



July 16, 2020

Project Number: S-2020-0449A

James Walter
Member
Walter & Son Waste Hauling, LLC
N3368 Hwy 14
Darien, WI 53114

Subject: Walter & Son Waste Hauling, LLC, WPDES Permit WI-0064653-02-0
Plans and Specifications for Slurrystore and Cake Pad Building

Dear Mr. Walter:

A geotechnical report, prepared by Giles Engineering & Associates, Inc. was submitted to the department by Warren Hansen on July 15, 2020. This report confirms, through the drilling of two soil borings in the footprint of the proposed structures, that the depth to groundwater and depth to bedrock conform to the requirements of chs. NR 110 and NR 213, Wis. Adm. Codes. However, pursuant to condition #1 of the original approval (approval number S-2020-0449), that approval is null and void because of the following:

1. The geotechnical report revealed through soil boring 1 that soils up to 14 inches below grade had 41% passing a no. 200 sieve. This is greater than the required 35% or less passing a no. 200 sieve (s. NR 213.14(5)(a), Wis. Adm. Code).
2. The geotechnical report revealed through soil boring 1 that soils up to 14 inches below grade had a soil plasticity index less than 10 (s. NR 213.14(5)(a), Wis. Adm. Code).

The Department of Natural Resources (hereafter department) is conditionally reapproving the plans and specifications for the construction of a 1.8 million-gallon slurrystore, a cake pad building, and a leachate collection system to serve Walter & Son Waste Hauling, LLC's (WS's) facility located at N3368 Hwy 14, Darien, WI 53114, submitted under the seal of Warren Hansen, Professional Engineer, Farris, Hansen, & Associates, Inc., PO Box 437, Elkhorn, WI 53121, and received for approval on June 22, 2020.

The geotechnical report and correspondence with Warren Hansen were used by the department as the basis for conditional approval.

The plans and specifications are hereby approved in accordance with s. 281.41, Wis. Stats., Approval Number S-2020-0449A, subject to the following conditions:

1. That a qualified geotechnician be retained onsite during the soil testing and compaction process.
2. That, upon completion of the project, a certification of the adequacy of the bearing of any fill that is used from a qualified geotechnical firm be submitted to the department. This certification can be submitted to Nate Willis at nathaniel.willis@wisconsin.gov.
3. That, prior to the structures being placed in operation, WS's WPDES permit (WI-0064653-02-0) be modified to include appropriate land application requirements.
4. That a competent resident inspector be provided during the course of construction.

5. That a preconstruction conference be held to familiarize the construction contractor(s) and resident inspector(s) with the erosion control and dewatering requirements and all other provisions and conditions of the approved plans and specifications.
6. That erosion control methods be used to prevent siltation to lands and waterways adjoining the construction area. These methods shall include but not be limited to the following:
 - Siltation fences
 - Trench stabilization
 - Immediate mulching and seeding
7. That this department is notified when construction has commenced and again when the facilities are placed in operation. Please contact Stephen Warner, Landspreading Specialist in the department's Milwaukee Service Center, at stephen.warner@wisconsin.gov.
8. That an acceptable operation and maintenance manual or a manual revision or addendum, be prepared for the approved facilities and submitted to the department.
9. That the existing treatment facility be operated effectively during construction to ensure, at a minimum, that the preconstruction treatment levels are maintained and all provisions of the WPDES permit are met.
10. That the improvements be installed in accordance with the plans and specifications, all conditions, and subsequent essential and approved modifications.

The department reserves the right to modify this approval and order changes or additions should conditions arise making this necessary.

If construction has not commenced within two years from the date of this approval letter, the approval shall become void. If approval lapses by passage of time, a new department approval of plans submitted in accordance with the requirements of s. NR 108.04(2), Wis. Adm. Code must be received before construction can commence.

If modifications in the approved plans or specifications are necessary, revised plans or specifications shall be submitted to the department for its approval prior to commencement of construction of the project modifications.

This conditional approval is not to be construed as a department opinion as to the ability of the proposed system to comply with limitations in WPDES permit No. WI-0064653-02-0, or an approval for any activities requiring a permit under ch. 30, 31, or 281, Wis. Stats.

Tangible personal property, which becomes a part of a waste treatment or pollution abatement plant or equipment, may be exempt from property and sales tax under ss. 70.11(21) and 77.54(26), Wis. Stats. A prerequisite to exemption under this subsection is the filing of a statement on forms prescribed by the Department of Revenue. The forms and instructions may be obtained from the Department of Revenue, Manufacturing and Telco Assessment Bureau, P.O. Box 8933, Madison, Wisconsin 53708-8933.

If you believe that you have a right to challenge this decision, you should know that the Wisconsin statutes and administrative rules establish time periods within which requests to review department decisions must be filed. For judicial review of a decision pursuant to ss. 227.52 and 227.53, Wis. Stats., you have 30 days after

the decision is mailed, or otherwise served by the department, to file your petition with the appropriate circuit court and serve the petition on the department. Such a petition for judicial review must name the Department of Natural Resources as the respondent.

