

# **Riverton Borough**

## **Stormwater Pollution Prevention (SPPP) Plan**

**March, 2005  
Revised, June, 2009**

**Prepared By:**

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## I. Executive Summary

Remington, Vernick & Arango Engineers was authorized by Riverton Borough to provide Year 1 services for the Borough's compliance with the New Jersey Municipal Separate Storm Sewer System (MS4) regulations.

As part of our services, we performed an audit of the facility, including site inspection and interviews with Borough personnel. Using this information, and data obtained from the facility, the enclosed Stormwater Pollution Prevention Plan (SPPP) was prepared (**Appendix A of report**). The SPPP plan was prepared using forms prepared by the NJDEP and contained in the NJDEP's "**Tier A Stormwater Guidance Document**", published April, 2004.

In accordance with the Borough's 2009 permit renewal, the following amendments were made to the Borough's SPPP:

- Permit revisions and compliance with various milestones contained within the original MS4 Permit.
- Updates to the Local Education program.
- Updates to Stormdrain inlet labeling.
- Updates to Illicit connections investigations.
- Updates to ordinance requirements (refuse containers, private storm drain retrofits).
- Updates to municipal storm drain retrofits.
- Updates to street sweeping and road erosion maintenance.
- Updates to outfall pipe stream scouring remediation.
- Updates to employee training.

The SPPP Plan itself is comprised of seventeen (17) SPPP Forms, Sample maintenance and reporting logs, and Standard Operating Procedures (SOP's) as prepared for applicable Fueling Operations, Vehicle Maintenance and Good Housekeeping practices as performed by the Borough. These forms must be updated over time as the City achieves compliance with various MS4 obligations, and as operations and personnel change. The Borough will be provided an electronic copy of the forms for maintenance purposes.

Enclosed in **Appendix C** of this report is an annual certification and reporting form that must be completed by the Borough and sent to the NJDEP. **The initial certification is due May 2, 2005.** As indicated on the form, it is understood that most the items listed will be not applicable, or

incomplete with the initial certification. An electronic version of this certification is also available at the following address:

[http://www.njstormwater.org/tier\\_A/forms.htm](http://www.njstormwater.org/tier_A/forms.htm)

Also enclosed (**Appendices D and E**) are copies of two (2) pamphlets that must be distributed and/or mailed to residents – the Public Education Pamphlet and the Pet Waste Pamphlet. Color and black-and-white copies of these materials are also available on-line at the following address:

[http://www.njstormwater.org/tier\\_A/edu\\_fliers.htm](http://www.njstormwater.org/tier_A/edu_fliers.htm)

**The following is a summary of Riverton’s MS4 permit obligations and associated timetables:**

**Table 1  
MS4 Compliance Summary and Associated Timetables**

<b>Regulatory Timetables</b>	<b>Task</b>	<b>Refer to SPPP form(s)/other</b>
4/1/2005--5/1/05	Adopt, File (draft) Stormwater Management Plan with the County	SPPP Form 3
5/2/2005 (and annually)	File initial Annual Certification and Reporting Form with the NJDEP	Appendix C
4/1/05--3/31/06 and annual	Mail initial, and annual, public education pamphlet by NJDEP. Make same materials available for distribution at one (1) annual municipal event.	SPPP Form 4, education pamphlet copy in Appendix D
4/1/2005 and ongoing	Begin monthly street sweeping, and monthly reporting, of Municipal streets meeting MS4 street sweeping requirements	SPPP Form 12 and Sample Street Sweeping Log
4/1/2005 and ongoing	Begin annual inspection, reporting & repair (if necessary) of municipally-owned or operated stormwater facilities, including inlet cleaning.	SPPP Form 13
4/1/2005 and ongoing	Implement applicable Fueling Facility, Vehicle Maintenance, and Maintenance Yard Good Housekeeping & SOP Procedures in accordance with the SPPP	Form 16 and SOP Attachments
4/1/05 and ongoing	Retrofit inlet grates during repairs, reconstruction, also new construction	SPPP Forms 3,11, and <i>Attachment C of MS4 Permit</i>
10/1/2005 and ongoing	Adopt & enforce improper disposal of waste ordinances (including pet waste handouts with pet licenses)	SPPP Form 10, pet waste pamphlet copy in Appendix E
10/1/05 and ongoing	Implement Yard Waste Collection Program	SPPP Forms 9, 10
10/1/2005 and ongoing	Begin annual inspection, reporting and repair (if necessary) of municipally-owned roadside facilities	SPPP Form 12 and Sample Roadside Erosion Maintenance Log

