

**STORM WATER POLLUTION
PREVENTION PLAN (SWP3)**

for

**Rowe Concrete- Spotsylvania Facility
8520 Indian Hills Ct.
Fredericksburg, VA 22407**

**Prepared for:
Chaney Enterprises
2400 Evergreen Road
Gambrills, MD 21054**

**Prepared by:
Tedd Conner, General Manager
EcoDepot, LLC
2621 Brickhead Road
Gambrills, MD 21054**

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1. INTRODUCTION

Business Office Location: 8520 Indian Hills Ct.,
Fredericksburg, VA 22407

Primary Emergency Contact

Name: Jim Valentine
Title: Plants/ Environmental Manager
Office Number: (410) 793-0665
Cell: (443) 520-8872
Fax: (410) 793-0186
Email: JValentine@chaneyenterprises.com

Secondary Contact

Name: Jeff Slagle
Title: General Manager
Cell: (540) 710-0075
Fax: (540) 710-0035
Email: JSlagle@chaneyenterprises.com

State Agency: Virginia Dept. of Environmental Quality
(804) 698-4000
Specific Contact: Rebecca Vice
Title: Compliance Auditor
Office Number: 1-800-332-6542
Cell/Direct: 703-583-3922
Fax: 703-583-3821

Federal Agency: National Response Center
(800) 424-8802

Storm water Pollution Prevention Plan (SWPPP) Purpose Statement:

This SWPPP has been prepared for Rowe Concrete-Spotsylvania Facility in Spotsylvania, Spotsylvania County, Virginia. The SWPPP has been prepared in

accordance with the requirements of COMAR 26.17.02 as described in the “Virginia General Discharge Permit” No. VAG110187.

2. FACILITY OVERVIEW

Description:

The site is located at 8520 Indian Hills Ct., Fredericksburg, VA 22407. The facility produces concrete and stores sand and gravel for use in the ready-mixed concrete batching operations. There is a medium sized catch basin onsite and all effluent is treated for pH before discharging offsite. There is one diesel storage tank on the tenant’s site as well as a water storage tank. A scale is located near main office building. The site is located adjacent to a mulch/compost producing facility.

Location:

The batch plant is located at 8520 Indian Hills Ct., Fredericksburg, VA 22407. They are in a mixed rural/commercial area near Route 1/ Jefferson Davis Highway.

SIC / NAICS Codes:

SIC - 3273 Ready-Mixed Concrete Facilities
NAICS - 327320 Ready-Mix Concrete Manufacturing

Site Drainage:

The site is composed of the above described buildings, tanks, and storage areas. There is one main drainage zones onsite and all water drains in a southerly direction. All water drains into storm water catch basins at the southern edge of the property (See Facility Sketch). This then discharges into an unnamed tributary of Mattaponi River.

Industrial Activities and Potential Pollution Sources:

Industrial activities at the site which potentially may impact water quality from the introduction of pollutants include:

- Concrete batch production and admixtures
- Leaking petroleum products from delivery and storage
- Aggregate Storage
- Air Pollution

Material Inventory - Present:

Several types of aggregate are stored on-site. The aggregate is used concrete batch production and resale. The materials stored include:

| Material | Quantity |
|-----------|---------------|
| Cement | 51 Tons |
| Aggregate | 835 Tons |
| Sand | 620 Tons |
| Diesel | 3,106 Gallons |

**All aggregate/sand piles described above are exposed to storm water. Most gravel-size aggregate does not present a realistic run-off threat. Sand likewise is not a major concern since it can be retrieved and placed back into storage if eroded.*

Material Inventory - Past:

The existing inventory accurately represents the inventory of materials stored at this location in the past.

Facility Security:

The facility is located in a rural / commercial area. The facility has adequate lighting. Entry is by a driveway at the western edge of the property. There is a chain link fence surrounding the facility and it is gated and locked during non-working hours.

Discharge Information:

There is one (1) outfalls of storm water to surface water at the Spotsylvania Facility.