To request a contested case hearing pursuant to s. 227.42, Wis. Stats., you have 30 days after the decision is mailed, or otherwise served by the department, to serve a petition for hearing on the Secretary of the Department of Natural Resources. All requests for contested case hearings must be made in accordance with s. NR 2.05(5), Wis. Adm. Code, and served on the Secretary in accordance with s. NR 2.03, Wis. Adm. Code. The filing of a request for a contested case hearing does not extend the 30-day period for filing a petition for judicial review.

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
For the Secretary



Jason Knutson, P.E.
Wastewater Section Chief
Bureau of Water Quality



Nate Willis
Wastewater Engineer
Bureau of Water Quality

Attachment #1: Conditional Approval S-2020-0449

e-cc:

Steve Walter, *WS*
Warren Hansen, *FHA*
Timm Speerschneider, *DeWitt LLP*
Stephen Warner, *WDNR*



July 13, 2020

Project Number: S-2020-0449

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Walter & Son Waste Hauling, LLC
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Darien, WI 53114

Subject: Walter & Son Waste Hauling, LLC, WPDES Permit WI-0064653-02-0
Plans and Specifications for Slurrystore and Cake Pad Building

Dear Mr. Walter:

The Department of Natural Resources (hereafter department) is conditionally approving the plans and specifications for the construction of a 1.8 million-gallon slurrystore, a cake pad building, and a leachate collection system to serve Walter & Son Waste Hauling, LLC's (WS's) facility located at N3368 Hwy 14, Darien, WI 53114, submitted under the seal of Warren Hansen, Professional Engineer, Farris, Hansen, & Associates, Inc., PO Box 437, Elkhorn, WI 53121, and received for approval on June 22, 2020.

The first proposed storage structure is a 1.8 MG glass-lined slurrystore (131' diameter x 19' height). This structure is proposed to be located directly south of WS's existing 3.0 MG slurrystore and has been reviewed in accordance with the code requirements in chs. NR 108, NR 110, and NR 213, Wis. Adm. Codes.

The second proposed storage structure is a 44,100 ft³ concrete pad (140'x70'x4.5') with a metal roof. Pursuant to s. NR 213.14(2)(b), Wis. Adm. Code, by-product solids stack structures must have a minimum slope of 2%. An exemption to this requirement is hereby granted to allow for the base of this structure to have a 1% slope to the leachate collection system, pursuant to s. NR 213.06, Wis. Adm. Code. This decision is based on the length of the structure, the type of sealant that is proposed, and the fact that water stops are proposed at all joints. Leachate will flow from the cake pad to a 15,000 gallon holding tank, where it will then be routed for storage in the existing 3 MG slurrystore. This cake pad will be permitted to store sewage cake sludge, industrial cake sludge, and industrial by-product solids.

The plans and specifications and correspondence with Warren Hansen were used by the department as the basis for conditional approval.

The plans and specifications are hereby approved in accordance with s. 281.41, Wis. Stats., Approval Number S-2020-0449, subject to the following conditions:

1. That, prior to construction commencing, one soil boring is drilled in the footprint of the approved slurrystore, one soil boring is drilled in the footprint of the approved cake pad building, and written authorization from the department reviewer (Nate Willis) to proceed with construction is received. These soil borings shall be drilled where groundwater is anticipated to be the highest. The results of the soil borings shall be summarized and submitted to Nate Willis at nathaniel.willis@wisconsin.gov. This submittal shall include the following information:

- Depth to groundwater (if encountered)

- Depth to bedrock (if encountered)
- Legal description of site subgrade conditions
- Soil classification
- Percent soil passing a No. 200 sieve
- Soil plasticity index

If the soil boring submittal indicates any issues with the subsurface conditions which that are in violation of applicable requirements in chs. NR 110 or NR 213, Wis. Adm. Codes, this conditional approval is null and void, and new plans must be submitted to the department with different proposed locations.

2. That, prior to the structures being placed in operation, WS's WPDES permit (WI-0064653-02-0) be modified to include appropriate land application requirements.
3. That a competent resident inspector be provided during the course of construction.
4. That a preconstruction conference be held to familiarize the construction contractor(s) and resident inspector(s) with the erosion control and dewatering requirements and all other provisions and conditions of the approved plans and specifications.
5. That erosion control methods be used to prevent siltation to lands and waterways adjoining the construction area. These methods shall include but not be limited to the following:
 - Siltation fences
 - Trench stabilization
 - Immediate mulching and seeding
6. That this department is notified when construction has commenced and again when the facilities are placed in operation. Please contact Stephen Warrner, Landspreading Specialist in the department's Milwaukee Service Center, at stephen.warrner@wisconsin.gov.
7. That an acceptable operation and maintenance manual or a manual revision or addendum, be prepared for the approved facilities and submitted to the department.
8. That the existing treatment facility be operated effectively during construction to ensure, at a minimum, that the preconstruction treatment levels are maintained and all provisions of the WPDES permit are met.
9. That the improvements be installed in accordance with the plans and specifications, all conditions, and subsequent essential and approved modifications.

The department reserves the right to modify this approval and order changes or additions should conditions arise making this necessary.

If construction has not commenced within two years from the date of this approval letter, the approval shall become void. If approval lapses by passage of time, a new department approval of plans submitted in accordance with the requirements of s. NR 108.04(2), Wis. Adm. Code must be received before construction can commence.

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STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
For the Secretary



Jason Knutson, P.E.
Wastewater Section Chief
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Nate Willis
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