

Municipality/Organization: Town of Groveland

EPA NPDES Permit Number: MA041195

MaDEP Transmittal Number: W-035834

**Annual Report Number
& Reporting Period:** No. 8: March 2010-March 2011

NPDES PII Small MS4 General Permit Annual Report

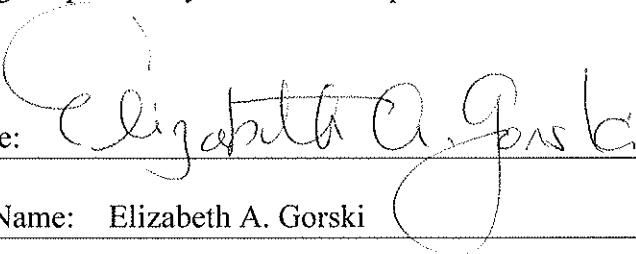
Part I. General Information

Contact Person: Elizabeth A. Gorski **Title:** Chairman – Board of Selectmen

Telephone #: 978-556-7200 ext. 207 **Email:** selectmen@grovelandma.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: Elizabeth A. Gorski

Title: Chairman – Board of Selectmen

Date: May 1, 2012

Part II. Self-Assessment

- Stormwater Committee met and discussed funding sources and required funding for the reporting period
- A compost site located at the Highway Department received a permit from MA DEP for 2011. All catchbasin screenings and debris and all street sweepings are to be used for compost. The compost is to be used as loam for town property and road sides.
- Use of NaCl and liquid Ice-Ban for roadways for reporting period. Sand used only for steep hills, curves and designated low salt areas.

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 – Permit Year 9 |
|-----------------|------------------------------|--------------------------------------|---------------------------------|--|--|
| 1A Revised | Public Education Seminars | Board of Selectmen | Number per year | Stormwater Committee met one time in year 8. Meeting open to the public. | Stormwater Committee to hold meetings as required. |
| 1B Revised | Storm water education flyers | Board of Selectmen | Number of flyers dist. per year | No flyers distributed this period. | Committee will evaluate whether additional mailings are justified. |
| 1C Revised | Storm water web page | Board of Selectmen | Number of web page visits | Stormwater Committee informational web page being maintained | Continue monitoring and maintenance. |
| 1D Revised | Local cable station campaign | Board of Selectmen | Number of times shown | None this period. | Determine feasibility of cable campaign for next period. |

1a. Additions

| | | | | | |
|--|--|--|--|--|--|
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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 – Permit Year 9 |
|---------------|--|-------------------------------|-----------------------------------|---|---|
| 2A Revised | Comment & Q&A at seminars. <i>Present annual report to Board of Selectmen</i> | Board of Selectmen | Document concerns & respond | None to date | Hold informational session |
| 2B Revised | Volunteer cleanup & monitoring | Board of Selectmen | # of volunteers & accomplishments | None to date | Determine additional groups to hold “Stream cleanup days”. It is anticipated that the Boy Scouts will volunteer |
| 2C Revised | Local business partnerships | Board of Selectmen | # per year & accomplishments | None to date | None planned |

2a. Additions

| | | | | | |
|----|------------------------|--------------------|----------------------------|------------------|---|
| 2D | Storm Drain Stenciling | Board of Selectmen | Number of drains stenciled | None this period | Evaluate the need to re-stencil in permit year 9. |
| | | | | | |

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 – Permit Year 9 |
|---------------|--|-------------------------------|------------------------------------|--|---|
| 3A Revised | Storm Drain System Map | Board of Selectmen | Percent of System Mapped | Storm Drain map partially complete | Up-date and complete map as needed. |
| 3B Revised | Ordinance prohibiting illicit discharges | Board of Selectmen | Adoption of ordinance | Bylaw being reviewed | Bylaw to be adopted at Fall Town Meeting. |
| 3C Revised | Plan to detect illicit discharges | Board of Selectmen | # of illicit discharges identified | Ongoing observation by DPW Personnel | Ongoing observation by DPW personnel |

3a. Additions

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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 – Permit Year 9 |
|---------------|--|-------------------------------|-----------------------|--|------------------------------------|
| 4A Revised | Ordinance for erosion & sediment control at construction sites | Board of Selectmen | Adoption of ordinance | Bylaw in place | None. |

