

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

811 Solid Waste Landfill Inspection Checklist

County: DeWitt LPC#: 0390055036 Region: 4 - Champaign
 Location/Site Name: Clinton/Clinton Landfill #3
 Date: 02/22/2016 Time: From 1:50 P.M. To 2:50 P.M Previous Inspection Date: 12/07/2016
 Inspector(s): Dustin Burger Weather: Very foggy, low 50s
 No. of Photos Taken: # 7 Samples Taken: Yes # No
 Interviewed: Dave Byrant, Manager Facility Phone No.: 217/935-8028

Permitted Owner Mailing Address
 Clinton Landfill 3
 4700 Sterling Ave. P.O. Box 9071
 Peoria, IL 61612-9071

Permitted Operator Mailing Address
 Clinton Landfill 3
 9550 Heritage Road-C
 Clinton, IL 61727

Chief Operator Mailing Address
 Ron Welk
 4700 Sterling Ave. P.O. Box 9071
 Peoria, IL 616-9071

Certified Operator Mailing Address
 Ron Welk
 4700 Sterling Ave. P.O. Box 9071
 Peoria, IL 616-9071

AUTHORIZATION: **OPERATIONAL STATUS:** **TYPE OF OPERATION:**
 Significant Modification Permit Operating Existing Landfills 814-Subpart C
 Initial: 2005-070-LF Closed-Not Certified. 814-Subpart D
 Latest Mod 57 Exp. 2/15/17 Closed-Date Certified: New Landfills: 811-Putres./Chem.

	SECTION	DESCRIPTION	VIOL
ILLINOIS ENVIRONMENTAL PROTECTION ACT REQUIREMENTS			
1.	9(a)	CAUSE, THREATEN OR ALLOW AIR POLLUTION IN ILLINOIS	<input type="checkbox"/>
2.	9(c)	CAUSE OR ALLOW OPEN BURNING	<input type="checkbox"/>
3.	12(a)	CAUSE, THREATEN OR ALLOW WATER POLLUTION IN ILLINOIS	<input type="checkbox"/>
4.	12(d)	CREATE A WATER POLLUTION HAZARD	<input type="checkbox"/>
5.	12(f)	CAUSE, THREATEN OR ALLOW DISCHARGE WITHOUT OR IN VIOLATION OF AN NPDES PERMIT	<input type="checkbox"/>
6.	21(a)	CAUSE OR ALLOW OPEN DUMPING	<input type="checkbox"/>
7.	21(d)	CONDUCT ANY WASTE-STORAGE, WASTE-TREATMENT, OR WASTE- DISPOSAL OPERATION:	
	(1)	Without a Permit or in Violation of Any Conditions of a Permit (See Permit Provisions)	<input type="checkbox"/>
	(2)	In Violation of Any Regulations or Standards Adopted by the Board	<input type="checkbox"/>
8.	21(e)	DISPOSE, TREAT, STORE, OR ABANDON ANY WASTE, OR TRANSPORT ANY WASTE INTO THE STATE AT/TO SITES NOT MEETING REQUIREMENTS OF ACT AND REGULATIONS	<input type="checkbox"/>
9.	21(f)(1)	CONDUCT ANY HAZARDOUS WASTE-STORAGE, TREATMENT OR DISPOSAL OPERATION WITHOUT A RCRA PERMIT.	<input type="checkbox"/>

