



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

JANUARY 24, 2019

Mr. Allen Bradburn
Republic Services
5092 Aber Road
Williamsburg, Ohio 45176

**Re: BFIO Glenwillow Landfill
Director's Authorization
Approval
Municipal Solid Waste Landfills
Cuyahoga County
MSWL019366**

Ohio EPA JAN 24 '19
Entered Directors Journal

**Subject: BFIO Glenwillow Landfill, Cuyahoga County
Ohio Administrative Code (OAC) Rule 3745-27-10(F)(8) Determination**

Dear Mr. Bradburn:

On September 26, 2018, the Ohio Environmental Protection Agency (Ohio EPA), Northeast District Office (NEDO) received the Revised Corrective Measures Plan (CMP) for Browning Ferris Industries of Ohio (BFIO) Glenwillow Landfill (Facility). The CMP was submitted by Environmental Resource Management (ERM) on behalf of BFIO/Republic Services.

BFIO/Republic Services has conducted ground water quality assessment for 23 waste derived constituents at seven Significant Zone of Saturation (SZS) monitoring wells and one Uppermost Aquifer System (UAS) groundwater monitoring well at the Facility.

Ohio Administrative Code (OAC) Rule 3745-27-10(F) requires the owner or operator of a municipal solid waste landfill to submit a CMP upon determining, through assessment activities performed in accordance with OAC Rule 3745-27-10(E), that waste-derived constituents have been detected in the ground water.

The CMP included information submitted as a demonstration pursuant to OAC Rule 3745-27-10(F)(8) which states, in part:

- (8) The director may determine that remediation of a release of waste-derived constituents from a sanitary landfill facility is not necessary if the owner or operator demonstrates one of the following:
 - (b) The constituents (are) present in ground water that:
 - (i) Is not currently or reasonably expected to be a source of drinking water.

- (ii) Is not hydraulically connected with waters to which the waste-derived constituents are migrating or are likely to migrate in concentrations that would exceed the ground water remediation standards established under paragraph (F)(7) of this rule."

The information submitted in the CMP satisfies the requirements of OAC Rule 3745-27-10(F)(8)(b)(i) because the constituents are present in ground water underlying the Facility that discharges to Tinkers Creek before leaving the property and is not expected to be a source of drinking water.

The information submitted in the CMP also satisfies the requirements of OAC Rule 3745-27-10(F)(8)(b)(ii) by demonstrating that none of the surface water samples have contained waste derived constituents at concentrations above the OAC Rule 3745-27-10(F)(7) groundwater remediation standards (GWRS) before Tinkers Creek flows off site. Therefore, the ground water underlying the Facility is not hydraulically connected with waters to which the waste derived constituents released from the Facility are migrating or are likely to migrate in concentrations that would exceed the proposed GWRS.

Based on the information contained in the CMP, including the demonstration submitted pursuant to OAC Rule 3745-27-10(F)(8)(b), I have determined that remediation of the above-described release of waste derived constituents from the Facility is not necessary. Please note, however, that this determination does not affect my authority under OAC Rule 3745-27-10(F)(9) to require the owner or operator to undertake source control measures or other measures that may be necessary to eliminate or minimize further releases to ground water, to prevent exposure to ground water, or to remediate ground water to concentrations that are technically practicable and significantly reduce threats to human health and the environment, as site conditions warrant.

As proposed in the CMP, BFIO/Republic Services shall perform a series of institutional controls and continued operation and maintenance of existing source controls to address the impact to and prevent exposure to ground water. The institutional controls include fencing and locked gates, which limit access to the site. This reduces potential exposures to impacted ground water discharging to Tinkers Creek, and limits damage to source controls (i.e. landfill cap) from unauthorized dirt bikes and ATVs being driven on-site. The existing source controls include the landfill cap, active landfill gas extraction system, and the active leachate collection system. These source controls have already been implemented and have been effective at limiting further migration as evidenced by the stable or reduced concentrations of the waste derived constituents in ground water. This proposal is reasonable and protective of human health and the environment.

In addition to the proposed source controls, BFIO/Republic Services shall sample and analyze ground water and surface water semiannually at the Facility as described in the CMP. After each sampling event, BFIO/Republic Services shall evaluate the resulting data to determine if additional source controls are required in accordance with the standards established in the CMP. The long-term monitoring of ground water and surface water quality will determine if the release from the facility continues to remain stable or in decline and will serve as a measure to evaluate the effectiveness of the source controls.

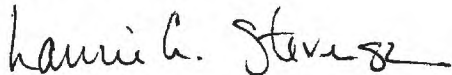
This letter shall not be construed to release the owner or operator from the obligation to comply with the requirements of any other ground water quality assessment monitoring program being conducted at the Facility.

You are hereby notified that this action of the Director or Environmental Protection (Director) is final and may be appealed to the Environmental Review Appeals Commission pursuant to ORC 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 Jeffrey Rizzo, Ohio EPA, NEDO at (330) 963-1115.

Sincerely,



Laurie A. Stevenson
Director

CWB:JR

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