

**Municipality/Organization:** Town of Rye NH

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**EPA NPDES Permit Number:** NHR041030

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**MaDEP Transmittal Number:**

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**Annual Report Number**

**& Reporting Period:** No. 1: March 07 - March 08

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## NPDES PII Small MS4 General Permit Annual Report

### Part I. General Information

Contact Person: Everett (Bud) Jordan

Title: Public Works Director

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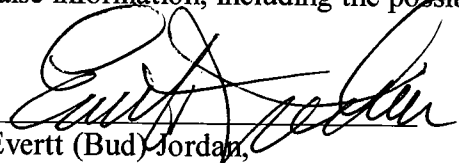
Telephone #: (603)964-5300

Email: bjordan@town.rye.nh.us

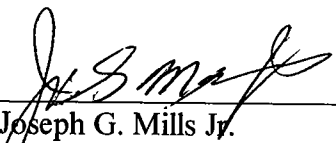
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#### Certification:

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.

  
Everett (Bud) Jordan,  
Department of Public Works Director

3-17-08  
Date

  
Joseph G. Mills Jr.  
Selectman Chair

3-17-08  
Date

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

1 Not applicable this year. Past monies were part of a Grant.

## **Part III. Summary of Minimum Control Measures**

### **1. Public Education and Outreach**

| <b>BMP ID #</b> | <b>BMP Description</b>                          | <b>Responsible Dept./Person Name</b> | <b>Measurable Goal(s)</b> | <b>Progress on Goal(s) – Permit Year 1<br/>(Reliance on non-municipal partners indicated, if any)</b>                                 |
|-----------------|-------------------------------------------------|--------------------------------------|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| 1               | Articles in Town Newsletter & Website           | Pub Wks/Bud Jordan                   | Twice per year            | – Please clean C/B in front office.                                                                                                   |
| Revised         |                                                 |                                      |                           |                                                                                                                                       |
| 2               | Road stencils for drains                        | Pub Wks/Bud Jordan                   | 100 per year/each year    | 100 to be done this year. And another 100 in 2008                                                                                     |
| Revised         |                                                 |                                      |                           |                                                                                                                                       |
| 3               | Develop educational resources                   | Pub Wks/Bud Jordan                   | One per year              | Ongoing – Reading to Elementary Classes                                                                                               |
| Revised         |                                                 |                                      |                           |                                                                                                                                       |
| 4               | Pet Waste management                            | Pub Wks/Bud Jordan                   | Dog licenses/annual       | Small Quantities in with trash – Signs posted to ask all pet owners to pick up waste                                                  |
| Revised         |                                                 |                                      |                           |                                                                                                                                       |
| 5               | Show UNH Video                                  | Pub Wks/Bud Jordan                   | Once per year             | Show video to all new workers                                                                                                         |
| Revised         |                                                 |                                      |                           |                                                                                                                                       |
| 6               | Outreach in Rye school system                   | Pub Wks/Bud Jordan                   | Twice per year            | Elementary School System curriculum on demonstrating how to recycle. They are Recycling better at the schools than homes and parents. |
| Revised         |                                                 |                                      |                           |                                                                                                                                       |
| 7               | Public info on treating mosquitoes/catch basins | Pub Wks/Bud Jordan                   | Twice per year            | As needed by testing                                                                                                                  |
| Revised         |                                                 |                                      |                           |                                                                                                                                       |
| 8               | Door hangers for info on catch basins           | Pub Wks/Bud Jordan                   | Once per year             | When cleaning C/B Hanger info                                                                                                         |
| Revised         |                                                 |                                      |                           |                                                                                                                                       |

## 2. Public Involvement and Participation

| <b>BMP ID #</b> | <b>BMP Description</b>                   | <b>Responsible Dept./Person Name</b> | <b>Measurable Goal(s)</b>      | <b>Planned Activities – Progress on Goal(s) – Permit Year 2007</b><br>(Reliance on non-municipal partners indicated, if any) |
|-----------------|------------------------------------------|--------------------------------------|--------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| 9<br>Revised    | Community Cleanups                       | Pub Wks/Bud Jordan                   | Boy/Girl Scouts, once per year | Boy Scout/Girl Scout –Outreach and Correctional Facility Clean up of beaches– 5 people 3 to 4 days                           |
| 10<br>Revised   | Storm Drain Stenciling                   | Pub Wks/Bud Jordan                   | Once per year                  | Paint Arrows ongoing -Repaint arrows 5' out in pavement                                                                      |
| 11<br>Revised   | Meet with Seacoast Storm Water Coalition | Pub Wks/Bud Jordan                   | Twice per year                 | Coalition to meet four (4) times in 2008                                                                                     |
| Revised 11.1    | Public Hearing w/Planning Board          | Pub Wks/Bud Jordan                   | Once                           | After Coalition has manual                                                                                                   |

