



Mike DeWine, Governor
Jon Husted, Lt. Governor
Laurie A. Stevenson, Director

June 16, 2020

Mr. Tim Gourley
Lake County Department of Utilities
Lake County Administration Center
105 Main Street
P.O. Box 490
Painesville, OH 44077

**Re: Lake County Solid Waste Facility
Director's Authorization
Approval
Municipal Solid Waste Landfills
Lake County
MSWL018755**

TRANSMITTED ELECTRONICALLY

**Subject: Lake County Solid Waste Facility, Lake County
Ohio Administrative Code (OAC) Rule 3745-27-10(C)(7)(g) Approval**

Dear Mr. Gourley:

On April 6, 2020, the Ohio Environmental Protection Agency (Ohio EPA), Northeast District Office (NEDO), Division of Materials and Waste Management (DMWM) received a request, dated April 6, 2020, titled "OAC 3745-27-10(C)(7)(g) Request to Update the Ground Water Background Database with Statistically Different Data." On April 23, 2020, Ohio EPA, NEDO, DMWM received additional information supporting the earlier request, dated April 23, 2020, titled "Addendum to the April 6, 2020 OAC 3745-27-10(C)(7)(g) Request to Update the Ground Water Background Database with Statistically Different Data." The aforementioned two documents were submitted in accordance with Ohio Administrative Code (OAC) Rule 3745-27-10(C)(7)(g) by Mannik & Smith Group, Inc. (Mannik), on behalf of Lake County Department of Utilities (Owner) of Lake County Municipal Waste Facility (facility), and requested to update the background data group representing the background water quality for the facility's Till Significant Zone of Saturation (SZS) well MW-41 and Bedrock/Till Interface (BTI) SZS wells MW-21, MW-36, MW-37, MW-38, MW-39, and MW-40 located at 2039 Blasé Nemeth Road in Painesville, Lake County, Ohio.

Pursuant to OAC Rule 3745-27-10(C)(7)(g), background data can be added only in blocks of data resulting from the analysis of four or more statistically independent samples after the data have been statistically compared to the current background data and no statistical differences are detected, unless another method is deemed acceptable to the director.

Lake County Solid Waste Facility had proposed 119 data from wells MW-18, MW-21, MW-36, MW-37, MW-38, MW-39, MW-40, and MW-41 that either previously was shown to represent a statistically significant increase (SSI), upward trending and/or an outlier in proposed data sets as part of the facility's background data. Upon review, Ohio EPA found 118 of the 119 requested data to meet requirements for Director's Approval in accordance with the rules. **Note:** One of the facility's requested datum, the June 14, 2016 chloride concentration (570 mg/L) in well MW-18 is not representative, and is not part of this approval.

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The 118 data values that are the subject of this approval are summarized below.

<u>Well Number</u>	<u>Parameter</u>	<u>Date</u>	<u>Result (mg/L)</u>
MW-41	ammonia	06/20/17	0.29
MW-41	chloride	12/08/15	27.0
MW-41	chloride	06/14/16	25.0
MW-41	chloride	12/06/16	23.0
MW-41	chloride	06/12/17	28.0
MW-41	chloride	07/14/17	30.0
MW-41	chloride	12/05/17	26.0
MW-41	chloride	06/27/18	30.0
MW-41	chloride	07/25/18	29.0
MW-41	chloride	12/05/18	28.0
MW-41	chloride	01/11/19	27.0
MW-41	chloride	05/06/19	34.0
MW-41	chloride	06/07/19	35.0
MW-41	chloride	11/18/19	31.0
MW-41	sodium	12/08/15	55.0
MW-41	sodium	06/14/16	65.0
MW-41	sodium	12/06/16	62.0
MW-41	sodium	06/20/17	76.0
MW-41	sodium	12/05/17	63.0
MW-41	sodium	06/27/17	84.0
MW-41	sodium	12/05/18	69.0
MW-41	sodium	05/06/19	72.0
MW-41	sodium	11/18/19	68.0
MW-18	ammonia	01/20/15	3.9
MW-18	ammonia	07/22/15	3.6
MW-18	ammonia	12/08/15	3.3
MW-18	ammonia	06/14/16	4.0
MW-18	ammonia	12/05/16	3.4
MW-18	ammonia	06/20/17	4.6
MW-18	ammonia	12/04/17	5.5
MW-18	ammonia	12/29/17	4.8
MW-18	ammonia	06/27/18	4.1
MW-18	ammonia	12/05/18	6.0
MW-18	ammonia	01/11/19	4.1
MW-18	ammonia	05/06/19	4.9
MW-18	chloride	01/20/15	2300
MW-18	chloride	07/22/15	2300
MW-18	chloride	12/08/15	2100
MW-18	chloride	12/05/16	2200
MW-18	chloride	06/20/17	2700
MW-18	chloride	12/04/17	2600