10/1/2005-3/31/09	Complete outfall inspections for evidence of illicit connections.	SPPP Forms 7,8, and Attachment B of MS4 Permit
4/1/05 -- 4/1/07	First 50% of inlets labeled (Sector 1--East of 10 <sup>th</sup> St)	SPPP Form 5

**Table 1**  
**MS4 Compliance Summary and Associated**  
**Timetables**

<b>Regulatory Timetables, continued</b>	<b>Task</b>	<b>Refer to SPPP form(s)/other</b>
4/1/05 -- 4/1/07	Comply with interim deicing storage standards (i.e., tarping)	SPPP Form 15
4/1/05 -- 4/1/07	Map outfalls discharging into waterways (Sector 1 -- East of 10 <sup>th</sup> Street)	SPPP Form 6
4/1/07 and ongoing	Comply with permanent deicing storage standards (enclosed structure, impermeable floor)	SPPP Form 15
4/1/07 -- 4/1/09	Remaining 50% of inlets labeled (Sector 2 -- West of 10th street).	SPPP Form 5
4/1/07 -- 4/1/09	Map outfalls discharging into waterways (Sector 2 -- West of 10 <sup>th</sup> Street)	SPPP Form 6

## II. Municipal Audit

The following information was provided from a December, 2004 interview of Scott Reid, Director of Public Works and audit of the DPW facility:

### A. Storm Drain Inlet Labeling

The Borough will label all inlets by April, 2009, 50% by April, 2007. The Borough will identify Sector 1 (work by April, 2007) as area west of North Broad Street. Sector 2 (work by April, 2009) will be area east of South Broad Street.

### B. Outfall Mapping

The Borough will map all outfalls discharging into waterways per Sectors 1,2, timetables (50% by 2007, 50% by 2009) identified for stormwater labeling (1) above. Minimum requirement, per the MS4 regulations, is to show approximate location on tax maps/100-scale mapping.

### C. Illicit Connections

All outfalls will have to be inspected, beginning October, 2005 (18 months from the Effective Date of Permit Authorization, EDPA) for evidence of illicit connections (i.e., for pipe discharges after dry weather events). Dry weather is defined as no significant rain for at least 3 days. Some discharges (sump pumps, street cleaning, residential car washing, etc.). Inspections must be completed by April, 2009. Illicit connections, if any, have to be reported and prioritized for elimination. **Refer to Attachment B of the Tier A permit for specific methodology.**

### D. Yard Waste Collection

There is an MS4 requirement, beginning 10/05, to either pass an ordinance prohibiting (deliberately) placing non-containerized leaves, yard waste on street, OR collect monthly October, November, December, and once in Spring. Riverton Borough has an existing yard waste collection program that complies with these requirements.

### E. Street Sweeping

Beginning **April, 2005**, there is a requirement for monthly sweeping of **select** Borough Streets, weather and street surfaces permitting, which meet **all** of the following criteria:

- **Commercial (non-residential) only.**
- **City owned and operated.**
- **Curbed streets roads and highways.**
- **Speed limit of 35 mph or less.**

Currently, the entire Borough is swept at least once per month, exceeding these requirements.

#### **F. Stormwater Facility Maintenance**

Beginning April, 2005, all facilities must be inspected, maintained and/or repaired as necessary (e.g., cleaned or repaired as necessary to maintain functioning of systems). The “System” **only** includes stormwater infrastructure **owned and maintained** by municipality.

Riverton will meet the minimum standard.

#### **G. Outfall Pipe Remediation**

The Borough will map and inspect all of its outfalls discharging into waterways per Sectors 1,2, timetables (50% by 2007, 50% by 2009) identified for stormwater labeling (1) above. Where repairs are necessary (e.g., for downstream erosion), the Borough will prioritize, schedule repairs.

#### **H. De-icing material storage**

For salt storage between 2005 and April, 2007, must be in a fully enclosed structure, impermeable floor **or** use seasonal tarping of salt piles. All salt storage **after April, 2007** must be in a fully enclosed structure with an impermeable floor. Salt is currently stored at the DPW/Sewer Plant site in the former trickling filter. The salt is tarped, meeting the interim standards. A new (or upgraded) structure for salt storage will be necessary after April, 2007.

#### **I. Standard Operating Procedures (SOP's)**

**Applicable Good Housekeeping practices will be implemented April, 2005.**

#### **J. Employee Training Requirements**

**The Borough will conduct annual Employee Training on its MS4 obligations. The first annual training will occur between 4/1/05 and 4/1/06.**