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10.	21(o)	CONDUCT A SANITARY LANDFILL OPERATION WHICH RESULTS IN ANY OF THE FOLLOWING CONDITIONS:	
	(1)	Refuse in Standing or Flowing Water	<input type="checkbox"/>
	(2)	Leachate Flows Entering Waters of the State	<input type="checkbox"/>
	(3)	Leachate Flows Exiting the Landfill Confines	<input type="checkbox"/>
	(4)	Open Burning of Refuse in Violation of Section 9 of the Act	<input type="checkbox"/>
	(5)	Uncovered Refuse Remaining From Any Previous Operating Day or at the Conclusion of Any Operating Day	<input type="checkbox"/>
	(6)	Failure to Provide Final Cover Within Time Limits	<input type="checkbox"/>
	(7)	Acceptance of Wastes Without Necessary Permits	<input type="checkbox"/>
	(8)	Scavenging as Defined by Board Regulations	<input type="checkbox"/>
	(9)	Deposition of Refuse in Any Unpermitted Portion of the Landfill	<input type="checkbox"/>
	(10)	Acceptance of Special Waste Without a Required Manifest	<input type="checkbox"/>
	(11)	Failure to Submit Reports Required by Permits or Board Regulations	<input type="checkbox"/>
	(12)	Failure to Collect and Contain Litter by the End of each Operating Day	<input type="checkbox"/>
	(13)	Failure to Submit Any Cost Estimate, Performance Bond or Other Security	<input type="checkbox"/>
11.	21(t)	CAUSE OR ALLOW A LATERAL EXPANSION OF A MUNICIPAL SOLID WASTE LANDFILL (MSWLF) UNIT WITHOUT A PERMIT MODIFICATION	<input type="checkbox"/>
12.	21.6(b)	ACCEPTANCE OF LIQUID USED OIL FOR FINAL DISPOSAL (EFFECTIVE JULY 1, 1996)	<input type="checkbox"/>
13.	22.01	FAILURE TO SUBMIT ANNUAL NONHAZARDOUS SPECIAL WASTE	<input type="checkbox"/>
14.	22.17	LANDFILL POST-CLOSURE CARE	
	(a)	Failure to Monitor Gas, Water, Settling	<input type="checkbox"/>
	(b)	Failure to Take Remedial Action	<input type="checkbox"/>
15.	22.22(c)	ACCEPTANCE OF LANDSCAPE WASTE FOR FINAL DISPOSAL	<input type="checkbox"/>
16.	22.23(f)(2)	CAUSE OR ALLOW THE DISPOSAL OF ANY LEAD-ACID BATTERY	<input type="checkbox"/>
17.	22.28(b)	ACCEPTANCE OF WHITE GOODS FOR FINAL DISPOSAL	<input type="checkbox"/>
18.	55(b)(1)	ACCEPTANCE OF ANY USED OR WASTE TIRE FOR FINAL DISPOSAL (UNLESS LANDFILL MEETS EXEMPTION OF 55(b)(1))	<input type="checkbox"/>
19.	56.1(a)	CAUSE OR ALLOW THE DISPOSAL OF ANY POTENTIALLY INFECTIOUS MEDICAL WASTE	<input type="checkbox"/>
SOLID WASTE SITE OPERATOR CERTIFICATION LAW REQUIREMENTS			
20.	225 ILCS 230/1004	CAUSING OF ALLOWING OPERATION OF A LANDFILL WITHOUT PROPER COMPETENCY CERTIFICATE	<input type="checkbox"/>
35 ILLINOIS ADMINISTRATIVE CODE REQUIREMENTS SUBTITLE G			
PRIOR CONDUCT CERTIFICATION REQUIREMENTS			
21.	745.181	CHIEF OPERATOR REQUIREMENTS	<input type="checkbox"/>
22.	745.201	PRIOR CONDUCT CERTIFICATION PROHIBITIONS	<input type="checkbox"/>
SPECIAL WASTE HAULING REQUIREMENTS			
23.	809.301	REQUIREMENTS FOR DELIVERY OF SPECIAL WASTE TO HAULERS	<input type="checkbox"/>

