OPERATIONS AND MAINTENANCE MANUAL
FOR
VPDES GENERAL PERMIT **VAG110027**

CHANEY ENTERPRISES, LP
Onley RMC Plant
21075 Washington St.
Onley, VA 23418

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1. Introduction

a. Site Overview:

The Onley Ready-Mix Concrete Facility is located at 21075 Washington St, Onley, VA 23418. The Facility produces concrete and stores sand and gravel for use in the batching operations. There is one diesel storage tank on-site as well one (1) fuel oil tank, and one hot water tank. There is also a batch office, recycle concrete storage area, aggregate storage bins, and process water treatment basins.

b. Emergency Contacts:

Business Office Location:	2410 Evergreen Rd., Suite 201 Gambrills, MD 21054
Primary Emergency Contact	
Name:	Victor Vilece
Title:	Environmental Project Manager
Cell:	(301) 861-6094
Email:	vvilece@chaneyenterprises.com
Secondary Contact	
Name:	Phill Bunn
Title:	Regional Concrete Operations Manager
Cell:	(443) 771-0957
Email:	pbunn@chaneyenterprises.com
State Agency:	Virginia Dept. of Environmental Quality (804) 527-5020 Specific Contact: Vanessa Arroyo Water Compliance Inspector (757) 705-8149
Federal Agency:	National Response Center (800) 424-8802
Medical:	Chesapeake Regional Medical Center (757) 312-8121
Sheriff:	Chesapeake Sheriff's Office (757) 382-6159

2. Description of Potential Discharges and Treatment Facilities

From the process of batching concrete, washing truck exteriors and drums, dust suppression, and watering aggregates, a waste consisting of small amounts of solids (mud, sand, clay, and gravel) and chemicals used in batching concrete is generated. Saddle tanks on the mixers are filled with potable water used to wash down the truck exterior and chute before leaving the site and add to the drum as needed. Flow is provided by a garden style hose attached to the mixer's saddle tank.

Process water is directed to a three-tier settling basin. This basin is large enough to hold water long enough for sediments to drop out. Water stored in the basin is recycled and used for dust control and washing trucks. See **Appendix A** for a diagram of the site.

3. Maintenance

a. Routine Maintenance schedules:

Settling basins are inspected daily for sediment accumulation. A minimum of one foot of freeboard will be maintained. A loader is used to clean out the basin when it is approximately half full of sediments or before known storm events. Solids from the basins will be mixed in with the waste concrete pile for drying and eventual recycling. If the material cannot be removed by loader for any reason, a contractor with a vacuum truck will be called in to remove the solids from the basins. These solids will be hauled off, by the contractor, to the appropriate facility for disposal. Aggregate storage is consolidated daily to keep aggregates in their bins.

b. Material Handling/Storage

All chemicals kept on-site are stored in sheds, sea containers, or the former block plant building. Chemicals will be stored in properly sealed and labeled containers. All containers will be kept under cover, away from site traffic, and out of contact with storm or process waters. See **Appendix B** for Material Safety Data Sheets for chemicals stored on-site. Aggregates will be kept in bins located on the east side of the site. A recycled concrete pile is in the northeast corner of the site. Concrete returned from deliveries will be dumped here along with solids removed from the settling basins. When the recycled material has dried, it will be loaded into dump trucks and haul to another Chaney facility with a crusher to be turned into recycled aggregate.

4. Spill Management Procedures

a. Spill Containment/Storage

All spills, including spills from fuel, oil, coolant, transmission/hydric fluid, truck wash, add mixtures, or concrete are cleaned up as soon as they are noticed with dry methods and disposed of such that no discharge to state waters except as authorized by VAG110027 occurs. In the event of a spill, Chaney Enterprises will use Accurate Marine Environmental or a similar certified environmental cleanup specialist to remove all contaminated material to be disposed of properly off-site. No contaminated materials will be stored on-site.

b. Material Handling/Storage

All truck wash and add mixtures are stored in sealed and properly labeled containers in a sea container or in totes. Fuel is stored in a double walled tank.

5. Effluent Monitoring Requirements

a. Authorized Samplers

Victor Vilece	Environmental Project Manager	301-861-6094
Jacob Byrum	EHSS Specialist	804-718-1873

b. Sampling Procedure

Discharge samples will be collected by Chaney's Authorized Samplers (listed above). They will collect pH samples and analyze within 15 minutes on site. Samples for TSS reporting are collected, preserved, and analyzed by Jennings-Thompson Laboratories, Inc 1118 Cypress Ave, Virginia Beach, VA 23451 or AMA Analytical Services 4475 Forbes Blvd, Lanham, MD 20706 in accordance with the Code of Federal Regulations (CFR) 40 CFR Part 136 or Alternative methods. Samples will be taken, by Chaney Staff, to the accredited lab for analysis.

