

UPPER MARLBORO
Ready Mix Concrete Facility
5200 Chrysler Drive, Upper Marlboro, MD 20772

STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

In compliance with:
General Permit 15MM9873
National Pollution Discharge Elimination System (NPDES)

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August 2026

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I. Introduction

a. SWPPP Purpose

This Storm Water Pollution Prevention Plan (SWPPP) has been developed as requirement of the National Pollution Discharge Elimination System (NPDES) program for regulating storm water discharge from industrial facilities. Development, proper implementation, and dedicated monitoring of the SWPPP will allow the Upper Marlboro Ready Mix Concrete Facility [herein known as The Facility for the purposes of this report] to control pollutants and comply with all established regulations. The primary purpose of this SWPPP is to:

- 1) Identify potential sources of pollution that may reasonably be expected to affect the quality of storm water discharges from the site,
- 2) Describe the practices that will be used to reduce pollutants in storm water discharges to assure compliance with the conditions of the Permit, and
- 3) Establish an implementation schedule to ensure that the proposed plan is properly implemented while monitoring the plan's effectiveness in meeting the design goals.

b. SWPP Content

The following components are included in this SWPPP:

- Description of the facilities and existing conditions
- Description of potential storm water contaminations
- Description of measure to be taken and Best Management Practices (BMP's) to be implemented.
- Description of the monitoring and inspection plan to be implemented.
- Identification of a SWPPP coordinator, SWPPP team members and the responsibilities involved, and
- Description of the requirements for permit compliance.

II. Facility Description

a. Facility Location

The Facility is located at 5200 Chrysler Drive, Upper Marlboro, Maryland and is within Prince George's County boundaries. The facility operates on a small section of land within an industrial area off Route 301. **Figure 1** contains a general vicinity map of the area.

b. Site Description

The Facility is a 1.6-acre site bordered by Chrysler Drive to the north and west. Depot Pond is located across Chrysler Drive, west of the site. A tree line separates the site from a car dealership to the east. A business park area/police station is located to the south. On-site structures include a main office building, a storage/maintenance garage, small storage sheds, batch plant equipment, truck wash area, storage bins and a fueling area. Figure 2 is a facility sketch of existing conditions, illustrating pertinent on-site structures and includes approximate drainage zone locations, patterns of storm water drainage and locations of any discharge points.

c. Site Activities

The Facility is classified as a code 3273 under the 1987 Standard Industrial Classification (SIC) guild lines and as code 327320 under the 2002 North American Industry Classification System (NAICS). Normal operating hours are approximately 7am to 4pm and there is an average of 20 full-time employees on schedule with approximately 16 trucks operating out of this facility on a regular basis.

d. Existing Drainage and Discharge Conditions

On-site drainage is controlled through a series of catch drains, collections basins and pH water treatment systems. Process water is recycled and used for future batching or used for washing applications. Natural topography directs drainage from the southeaster portion of the property downslope towards the site entrances. There are two discharge points [DP] from this facility. DP-1 is located at the northern site entrance along Chrysler Drive. DP-2 is located at the western site entrance along Chrysler Drive. **Figure 2** is a facility sketch of existing conditions that includes zone locations, patterns of storm water drainage and locations of any discharge. These are approximate locations based on a review of site conditions and an evaluation of mapper and aerial photos. Drainage from the northern and eastern portions of the site is directed to DP-1 by way of curb and gutter and a catch drain that runs across the driveways. Runoff from the office area, material stockpiles, the hopper area and the site exit are directed here. The catch drain ties into a concrete collection tank that feeds a three-tiered concrete settling basin. Process water collected here is treated for pH by a Fortrans Model 5000b Water Treatment System. The treated water is then discharged from the site on the curbside gutter along Chrysler Drive.

Drainage from the central area of the facility is directed to a series of reclaim basins used as part of a recycling system. Runoff from the truck washing and drum washout areas is the main source of water for the reclaim basins and recycling system. Water is treated by a Hydro-Innovations Hydrocarbonic Purification System before being recycled into the batch plant.