24.	809.302(a)	REQUIREMENTS FOR ACCEPTANCE OF SPECIAL WASTE FROM HAULERS	<input type="checkbox"/>
25.	809.501	MANIFESTS, RECORDS, ACCESS TO RECORDS, REPORTING REQUIREMENTS AND FORMS	
	(a)	Delivery of Special Waste to Hauler	<input type="checkbox"/>
	(e)	Retention of Special Waste Manifests	<input type="checkbox"/>
NEW SOLID WASTE LANDFILL REQUIREMENTS			
	PART 811 SUBPART	GENERAL STANDARDS FOR ALL LANDFILLS	
26.	811.103	SURFACE WATER DRAINAGE	
	(a)	Runoff from Disturbed Areas	<input type="checkbox"/>
	(b)	Diversion of Runoff from Undisturbed Areas	<input type="checkbox"/>
27.	811.104	SURVEY CONTROL	
	(a)	Boundaries Surveyed and Marked	<input type="checkbox"/>
	(b)	Stakes and Monuments Marked	<input type="checkbox"/>
	(c)	Stakes and Monuments Inspected	<input type="checkbox"/>
	(d)	Control Monument Established and Maintained	<input type="checkbox"/>
28.	811.105	COMPACTION	<input type="checkbox"/>
29.	811.106	DAILY COVER	
	(a)	Six Inches Soil	<input type="checkbox"/>
	(b)	Alternative Daily Cover	<input type="checkbox"/>
30.	811.107	OPERATING STANDARDS	
	(a)	Phasing of Operations	<input type="checkbox"/>
	(b)	Work Face Size and Slope	<input type="checkbox"/>
	(c)	Equipment	<input type="checkbox"/>
	(d)	Utilities	<input type="checkbox"/>
	(e)	Maintenance	<input type="checkbox"/>
	(f)	Open Burning	<input type="checkbox"/>
	(g)	Dust Control	<input type="checkbox"/>
	(h)	Noise Control	<input type="checkbox"/>
	(i)	Vector Control	<input type="checkbox"/>
	(j)	Fire Protection	<input type="checkbox"/>
	(k)	Litter Control	<input type="checkbox"/>
	(l)	Mud Tracking	<input type="checkbox"/>
	(m)	Liquid Restrictions for MSWLF Units	<input type="checkbox"/>
31.	811.108	SALVAGING	
	(a)	Salvaging Interferes with Operation	<input type="checkbox"/>
	(b)	Safe and Sanitary Manner	<input type="checkbox"/>
	(c)	Management of Salvagable Materials	<input type="checkbox"/>
32.	811.109	BOUNDARY CONTROL	
	(a)	Access Restricted	<input type="checkbox"/>
	(b)	Proper Sign Posted	<input type="checkbox"/>

