



**Environmental
Protection Agency**

Ted Strickland, Governor
Lee Fisher, Lt. Governor
Chris Korleski, Director



1IN0014220090922

BROWN

RUMPKE WASTE INC BROWN COUNTY
LANDFILL *

PIEKUTOWSKI, MA 2009/09/22



State of Ohio Environmental Protection Agency
Southwest District

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Dayton, Ohio 45402-2911

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Ted Strickland, Governor
Lee Fisher, Lt. Governor
Chris Korleski, Director

September 29, 2009

Mr. John Hattersley
Rumpke Waste, Inc.
10795 Hughes Road
Cincinnati, Ohio 45251

**Re: Rumpke/Brown Co. LF & Adams Co. LF – IU Inspections
Rumpke Brown Co. CEI - OH0109193;1IN00142*BD**

Dear Mr. Hattersley:

On September 17, 2009, I conducted the annual pretreatment wastewater inspections at the Brown County and Adams County Landfill. In addition, I conducted a NPDES Pre-Permit and Compliance Evaluation Inspection (CEI) at the Brown County landfill for the facility's NPDES permit. Rumpke was represented by Jim Hext and you. These sites are considered to be significant industrial users (SIUs) because of their potential to impact the wastewater treatment plants. The inspection at Adams County covered the leachate collection tanks. The inspection at Brown County covered the leachate collection tanks, the leachate collection telemetry system, the constructed wetlands, and the storm water retentions ponds and their associated discharges.

Permitting

Rumpke has two effective indirect discharge permits for the Brown and Adams Counties landfills. The Brown County site is discharging its leachate to the Village of Georgetown Wastewater Treatment Plant (WWTP). Rumpke has an indirect discharge permit for the Village of Georgetown for the Adams County landfill. The leachate from Adams County is discharged to the same manhole the leachate from Georgetown is discharged. The NPDES permit for the storm water/sedimentation pond discharges from the Brown County site has been effective since April 1, 2005. A portion of this inspection was to verify and update the information included in the facility's renewal application. The renewal application was submitted in a timely manner. The facility is waiting on a storm event to complete the monitoring required for the renewal application. This was addressed in a comment letter dated August 19, 2009. In addition, historical data will be used for outfall 003 since it is under construction at this time.

Sampling

Rumpke is submitting its sampling data using e-DMR. The sampling data for the indirect discharge permit is being submitted on the 4519 form, while the sampling data for the NPDES permit are submitted on the 4500 form. There were no violations for either of the two indirect discharge permits. The pH sampling for the indirect discharge permits is now







State of Ohio Environmental Protection Agency
Southwest District Office

NPDES Compliance Inspection Report

Section A: National Data System Coding					
Permit #	NPDES#	Month/Day/Year	Inspection Type	Inspector	Facility Type
1IN00142*BD	OH0109193	09/17/2009	C	S	2

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Rumpke Waste, Inc. Brown County Landfill 9427 Beyers Road Georgetown, Ohio 45121	12:00 pm	04/01/2005
	Exit Time	Permit Expiration Date
	2:00 pm	03/31/2010
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
John Hattersley, Site Engineer Jim Hext, Landfill Manager	513.851.0122x3162 937.378.4126x7612	
Name, Address and Title of Responsible Official	Phone Number	
William J. Rumpke, Co-President Rumpke Waste, Inc. 10795 Hughes Road Cincinnati, Ohio 45251	513.851.0122	

Section C: Areas Evaluated During Inspection					
(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)					
S	Permit	N	Flow Measurement	N	Pretreatment
S	Records/Reports	N	Laboratory	N	Compliance Schedule
N	Operations & Maintenance	S	Effluent/Receiving Waters	N	Self-Monitoring Program
S	Facility Site Review	N	Sludge Storage/Disposal	N	Other
N	Collection System				

Section D: Summary of Findings (Attach additional sheets if necessary)			
See attached letter.			
Inspector		Reviewer	
Marianne Piekutowski Division of Surface Water Southwest District Office		Martyn Burt Compliance & Enforcement Supervisor Division of Surface Water Southwest District Office	
Date		Date	





State of Ohio Environmental Protection Agency
Southwest District Office

Pretreatment Compliance Inspection Report

Section A: National Data System Coding					
Permit #	NPDES#	Month/Day/Year	Inspection Type	Inspector	Facility Type
1DP00048*AP	OHP000203	09/17/2009	I	S	2

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Adams County Landfill 4150 Pumpkin Ridge Road West Union, Ohio	10:00 am	08/01/2005
	Exit Time	Permit Expiration Date
	11:00 am	07/31/2010
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
John Hattersley/Civil Engineer	513.851.0122x3162	
POTW Receiving Discharge	Categorical Standard(s) or Other Classification	
Village of Georgetown WWTP	Potential to Adversely Impact the Wastewater Treatment Plant	

