

**STORM WATER POLLUTION PREVENTION PLAN**  
for  
**Chaney Enterprises – King George RMC Plant**  
**(VAG110128)**  
13250 James Madison Pkwy,  
King George, VA 22485

Prepared by:  
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Chaney Enterprises, LP  
2410 Evergreen Rd., Suite 201  
Gambrills, MD 21054

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## 1. Introduction

Business Office Location: 13250 James Madison Parkway,  
King George, VA 22485

### Primary Emergency Contact

Name: Fernando Rodriguez  
Title: Plants Manager  
Office Number: (540) 775-5003  
Cell: (240) 419-0616  
Email: [frodriguez@chaneyenterprises.com](mailto:frodriguez@chaneyenterprises.com)

### Secondary Contact

Name: Jeff Slagle  
Title: General Manager  
Cell: (540) 710-0075  
Email: [jslagle@chaneyenterprises.com](mailto: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

### Federal Agency:

National Response Center  
(800) 424-8802

### *Storm Water Pollution Prevention Plan (SWPPP) Purpose Statement:*

This SWPPP has been prepared by Chaney Enterprises for the King George RMC Plant in King George, 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. VAG110128.

## 2. Facility Overview

### *Description:*

The facility produces concrete and stores sand and gravel for use in the ready-mix concrete batching operations. There are two large storm water management catch basins located on site. As well as one diesel storage tank and one water storage tank. A scale is located near the front entrance. Several radio towers and storage structures are on-site. There is also a truck repair shop, batch office, and storage sea containers located towards the middle of the site.

*Location:*

The batch plant is located at 13250 James Madison Pkwy, King George, Virginia 22485.

*SIC/NAICS Codes:*

SIC – 3273 Ready-Mix Concrete Facilities

NAICS – 327320 Ready-Mix Concrete Manufacturing

*Site Drainage:*

The site is composed of the above described buildings, tanks, and storage area. There are two main drainage zones on-site with the majority of the water draining west/southwest. All water eventually drains into one of two storm water basins in the southeastern and southwestern corners of the site (See **Figure 3**). There are two outfalls (**DP1** and **DP2**) on the southern edge of the site. Water from the washout pits is treated and then drains to the southwest storm water basin via a series of underground pipes. The storm water basins ultimately discharge into an unnamed tributary of the Gingoteague Creek.

*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 from delivery and storage
- Aggregate storage

*Facility Security:*

The facility is located in a rural/commercial area. The facility has adequate lighting. Entry is by driveway from James Madison Parkway on the eastern side of the site. There is a chain link fence surrounding the site and it is gated and locked during non-working hours.

*Discharge Information:*

There are two (2) discharge points that handle both storm water and process water (**Figure 3**).

*Sampling Data:*

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

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

### **3. Best Management Practices (BMP's)**

#### *Operational Controls:*

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

#### Housekeeping

Employees of Chaney Enterprises, LP are responsible for maintaining the facility in a clean and orderly manner. Areas which could contribute to storm water pollution will be kept so as to minimize potential to contribute contaminants.

Good housekeeping includes:

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

#### Preventive Maintenance

This 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 monthly and serviced as needed.

#### Spill Prevention and Cleanup

Potential exists for petroleum spills during vehicle transfer. 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.

#### Sediment and Erosion Control

The facility is partially paved and during storm events there is the possibility for sediment transport to the settling basins on-site. Materials that could potentially be eroded are checked daily. If issues are found they are addressed immediately.

## Employee Training

Employees of Chaney Enterprises, LP will undergo yearly training. This training includes:

- Environmental awareness
- Site Knowledge
- State regulations and permit requirements
- Plant contents
- Pollution prevention overview
- Spill response procedures
- Housekeeping procedures
- Treatment system functions
- Importance of compliance

## Pollution Prevention Committee

*Victor Vilece*, Environmental Project 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 also oversees all sampling of discharges on a quarterly basis and prepares and submits all DMR's. He heads the implementation of the Storm Water Pollution Prevention Plan.