Sampling Data:

This site is permitted and is therefore required to be sampled quarterly. The parameters sampled for are Flow, Total Suspended Solids (TSS), pH, Oil and Grease, Total Residual Chlorine, Ammonia and Temperature. These constituents are analyzed according to direction provided by VADEQ. Discharge monitoring reports will be submitted on a monthly basis to:

Virginia Department of Environmental Quality
Northern Regional Office
13901 Crown Court
Woodbridge, VA 22193

3. BEST MANAGEMENT PRACTICES (BMPs)

Operational Controls:

This facility has been evaluated for all applicable Operational Source Control BMPs as established by the Virginia Department of Environmental Quality in the Virginia Erosion and Sediment Control Handbook, Second and Third Edition.

Housekeeping

Employees of Rowe Concrete LLC are responsible for maintaining the facility in a clean, orderly manner. Areas which could contribute to storm water pollution will be kept so as to minimize its' potential to contribute contaminants.

Good housekeeping includes:

- Neat and orderly storage of chemicals
- Chemical storage containers labeled
- Containment of sediment onsite
- Prompt cleanup and removal of spillage, and
- Storage of garbage and trash in tight dumpster

Preventive Maintenance

The site is inspected on a routine, periodic basis. Maintenance issues which are identified are addressed in a timely manner.

Facility equipment and storm water drainage structures are inspected and serviced on a periodic basis. They are inspected monthly and serviced as needed.

Spill Prevention and Cleanup

Potential exists for petroleum spills during vehicle transfer and removal. Spills at this time could contribute to contamination of receiving waters. Virginia regulations require proper design, and maintenance of all tanks and storage areas. Monitoring and record keeping is required, as is on-site spill response capability. Monitoring of the storage systems and record keeping are also mandated.

Sediment and Erosion Control

The facility is unpaved and during storm events there is the possibility for sediment transport to the stormwater basins onsite. There are a number of storm water retention devices. Materials that could potentially be eroded are checked daily. If issues are found they are addressed immediately.

Employee Training.

Employees of Rowe Concrete LLC are subject to this plan or who could potentially affect contamination of storm water will undergo periodic training. This training includes:

- Environmental awareness
- Site knowledge
- State regulations and Permit requirements
- Plan contents
- Pollution prevention overview
- Spill response procedures
- Housekeeping procedures
- Treatment system functions
- Importance of compliance

Pollution Prevention Committee

Jim Valentine, Plants/ Environmental Manager is responsible for overseeing, implementing and maintaining this plan. In addition he is responsible for assisting plant personnel in the full and continual adherence to the plan. This includes making management aware of resource needs. He heads the implementation of the Storm Water Pollution Prevention Plan.

Jeff Slagle is also part of the Committee. His responsibility is to make the Plants Manager aware of new potential sources of storm water contamination as well as overseeing the adherence to policy.

Tedd Conner is the General Manager at EcoDepot, LLC and is available for recommendations upon request. He oversees all sampling of discharges on a quarterly basis and prepares and submits all DMR's for Rowe Concrete LLC.

All employees at this location are encouraged to bring to the attention of the Committee members any deficiency they encounter, or any ideas for storm water protection they may have.

Source Controls:

This facility has been evaluated for all applicable Source Control BMPs as established by the Virginia Department of Environmental Quality in the Virginia Erosion and Sediment Control Handbook, Second and Third Edition.

Treatment BMPs.

A pH Control system is located onsite at the Spotsylvania Facility. It functions as a pH neutralizing system for washout/wastewater and stormwater runoff. It utilizes a chemical that is classified as non-hazardous; however the chemical has proper on-site storage. This system is checked on a regular basis (usually twice a day) and onsite personnel ensure that it is functional, calibrated and has chemical present in the storage drum. Any chemical spills are immediately cleaned up and disposed of appropriately.

Run-off BMPs

Storm water run-off from the property discharges into an unnamed tributary of the

Mattaponi River. There is no evidence of any erosional or depositional problems associated with this drainage - therefore additional flow controls have not been necessary. The outfall flows through a culvert pipe offsite to small field. This situation is routinely checked however. Stockpiled material consists of varying sizes of aggregate and sand. This material is stored to minimize the surface area exposed to storm water. Any material seen migrating from the pile is picked up by a front-end loader and placed back into the stock pile.