Drainage from the western portion of the site is directed to DP-2 by way of a catch basin and gutter drain that runs across the main driveway strip along the western site entrance. Runoff from the office area, and truck loading area is directed here. Water from the reclaim basins is pumped to the gutter drains as needed. The gutter drains ties into a three-tiered concrete settling basin where process water is treated by a Fortrans Model 5000b Water Treatment System. The treated water is then discharged onto Chrysler Drive.

Figure 2 is a facility sketch of existing conditions that depicts typical patterns of storm water drainage and locations of any discharge. Additional information about each drainage zone and discharge point can be found in **Table 1**.

III. Potential Storm Water Contaminants

a. *Material Storage*

Table 2 identifies materials that are used, stored, or produced on-site that may contribute to storm water pollution. A physical description and the probable storm water pollutants are included. This SWPPP is focused on limiting the pollution from these sources. In addition, the following table is included with typical quantities of cement, sand, aggregate and diesel fuel:

Materials	Quantity
Cement	200 Tons
Aggregate	600 Tons
Sand	350 Tons
Diesel	6,000 Gallons

b. *Spill and Leak History*

There are no records of any spills or leaks of any material in this facility within the past three years. All spills and leaks will be recorded and documented. Appropriate response actions should be conducted as well.

c. *Potential Areas for Storm Water Contamination*

The following core areas with potential for storm water contamination were considered in the development of this SWPPP:

- Truck Loading Area: This includes a loading system (hopper and conveyor) located adjacent to the facility office. Contamination may occur through leaking trucks and equipment or spills from overloaded trucks.
- Truck Washout Area: Contamination may occur in this area through an increase of pH in collected waters and potential for increased sediment build-up.
- Fueling Station: This area includes a fueling station in the western portion of the property. Contamination may occur in this area through improper fueling or leaking trucks and equipment.
- Reclaim Basins: This area is in the central region of the site and may cause overflow contamination if not properly maintained.
- Office/Storage: This building serves as a storage area for materials such as admixtures and general site materials. It also contains the site office. Contamination may occur through fluid leaks from stored materials and excess runoff from the adjacent loading area.
- Admixture/Truck Wash Chemical Storage: Several tanks are stored next to the main office building. They contain cleaners, detergents, and concrete admixtures.
- Stockpile Materials: Several mounds of stockpile material (sand, stone, etc.) are located on site. Contamination may occur in these areas through sediment runoff.

Table 1 includes site-specific information regarding storm water pollution potential from these areas.

d. *Emergency Contact Information*

Any chemical or oil spill will be recorded on standard inspection forms (**Appendix A**). In the event of an emergency spill, the Maryland Department of the Environment 24 hr Emergency Spill Hotline (410-974-3551) and the National Response Center at (1-800-424-8802) will be contacted. In the event of a spill situation, a standard spill response procedure will be followed (**Appendix B**). This procedure and emergency contact information will be visible and readily available in the site office.

IV. Storm Water Management (SWM) Control Measures

This section will detail existing SWM control measures and proposed controls that will be implemented to comply with permit requirements. All Best Management Practices (BMPs) used as control measures in this project were selected to meet or exceed State and local requirements. **Table 3** contains specific information and a schedule for target implementation of these control measures. **Figure 2** is a facility sketch of proposed control measures depicting approximate locations of implementation.

a. Site Evaluation of Existing Control Measures

The following is a list of effective control measures that are currently in place at the Upper Marlboro Facility.

- Recycling/Reclaim basins: A recycling/reclaim system is on-site to collect any material and water that can be reused.
- Curb & Gutters/Catch Drains: A series of curb and gutters and three drain strips along the site entrances direct drainage to appropriate treatment areas.
- Fortrans Model 5000b Water Treatment System: These water treatment systems monitor the pH level of collected water and utilize non-hazardous Carbon Dioxide to lower the high pH of collected water. There are two functioning systems on-site that treat water at DP-1 & DP-2 prior to discharge.
- Hydro-Innovations Hydrocarbonic Purification System: This system uses Carbon Dioxide to regulate pH and a series of filters to eliminate solids from process water. This allows the treated water to be recycled into the batch plant for use in batching concrete.