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

*Fernando Rodriguez* is the Virginia Regional Manager and is responsible for ensuring that the treatment systems are monitored daily and implementing BMP's on a daily basis.

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 BMP's as established by the Virginia Department of Environmental Quality in the Virginia Erosion and Sediment Control Handbook, Second and Third Edition.

## Treatment BMP's

Two pH control systems are located at the King George Facility. One is located in the truck washout basins and one is located at the southeastern storm water basin (**Figure 3**). They function as automated pH neutralizing systems for washout/wastewater and storm water runoff. They utilize non-hazardous Sodium Bisulfate with proper storage on-site. This system is checked on a daily

basis (during plant operations hours) and on-site personnel ensure that they are functioning properly. Any issues with the system will be reported to the pollution prevention committee members for immediate correction.

#### Run-Off BMP's

Storm water run-off from the property discharges into a tributary of the Gingoteague Creek from two (2) discharge points. There is no evidence of any erosional or depositional problems associated with this drainage – therefore additional flow controls have not been necessary. This situation is routinely checked however. Stockpiled material consists of varying sizes of aggregate, sand, and recycled concrete material. This material is stored to minimize the surface area exposed to storm water. Any material seen migrating from the piles is picked up by a front-end loader and placed back into the stock pile.

#### Enhanced and / or Additional BMP's

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

### **4. Monitoring Plan**

#### *Discharge Points and Flow Characteristics:*

There are two (2) surface water discharge points from the facility into a tributary of Gingoteague Creek. The sampling and analytical methods 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 is done quarterly as described in the “Virginia General Discharge Permit” No. VAG110128.

#### *Visual Monitoring:*

The surface water discharge points are visually inspected quarterly. 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 a member of the Pollution Prevention Committee.



*Unintended Discharges:*

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

**5. Inspections**

*Comprehensive Site Compliance Evaluation:*

Inspections are performed daily and quarterly, and documented with a checklist (see **Appendix B, C, and D**). The inspection reports are retained for three (3) years onsite as well as in the corporate office. Signature on the form signifies certification that the site is in compliance with the SWPPP and the "Virginia General Discharge Permit" No. VAG110128.

*Routine Inspections and Record Keeping:*

Inspections as required by the Virginia Department of Environmental Quality as described in the "Virginia General Discharge Permit" No. VAG110128 will be conducted by the Plant's Manager or his authorized representative. Walkthrough inspections are conducted quarterly, and a comprehensive inspection is done annually. Reports of visual monitoring done by facility staff will be submitted to the Environmental Project 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 three (3) years onsite as well as at the corporate the office. All information described above is available for review by contacting the Environmental Project Manager.

**6. 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 III at this facility for the past three (3) years.

**7. Consistency With Other Statutes and Plans**

Chaney Enterprises, LP is subject to certain requirements and schedules that pertain specifically to its reclamation areas. They do not impact the requirements under the Virginia Discharge Permit" No. VAG110128.

**8. Administration of SWPPP**

*Access to SWPPP:*

This plan will be retained on-site in the batch plant office and at the corporate office located at 2410 Evergreen Road, Gambrills, MD 21054. 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's 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
July 2014	Dylan Drudul	Addition of 2 <sup>nd</sup> outfall
Nov 2016	Victor Vilece	Comprehensive Update
Jan 2019	Victor Vilece	Comprehensive Update

*Signatures:*

All reports required by the Virginia Department of Environmental Quality 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 Environmental Quality shall be signed by the Environmental Project Manager or an employee or agent with the authority as given by a principal executive officer. The Environmental Project 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."