33.	811.110	CLOSURE AND WRITTEN CLOSURE PLAN	
	(a)	Final Slopes and Contours	<input type="checkbox"/>
	(b)	Drainage Ways and Swales	<input type="checkbox"/>
	(c)	Final Configuration	<input type="checkbox"/>
	(d)	Written Closure Plan	<input type="checkbox"/>
	(e)	Initiation of Closure Activities at MSWLF Units	<input type="checkbox"/>
	(f)	Completion of Closure Activities at MSWLF Units	<input type="checkbox"/>
	(g)	Deed Notation for MSWLF Units	<input type="checkbox"/>
34.	811.111	POST-CLOSURE MAINTENANCE	
	(a)	Procedures After Receipt of Final Volume of Waste	<input type="checkbox"/>
	(b)	Remove All Equipment of Structures	<input type="checkbox"/>
	(c)	Maintenance and Inspection of the Final Cover and Vegetation	<input type="checkbox"/>
	(d)	Planned Uses of Property at MSWLF Units	<input type="checkbox"/>
35.	811.112	RECORDKEEPING REQUIREMENTS FOR MSWLF UNITS	
	(a)	Location Restriction Demonstration	<input type="checkbox"/>
	(b)	Load Checking Requirements	<input type="checkbox"/>
	(c)	Gas Monitoring Records	<input type="checkbox"/>
	(d)	MSWLF Liquid Restriction Records	<input type="checkbox"/>
	(e)	Groundwater Monitoring Program Requirements	<input type="checkbox"/>
	(f)	Closure and Post Closure Care Requirements	<input type="checkbox"/>
	(g)	Cost Estimates and Financial Assurance Requirements	<input type="checkbox"/>
	PART 811 SUBPART C	PUTRESCIBLE AND CHEMICAL WASTE LANDFILLS	
36.	811.302	FACILITY LOCATION	
	(c)	Site Screening (Does Not Apply To Part 814-Subpart D Sites)	<input type="checkbox"/>
37.	811.309	LEACHATE TREATMENT AND DISPOSAL SYSTEM	
	(a)	General Requirements	<input type="checkbox"/>
	(c)	Standards for On-Site Treatment and Pretreatment	<input type="checkbox"/>
	(d)	Standards for Leachate Storage System	<input type="checkbox"/>
	(e)	Standards for Discharge to Off-Site Treatment	<input type="checkbox"/>
	(f)	Standards for Leachate Recycling Systems	<input type="checkbox"/>
	(g)	Standards for Leachate Monitoring Systems	<input type="checkbox"/>
38.	811.310	LANDFILL GAS MONITORING (FOR SITES ACCEPTING PUTRESCIBLE WASTE)	
	(b)	Location and Design of Gas Monitoring Wells	<input type="checkbox"/>
	(c)	Monitoring Frequency for Landfill Gas	<input type="checkbox"/>
	(d)	Monitoring Parameters	<input type="checkbox"/>
39.	811.311	LANDFILL GAS MANAGEMENT SYSTEM (FOR CHEMICAL AND PUTRESCIBLE LANDFILLS)	
	(a)	Conditions for Installation of Gas Management System	<input type="checkbox"/>
	(b)	Notification and Implementation Requirements	<input type="checkbox"/>
	(c)	Standards for Gas Venting	<input type="checkbox"/>
	(d)	Standards for Gas Collection	<input type="checkbox"/>

40.	811.312	LANDFILL GAS PROCESS AND DISPOSAL SYSTEM	
	(c)	No Unpermitted Gas Discharge	<input type="checkbox"/>
	(d)	Gas Flow Rate Measurements into Treatment of Combustion Device	<input type="checkbox"/>
	(e)	Standards for Gas Flares	<input type="checkbox"/>
	(f)	Standards for On-Site Combustion of Landfill Gas Using Devices Other Than Flares	<input type="checkbox"/>
	(g)	Gas Transported Off-Site	<input type="checkbox"/>
41.	811.313	INTERMEDIATE COVER	
	(a)	Requirements for the Application for Intermediate Cover	<input type="checkbox"/>
	(b)	Runoff and Infiltration Control	<input type="checkbox"/>
	(c)	Maintenance of Intermediate Cover	<input type="checkbox"/>
42.	811.314	FINAL COVER SYSTEM (DOES NOT APPLY TO PART 814 SITES THAT HAVE CLOSED, COVERED AND VEGETATED PRIOR TO SEPTEMBER 18, 1990)	
	(a)	General Requirements	<input type="checkbox"/>
	(b)	Standards for Low Permeability Layer	<input type="checkbox"/>
	(c)	Standards for Final Protective Layer	<input type="checkbox"/>
43.	811.316	PLUGGING AND SEALING OF DRILL HOLES	<input type="checkbox"/>
44.	811.321	WASTE PLACEMENT	
	(a)	Phasing of Operations	<input type="checkbox"/>
	(b)	Initial Waste Placement	<input type="checkbox"/>
45.	811.322	FINAL SLOPE AND STABILIZATION	
	(a)	Grade Capable of Supporting Vegetation and Minimizing Erosion	<input type="checkbox"/>
	(b)	Slopes Required to Drain	<input type="checkbox"/>
	(c)	Vegetation	<input type="checkbox"/>
	(d)	Structures Built over the Unit	<input type="checkbox"/>
46.	811.323	LOAD CHECKING PROGRAM	
	(a)	Load Checking Program Implemented	<input type="checkbox"/>
	(b)	Load Checking Program for PCB's at MSWLF Units	<input type="checkbox"/>
	(c)	Load Checking Program Components	<input type="checkbox"/>
	(d)	Handling Regulated Hazardous Wastes	<input type="checkbox"/>
	PART 811 SUBPART D	MANAGEMENT OF SPECIAL WASTES AT LANDFILLS	
47.	811.402	NOTICE TO GENERATORS AND TRANSPORTERS	<input type="checkbox"/>
48.	811.403	SPECIAL WASTE MANIFESTS REQUIREMENTS	<input type="checkbox"/>
49.	811.404	IDENTIFICATION RECORD	
	(a)	Special Waste Profile Identification Sheet	<input type="checkbox"/>
	(b)	Special Waste Recertification	<input type="checkbox"/>
50.	811.405	RECORDKEEPING REQUIREMENTS	<input type="checkbox"/>
51.	811.406	PROCEDURES FOR EXCLUDING REGULATED HAZARDOUS WASTES	<input type="checkbox"/>