Enhanced and / or Additional BMPs

In case additional or enhanced BMPs are deemed necessary, a schedule for implementation will be developed and incorporated into this plan within 30 days of determination. The new BMPs will be implemented with all due diligence. Unless otherwise directed by VADEQ, all newly required operational BMPs will be implemented within 15 days of direction. BMPs that require capital expenditures will be implemented within six months.

4. MONITORING PLAN

Discharge Points and Flow Characteristics:

There is surface water discharge from the sand and gravel pits facility into a tributary of Mattaponi River. The sampling and analytical methods, if used, shall conform to procedures for the analysis of pollutants as identified in 40 CFR Part 136 -“Guidelines Establishing Test Procedures for the Analysis of Pollutants” unless otherwise directed by VADEQ.

Sampling Data Summary:

Sampling has been performed on a monthly basis historically; however quarterly sampling is now the accepted procedure as described in the “Virginia General Discharge Permit” No. VAG110187.

Visual Monitoring:

The surface water discharge point is visually inspected monthly. This is done in conjunction with review of any maintenance issues regarding the diversion structures. A comprehensive inspection is done every year by onsite personnel or the Environmental Manager.

Unintended Discharges:

There have been no reported incidents of significant leakage at this location.

5. ADMINISTRATION OF SWPPP

Access to SWPPP:

This Plan will be retained on-site at the main office located at 8520 Indian Hills Ct., Fredericksburg, VA 22407. Upon request it shall be made available to VADEQ. Any requests for a current copy or updates will be honored within two weeks of formal receipt of the request.

Amendments to the SWPPP:

The Plan shall be amended whenever there is a change in design, construction, operation or maintenance of any BMP that causes the Plan to be less effective in preventing storm water pollution. It will also be amended upon direction by VADEQ or when visual monitoring indicated a need for an amendment.

Storm Water Pollution Prevention Plan Changes:

Date: Individual Responsible for Change Nature of Change

Inspection and Record Keeping:

Inspections as required by the Virginia Department of the Environmental Quality as described in the “Virginia General Discharge Permit” No. VAG110128 will be conducted by the Plants Manager or his authorized representative. Walkthrough inspections are conducted monthly and a comprehensive inspection is done once a year. Reports of visual monitoring done by facility staff will be submitted to the Plants/ Environmental Manager. Deficiencies identified will be scheduled for correction. When necessary, a schedule of compliance will be developed and submitted into this Plan. Records of all monitoring information, inspection reports, and any other compliance documentation will be kept for five (5) years onsite as well as in the office. All information described above is available for review by contacting the Plants/ Environmental Manager.

Signatures:

All reports required by the Virginia Department of the Environment as described in the “Virginia General Discharge Permit” No. VAG110128, the applicable regulations and this Plan, and other documentation requested by the Virginia Department of the Environmental

Quality shall be signed by the Plants/ Environmental Manager or an employee or agent under his direct supervision. The Plants/Environmental Manager has been given overall responsibility for these matters by a principal executive officer. All persons signing documents as described above must make the following 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 gathered and evaluated 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.”

Name

Date

Company

Title

6. INSPECTIONS

Comprehensive Site Compliance Evaluation

Inspections are performed at least twice per year, at least 120 days apart, and documented with a checklist (see Attachments). The inspection reports are retained for three (3) years onsite as well as in the office. Signature on the form signifies certification that the site is in compliance with the SWPPP and the “Virginia General Discharge Permit” No. VAG110187.

7. COMPLIANCE WITH SARA TITLE III

Chemicals subject to SARA Title III, Section 3 includes diesel fuel. Diesel fuel is subject to the SPCC Plan requirements of the Clean Water Act. The SPCC Plan addresses compatibility, secondary containment, spill prevention, spill control and drainage. The facility does not have a P.E. certified SPCC Plan. There have been no discharges of any material covered under SARA Title II at this facility for the past three (3) years.

8. CONSISTENCY WITH OTHER STATUTES AND PLANS

Rowe Concrete LLC is able to do vehicle maintenance and fueling at the Spotsylvania Plant. The facility is under proper VADEQ permitting. Rowe Materials is subject to certain requirements and schedules that pertain specifically to its reclamation areas. They do not impact the requirements under the “Virginia General Discharge Permit” No. VAG110187.