## 3. Illicit Discharge Detection and Elimination

| <b>BMP ID #</b> | <b>BMP Description</b>           | <b>Responsible Dept./Person Name</b> | <b>Measurable Goal(s)</b> | <b>Progress on Goal(s) – Planned Activities – Permit Year 2007</b><br>(Reliance on non-municipal partners indicated, if any) |
|-----------------|----------------------------------|--------------------------------------|---------------------------|------------------------------------------------------------------------------------------------------------------------------|
| 12<br>Revised   | Public information               | Pub Wks/Bud Jordan                   | Every two years           | Door hangers ongoing info                                                                                                    |
| 13<br>Revised   | Remove Known illicit connections | Pub Wks/Bud Jordan                   | Ongoing                   | As we clean, 10 Strategic Testing sites of E-Coli, Next scheduled in April. See Attached testing sheet.                      |
| 14<br>Revised   | Review town ordinances           | Pub Wks/Bud Jordan                   | Annually                  | Ongoing                                                                                                                      |

### **Note:**

**We have partnered with other N.H. Seacoast towns to create manual Guidelines BMP and Standard Operating Procedures – Good Housekeeping for Storm water Phase # II. The Manuals will be appropriate for all Phase II Towns in N.H. – (See Column 11.)**

#### 4. Construction Site Stormwater Runoff Control

| BMP ID # | BMP Description                                                                      | Responsible Dept./Person Name | Measurable Goal(s) | Progress on Goal(s) – Planned Activities – Permit Year 2007<br>(Reliance on non-municipal partners indicated, if any) |
|----------|--------------------------------------------------------------------------------------|-------------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------|
| 15       | Enforce Land Development Regulations Section 604 & 605 Surface Water Management Stds | Pub Wks/Bud Jordan            | Ongoing            | Ongoing                                                                                                               |
| Revised  |                                                                                      |                               |                    |                                                                                                                       |

#### 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) – Planned Activities – Permit Year 2007<br>(Reliance on non-municipal partners indicated, if any) |
|----------|------------------------------------------------|-------------------------------|-------------------------|-----------------------------------------------------------------------------------------------------------------------|
| 16       | Enforce LDR Sec 708 Inspection of Construction | Pub Wks/Bud Jordan            | Ongoing/per application | Ongoing                                                                                                               |
| Revised  |                                                |                               |                         |                                                                                                                       |

#### 6. Pollution Prevention and Good Housekeeping in Municipal Operations

| BMP ID # | BMP Description             | Responsible Dept./Person Name | Measurable Goal(s)      | Progress on Goal(s) – Planned Activities – Permit Year 2007<br>(Reliance on non-municipal partners indicated, if any)                                                             |
|----------|-----------------------------|-------------------------------|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 17       | Clean catch basins          | Pub Wks/Bud Jordan            | Rotate throughout town  | Clean 300 in 2008 – Checking others for sediment.                                                                                                                                 |
| Revised  |                             |                               |                         |                                                                                                                                                                                   |
| 18       | Street sweeping             | Pub Wks/Bud Jordan            | Spring/Fall             | Approximately 40 to 60 Hours                                                                                                                                                      |
| Revised  |                             |                               |                         |                                                                                                                                                                                   |
| 19       | Spill response & prevention | Pub Wks/Bud Jordan            | Ongoing training/annual | Training at Recycling Station with Fuel on Site and Spill Prevention and Counter measurement Plan Project # 923.48.02 with Safety Meeting with our OEST Engineer to update manual |
| Revised  |                             |                               |                         |                                                                                                                                                                                   |

|         |                                                            |                                       |                       |                                   |
|---------|------------------------------------------------------------|---------------------------------------|-----------------------|-----------------------------------|
| 20      | Continue with DES monitoring of stormwater events for TMDL | John Elsdon                           | Ended early 2004      | Completed Project                 |
| 21      | Salt March Restoration Project                             | Conservation Commission and Selectmen | Ongoing               | Ongoing                           |
| Revised |                                                            |                                       |                       |                                   |
| 22      | Develop nonpoint program                                   | Pub Wks/Bud Jordan                    | 3-5 years             | None                              |
| Revised |                                                            |                                       |                       | Ongoing                           |
| 23      | Continue update of storm drainage system                   | Pub Wks/Bud Jordan                    | Ongoing/every 2 years | This year we have GPS on each C/B |
| Revised |                                                            |                                       |                       |                                   |

**6a. Additions**

**7. BMPs for Meeting Total Maximum Daily Load (TMDL) Waste Load Allocations (WLA)**

| BMP ID # | BMP Description                | Responsible Dept./Person Name | Measurable Goal(s) | Progress on Goal(s) – Planned Activities – Permit Year 2007<br>(Reliance on non-municipal partners indicated, if any) |
|----------|--------------------------------|-------------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------|
| Revised  | Rename Water Direction of Flow | Bud Jordan – DPW Director     |                    | Illustration of which Brook, Bog or Marsh these flow/run into                                                         |

**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) | Yes – B. Jordan and Roy Lee Hill |
| Annual program budget/expenditures             | (\$)  | On Going Pay By Public Works     |