Samples are collected annually if there is a discharge to sample. Samples shall be collected by December 31 of each year and reported on the facility's Discharge Monitoring Report and submitted to DEQ at the Piedmont Regional Office 4949-A Cox Road, Glen Allen, VA 23060. DMRs shall be submitted by January 10 of each year. A minimum of one grab sample shall be taken resulting from a storm event that results in an actual discharge from the site. Flow is estimated as gallons per day. If no discharges occur during the monitoring period the DMR will have "No Discharge" written upon it.

6. Personnel

All reports shall be signed and dated by a signatory authority per Part III K 2 of the permit. The following indicates the authorities of plant personnel:

Kyle Murray – Land General Manager and permit holder. Has direct contact to DEQ.
Victor Vilece – Environmental Project Manager – develops operations and maintenance (O&M) manual with input from operator. Reviews O&M annually with input from operator. Has direct contact to DEQ, monitoring coordinator (contact lab, conducts sampling), fills out and signs DMR. Also has direct contact to DEQ.
Temp. PM – Plant Manager – direct contact to Chaney Enterprises Managers. Notifies Environmental Project Manager if O&M manual needs to be revised, conducts sampling during storm events, enforces BMPs at plant site.

7. Records

All records for facility maintenance, inspections, and sampling and testing, shall be maintained for a minimum of three (3) years and shall be available for inspection by the owner, manager, and DEQ upon request.

8. SWCB Permits or Certificates

A copy of VPDES Permit #VAG110027 is included in **Appendix C** of the manual.

9. Closure Plan

a. *Treatment and removal of wastewater, storm water, and solids.*

All stormwater will be treated for TSS before being discharged from the site. All discharge will occur through Outfall 001 as shown in **Appendix A**. Water that cannot be treated to compliance with the VPDES regulations will be removed from the site by a contractor and disposed of at the proper facility. Hardened residual concrete materials will be shipped off site to the Waldorf Plant for crushing and sale.

b. *Fate of structures.*

At the end of the operations all structures will be removed from the site.

c. *Removal Plan for all exposed industrial materials.*

All exposed industrial materials will be stored and recycled at the appropriate recycling facility.

d. Description of the stabilization of land in which exposed industrial materials were stored or placed.

No exposed industrial materials will be stored on site.

10. 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."

Victor Vilece
Name

8/27/22
Date

Environmental Project Manager
Title

Victor John Vilece Jr

Digitally signed by Victor John Vilece Jr
DN: cn=Victor John Vilece Jr, o=Chaney Enterprises, ou, email=vvilece@chaneyenterprises.com, c=US
Date: 2022.08.29 09:50:30 -04'00'

Signature

Appendix A: Facility Map
SITE NAME: Onley RMC Facility
SITE LOCATION: 21075 Washington St. Onley, VA 23418

Appendix B
MATERIAL INVENTORY

Most common materials stored on-site

TRADE NAME MATERIAL	PHYSICAL DESCRIPTION	STORM WATER POLLUTANTS
Sand, Gravel	Solid particles	Silicon, suspended solids, turbidity, sediment
Hydraulic oil/fluids	Brown oily petroleum hydrocarbon	Mineral oil
Gasoline	Colorless, plae brown pr pink petroleum hydrocarbon	Benzene, ethyl benzene, toluene, xylene, MTBE
Diesel Fuel	Clear, blue-green to yellow liquid	Petroleum distillate, oil & grease, naphthalene, xylenes
Antifreeze/coolant	Clear green/yellow liquid	Ethylene glycol, propylene glycol, heavy metals (copper, lead, zinc)
DCI S	Clear	pH, Calcium Nitrate
PolarSet	Clear	pH, Calcium Nitrate, Diethylene glycol
Portland Cement	Solid powder, Gray/white, Odorless,	pH, Sediment
Fly Ash	Solid powder, Tan, Odorless	pH, Sediment

**A complete list of chemicals stored at all Chaney Enterprises sites can be found at https://www.chaneyenterprises.com/Resources/Safety-Data-Sheets*

APPENDIX C

Discharge Permit

Permit will be added once received from DEQ.