PART 811 SUBPART G		FINANCIAL ASSURANCE	
52.	811.700	COMPLY WITH FINANCIAL ASSURANCE REQUIREMENTS OF PART 811, SUBPART G	<input type="checkbox"/>
53.	811.701	UPGRADING FINANCIAL ASSURANCE	<input type="checkbox"/>
54.	811.704	CLOSURE AND POST-CLOSURE CARE COST ESTIMATES	<input type="checkbox"/>
55.	811.705	REVISION OF COST ESTIMATE	<input type="checkbox"/>
SOLID WASTE FEE SYSTEM REQUIREMENTS			
56.	Part 858 Subpart B	MAINTAINED, RETAINED & SUBMITTED DAILY & MONTHLY SOLID WASTE RECORDS AND QUARTERLY SOLID WASTE SUMMARIES WHERE INCOMING WASTE IS WEIGHED (LIST SPECIFIC SECTION	<input type="checkbox"/>
57.	Part 858 Subpart C	MAINTAINED, RETAINED & SUBMITTED DAILY & MONTHLY SOLID WASTE RECORDS AND QUARTERLY SOLID WASTE SUMMARIES WHERE INCOMING WASTE IS NOT WEIGHED (LIST SPECIFIC	<input type="checkbox"/>
OTHER REQUIREMENTS			
58.	OTHER:	APPARENT VIOLATION OF: (<input type="checkbox"/>) PCB; (<input type="checkbox"/>) CIRCUIT COURT CASE NUMBER: ORDER ENTERED ON:	<input type="checkbox"/>
59.			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>

Informational Notes

- [Illinois] Environmental Protection Act: 415 ILCS 5/4.
- Illinois Pollution Control Board: 35 Ill. Adm. Code, Subtitle G.
- Statutory and regulatory references herein are provided for convenience only and should not be construed as legal conclusions of the Agency or as limiting the Agency's statutory or regulatory powers. Requirements of some statutes and regulations cited are in summary format. Full text of requirements can be found in references listed in 1. and 2. above.
- The provisions of subsection (o) of Section 21 of the [Illinois] Environmental Protection Act shall be enforceable either by administrative citation under Section 31.1 of the Act or by complaint under Section 31 of the Act.
- This inspection was conducted in accordance with Sections 4(c) and 4(d) of the [Illinois] Environmental Protection Act: 415 ILCS 5/4(c) and (d).
- Items marked with an "NE" were not evaluated at the time of this inspection.