4a. Additions

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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 -- Permit Year 9 |
|----------|---|-------------------------------|--|--|-------------------------------------|
| 5A | Enforce MA DEP WPA Storm water management policy on sites > 1 ac. | Board of Selectmen | Adoption of Site Plan review Zoning By-Law | All new subdivisions and site plans comply with MA DEP WPA Stormwater Management Policy | Maintain conformance |
| Revised | | | | | |

5a. Additions

| | | | | | |
|----|--|--------------------|-----------------------------|-----------------------------|-------------------|
| 5B | Ordinance for post stormwater management | Board of Selectmen | Adoption of ordinance | Bylaw in place | None. |
| 5C | Low Impact Development stormwater management incorporated into subdivision regulations | Planning board | Adoption of new regulations | Regulations being reviewed. | Adopt regulations |

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 – Permit Year 9 |
|---------------|-------------------------------------|---------------------------------|--|--|------------------------------------|
| 6A Revised | Develop municipal O&M plan | Office of the Road Commissioner | # of structures/streets cleaned, amount of employee training | Main arterials are swept and catchbasins cleaned twice/year. Non-arterials are swept and catchbasins cleaned once/year. | Maintain O&M |
| 6B Revised | Upgrade inadequate drainage systems | Office of the Road Commissioner | Number of upgrades per year | New drainage improvements on Broad Street – 6 new catch basins | Maintain O&M |

6a. Additions

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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 – Permit Year 9 |
|----------|-----------------|-------------------------------|--------------------|--|------------------------------------|
| Revised | | | | | |

7a. Additions

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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) | |
| Annual program budget/expenditures | (\$) | |
| | | |
| | | |

Education, Involvement, and Training

| | | |
|---|---------------|-----|
| Estimated number of residents reached by education program(s) | (# or %) | |
| Stormwater management committee established | (y/n) | Yes |
| Stream teams established or supported | (# or y/n) | |
| Shoreline clean-up participation or quantity of shoreline miles cleaned | (y/n or mi.) | |
| Household Hazardous Waste Collection Days | | |
| ▪ days sponsored | (#) | |
| ▪ community participation | (%) | |
| ▪ material collected | (tons or gal) | |
| School curricula implemented | (y/n) | |

Legal/Regulatory

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

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|--|--|
| Accompanying Regulation Status (indicate with "X") | |
| ▪ Illicit Discharge Detection & Elimination | |
| ▪ Erosion & Sediment Control | |
| ▪ Post-Development Stormwater Management | |

Mapping and Illicit Discharges

| | |
|--|------------|
| Outfall mapping complete | (%) |
| Estimated or actual number of outfalls | (#) |
| System-Wide mapping complete | (%) |
| Mapping method(s) | |
| ▪ Paper/Mylar | (%) |
| ▪ CADD | (%) |
| ▪ GIS | (%) |
| Outfalls inspected/screened | (# or %) |
| Illicit discharges identified | (#) |
| Illicit connections removed | (#) |
| % of population on sewer | (est. gpd) |
| % of population on septic systems | (%) |
| | |
| | |

Construction

| | |
|---|------------|
| 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 completed | (# or %) |
| Estimated volume of stormwater recharged | (gpy) |
| | |
| | |

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) |
| Total number of structures cleaned | (#) |
| Storm drain cleaned | (LF or mi.) |
| Qty. of screenings/debris removed from storm sewer infrastructure | (lbs. or tons) |
| Disposal or use of sweepings (landfill, POTW, compost, recycle for sand, beneficial use, etc.) | |
| Cost of screenings disposal | (\$) |
| | |
| | |

| | |
|--|----------------|
| 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) |
| Cost of sweepings disposal | (\$) |
| Vacuum street sweepers purchased/leased | (#) |
| Vacuum street sweepers specified in contracts | (y/n) |
| | |
| | |

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

| | |
|--|-------------|
| ▪ Fertilizers | (lbs. or %) |
| ▪ Herbicides | (lbs. or %) |
| ▪ Pesticides | (lbs. or %) |
| *Only used by turf management professionals for town ballfields. | |

| | |
|--|---|
| Anti-/De-Icing products and ratios | % NaCl % CaCl ₂ % MgCl ₂ % CMA % Kac % KCl % Sand |
| Pre-wetting techniques utilized | (y/n) |
| Manual control spreaders used | (y/n) |
| Automatic or Zero-velocity spreaders used | (y/n) |
| Estimated net reduction in typical year salt application | (lbs. or %) |
| Salt pile(s) covered in storage shed(s) | (y/n) |
| Storage shed(s) in design or under construction | (y/n) |