Sign: \_\_\_\_\_

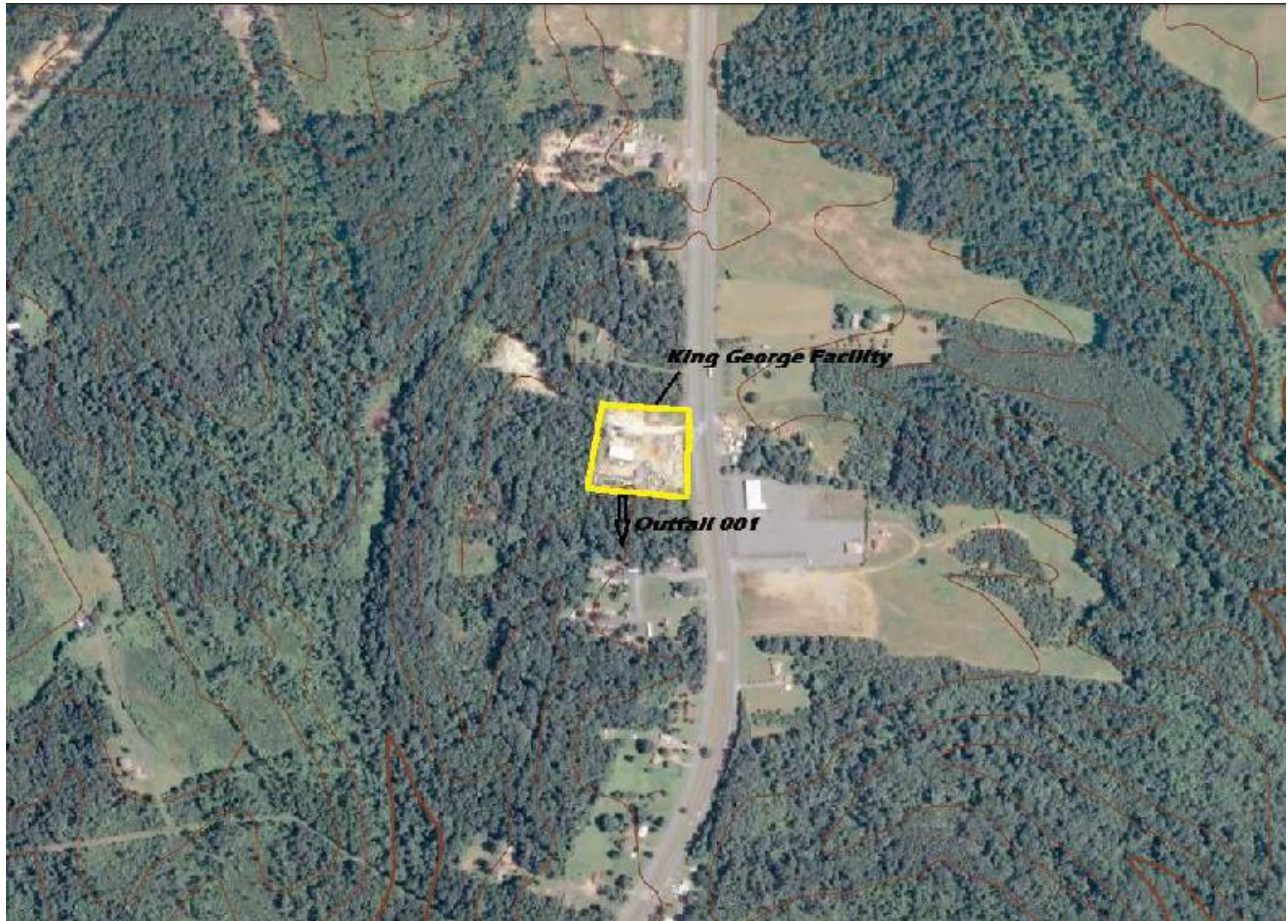
Date: 3/1/19

Title: Environmental Project Manager

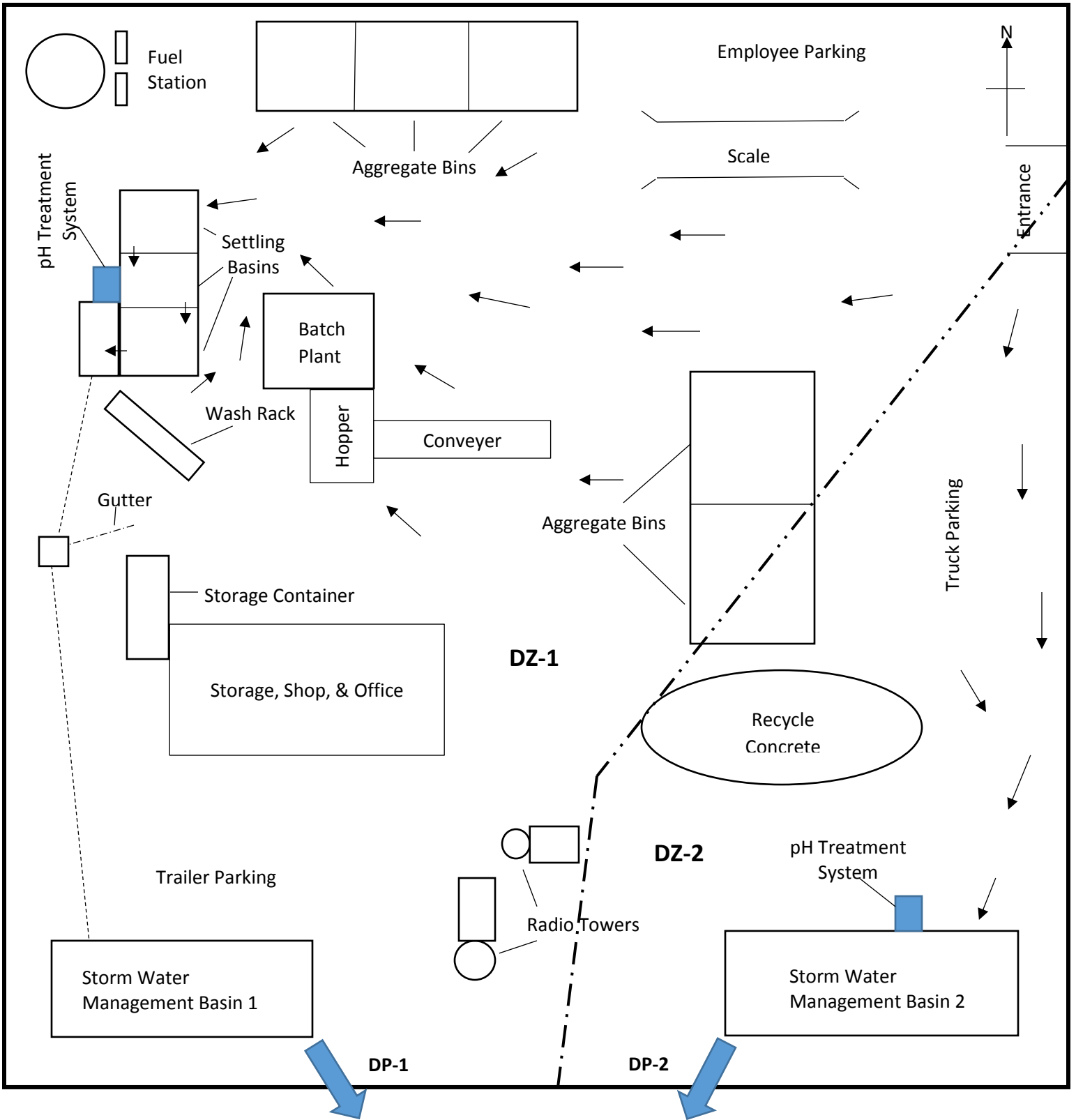
**FIGURE 1:  
MAP OF FACILITY**



**FIGURE 2:  
TOPOGRAPHIC MAP**



**FIGURE 3:  
DIAGRAM OF FACILITY**



**TABLE 1**  
**EXISTING STORM WATER DRAINAGE AND DISCHARGE POINTS**

DRAINAGE ZONE/ DISCHARGE POINTS	STORM WATER DRAINAGE DESCRIPTION	POTENTIAL POLLUTION	POTENTIAL PROBLEMS
<i>Facility Drainage</i>	Natural Topography, site grading, and a system of underground pipes direct drainage throughout the site. A four (4) tier sediment basin will collect and treat all truck wash. Two (2) large storm water basins will collect and treat all storm water on-site.	Gasoline, Diesel Fuel, Hydraulic Oil/Fluids, Sediment	Diesel fuel/fluids may leak from trucks and equipment. Improper loading may result in sediment discharge. Run off from bulk materials and aggregate storage areas may result in excess sediment buildup. Improper loading at plant may result in sediment discharge.
<i>DZ-1</i>	Graded to direct water to the storm water basin in the southwest corner of the site and DP-1. Agg bins, fueling station, settling basins, pH treatment system, truck wash area, batch plant, office, shop, and scale are all located within this drainage zone.	Gasoline, Diesel Fuel, Hydraulic Oil/Fluids, Sediment	Diesel fuel/fluids may leak from trucks and equipment. Improper loading may result in sediment discharge. Aggregates may be carried by storm water.