Illinois Environmental Protection Agency
Bureau of Land

DIGITAL PHOTOGRAPHS

LPC #0390055036—DeWitt County
Clinton/Clinton Landfill
FOS File

DATE: February 22, 2016
TIME: 1:50-2:50 P.M.
DIRECTION: Southwest
PHOTO by: Dustin Burger
PHOTO FILE NAME:
0390055036~02222016-001.jpg
COMMENTS: CWU 12 inch
recompacted clay over MGP waste



DATE: February 22, 2016
TIME: 1:50-2:50 P.M.
DIRECTION: East
PHOTO by: Dustin Burger
PHOTO FILE NAME:
0390055036~02222016-002.jpg
COMMENTS: south detention basin



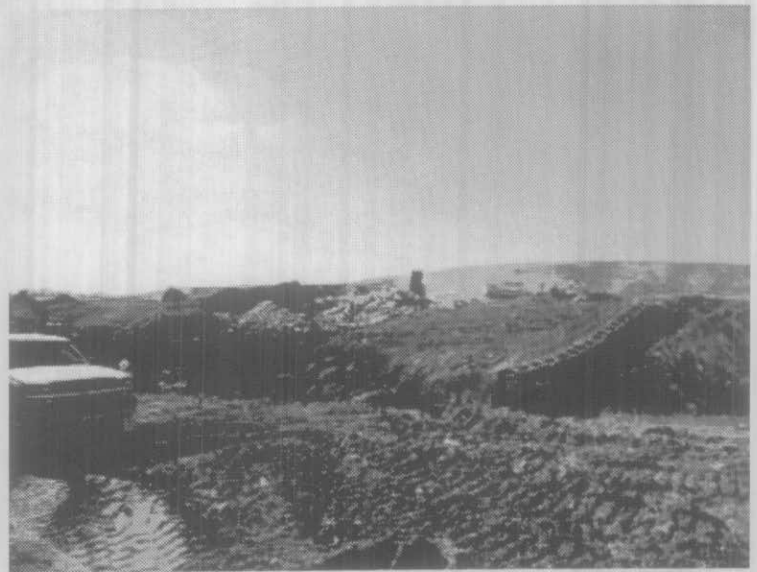


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LPC #0390055036—DeWitt County
Clinton/Clinton Landfill
FOS File

DATE: February 22, 2016
TIME: 1:50-2:50 P.M.
DIRECTION: West
PHOTO by: Dustin Burger
PHOTO FILE NAME:
0390055036~02222016-003.jpg
COMMENTS: Active area



DATE: February 22, 2016
TIME: 1:50-2:50 P.M.
DIRECTION: West
PHOTO by: Dustin Burger
PHOTO FILE NAME:
0390055036~02222016-004.jpg
COMMENTS: Active area



Illinois Environmental Protection Agency
Bureau of Land ♦ Field Operations Section ♦ Champaign

LPC#0390055036—DeWitt County
Clinton/Clinton Landfill #3
FOS File
February 22, 2016 Inspection
Inspector: Dustin Burger
GIS Information from BOL Inventory: N40.11507 W-88.9589

Narrative Inspection Report

I conducted a routine inspection at the above referenced facility on February 22, 2016. This inspection was conducted to determine the regulatory status and evaluate compliance with the Environmental Protection Act (Act) and Title 35 Illinois Administrative Code, Subtitle G: Land Pollution (Regulations). Dave Bryant, the Site Manager accompanied me during the visit. Seven photos were taken of Unit #3. The weather was mostly sunny and dry, with temperatures in the 50s. No violations were found.

Site Inspection

When I arrived at the landfill I checked in at the landfill office. Mr. Bryant was just coming back to the office from the landfill and escorted me during our inspection.

We started the inspection at the Chemical Waste Unit. The area was open but no trucks were present dumping waste at the time of the inspection. The CWU is currently taking two types of waste, a salt waste from 3M, and coal combustion ash from Archer, Daniels, Midland in Decatur and Ingredion. The floor of the eastern portion of the CWU was now fully covered with ash. The ash was now higher than the area that formerly accepted Manufactured Gas Plant (MGP) waste. A load of salt waste from 3M was visible amongst the ash (photo 7).