b. Implementation of Proposed SWM Control Measures

The following is a list of appropriate control measures that will be implement at the Upper Marlboro Facility:

- Fueling Station: The fueling station will be inspected for potential leak hazards and any changes will be implemented immediately. A spill kit has been installed for use in the event of a spill situation.
- Recycling/Reclaim Basins: The existing recycling and reclaim basins will be thoroughly inspected for potential problems and appropriate measures will be taken to ensure they are functioning as designed.
- Collection Tanks & Settling Basins: The concrete collection tanks and sediment basins at each site entrance will be inspected and sediment build-up that may be detrimental to the proper functioning of the water treatment system will be removed. These tanks will be monitored for sediment build-up and cleaned out on a regular basis.
- Fortrans Model 5000b Water Treatment System: There are two functioning systems on site. Components of each system will be inspected on a regular basis to ensure proper functioning.
- Hydro-Innovations Hydrocarbonic Purification System: This system uses CO2 injection and filters to treat process water collected in the holding basins for use in the batch plant.
- Material Storage: Any fluid canisters (truck oil, grease) housed on-site will be kept of out contact with storm water and will remain covered when not in use. Any partially used, bagged material will be transferred to a sealable container and properly labeled. Items such as brooms, dust pans, plastic gloves, kitty litter and extra sealable containers will be always on-site.

- Stockpiles: Stockpiles will be consolidated, and employees will ensure that there is no sediment, sand/or aggregate leaving the appropriate holding areas. These areas will be inspected twice a day and re consolidated when needed.
- Equipment Inspections: Vehicles and equipment will be inspected for fluid leaks and any other potential pollutants to storm water. All vehicles and equipment will receive regular preventative maintenance to reduce the chance of fluid leakage.
- General Housekeeping: General good housekeeping measures will be implemented into a routine schedule to promote site compliance.
- Air Pollution: Dust suppression methods and regular sweeping will aid in minimizing air pollution that could originate from the site.

V. Facility Monitoring Plan

a. Routine Inspections

Routine inspections will be conducted throughout the site to decrease the likelihood of a potential pollution situation. The recycling and reclaim basins, the curb & gutter network, the catch drains, the Fortrans Model 5000b Water Treatment System, the fueling station, storage areas and all other pollution prevention implementations will be inspected for effectiveness. As directed by the SWPPP Coordinator, and Environmental Evaluation team has been assigned to conduct visual observations no less than one time each quarter. A sample inspection form can be found in **Appendix A**.

b. *Fortrans Model 5000b Water Treatment System and Hydro-Innovations Hydrocarbon Purification System Monitoring*

Water Treatment Systems will be inspected daily. The Plant manager or approved on-site personnel will ensure that the unit is turned on and is functioning correctly. Carbon Dioxide tanks are filled weekly or as needed based on weather and process water volume. Filters will be backwashed on a regular schedule to prevent clogging.

c. *SWPPP Updates and Amendments*

Any changes to operating conditions of The Facility that require modification of existing BMPs or implementation of new BMPs will be recorded in this document (**Appendix D**). This SWPPP shall be amended to include any change in design, construction, operation, or maintenance of the facility that has a significant effect on the potential for the discharge of pollutants to surface waters and that has not been addressed in the normal implementation of the SWPPP. This SWPPP shall also be updated whenever it is found to be ineffective in meeting the requirements of the NPDES Permit and any other applicable regulatory guidelines. If the Maryland Department of the Environment (MDE) notifies the SWPPP Coordinator that the SWPPP does not meet one or more of the provisions of the NPDES Permit or any other applicable regulatory guidelines, changes will be made within a timeframe approved by the MDE.

