



State of Ohio Environmental Protection Agency

Southeast District Office

2195 Front Street
Logan, Ohio 43138

TELE: (740) 385-8501 FAX: (740) 385-6490
www.epa.state.oh.us

Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director

December 16, 2009

Re: Pretreatment
Cross Ridge Landfill
Permit No. ODP00004*CP
Jefferson County "M"
Sampling Inspection

Mr. Joseph Scugoza, President
Cross Ridge Landfill
3250 C.R. 26
P.O. Box 2219
Wintersville, Ohio 43953

Dear Mr. Scugoza:

On October 28, 2009, Ohio EPA conducted a compliance sampling inspection at Cross Ridge Landfill. The inspection was conducted to evaluate the facility's compliance with federal and state pretreatment regulations and its Indirect Discharge Permit (IDP). Leachate samples were collected to obtain additional information on the characteristics of the leachate. There was no discharge of the leachate to the POTW on the date of the inspection. Samples were collected from the accumulated water in the leachate sump adjacent to the truck loading pad. Samples were also collected from the landfill sedimentation pond, referred to as Outfall 001 in the NPDES permit. A copy of all sampling results is attached for your information. You and Dennis Scugoza represented Cross Ridge Landfill during the inspection.

General Facility Description:

Cross Ridge Landfill was formerly operated as a sanitary waste disposal landfill. Waste receipt was discontinued in the mid 1990s. The landfill has not been capped to date.

The landfill leachate flows to a collection sump. Tanker trucks are loaded on a bermed concrete pad. The leachate is then hauled to the Jefferson County "M" POTW. Samples are collected directly from the discharge hose during unloading at the POTW and manually composited.

Cross Ridge Landfill is regulated as a Significant Industrial User by Ohio EPA.

Cross Ridge Landfill reported discharging an average of 84,000 gallons per month to date during calendar year 2009. The maximum monthly discharge was 168,000 gallons in May.

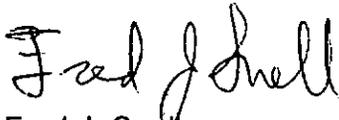
Comments:

Effluent monitoring reports submitted for the July through December, 2008 and January through June, 2009 reporting periods were reviewed. Flow information was not included on either report. The actual flow discharged on the date of sample collection should be reported in the flow column on each report, unless an acceptable alternative or explanation is provided with the report. Failure to include required information on the monitoring reports is a violation of the Indirect Discharge Permit. Cross Ridge should submit amended effluent monitoring reports for the above referenced reporting periods.

Cross Ridge Landfill appeared to be in substantial compliance with the terms and conditions of its IDP at the time of the inspection.

Please respond to this letter, in writing, within 30 days. If there are any questions, please contact me at (740) 380-5423.

Sincerely,



Fred J. Snell
Pretreatment Coordinator
Division of Surface Water

FJS/jg/dh

Enclosure

- c: John Gilmore P.E., Sanitary Engineer, Jefferson County Water and Sewer District
- c: Pretreatment Unit, DSW, CO

PRETREATMENT Compliance Inspection Report

A. NATIONAL DATA SYSTEM CODING

Permit No.	NPDES No.	Date	Inspection Type	Inspector	Facility Type
ODP000004*CP	OHP000038	October 28, 2009	2	S	2

B. FACILITY DATA

Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Cross Ridge Landfill 3250 CR 26, PO Box 2219 Wintersville, Ohio 43953	11:00 am	2/1/2009
	Exit Time	Permit Expiration Date
	1:00 pm	1/31/2014

Name(s) and Title(s) of On-Site Representative(s)	Phone Number(s)
Joseph Scugoza, President Dennis Scugoza, Maintenance Manager	(740) 264-4725
Name, Address and Title of Responsible Official	Phone Number
Joseph Scugoza, President	(740) 264-4725

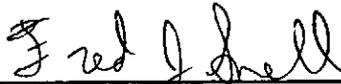
C. AREAS EVALUATED DURING INSPECTION

S = Satisfactory
M = Marginal
U = Unsatisfactory
N = Not Evaluated

<u>S</u> Permit	<u>NA</u> Flow Measurement	<u>NA</u> Pretreatment
<u>M</u> Records/Reports	<u>S</u> Laboratory	<u> </u> Compliance Schedules
<u>M</u> Operations & Maintenance	<u>S</u> Effluent/Receiving Waters	<u>S</u> Self-Monitoring Program
<u>S</u> Facility Site Review	<u>NA</u> Sludge Storage/Disposal	<u> </u> Other
<u>S</u> Collection System		

D. SUMMARY OF FINDINGS/COMMENTS(attach additional sheets if necessary)

See attached letter.