9. ATTACHMENTS

Inspection Report Form

Map of Facility

Diagram of Facility

Topographic Map

INSPECTION REPORT FORM

STORM WATER MONITORING FORM

Facility: Rowe Concrete – Spotsylvania

Name: _____ Date: _____

Signature: _____ Time: _____

Elapsed time since last rainfall (>1/4"): _____

Observation of Storm Water Catch Basin:

Floating Material Yes No Suspended Solids Yes No

Oil / Grease Sheen Yes No Discoloration Yes No

Turbidity Yes No Color Yes No

Odor Yes No

pH Yes No Reading _____

Is WatchDog Functional Yes No

Did EcoDepot sample this month? Yes No

If “Yes” to any of the above, describe here: _____

Plan Evaluation: Is description of potential contaminants current? Yes No

Is facility layout in Plan correct? Yes No

Are controls described in Plan being implemented? Yes No

Do the controls implemented appear to be adequate? Yes No

If “No” to any of the above, describe here: _____

Quarterly Preventive Maintenance Report: Indicate whether any of following are observed:

Corroded drums or drums without plugs or covers - Yes No

Corroded or damaged tanks, piping or valves - Yes No

Leaking pumps or hose connectors - Yes No

Damaged diking or storm water retention barriers - Yes No

Debris or other excessive material in Catch Basin - Yes No

Debris or other excessive material in Drainage Area - Yes No

Stains on the ground around tanks - Yes No

Spills/Leaks Yes No

Erosion Yes No

Air Pollution Yes No

Observation and /or corrective action: _____

EMERGENCY CONTACT INFORMATION

**IN THE EVENT OF A SPILL.....CONDUCT
THE FOLLOWING STEPS:**

- 1. LOCATE SPILL KIT**
- 2. CONTAIN SPILL**
- 3. CONTACT THE FOLLOWING AGENCIES:**

**VA DEQ POLLUTION RESPONSE HOTLINE
(703) 583-3800**

**NATIONAL SPILL RESPONSE CENTER
(800) 424-8802**

SWPPP COMPLIANCE ASSESSMENT FORMS

| SWPPP FEATURE | Y/N | COMMENTS |
|---------------------------------------------------------------------------------------|------------|-----------------|
| HAVE BI-WEEKLY INSPECTIONS BEEN CONDUCTED AND HAVE FORMS BEEN COMPLETED? | | |
| HAVE DAILY pH READINGS BEEN TAKEN AND HAVE LOGS BEEN COMPLETED? | | |
| HAVE BMP'S BEEN IMPLEMENTED AND HAS SCHEDULE BEEN ADHERED TO? | | |
| HAS EMPLOYEE TRAINING BEEN IMPLEMENTED? | | |
| HAS THE ENVIRONMENTAL EDUCATION PROGRAM BEEN EVALUATED AND HAVE FORMS BEEN COMPLETED? | | |
| HAVE ANY CHANGES TO SITE FUNCTION BEEN ADDRESSED IN THE SWPPP? | | |
| Name: _____ | | Date: _____ |
| Signature: _____ | | Facility: _____ |
| Title: _____ | | |

WEEKLY INSPECTION FORM

| LOCATION | pH | WATER COLOR | COMMENTS (i.e. erosion) |
|-----------------|----|-------------|-------------------------|
| | | | |
| DATE: _____ | | | |
| TREATMENT BASIN | | | |
| SEPTIC | | | |
| DISCHARGE BASIN | | | |
| | | | |
| DATE: _____ | | | |
| TREATMENT BASIN | | | |
| SEPTIC | | | |
| DISCHARGE BASIN | | | |
| | | | |
| DATE: _____ | | | |
| TREATMENT BASIN | | | |
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| DISCHARGE BASIN | | | |
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| DATE: _____ | | | |
| TREATMENT BASIN | | | |
| SEPTIC | | | |
| DISCHARGE BASIN | | | |