VI. SWPPP Implementation Task Force

a. SWPPP Coordinator

The Environmental Manager is the SWPPP Coordinator for the Upper Marlboro Facility.

b. SWPPP Coordinator Responsibilities

The SWPPP Coordinator will be responsible for the following:

- Manage the SWPPP team in the implementation of the SWPPP plan,
- Oversee employee training,
- Ensure regulatory compliance of site activities,
- Measure overall effectiveness of SWPPP implementation and
- Addressing any site operation changes with appropriate SWPPP modifications.

c. SWPPP Implementation Task Force Team Members

The following team members will assist the SWPPP Coordinator in all aspects of the SWPPP implementation:

NAME	POSITION	PHONE NUMBER	EMAIL ADDRESS
Lamont Hopkins	Area Production Manager	(410) 279-9282	lahopkins@chaneyenterprises.com
Fernando Alvarez	Senior Operations Manager	(410) 375 – 5095	falvarez@chaneyenterprises.com
Shelby Taylor	Environmental Manager	(443) 510-9347	staylor@chaneyenterprises.com
Eddy Chambers	H&S Manager	(804) 305-1057	echambers@chaneyenterprises.com
Gus Buttar	Director of Environmental, Health & Safety	(240) 299-7172	gbuttar@chaneyenterprises.com

VII. Compliance Requirements

a. On-site Record Retention

This plan and all accompanying records will be retained for review digitally. Upon request they will be made available. Any requests for a current copy or updates will be honored within two weeks of formal receipt of the request.

b. Employee Training

An annual environmental education seminar will be incorporated into ongoing employee training protocol to educate employees about the pollution prevention issues relating to this SWPPP. Employees will be introduced to the requirements of the SWPPP and will be instructed on how to monitor the implemented BMPs for maximum effectiveness. Completion records are kept digitally and can be provided upon request.

c. Implementation Schedule

A proposed schedule for the implementation of this SWPPP can be found in **Table 3**. An implementation schedule for E&S Controls and BMPs is shown in **Table 4**. These schedules will be modified if there is any change to the sequence or expected completion dates and updated schedules will be inserted into the SWPPP file.

d. Corporate 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	Shelby Taylor
Title	Environmental Manager
Signature	
Date	

Digital Signature Stamp (When not hand signed)

