



State of Ohio Environmental Protection Agency

Northwest District Office

OHIO E.P.A.

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AUG 26 2002 Bob Taft, Governor
Christopher Jones, Director

AUG 26 2002

ENTERED DIRECTOR'S JOURNAL

Crawford County Board of Commissioners
Crawford County Courthouse
112 East Mansfield Street
Bucyrus, Ohio 44820

Re: Crawford County Landfill, Crawford County
Ohio Administrative Code Rule 3745-27-10(D)(7)(c) authorization

Dear Commissioners:

On July 8, 2002, Civil & Environmental Consultants, Inc. (CEC) submitted to the Ohio Environmental Protection Agency (Ohio EPA) a request, pursuant to Ohio Administrative Code (OAC) Rule 3745-27-10(D)(7)(c), documenting that a statistically significant increase at Z-1 for sodium during the March 2002 annual sampling event is not the result of impact from the Crawford County Landfill.

During the March 2002 annual sampling event, sodium was statistically significant (22 mg/L) at monitoring well Z-1. Monitoring well Z-1 is screened in the significant zone of saturation in the southeast portion of the facility.

To confirm/refute this statistically significant increase, a resampling event was performed on June 5, 2002, at Z-1. For this resampling event, Z-1 was analyzed for both total sodium and dissolved sodium. The results of this resampling event indicated sodium concentrations of 27 mg/L (total sodium) and 28 mg/L (dissolved sodium). Therefore, the results of this resampling event confirm the statistically significant sodium increase at Z-1 during the March 2002 sampling event.

However, the July 8, 2002, letter from CEC includes additional information to provide a further demonstration for the statistically significant sodium increase at Z-1, The County's demonstration for Z-1 is detailed below.

To support a demonstration in accordance with Ohio Administrative Code (OAC) Rule 3745-27-10(D)(7)(c), the July 8, 2002, letter from CEC states, "**...it appears as if the original four sampling dates (8/97, 11/97, 12/97, and 2/98) range from 16.9 mg/l to 19 mg/l. The subsequent sampling events for sodium in Z-1 are grouped with concentrations of sodium in the 20 - 28 mg/l ranges. Since February 1998 ... the sodium concentrations in Z-1 have stabilized and do not show any trend...**". Previous sodium concentrations at Z-1 have been as high as 30 mg/L (March 2001) and the sodium concentrations have been decreasing at Z-1 over the last four sampling events.

Therefore, pursuant to OAC Rule 3745-27-10(D)(7)(c), I hereby approve this demonstration and the owner/operator of the Crawford County Landfill may continue detection monitoring at monitoring well Z-1.

I certify this to be a true and accurate copy of the
official document as filed in the records of the Ohio
Environmental Protection Agency

Should future or existing ground water sampling results indicate statistically significant increases in ground water quality for other parameters, the facility owner/operator will be required to enter into assessment monitoring in accordance with OAC Rule 3745-27-10(E), or obtain similar approval to remain in detection monitoring.

You are hereby notified that this action of the 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 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 of environmental protection 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

If you have any questions concerning this document, you may contact Mary Ann Miller at the Ohio EPA, Northwest District Office, at (419) 373-3060.

Sincerely,



Edwin J. Hamrnett, Chief
Northwest District Office for
Christopher Jones, Director

MAM/cs

pc: Ms. Jackie Ward, Crawford County Health Department
Mr. John DeNunzio, CEC
Mr. Ken Brock, Ohio EPA, DDAGW-NWDO
Ms. Mary Ann Miller, Ohio EPA, DSIWM-NWDO
Mr. Richard Strickland, Environmental Services