MONTHLY SITE INSPECTION FORM

FACILITY NAME: _____ **DATE:** _____

| LOCATION | TYPE: (BMP/ E&S) | FUNCTIONING AS DESIGNED (Y/N) | MAINT. REQUIRED | COMMENTS |
|-----------------|-------------------------------------|----------------------------------------------|----------------------------|-----------------|
| TRUCK PARKING | BMP | | | |
| FUEL STATION | BMP | | | |
| SHOP | BMP | | | |
| pH TREATMENT | BMP | | | |
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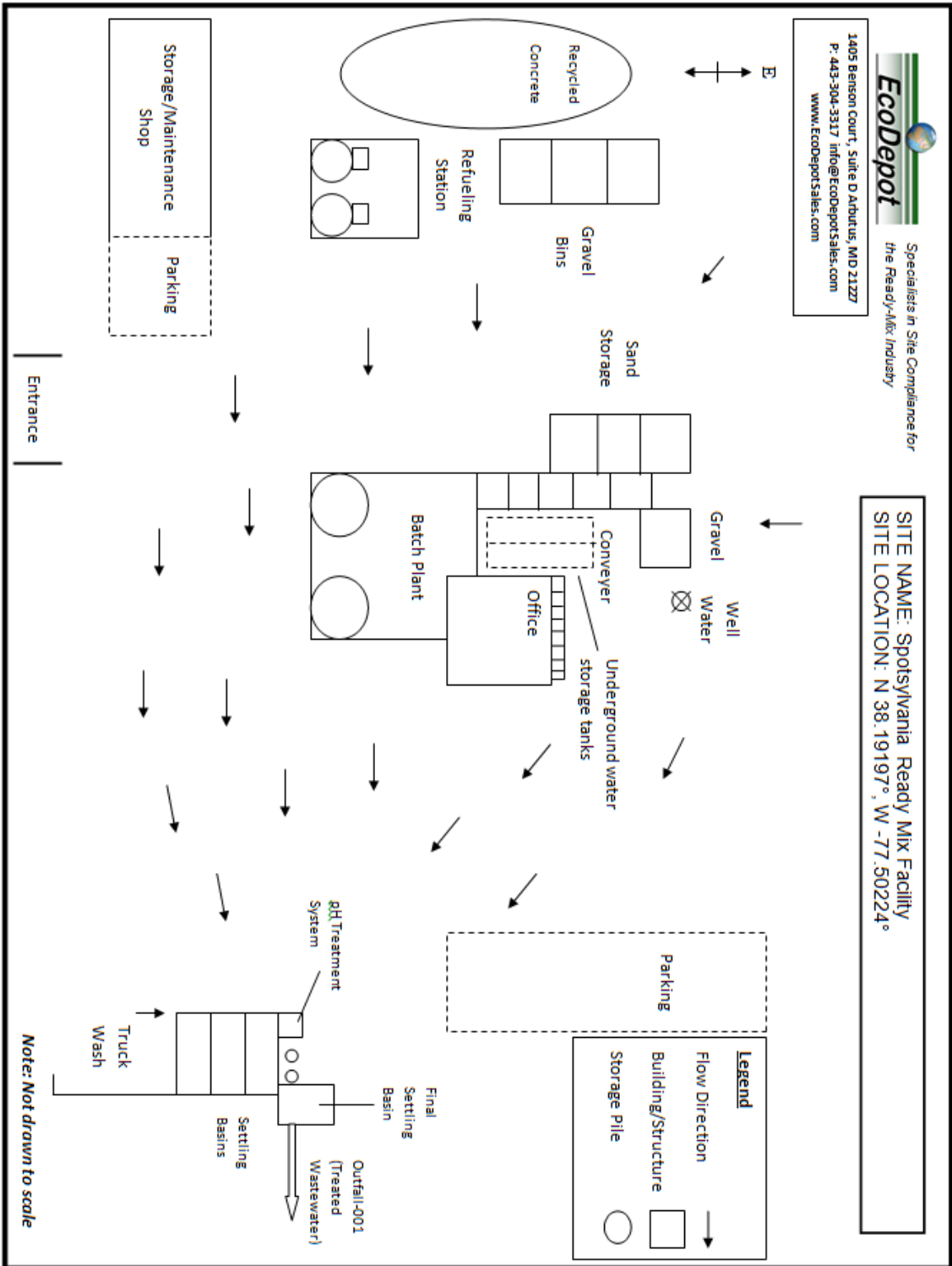
NAME: _____ **SIGNATURE:** _____

TITLE: _____

MAP OF FACILITY



LAYOUT OF FACILITY



TOPOGRAPHIC MAP