Digital Sig/Date:	
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Figure 1

Facility Map

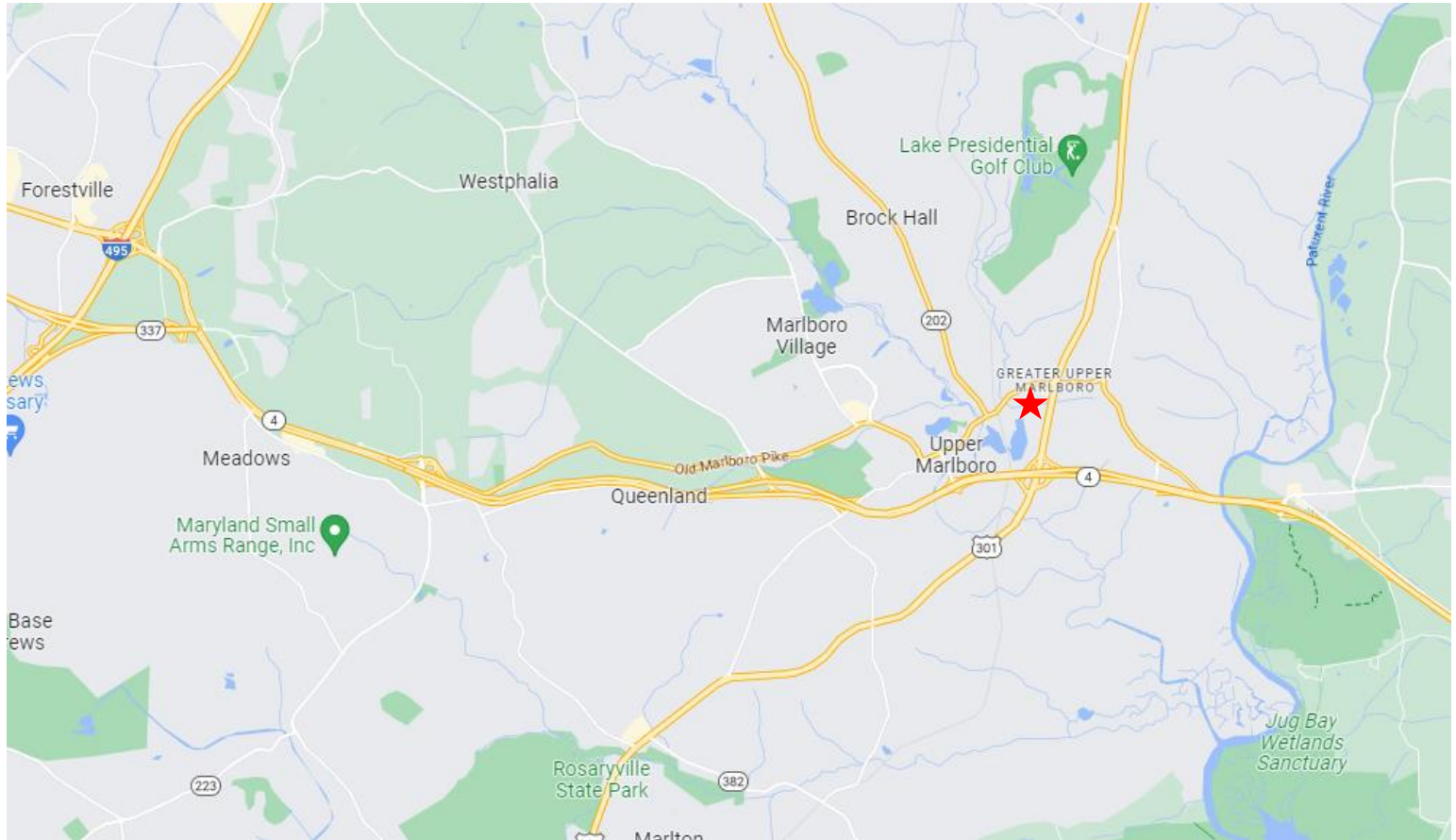


Figure 1

General Facility Map

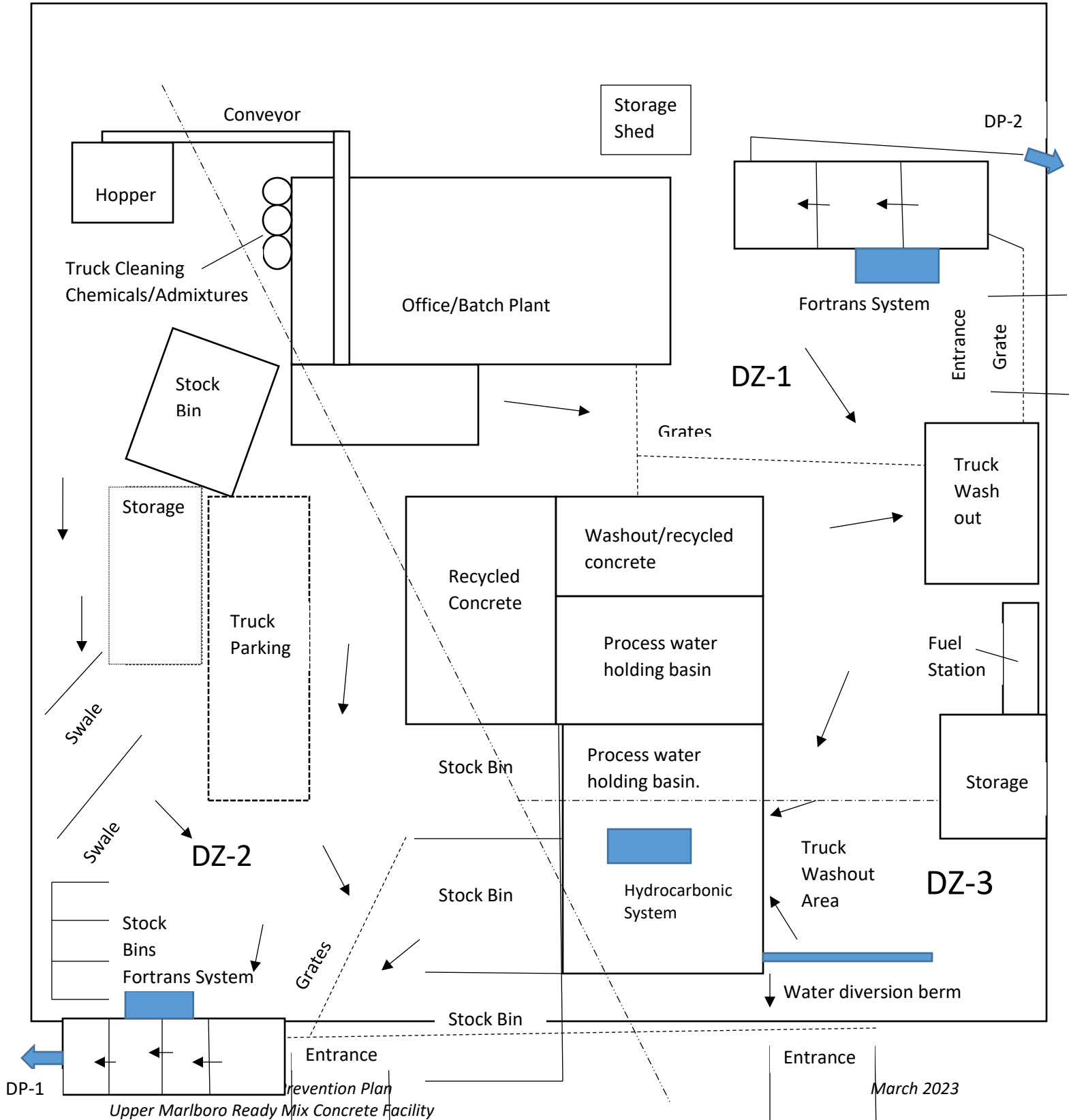


Table 1

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 and a network of curbs & gutters direct drainage throughout the site. Catch drains direct water to concrete collection tanks where it is treated by Fortrans Model 5000b Water Treatment Systems prior to discharge.	Gasoline, Diesel Fuel, Hydraulic Oil/Fluids, Sediment	Diesel fuel/fluids may leak from trucks and equipment. High pH water may be discharged without being treated. Improper loading may result in sediment discharge. Overflow from collection basin may result.
<i>DP-1</i>	This discharge point is adjacent to the northern site entrance. Water is treated by a Fortrans Model 5000b Water Treatment System and then discharged to a curbside gutter along Chrysler Drive. This ties into a storm drain inlet that feeds Depot Pond.	Gasoline, Diesel Fuel, Hydraulic Oil/Fluids, Propane, Sediment, High pH Water	Discharge water with high pH is the main concern in this area. Diesel fuel/fluid may leak from trucks and equipment along the entrance way and near the site office. Improper loading may result in sediment discharge. Runoff from bulk material areas may result in excess sediment buildup.
