cost between the two events is \$233.48. Not a significant amount.

The City of Portsmouth feels this is an important endeavor and has opted to continue sponsoring the events. The next event is scheduled for October 14, 2006. Bea Marconi committed Greenland to participate via a letter of commitment dated January 19, 2005. In light of the grant funding issue, kindly reconfirm Greenland's willingness/interest to participate.

Should you have any concerns, please advise. I can be reached at 603-766-1454.

Sincerely,

Silke Psula  
Solid Waste Coordinator

Question 1	GREENLAND					
WHAT COMMUNITY?	One	Two	Three	Four	4+	Other
Question 2 How many households do you represent?  (14 cars representing 16 homes)						
	12	2				
Question 3 Do you have any additional hazardous materials in your home, which you do not know how to dispose of properly?	Yes	No	Not Sure	What Types? latex paint batteries		
	1	12	1			
Question 4 How often do you need to dispose of hhw?	Once/Yr	Twice/Yr	2+ a yr	Other as needed		
	10	3				
Question 5 Would you prefer the ability to dispose of hazardous waste throughout the year verses at collection events exclusively?	Yes	No	Not Sure			
	8	4	2			
Question 6 How did you hear about this collection?	Flyer	Newspaper	Radio	School Kids	Word of Mouth	
	1	8	2			
	City's E-Newsletter 1	Other greenland dump phoned dpw web				



# Town of Greenland

575 Portsmouth Avenue

Post Office Box 100

Greenland, New Hampshire 03840-0100

Voice: 603-431-7111 · Fax: 603-430-3761

FROM THE OFFICE OF:

- SELECTMEN
- TOWN CLERK
- TAX COLLECTOR
- PLANNING BOARD
- BOARD OF ADJUSTMENT
- TOWN ADMINISTRATOR
- BUILDING INSPECTOR
- \_\_\_\_\_

## HOUSEHOLD HAZARDOUS WASTE COLLECTION PROJECT

The community of Greenland hereby commits to participate and cooperate with the City of Portsmouth in a Household Hazardous Waste Collection Project once in the Spring 2007.

The community hereby grants Silke Psula, the City of Portsmouth's Solid Waste Coordinator, the authority to represent the community in organizing the collection project.

The Town of Greenland has appropriated \$ 5,000 for the purpose of allowing all residents of the community access to the Household Hazardous Waste Collection Project.

Karen M. Anderson  
Authorized Agent

Town of Greenland, New Hampshire

November 22, 2006

# GREENLAND TRANSFER STATION SPECIAL COLLECTIONS!!

Back by popular demand .....

## ELECTRONICS – APRIL 8<sup>TH</sup> & APRIL 12<sup>TH</sup>



RESIDENTS may bring any electronic items (computers, monitors, microwaves, televisions, etc.) to the Transfer Station on April 8<sup>th</sup> or April 12<sup>th</sup> for disposal. There will be a fee of \$5.00 per item to cover the cost of the special container.

## MATTRESSES – FURNITURE – APRIL 22<sup>ND</sup>



RESIDENTS may bring any “stuffed” or bulky items (mattresses, stuffed chairs, sofas, etc.) to the Transfer Station on April 22<sup>nd</sup> for disposal. There will be a fee of \$10.00 per item to cover the cost of the special container.