 Fred J. Snell, Inspector, Ohio EPA, Southeast District Office 12/14/09
Date



 Timothy M. Campbell, Reviewer, Ohio EPA, Southeast District Office 12/16/09
Date

TABLE I

OHIO EPA FIELD DATA

FACILITY: Crossridge Landfill, Jefferson County

DATES SAMPLED: October 28, 2009

<u>Station</u>	<u>Date</u>	<u>Time</u>	<u>Parameter</u>	<u>Units</u>	<u>Value</u>	<u>Permit Limits</u>
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Crossridge Landfill leachate

	10/28	1230	pH	S.U.	8.70	-
			Temperature	°C	14.01	-
			Dissolved oxygen	mg/l	8.23	-
			Conductivity	umhos/cm	3374	-

Crossridge Landfill outfall 001

	10/28	1245	pH	S.U.	8.81	6.5-9.0
			Temperature	°C	9.80	-
			Dissolved oxygen	mg/l	8.85	-
			Conductivity	umhos/cm	1030	-

TABLE II

OHIO EPA LAB DATA

FACILITY: Crossridge Landfill, Jefferson County

DATES SAMPLED: October 28, 2009

OHIO EPA RESULTS

<u>STATION</u>	<u>T*</u>	<u>PARAMETER</u>	<u>UNITS</u>	<u>CONC.</u>	<u>(KG/D) LOAD.</u>
Crossridge Landfill leachate					
G		Susp. solids	mg/l	134	-
G		Diss. solids	mg/l	2110	-
G		Total solids	mg/l	2320	-
G		BOD ₅	mg/l	11	-
G		Ammonia	mg/l	80.1	-
G		COD	mg/l	158	-
G		Nitrite	mg/l	0.028	-
G		Nitrite/nitrate	mg/l	0.85	-
G		Phosphorus	mg/l	0.052	-
G		TKN	mg/l	74.5	-
G		Sulfate	mg/l	554	-
G		Aluminum, tot.	ug/l	340	-
G		Arsenic, tot.	ug/l	2.6	-
G		Barium, tot.	ug/l	107	-
G		Cadmium, tot.	ug.l	<0.2	-
G		Chromium, tot.	ug/l	6.5	-
G		Copper, tot.	ug/l	6.8	-
G		Iron, tot.	ug/l	6730	-
G		Lead, tot.	ug/l	<2.0	-
G		Magnesium, tot.	ug.l	121	-
G		Manganese, tot.	ug/l	4120	-
G		Mercury, tot.	ug/l	<0.2	-
G		Nickel, tot.	ug/l	29.6	-
G		Potassium, tot.	ug/l	74	-

Crossridge Landfill leachate (con't)

OHIO EPA RESULTS

STATION	T*	PARAMETER	UNITS	CONC.	(KG/D) LOAD.
G		Selenium, tot.	ug/l	4.8	-
G		Sodium, tot.	ug/l	234	-
G		Strontium, tot.	ug/l	924	-
G		Zinc, tot.	ug/l	<10	-

Crossridge Landfill outfall 001

G		Susp. solids	mg/l	5	-
G		Diss. solids	mg/l	886	-
G		Total solids	mg/l	926	-
G		BOD ₅	mg/l	2.0	-
G		Ammonia	mg/l	0.084	-
G		COD	mg/l	35	-
G		Nitrite	mg/l	<0.02	-
G		Nitrite/nitrate	mg/l	<0.10	-
G		Phosphorus	mg/l	0.023	-
G		TKN	mg/l	1.93	-
G		Sulfate	mg/l	508	-
G		Aluminum, tot.	ug/l	<200	-
G		Arsenic, tot.	ug/l	<2.0	-
G		Barium, tot.	ug/l	19	-
G		Cadmium, tot.	ug/l	<0.2	-
G		Chromium, tot.	ug/l	<2.0	-
G		Copper, tot.	ug/l	<2.0	-
G		Iron, tot.	ug/l	189	-
G		Lead, tot.	ug/l	<2.0	-
G		Magnesium, tot.	ug/l	43	-
G		Manganese, tot.	ug/l	309	-
G		Mercury, tot.	ug/l	<0.2	-
G		Nickel, tot.	ug/l	5.4	-
G		Potassium, tot.	ug/l	6	-
G		Selenium, tot.	ug/l	<2.0	-
G		Sodium, tot.	ug/l	<5.0	-
G		Strontium, tot.	ug/l	470	-
G		Zinc, tot.	ug/l	<10	-

*SAMPLE TYPE: G=grab

The following organic (volatile, semi-volatile, and PCB/pesticide compounds) parameters were detected in the **Crossridge Landfill leachate sample**. All units are ug/l.

USEPA Method 608

No organic parameters detected under method 608

USEPA Method 624

Chloroethane	0.61
cis-1,2-Dichloroethene	1.30

USEPA Method 625

No organic parameters under this method were detected.
All other organic parameters which were tested were below the detection limit.

NOTE: At the 001 discharge from the pond, there was only a very small trickle through the rocks; so the sample was in a clean, plastic bucket, from discharge area of pond, near the outfall area. No organic parameters were tested, since there was not actually a discharge occurring.