<i>DP-2</i>	This discharge point is adjacent to the western site entrance. Water is treated by a Fortrans Model 5000b Water Treatment System and then discharged to a curbside gutter along Chrysler Drive. This ties into a storm drain inlet that feeds Depot Pond.	Gasoline, Diesel Fuel, Hydraulic Oil/Fluids, Propane, Sediment, High pH Water	Discharge water with high pH is the main concern in this area. Overflow from the loading area may cause release of excess sediment. Trucks release washout water that could potentially be discharged before being treated.

Table 2
MATERIAL INVENTORY

TRADE NAME MATERIAL	PHYSICAL DESCRIPTION	STORM WATER POLLUTANTS
<i>Cleaning Solvents</i>	Colorless, blue, or yellow-green liquid	Perchloroethylene, methylene, chloride, trichloroethylene, petroleum distillates
<i>Waste Water</i>	Clear or gray	Oil, grease, concrete
<i>Concrete</i>	White or gray solids	Limestone, sand
<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 pr 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>Kerosene</i>	Pale yellow liquid petroleum hydrocarbon	Coal oil, petroleum distillates
<i>Antifreeze/coolant</i>	Clear green/yellow liquid	Ethylene glycol, propylene glycol, heavy metals (copper, lead, zinc)
<i>Polarset</i>	Light green, clear liquid	Calcium Bromide, Calcium Nitrate, Diethylene Glycol, Methyl diethanolamine, Calcium Nitrite
<i>Daracel</i>	Clear Liquid	Naphthalene sulfonic acid, polymer with formaldehyde

