



State of Ohio Environmental Protection Agency

STREET ADDRESS

Lazarus Government Center
122 S. Front Street
Columbus, OH 43215-1099

TELE: (614) 644-3020 FAX: (614) 644-2329

MAILING ADDRESS:

PO. Box 1049
Columbus, OH 43216-1049

I certify that the enclosed is a true and correct copy of the original as filed in the office of the Director of the Ohio Environmental Protection Agency.
By: *Allen J. Bradburn* 5/13/02

OHIO E.P.A.
MAY 13 2002
ENTERED DIRECTOR'S JOURNAL

MAY 13 2002

Allen J. Bradburn
Browning-Ferris Industries
5092 Aber Road
Williamsburg, Ohio 45176

**Re: BFI - Duck Creek Landfill, Washington County
Corrective Measures Plan Approval**

Dear Mr. Bradburn:

On October 9, 2001, the Ohio Environmental Protection Agency (Ohio EPA) received revisions to the submitted Corrective Measures Plan (CMP) for the closed Browning-Ferris Industries (BFI) Duck Creek Landfill. Additional copies were submitted on January 30, 2002. This document was submitted to Ohio EPA in accordance with Ohio Administrative Code (OAC) Rule 3745-27-10(F).

The BFI Duck Creek Landfill is located approximately one mile northeast of Marietta, Ohio along the border of Fearing and Marietta Townships, Washington County. The landfill, which covers about 20 acres, stopped receiving waste in December 1988. In October 1993, Ohio EPA received the facility's closure certification report. The first detection of trichloroethene (TCE) (2.3 ug/l) in monitoring well 23W occurred on July 22, 1993. A Groundwater Quality Assessment Work Plan was submitted in November 1993. The Final Groundwater Quality Assessment Report, which also identified sulfate as an assessment parameter, was submitted in July 1994. The original CMP was submitted in January 1995. Based upon Ohio EPA comments, revisions to the original CMP were submitted in April 1997. Low levels of cis-1, 2-dichloroethene (cis-1,2-DCE), believed to be related to the breakdown of TCE, were subsequently detected in monitoring well 23W and corrective measures for this contaminant were incorporated into the assessment program. The October 2001 CMP addresses TCE, cis-1,2-DCE, and sulfate in monitoring well 23W. This letter, which approves the CMP, establishes the ground water monitoring requirements for TCE, cis-1,2-DCE and sulfate in ground water monitoring well 23-W.

Bob Taft, Governor
Maureen O'Connor, Lieutenant Governor
Christopher Jones, Director

The proposed ground water remediation concentration levels for TCE, cis-1,2-DCE and sulfate are 5 ug/l, 70 ug/l, and 350ug/l, respectively.

Pursuant to OAC Rule 3745-27-10(F)(10), the October 2001 CMP is hereby approved and is to be implemented by the owner/operator of the BFI Duck Creek Landfill with the following conditions:

Conditions

1. BFI shall continue to implement the passive gas extraction system as a source control measure to prevent or reduce the release of landfill-derived constituents to ground water, in accordance with the requirements of OAC Rule 3745-27-10(F)(2)(c) and(F)(9).
2. If a threshold limit value established in the CMP is exceeded, BFI shall conduct a trend analysis. If an increasing trend is confirmed, BFI shall submit a source control effectiveness evaluation to Ohio EPA within 180 days of this determination to ensure continued compliance with OAC Rule 3745-27-10(F).
3. Additional ground water remedial actions shall be evaluated if a ground water concentration level exceedence is confirmed. Within 180 days of confirming the exceedence, BFI shall submit to Ohio EPA its reevaluation of corrective measures to ensure continued compliance with OAC 3745-27-10(F).

End of Conditions

You are hereby notified that this action of the Director of Environmental Protection 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 ground upon which the appeal is based. The appeal shall be filed with the Commission within 30 days after notice of the action. Notice of the filing of the appeal shall be filed with the Director within three (3) days after the appeal is filed with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
236 East Town Street
Room 300
Columbus, Ohio 43215

BFI Duck Creek Landfill, Washington County
Corrective Measures Plan Approval
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If you have any questions or require further assistance, please contact Mr. Trevor Irwin of Ohio EPA, Southeast District Office at (740) 380-5443.

Sincerely,

A handwritten signature in black ink, appearing to read "Christopher Jones". The signature is written in a cursive style with a large initial "C".

Christopher Jones
Director.

CJ/TI/jg

cc: Washington County Health Department
Trevor Irwin, DSIWM-SEDO