<i>DZ-2</i>	Graded to direct water to the storm water basin in the southeast corner of the site and DP-2. Agg piles, recycled concrete, truck parking, and the site entrance are within this drainage zone.	Diesel Fuel, Hydraulic Oil/Fluids, Sediments	Diesel fuel/fluids may leak from trucks and equipment. Runoff from bulk material areas may result in excess sediment buildup.
<i>DP-1</i>	Located in the southwest corner of the site. The storm water basin collects treated wash water from the settlement basins/truck wash area. The basin allows for final settling before any discharge takes place.	Diesel Fuel, Hydraulic Oil/Fluids, Sediments	Diesel fuel may leak from fueling activity. Diesel fuel/fluids may leak from trucks and equipment. Runoff from aggregate storage areas and drum washing activities may result in excess sediment buildup.
<i>DP-2</i>	Located in the southeast corner of the site. The storm water basin collects flow from the entrance, truck parking area, and recycle pile.	Diesel Fuel, Hydraulic Oil/Fluids, Sediments	Diesel fuel/fluids may leak from trucks and equipment. Runoff from bulk material areas may result in excess sediment buildup.

**Table 2**  
**MATERIAL INVENTORY**

TRADE NAME MATERIAL	PHYSICAL DESCRIPTION	STORM WATER POLLUTANTS
<i>Sand, Gravel</i>	Solid particles	Silicon, suspended solids, turbidity, sediment
<i>Hydraulic oil/fluids</i>	Brown oily petroleum hydrocarbon	Mineral oil
<i>Gasoline</i>	Colorless, pale brown or pink petroleum hydrocarbon	Benzene, ethyl benzene, toluene, xylene, MTBE
<i>Diesel Fuel</i>	Clear, blue-green to yellow liquid	Petroleum distillate, oil & grease, naphthalene, xylenes
<i>Antifreeze/coolant</i>	Clear green/yellow liquid	Ethylene glycol, propylene glycol, heavy metals (copper, lead, zinc)

**TABLE 3**  
**SWPPP IMPLEMENTATION SCHEDULE**

SWPPP FEATURE	TARGET IMPLEMENTATION DATE
<i>Environmental compliance inspections (CEEIP)</i> <b>Appendix A</b>	Quarterly
<i>Implementation of SWM Control Measures</i>	Daily
<i>Inspection of Water Treatment System</i> <b>Appendix C</b>	Daily
<i>Visual Inspection of Batch Plant Air Filtration System</i> <b>Appendix D</b>	Daily
<i>Employee Environmental Education</i> <b>Appendix E</b>	Annually: 4 <sup>th</sup> quarter
<i>Environmental Education Program Evaluation</i> <b>Appendix F</b>	Annually: 4 <sup>th</sup> quarter
<i>SWPPP Compliance Assessment</i> <b>Appendix G</b>	Annually: 4 <sup>th</sup> quarter



