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Letter of Transmittal

To: Gregg Comstock
NHDES - Water Division
PO Box 95
29 Hazen Drive
Concord, NH 03302
Ph: 603-271-3501 Fax: 603-271-6683

Transmittal #: 5
Date: 4/17/2018
Job: 532 Antrim Wind Project

Subject: Antrim Permit Conditions - Concrete Wash Water Plan REV. 3

- WE ARE SENDING YOU**
- Attached
 - Under separate cover via None the following items:
 - Shop drawings
 - Prints
 - Plans
 - Samples
 - Copy of letter
 - Change order
 - Specifications
 - Other

Document Type	Copies	Date	No.	Description
Submittal	1	4/17/18		Antrim Concrete Washout Plan REV 3.pdf

THESE ARE TRANSMITTED as checked below:

- For approval
- For your use
- As requested
- For review and comment
- FOR BIDS DUE
- Approved as submitted
- Approved as noted
- Returned for corrections
- Other
- PRINTS RETURNED AFTER LOAN TO US
- Resubmit ___ copies for approval
- Submit ___ copies for distribution
- Return ___ corrected prints

Remarks:

Copy To: Jack Kenworthy (Walden Green Energy), John Soininen (Walden Green Energy), Dana Valteau (TRC Solutions), Dustin Littlefield (Reed & Reed, Inc.)

From: Dominique Cyr (Reed & Reed, Inc.)

Signature: _____



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Antrim Wind Project

Concrete Washout Plan

Prepared By:
REED & REED, Inc. and Sargent Corp.

Rev 3 – April 17, 2018



Concrete Washout Areas

Concrete wash is generated from washing out of ready-mix concrete trucks. Concrete washout areas are used to contain concrete solids and liquids that are rinsed from concrete truck chutes, hoppers and pumps after delivery.

When feasible, concrete waste and wash water will be returned with each concrete truck for disposal at the concrete batch plant. If this is not possible, the contractor shall install onsite concrete washout areas. Washout of concrete trucks onsite will only be permitted at designated concrete washout areas. Each concrete washout area is to be appropriately sized, located and be clearly marked with a sign or signs indicating location of concrete wash area. The contractor will be responsible for notifying all concrete truck operators entering the site regarding the use and location(s) for concrete washout areas and that trucks may only be washed out in designated areas.

Concrete washout areas will be constructed to collect and retain concrete waste and wash water. Containments may include; excavated washout pits, earthen berm or hay bale pits and metal washout containers. Washout pits and containers will be lined with polyethylene to contain liquid and solid waste. Concrete waste and wash water will be retained in the washout containment and allowed to evaporate, until only solid concrete is left behind. Should any washout water be observed to infiltrate the ground around or below the containment pit, it shall be registered with the DES using the Notification Form for Discharges to Groundwater.

Placement of Concrete Washout Areas

Concrete washout areas shall be constructed at level areas located within the site disturbance limits. All concrete washout areas shall be located a minimum of 100 feet from any wetland, stream, open water, swales, or open ditches.

Maintenance of Concrete Washout Areas

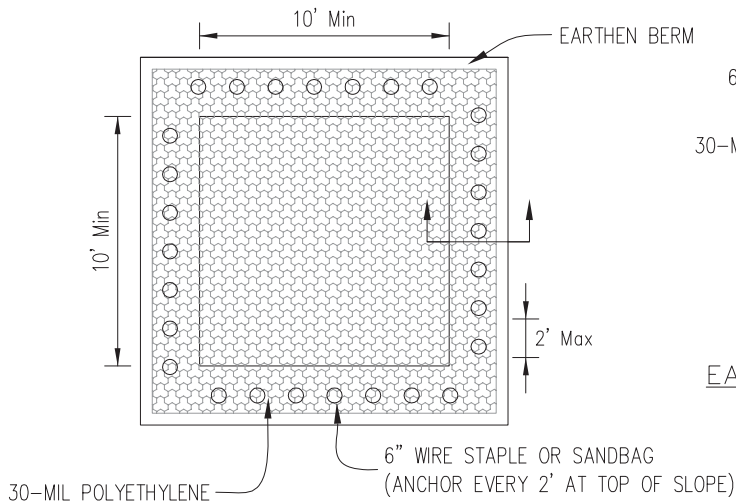
Concrete washout areas are to be inspected daily and after each use to determine if sufficient storage volume and free-board are available. If more than 8 inches of solid concrete debris is observed or there is less than 12-inches of free board after use, the concrete washout area shall be closed for use or cleaned out and/or reconstructed as necessary. Concrete washout areas shall be inspected prior to each use to confirm they are constructed in accordance with details. All concrete washout areas that are no longer in use, shall be properly removed and the disturbed area properly graded and vegetated. When removing/replacing concrete washout areas, the polyethylene liner shall be removed and disposed of at a landfill and concrete solids shall be disposed of in accordance with Env-Sw 302.03(b)(9) which requires the following:

Env-Sw 302.03 Solid Waste Permit Exemptions.

