



John R. Kasich, Governor
Mary Taylor, Lt. Governor
Craig W. Butler, Director

FEBRUARY 27, 2018

Rod Deeds
Tunnell Hill Reclamation
P.O. Box 625
New Lexington, Ohio 43764-0625

Re: Tunnell Hill LDF
Director's Authorization
Approval
Municipal Solid Waste Landfills
Perry County
MSWL018748

Ohio EPA FEB 27 '18
Entered Director's Journal

**Subject: Tunnell Hill Landfill, Perry County
Ohio Administrative Code (OAC) Rule 3745-27-10(C)(7)(g) Approval**

Dear Mr. Deeds:

On November 16, 2017, the Ohio Environmental Protection Agency (Ohio EPA), Division of Materials and Waste Management (DMWM), Southeast District Office (SEDO) received a request, dated November 1, 2017, titled "Statistical Analysis Program for Groundwater Quality Monitoring." The document was submitted in accordance with OAC Rule 3745-27-10(C)(7)(g) by Eagon and Associates, Inc., on behalf of Tunnell Hill Reclamation (Owner), and requested to update the background data group representing the background water quality at monitoring well MW-17C for arsenic and MW-22A for ammonia, barium and potassium at Tunnell Hill Landfill (Facility) located at 8822 Tunnel Hill Rd NE in New Lexington, 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.

Tunnell Hill Landfill has proposed using the following statistically significant data from MW-17C and MW-22A as part of the Facility's background data.

| Monitoring Well | Constituent | Data (mg/L) | Date |
|-----------------|-------------|-------------|-----------|
| MW-17C | Arsenic | 0.00727 | 11/1/2013 |
| MW-17C | Arsenic | 0.00637 | 11/1/2015 |
| MW-17C | Arsenic | 0.00521 | 1/1/2016 |
| MW-17C | Arsenic | 0.00666 | 5/1/2016 |
| MW-17C | Arsenic | 0.0066 | 5/1/2017 |
| MW-17C | Arsenic | 0.0068 | 7/1/2017 |

| Monitoring Well | Constituent | Data (mg/L) | Date |
|-----------------|-------------|-------------|-----------|
| MW-22A | Ammonia | 0.593 | 12/1/2014 |
| MW-22A | Ammonia | 0.335 | 1/1/2015 |
| MW-22A | Ammonia | 0.5 | 5/1/2015 |
| MW-22A | Ammonia | 0.478 | 7/1/2015 |
| MW-22A | Ammonia | 0.339 | 9/1/2015 |
| MW-22A | Ammonia | 0.305 | 11/1/2015 |
| MW-22A | Ammonia | 0.286 | 5/1/2016 |
| MW-22A | Ammonia | 0.289 | 7/1/2016 |
| MW-22A | Ammonia | 0.349 | 11/1/2016 |
| MW-22A | Ammonia | 0.305 | 1/1/2017 |
| MW-22A | Ammonia | 0.42 | 5/1/2017 |
| MW-22A | Ammonia | 0.39 | 7/1/2017 |
| MW-22A | Barium | 0.0318 | 9/1/2015 |
| MW-22A | Barium | 0.0444 | 11/1/2015 |
| MW-22A | Barium | 0.033 | 5/1/2016 |
| MW-22A | Barium | 0.0333 | 11/1/2016 |
| MW-22A | Barium | 0.0341 | 1/1/2017 |
| MW-22A | Barium | 0.04 | 5/1/2017 |
| MW-22A | Potassium | 2.07 | 9/1/2015 |
| MW-22A | Potassium | 2.48 | 11/1/2015 |
| MW-22A | Potassium | 2.58 | 1/1/2016 |
| MW-22A | Potassium | 2.9 | 5/1/2016 |
| MW-22A | Potassium | 2.67 | 11/1/2016 |
| MW-22A | Potassium | 1.77 | 1/1/2017 |
| MW-22A | Potassium | 2.4 | 5/1/2017 |

Ohio EPA has reviewed the applicable information and concurs with the addition of the above 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 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 Nathan Johnson of Ohio EPA, SEDO at (740) 380-5439.

Sincerely,

A handwritten signature in black ink, appearing to read 'Holly Tucker', with a horizontal line underneath.

Holly Tucker
Chief, Southeast District Office
for Craig W. Butler
Director, Ohio EPA

CB/HT/NJ/mr

ec: Rich Fox, DMWM, SEDO
Scott Hester, DMWM, CO
Cary Bowers, Perry County Health Department
Nathan Johnson, DDAGW, SEDO