TABLE 3

SWPPP IMPLEMENTATION SCHEDULE

SWPPP FEATURE	TARGET IMPLEMENTATION DATE
<i>Facility inspections</i>	Monthly
<i>Facility CEEIP Inspections</i>	Quarterly
<i>Implementation of SWM Control Measure</i>	See TABLE 4
<i>Employee Training Program</i>	Date of environmental seminar: Fall Annually General employee instruction: Ongoing
<i>Annual SWPPP Compliance Assessment</i>	Fall Annually

TABLE 4

SWM CONTROL MEASURES IMPLEMENTATION SCHEDULE

FACILITY SITUATION	SWM CONTROL MEASURE	TARGET IMPLEMENTATION DATE
<i>Fueling Station</i>	Check for complete spill kit at fueling station	Quarterly
	Inspect fuel/propane tanks and containment areas for cracks & leaks.	Quarterly
<i>Recycling/Reclaim Basins</i>	Inspect basins for effectiveness & make any necessary changes.	Quarterly
<i>Collection Basins</i>	Inspect concrete basins at DP-1 & DP-2 for effectiveness. Clean out if needed.	Quarterly
<i>Fortrans Model 5000b Water Treatment System</i>	Inspect that system is functioning properly.	Daily
	Check CO2 levels	Daily
<i>Equipment Inspections</i>	On-site vehicles and equipment will be thoroughly inspected for fluid leaks and other potential pollutants.	Daily
	Preventative maintenance will be performed on a regular schedule.	Ongoing, maintenance performed Monthly (or as needed)
<i>General Housekeeping</i>	Enforcement of good housekeeping measures will be implemented.	Daily

August 2026

APPENDIX B

EMERGENCY CONTACT INFORMATION

EMERGENCY COORDINATORS (EC)

NAME	POSITION	PHONE NUMBER	EMAIL ADDRESS
Lamont Hopkins	Area Production Manager	(410) 279-9282	lahopkins@chaneyenterprises.com
Fernando Alvarez	Senior Operations Manager	(410) 375 – 5095	falvarez@chaneyenterprises.com
Shelby Taylor	Environmental Manager	(443) 510-9347	staylor@chaneyenterprises.com
Eddy Chambers	H&S Manager	(804) 305-1057	echambers@chaneyenterprises.com
Gus Buttar	Director of Environmental, Health & Safety	(240) 299-7172	gbuttar@chaneyenterprises.com

LOCAL EMERGENCY AGENCIES

AGENCY	PHONE NUMBER
Fire Department	911
Police Department	911

SPILL RESPONSE CONTRACTORS

COMPANY	LOCATION	PHONE NUMBER	SERVICES PROVIDED
ACE Environmental	420 East Eager Street Baltimore, MD 21205	1(410) 354-8030 (office) 1(410) 804-0112	Spill Response & Clean-up, Transport & Disposal of Contaminated Materials

STATE AND NATIONAL RESPONSE

STATE AND NATIONAL	PHONE NUMBER	SERVICES PROVIDED
MDE (State) 24 Hour Emergency Spill Hotline	1(410) 974-3551	Spill Response & Clean-up, Transport & Disposal of Contaminated Materials
National Spill Response Center	1(800) 424-8802	

APPENDIX C

SWPPP COMPLIANCE ASSESSMENT

SWPPP Feature	Y/N	Comments
Have monthly comprehensive inspections been conducted and have forms 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?		
Name: _____ Title: _____ Signature: _____ Date: _____		

APPENDIX D

SWPPP MODIFICATIONS

DATE	COMMENTS (What was Reviewed or Corrected)	SIGNATURE / INITIALS
9/14/23	Added Hydro carbonic system to SWPPP.	VJV
7/2/25	SWPPP reviewed.	VJV
8/5/2026	Reviewed and updated contact information to reflect employee changes	TDD