## Education, Involvement, and Training

|                                                                                                                                                                   |               |                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------------------------|
| Estimated number of residents reached by education program(s)                                                                                                     | (# or %)      | 50%                              |
| Stormwater management committee established                                                                                                                       | (y/n)         | Yes – B. Jordan and Roy Lee Hill |
| Stream teams established or supported                                                                                                                             | (# or y/n)    | No                               |
| Shoreline clean-up participation or quantity of shoreline miles cleaned<br>We have 44 miles of ditch line (started to clean all – approximately 3 miles this yr.) | (y/n or mi.)  | 3 Miles                          |
| Household Hazardous Waste Collection Days                                                                                                                         |               |                                  |
| ▪ days sponsored                                                                                                                                                  | (#)           | 2                                |
| ▪ community participation                                                                                                                                         | (%)           | 10% (50-60 homes)                |
| ▪ material collected                                                                                                                                              | (tons or gal) | 2 tons                           |
| School curricula implemented                                                                                                                                      | (y/n)         | Yes                              |
|                                                                                                                                                                   |               |                                  |
|                                                                                                                                                                   |               |                                  |

## Legal/Regulatory

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

## Mapping and Illicit Discharges

|                                        |     |      |
|----------------------------------------|-----|------|
| Outfall mapping complete               | (%) | 100  |
| Estimated or actual number of outfalls | (#) | 31   |
| System-Wide mapping complete           | (%) | 100  |
| Mapping method(s)                      |     |      |
| ▪ Paper/Mylar                          | (%) | 2008 |
| ▪ CADD                                 | (%) | 2008 |

|                                   |                    |      |
|-----------------------------------|--------------------|------|
| ▪ GIS                             | (%)                | 100  |
| Outfalls inspected/screened       | (# or %)           | 2008 |
| Illicit discharges identified     | (#)                |      |
| Illicit connections removed       | (# )<br>(est. gpd) |      |
| % of population on sewer          | (%)                | 10%  |
| % of population on septic systems | (%)                | 90%  |
|                                   |                    |      |
|                                   |                    |      |

### **Construction**

|                                                                                                   |            |     |
|---------------------------------------------------------------------------------------------------|------------|-----|
| Number of construction starts (>1-acre)                                                           | (#)        | 10  |
| Estimated percentage of construction starts adequately regulated for erosion and sediment control | (%)        | 100 |
| Site inspections completed                                                                        | (# or %)   | 100 |
| Tickets/Stop work orders issued                                                                   | (# or %)   |     |
| Fines collected                                                                                   | (# and \$) |     |
| Complaints/concerns received from public                                                          | (#)        | 0   |
|                                                                                                   |            |     |
|                                                                                                   |            |     |

### **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)    |     |
|                                                                                                                          |          |     |
|                                                                                                                          |          |     |

### **Operations and Maintenance (Catch Basins, Culverts and Drainage Ditches)**

|                                                                                           |                |          |
|-------------------------------------------------------------------------------------------|----------------|----------|
| Average frequency of catch basin cleaning (non-commercial/non-arterial streets)           | (times/yr)     | 2        |
| Average frequency of catch basin cleaning (commercial/arterial or other critical streets) | (times/yr)     | 2        |
| Total number of structures cleaned                                                        | (#)            | 300 +c/b |
| Storm drain cleaned                                                                       | (LF or mi.)    | 700 lf   |
| Qty. of screenings/debris removed from storm sewer infrastructure and Beaver Dams.        | (lbs. or tons) | 75 Tons  |
| Cost of pumping and flushing                                                              | (\$)           | \$9,500  |
|                                                                                           |                |          |

|                                                                                      |                |            |
|--------------------------------------------------------------------------------------|----------------|------------|
| <b>Operations and Maintenance (Street Sweeping)</b>                                  | (times/yr)     | 1          |
| Average frequency of street sweeping (non-commercial/non-arterial streets)           |                |            |
| Average frequency of street sweeping (commercial/arterial or other critical streets) | (times/yr)     | 1          |
| Qty. of sand/debris collected by sweeping                                            | (lbs. or tons) | 200 tons   |
| Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.)                | (location)     | Pub. Works |
| Cost of sweepings disposal                                                           | (\$)           | \$9,000    |
| Vacuum street sweepers purchased/leased                                              | (#)            | 1          |
| Vacuum street sweepers specified in contracts                                        | (y/n)          | no         |
|                                                                                      |                |            |
|                                                                                      |                |            |

|                                                                                        |             |     |
|----------------------------------------------------------------------------------------|-------------|-----|
| Reduction 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 |
|                                                                                        |             |     |
|                                                                                        |             |     |

|                                                          |                                                                                           |                                     |
|----------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------|
| Anti-/De-Icing products and ratios                       | % NaCl<br>% CaCl <sub>2</sub><br>% MgCl <sub>2</sub><br>% CMA<br>% Kac<br>% KCl<br>% Sand | 1200 tons salt<br>2500 tons of sand |
| Pre-wetting techniques utilized                          | (y/n)                                                                                     |                                     |
| Manual control spreaders used                            | (y/n)                                                                                     | yes                                 |
| 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)                                                                                     | 200 tons                            |
| Storage shed(s) in design or under construction          | (y/n)                                                                                     | yes                                 |