Section C: Areas Evaluated During Inspection			
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S	Pretreatment		

Section D: Summary of Findings (Attach additional sheets if necessary)	

Inspector	Reviewer
Marianne Piekutowski Division of Surface Water Southwest District Office	Martyn Burt Compliance & Enforcement Supervisor Division of Surface Water Southwest District Office
Date	Date





State of Ohio Environmental Protection Agency
Southwest District Office

Pretreatment Compliance Inspection Report

Section A: National Data System Coding					
Permit #	NPDES#	Month/Day/Year	Inspection Type	Inspector	Facility Type
1DP00033*DP	OHP00020	09/17/2009	I	S	2

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Date		Date	



September 29, 2009

Page 2

being done in the field. The pH sampling for the NPDES permit is being done in the field.

There have been two violations of the facility's NPDES permit. These violations were:

EFFLUENT LIMIT VIOLATIONS

Station No. 11N00142002

Parameter	Code	Date	Reported	Units	Permit Limit
TSS	00530	06/10/09	184	mg/L	65 mg/L
TSS	00530	08/04/09	72.5	mg/L	65 mg/L

Rumpke provided the necessary notifications and the reasons for these violations. Please be advised that failure to comply with the effluent limitations, or to satisfy monitoring or reporting requirements of your NPDES permit may be cause for enforcement action pursuant to the Ohio Revised Code Chapter 6111.

Other Items

The bleach totes noted in the last inspection report have been removed.

The outfalls from two of the three sediment ponds were not discharging at the time of the inspection. The water level in 001 was down approximately six inches from the top of the weir wall. There was a slight trickle from outfall 002. This was being done to determine if this would prevent the algae build up. The sediment pond for outfall 003 is in the process of being relocated and built. There is currently no discharge associated with this outfall. The two tributaries were observed after leaving the inspection. The tributary closest to State Route 68 was dry and did not have any flow. The second tributary had a trickle of flow. The flow in the tributary was clear. The sediment deposits that had been noted in past inspections were gone. The tributaries looked good.

Construction is almost complete on the sediment pond for outfall 002. There is a sediment trap at the head of the pond that still needs the clay lining. Once that is complete the construction portion will be completed. The reason the trap is being put in is to allow the sediment to be removed from the pond without disturbing the entire pond. Seeding of the pond will be done this fall. The pond is outfitted with a skimmer to remove the water to be discharged from the top of the water column.

The constructed wetlands (Wetland A) that were part of the 401 permitting have vegetation



September 29, 2009

Page 3

growing in them. The sediment pond that is discharged through outfall 001 also feeds these

wetlands. American lotus plants covered approximately two thirds of the sediment pond. In late September/October, there is to be a wetlands assessment to determine if the vegetation is invasive or the desired species. This report is due at the end of 2009. This will determine what needs to be replanted in the spring. This will be done throughout the project.

The stream mitigation projects will begin next year. The downstream portion of the cattle exclusion will be done in 2010. The second half will be done during 2011. This will allow Rumpke to meet the 2011 deadline.

On September 12, 2009, the landfill held an open house for the community. Bus tours of the landfill and the associated areas were included. A green heron was spotted that day.

The leachate tanks at the Adams County facility have a telemetry system. This measures the level in the tank receiving the leachate. When it reaches the high level mark, an alarm will be sent. The leachate will then flow into the second tank until the tanks are pumped.

The new ammonia limit for the Village of Georgetown was also discussed during the inspection. The float levels in the lift station have been adjusted to provide a more consistent stream of wastewater from the lift station. Rumpke has not heard anything else from the Village regarding this matter. The discussions at the inspection included other things the landfill can do to help even out the leachate flow for the Village. This included metering the flow into the collection system during the operational hours for the landfill, and discharging over a twenty-four hour period or at night when the flows are down from the residents. Rumpke should have some flexibility with this as the expansion occurs for discharging the leachate.

If you would have any additional questions, feel free to contact me at 937.285.6108.