**TABLE 4**  
**BMP INSPECTION SCHEDULE**

SWPPP FEATURE	TARGET IMPLEMENTATION DATE
<i>Drum Wash Basins</i>	Inspect <b>daily</b> for sediment accumulation, Clean <b>weekly</b> or as needed.
<i>Treatment Basin</i>	Visually inspect <b>daily</b> for sediment accumulation and record freeboard measurement. Pump out sediments <b>bi-annually</b> or as needed.
<i>pH Treatment Systems</i>	Inspect pumps <b>daily</b> for sediment accumulation/blockage. Clean as needed.
<i>Fuel Station</i>	Visually inspect <b>quarterly</b> for signs of wear and leaks.
<i>Waste Concrete Storage</i>	Visually inspect <b>quarterly</b> for proper containment. Clean residual waste as needed.
<i>Material Storage Areas, Including Aggregate Stock Piles</i>	Visually inspect <b>quarterly</b> for proper containment, labeling, and signs of leaks or spills.
<i>Entrance, Yard, Berms, Curbs</i>	Visually inspect <b>quarterly</b> for sediment accumulation, dust, and effectiveness in directing storm water.

For BMP Inspection logs see **Appendix C**, **Appendix D**, and **Appendix E**.

**APPENDIX A**  
**EMERGENCY CONTACT INFORMATION**

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

1. LOCATE SPILL KIT
2. CONTAIN SPILL
3. CONTACT CHANEY SAFETY DIRECTOR

**Chris McCoy**  
**(240) 299-7172**

4. CONTACT THESE AGENCIES

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

# CHANNEY

ENTERPRISES

## Appendix B

### I. General Information

**CEEIP Inspection Form**

Facility:		Permit #:	
Date:	Time:	Weather:	Phone:
Facility Address:			Site Manager:
Inspector:			

### II. Site Conditions SWPPP On Site: Yes No      DMR's On Site: Yes No

	Condition Range				Comments/Corrections Needed
	Great	Good	Fair	Poor	
E & S Control					
On-Site Storage					
Equipment/ Vehicles					
Roadways					
Air Pollution					
Discharge Monitoring	Discharging: Y / N pH:				

**Additional Comments on Site Conditions:**

### III. pH Treatment System

	Questions	Answer	
Washout/Settling Ponds	Have washout basins/ponds been cleaned recently?		<b>Site Corrections:</b>           <b>Due Date:</b> Days    1wk    2wk    3wk <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>  <b>Sign:</b> _____
	What is the pH in the settling area w/handheld probe?		
pH Controller	What is the pH reading upon arrival?		
	What is the Hi limit reading?		
	What is the Lo limit reading?		
Mixing	How much CO2/Sodium bisulfate is in the tank?		
	Does additional chemical need to be added/ tank filled?		
	Were site personal informed?		
pH Probe	Is probe covered in residue and dirty?		
	Was probe cleaned with cleaning solution?		
	What are readings before/after calibration with solution 7.0?		
	What are readings before/after calibration with solution 10.0?		
Piping	Is intake piping functional?		
	Is discharge piping functional?		

**Comments on pH System Conditions:**

<b>Inspector</b>	Name: _____	Signature: _____	Date: _____
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2410 Evergreen Road | Suite 201 | Gambrills, Maryland 21054

WEB ChaneyEnterprises.com    PHONE 888-424-2639







**APPENDIX F**  
**ENVIRONMENTAL EDUCATION SEMINAR EVALUATION FORM**

Program Feature	Applicable? (Y/N)	Comments
Has a date been established for the annual seminar?		
Will all state and federal regulations be addressed?		
Will employees be informed of any changes to the SWPPP?		
Will there be any outside sources involved in the training program?		
Did the facility staff appear more informed after last year's program?		
Have there been any employee comments/suggestions?		
<p>Name: _____ Date: _____</p> <p>Signature: _____</p> <p>Title: _____</p>		

**APPENDIX G**  
**SWPPP COMPLIANCE ASSESSMENT**

SWPPP Feature	Y/N	Comments
Have quarterly inspections been conducted and have form been completed and filed?		
Have BMP's been implemented and has the implementation schedule been adhered to?		
Has employee training been implemented?		
Has the Environmental Education Program been evaluated and forms filed?		
Have all changes to site function been addressed in the SWPPP?		
<p>Name: _____ Date: _____</p> <p>Signature: _____</p> <p>Title: _____</p>		