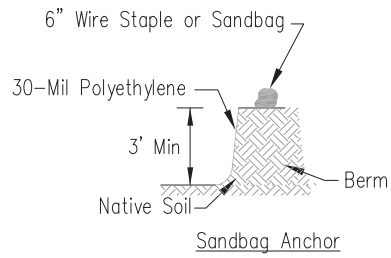
- b) Pursuant to RSA 149-M:7, V and subject to the provisions of Env-Sw 305.04(b), no permit shall be required to:



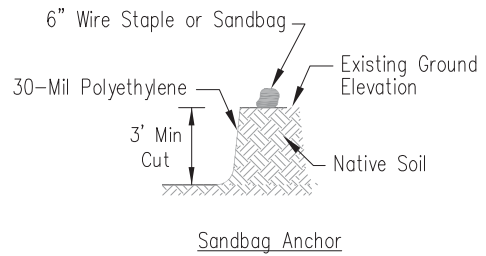
-
- 9) Collect, store, transfer, process, treat, or dispose of waste concrete, cement, brick, other inert masonry materials, or bituminous concrete, provided that:
- a. The waste is actively managed; and
 - b. Management practices comply with the universal facility requirements in Env-Sw 1000;
 - c. The materials comprising the waste are derived from virgin materials only;
 - d. The materials comprising the waste are fully cured;
 - e. The waste is free of any materials or substances that have the potential to leach contaminants to groundwater or surface water or to emit pollutants to the air, including lead, paint, asbestos, and chemicals;
 - f. If landfilled, the bituminous concrete waste is not ground or pulverized; and
 - g. The activity occurs after March 30, 1999;



PLAN VIEW



EARTHEN BERM ANCHOR SECTIONS



SUBGRADE ANCHOR SECTIONS

NOTES:

1. Maintaining temporary concrete washout facilities shall include removing and disposing of hardened concrete and/or slurry and returning the facilities to a functional condition.
2. Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.



REGISTRATION AND NOTIFICATION FORM FOR FLOOR DRAINS AND DISCHARGES TO GROUNDWATER



Drinking Water and Groundwater Bureau Groundwater Discharge Program

RSA/Rule: RSA 485-A:6, VII; 485:3, X; Env-Wq 402

Applicant Information

Name: _____ Daytime Phone: (____) _____ - _____
Mailing Address: _____
City: _____ State: _____ Zip: _____
Contact Person's Name: _____ Email: _____

Facility Information

Facility Name: _____ Daytime Phone: (____) _____ - _____
Address: _____
City: _____ State: _____ Zip: _____
Property Tax Map: _____ Lot Number: _____
Latitude & Longitude of discharge location: _____

Facility Owner Information

Owner Name: _____ Daytime Phone: (____) _____ - _____
Mailing Address: _____
City: _____ State: _____ Zip: _____
Contact Person's Name: _____ Email: _____
Contact Person's Phone Number: _____ Fax Number: _____

Property Owner Information (complete only if different than applicant)

Owner Name: _____ Daytime Phone: (____) _____ - _____
Mailing Address: _____
City: _____ State: _____ Zip: _____
Contact Person's Name: _____ Email: _____
Contact Person's Phone Number: _____ Fax Number: _____

Facility Operator's Information

Owner's Name: _____ Daytime Phone: (____) _____ - _____
Mailing Address: _____
City: _____ State: _____ Zip: _____

Application for Discharge on Non-Domestic Wastewater – complete the following page if your wastewater does not contain regulated contaminants and (if it's a floor drain) you do not store or use regulated contaminants in the area served by the drain.

Please provide a complete description of the facility and type of waste or wastewater handled at the facility served by the floor drain or other non-domestic wastewater discharge – include Locus map (i.e. USGS map):

dwgbinfo@des.nh.gov or phone (603) 271-2858
PO Box 95, Concord, NH 03302-0095
www.des.nh.gov

1. Please describe the wastewater characteristics, including analytical results if available:

2. Please describe the materials and products used at the facility which may be included in the wastewater. Include material safety data sheets as required by 29 CFR Chapter 1910 Part 1200 for all products that may be part of the discharge: _____
3. Please describe the disposal method of how the wastewater is discharged and where. Include a sketch of the site showing any infiltration structures and/or dimensions of any injection well proposed to be used:

4. Please provide the discharge rate (gpm) or discharge volume (gpd) and the schedule for periodic discharges:

Additional Information for Registrants with Floor Drains If your facility has floor drains in areas with regulated contaminants, you have three options:

- o Connect the floor drain(s) via a discharge line to the municipal sanitary sewer in accordance with all necessary local approvals, regulations and NHDES guidelines;
- o Connect the floor drain(s) to a registered holding tank which meets NHDES requirements (See NHDES Fact Sheet WD-DWGB-22-8, *Holding Tanks for Floor Drains*) and file a *Holding Tank Registration Form*;
- o Eliminate and remove the regulated contaminants from the area served by the floor drain(s) or close/seal the floor drain(s) and file a *Discharge Well and Floor Drain Pre-Closure Notification Form* with follow-on closure verification.

Additional Information for Vehicle Dust and Salt Rinsing Facilities If you are registering a dust and salt wash and rinse water discharge to the ground:

- o Use the location of your rinsing activities as the location of your discharge location (see question above);
- o Describe your rinse/wash frequency at question 4;
- o Steam cleaning, high power washing of vehicle undercarriages, engines or other engine parts are **not** activities that are allowed under a registration for a dust/salt rinsing facility.

Applicant/Owner Certification Statement and Signature

By signing this application, the signer certifies that the information contained in, or otherwise submitted, with this application is true, complete and not misleading to the best of the signer’s knowledge and belief.

By signing this application, the signer understands that the submission of false, incomplete or misleading information is grounds for:

- o **Denying the application;**
- o **Revoking any application that is granted based on that information; and**
- o **If the signer is acting as, or on behalf of, a listed engineer as defined in Env-C 502.10; debarring the listed engineer from the roster.**

By signing the application, the signer and applicant agree to comply with all applicable rules and conditions of this permit and to not discharge to the holding tank(s) until written permission has been received from the department.

Signature or Facility Owner or Contact

Date

dwgbinfo@des.nh.gov or phone (603) 271-2858
PO Box 95, Concord, NH 03302-0095
www.des.nh.gov