Sincerely,



Marianne Piekutowski
District Pretreatment Coordinator
Division of Surface Water

Enclosures

Cc: Derrick Copas, Georgetown
Ryan Laake, DSW/CO

Jim Hext, Rumpke





State of Ohio Environmental Protection Agency
Southwest District Office

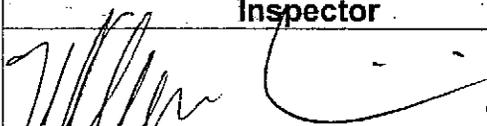
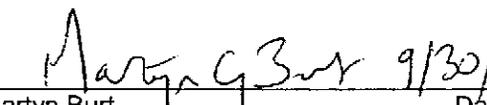
Pretreatment Compliance Inspection Report

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Section D: Summary of Findings (Attach additional sheets if necessary)	

Inspector	Reviewer
 Marianne Piekutowski Division of Surface Water Southwest District Office	 Martyn Burt Compliance & Enforcement Supervisor Division of Surface Water Southwest District Office
Date 9/29/09	Date 9/30/09



11



State of Ohio Environmental Protection Agency
Southwest District Office

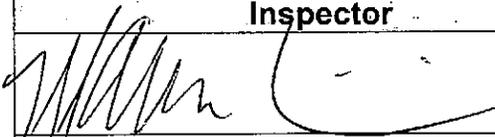
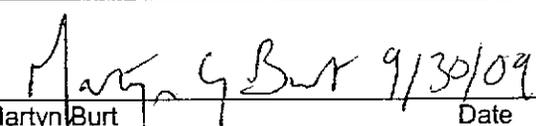
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Inspector	Reviewer
 Matianne Piekutowski Division of Surface Water Southwest District Office Date: 9/29/09	 Martyn Burt Compliance & Enforcement Supervisor Division of Surface Water Southwest District Office Date: 9/30/09





State of Ohio Environmental Protection Agency
Southwest District Office

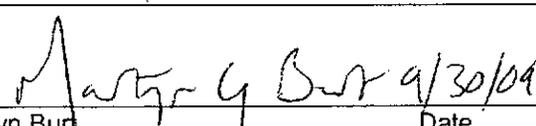
NPDES Compliance Inspection Report

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Section D: Summary of Findings (Attach additional sheets if necessary)
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11

Sections E thru K: Complete on all inspections as appropriate
Y – Yes, N – No, N/A – Not Applicable, N/E – Not Evaluated

Section E: Permit Verification

Inspection observations verify the permit

- (a) Correct name and mailing address of permittee Y
- (b) Correct name and location of receiving waters..... Y
- (c) Product(s) and production rates conform with permit application (Industries)..... NA
- (d) Flows and loadings conform with NPDES permit..... Y
- (e) Treatment processes are as described in permit application... Y
- (f) New treatment process(es) added since last inspection..... N
- (g) Notification given to State of new, different or increased discharges..... N
- (h) All discharges are permitted..... Y
- (i) Number and location of discharge points are as described in permit..... Y

Comments/Status:

f) Relocating pond 003.
i) Most of the new outfalls will not be discharging in the near future.

Section E: Permit Verification

- (a) Any significant violations since the last inspection..... N
- (b) Permittee is taking actions to resolve violations..... NA
- (c) Permittee has a compliance schedule..... N
- (d) Compliance schedule contained in
- (e) Permittee is meeting compliance schedule..... NA

Comments/Status:

There were two Total Suspended Solids violations due to construction at outfall 002 and possibly algae in the sample. These were not significant violations.



Section G: Operation & Maintenance

Treatment Works:

Treatment facility properly operated and maintained

- (a) Standby power available.....generator or dual feed NA
- (b) Adequate alarm system available for power or equipment failures.. NA
- (c) All treatment units in service other than backup units..... NA
- (d) Operator holds unexpired license of class required by permit..... NA
Class: I
- (f) Routine and preventative maintenance schedule/performed
on time..... NA
- (g) Any major equipment breakdown since last inspection..... NA
- (h) Operation and maintenance manual provided and maintained..... NA
- (i) Any plant bypasses since last inspection..... NA
- (j) Regulatory agency notified of bypasses..... NA
On MORs and/or Spill Hotline (1-800-282-9378)
- (k) Any hydraulic and/or organic overloads since last inspection..... NA

Collection System:

- (a) Percent combined system: %
- (b) Any collection system overflows since last inspection..... NA
(CSO and/or SSO)
- (c) Regulatory agency notified of overflows (SSOs)..... NA
- (d) CSO O&M plan provided and implemented..... NA
- (e) CSOs monitored and reported in accordance with permit..... NA
- (f) Portable pumps used to relieve system..... NA
- (g) Lift station alarms provided and maintained..... NA
- (h) Are lift stations equipped with permanent standby power
or equivalent..... NA
- (i) Is there an inflow/infiltration problem (separate sewer system),
or were there any major repairs to collection system since
last inspection..... NA
- (j) Any complaints received since last inspection of basement flooding NA
- (k) Are any portions of the sewer system at or near capacity..... NA

Comments/Status:



11

Section H: Sludge Management

- (a) Sludge management plan (SMP)
Submitted date: Approval #: Not submitted N/A X
- (b) Sludge management plan current..... NA
(c) Sludge adequately disposed..... NA
 (Method:)
(d) If sludge is incinerated, where is ash disposed of
(e) Is sludge disposal contracted..... NA
 (Name:)
(f) Has amount of sludge generated changed significantly since
 last inspection..... NA
(g) Adequate sludge storage provided at plant..... NA
(h) Land application sites monitored and inspected per SMP..... NA
(i) Records kept in accordance with State and Federal law..... NA
(j) Any complaints received in last year regarding sludge..... NA
(k) Is sludge adequately processed (digestion, pathogen control)..... NA

Comments/Status:

Section I: Self-Monitoring Program

Flow Measurement:

- (a) Primary flow measuring device operated and maintained..... NE
Type of device: Ultrasonic & Parshall flume Ultrasonic & Weir Weir
Calculated from influent Other (Specify:)
- (b) Calibration frequency adequate NE
 (Date of last calibration:)
(c) Secondary instruments operated and maintained..... NE
(d) Flow measurement equipment adequate to handle full range
 of flows..... NE
(e) Actual flow discharged is measured..... NE
(f) Flow measuring equipment inspection frequency
 Daily Weekly monthly other

Comments/Status:

The flow rates are from calculations based on the amount of rainfall.



12

Section I: Self-Monitoring Program (con't)

Sampling:

- (a) Sampling location(s) are as specified by permit..... Y
- (b) Parameters and sampling frequency agree with permit..... Y
- (c) Permittee uses required sampling method..... Y
- (d) Sample collection procedures are adequate..... Y
 - (i) Samples refrigerated during compositing..... NA
 - (ii) Proper preservation techniques used..... Y
 - (iii) Containers and sample holding times prior to analysis conform with 40 CFR 136.3..... Y
- (e) Monitoring records (i.e., flow, pH, DO) maintained for a minimum of three years including all original strip chart recordings (i.e, continuous monitoring instrumentation, calibration and maintenance records)..... Y
- (f) Adequate records maintained of sampling date, time, location, etc.. Y

Laboratory:

General

- (a) EPA approved analytical testing procedures used (40 CFR 136.3).. Y
 - (b) If alternate analytical procedures are used, proper approval has been obtained..... NA
 - (c) Analyses being performed more frequently than required by permit. N
 - (d) If (c) is yes, are results in permittee's self-monitoring report..... NA
 - (e) Commercial laboratory used..... Y
- Parameters analyzed by commercial lab: **BOD, TSS, NH3, O&G, COD Metals, TDS, Conductivity**

Lab name: **Test America**

Quality Control/Quality Assurance

- (f) Quality assurance manual provided and maintained..... Y
- (g) Satisfactory calibration and maintenance of instruments/equipment. NA
- (h) Adequate records maintained..... Y
- (i) Results of latest USEPA quality assurance performance sampling program: Satisfactory Marginal Unsatisfactory

Date: **Unknown.**

Comments/Status:

Use the contract laboratory's QA/QC manual. The pH samples are now being run in the field. The pH meters are calibrated using a two point titration.



Section J: Effluent/Receiving Water Observations

Outfall Number	Oil sheen	Grease	Turbidity	Visible Foam	Visible Floating Solids	Color	Other
001	NA	NA	NA	NA	NA	NA	NA
002	NA	NA	NA	NA	NA	NA	NA
003	NA	NA	NA	NA	NA	NA	NA

Comments/Status:

There was no discharge from outfall 001 the day of the inspection. Outfall 002 had a small trickle coming out to see about preventing the growth of algae. Outfall 003 is currently not operational. The facility is constructing the pond in its final location. There was no flow in the tributary closest to State Route 68, the secondary tributary had a small trickle of clear water, but no significant flow. The wetlands had vegetation growing. An assessment of the wetland to be done in September/October 2009.

Section K: Multimedia Observations

- (a) Are there indications of sloppy housekeeping or poor maintenance in work and storage areas or laboratories..... N
- (b) Do you notice staining or discoloration of soils, pavement or floors.. N
- (c) Do you notice distressed (unhealthy, discolored, dead) vegetation.. N
- (d) Do you see unidentified dark smoke or dust clouds coming from sources other than smokestacks..... N
- (e) Do you notice any unusual odors or strong chemical smells..... N
- (f) Do you see any open or unmarked drums, unsecured liquids, or damaged containment facilities..... N

If any of the above are observed, ask the following questions:

- (1) What is the cause of the condition?
- (2) Is the observed condition or source a waste product?
- (3) Where is the suspected contaminant normally disposed?
- (4) Is this disposal permitted?
- (5) How long has the condition existed and when did it begin?

Comments/Status:



Permit # 1IN00142*BD
NPDES #: OH0109193