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<u>Well Number</u>	<u>Parameter</u>	<u>Date</u>	<u>Result (mg/L)</u>
MW-18	chloride	06/27/18	2400
MW-18	chloride	12/05/18	2400
MW-18	chloride	05/06/19	2700
MW-18	chloride	11/18/19	2700
MW-18	sodium	01/20/15	1600
MW-18	sodium	07/22/15	1600
MW-18	sodium	12/08/15	1200
MW-18	sodium	06/14/16	1300
MW-18	sodium	12/05/16	1400
MW-18	sodium	06/20/17	1500
MW-18	sodium	12/04/17	1700
MW-18	sodium	06/27/18	1400
MW-18	sodium	05/06/19	1600
MW-18	sodium	11/18/19	1400
MW-21	ammonia	05/07/19	10.0
MW-36	chloride	12/08/15	460
MW-36	chloride	06/14/16	470
MW-36	chloride	12/05/16	470
MW-36	chloride	06/20/17	450
MW-36	chloride	12/05/17	440
MW-36	chloride	06/27/18	460
MW-36	chloride	12/05/18	460
MW-36	chloride	05/05/19	470
MW-36	chloride	11/18/19	460
MW-37	sodium	12/08/15	440
MW-37	sodium	06/13/16	470
MW-37	sodium	12/05/16	500
MW-37	sodium	06/20/17	490
MW-37	sodium	12/04/17	500
MW-37	sodium	06/27/18	540
MW-37	sodium	12/05/18	550
MW-37	sodium	01/11/19	540
MW-37	sodium	05/07/19	490
MW-37	sodium	11/18/19	520
MW-38	chloride	12/08/15	560
MW-38	chloride	06/13/16	580
MW-38	chloride	12/05/16	560
MW-38	chloride	06/20/17	540
MW-38	chloride	12/04/17	540
MW-38	chloride	06/27/18	530
MW-38	chloride	12/05/18	570
MW-38	chloride	05/07/19	630
MW-38	chloride	11/18/19	600

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<u>Well Number</u>	<u>Parameter</u>	<u>Date</u>	<u>Result (mg/L)</u>
MW-39	ammonia	05/07/19	1.8
MW-39	sodium	12/04/17	680
MW-39	sodium	12/29/17	670
MW-39	sodium	06/27/17	700
MW-39	sodium	12/05/17	740
MW-39	sodium	01/11/19	750
MW-39	sodium	05/07/19	740
MW-39	sodium	06/07/19	680
MW-39	sodium	11/18/19	700
MW-39	potassium	06/19/17	9.9
MW-39	potassium	07/14/17	9.3
MW-39	potassium	12/04/17	9.4
MW-39	potassium	12/29/17	9.0
MW-39	potassium	06/27/18	9.9
MW-39	potassium	12/05/18	10.0
MW-39	potassium	05/07/19	10.0
MW-39	potassium	11/18/19	10.0
MW-40	chloride	12/5/16	370
MW-40	chloride	06/19/17	380
MW-40	chloride	12/04/17	400
MW-40	chloride	06/27/18	420
MW-40	chloride	12/05/18	430
MW-40	chloride	05/07/19	430
MW-40	chloride	11/18/19	430
MW-40	sodium	12/08/15	560
MW-40	sodium	06/13/16	560
MW-40	sodium	07/13/16	620
MW-40	sodium	12/05/16	610
MW-40	sodium	06/19/17	630
MW-40	sodium	12/09/17	630
MW-40	sodium	06/27/18	620
MW-40	sodium	12/05/18	610
MW-40	sodium	05/07/19	630
MW-40	sodium	11/18/19	590

Ohio EPA has reviewed the applicable information and concurs with the addition of the above 118 data to existing background data. Therefore, pursuant to OAC Rule 3745-27-10(C)(7)(g), the owner or operator is hereby authorized to incorporate the above data in the facility's background data.

You are hereby notified that this action of the Director of Environmental Protection (Director) is final and may be appealed to the Environmental Review Appeals Commission pursuant to Ohio Revised Code Section 3745.04. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. The appeal must be

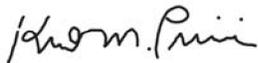
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filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of \$70.00 made payable to "Treasurer, State of Ohio." The Commission, in its discretion, may reduce the fee if by affidavit it is demonstrated that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
30 East Broad Street, 4th Floor
Columbus, Ohio 43215

If you have any questions concerning this letter, please contact Al Muller of Ohio EPA, NEDO at (330) 963-1211.

Sincerely,



Kurt M. Princic
Chief, Northeast District Office
for Laurie A. Stevenson
Director, Ohio EPA

KMP/AM/sc

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