The MGP waste had been covered by one foot of recompact clay, pursuant to the settlement of a court case related to the acceptance of MGP and PCB wastes. I took several photos of the clay cap (photos 1, 6). Mr. Bryant said he was not sure whether the company planned to submit a Construction Quality Assurance (CQA) report for the construction of the layer. He said the engineers had the information. I suggested a CQA report be submitted to tie up all the loose ends of the court settlement.

We also looked at the south sedimentation pond. The pond was approximately half full, with plenty of freeboard (photo 2).

We then drove to the municipal solid waste unit (MSW) which was very active. No banned wastes were noted as we stopped for a time to watch incoming loads (photos 3, 4).

We also looked at the waste solidification unit located on top of Cell 1C. Section V.B of Clinton Landfill's permit authorizes the facility to solidify liquid waste. The waste includes industrial wastes and sludges, as well as leachate generated from the landfill's Municipal Solid Waste (MSW) unit. The liquid waste is discharged into a steel railcar buried in the cover on top of the landfill over previously deposited waste. Bottom ash is stored in a large temporary tent and is added to the liquid waste and mixed with a trackhoe to solidify the material until the resultant mixture passes the paint filter test. The liquid/ash mixture is then placed in the active fill.

We then drove the perimeter of the landfill, looking for any errant litter. There was a minor amount of litter in the trees on the east side of the facility. The weekend had been very windy. Mr. Bryant said the winds had shifted several times during the day and blown litter in several different directions. The litter on the ground was picked up first, while the litter in trees will be the last to be addressed since it requires a lift to retrieve.

I visited the scalehouse to look at waste shipment documentation. The landfill noted the GPS coordinates and elevation of each asbestos load in the logbook.

The gas system was operating normally. The landfill has finished placing gas lines leading from Unit #3 to the gas-to-energy plant located northwest of Unit #2. The gas-to-energy plant was operating normally, and a flare was operating to burn gas in excess of the plant's capacity.

Leachate from Unit #3 is collected from the leachate collection system and is pumped into a 30,000 gallon, double-walled underground tank north of Unit #3. Leachate from the MSW unit is either hauled to the Bloomington-Normal Water Reclamation District or solidified on-site. The facility has recently submitted a permit to recirculate leachate through four more vertical wells/sumps, increasing the total of sumps to six. Thus far 1.3 million gallons of leachate from the municipal solid waste unit (MSW) has been solidified with ash and disposed of on-site. Another 1.448 million gallons have been trucked off-site to the Bloomington Treatment Plant. A total of 485,000 gallons of leachate from the CWU have been hauled off-site for treatment.

Permitting

The facility is operating under permit 2005-070-LF, which expires on February 15, 2017. The permit renewal application was granted in Modification 29 on July 7, 2012. The permit includes a 157.451 acre waste disposal area with a gross airspace of 32,014,225 cubic yards. At current waste disposal rates, the space is estimated to last 45 years.

Modification 57 issued on February 11, 2016 approved the landfill gas assessment pursuant to Special Condition VIII.11, and approved continued detection monitoring for specific conductance at well G37S.

The estimate for closure of the current landfill's 39.8 acres of municipal solid waste disposal and 6.14 acres comprising the CWU is \$11,392,687. This value includes \$5,552,722 for premature closure, and \$5,839,905 for post-closure care.

Groundwater

The latest groundwater submittal was a December 18, 2015 Notice of Intent to Resample for gas exceedances noted during the second quarter of 2015. The report notes exceedances in ten wells. Most of the exceedances were for field specific conductance and or Total Dissolved Solids. Exceedances for 4th quarter 2015 are attached to this report as a table from the submittal. The landfill is required to submit a permit application to address the exceedances if they are confirmed.

Summary of Apparent Violations

No violations were noted during the inspection

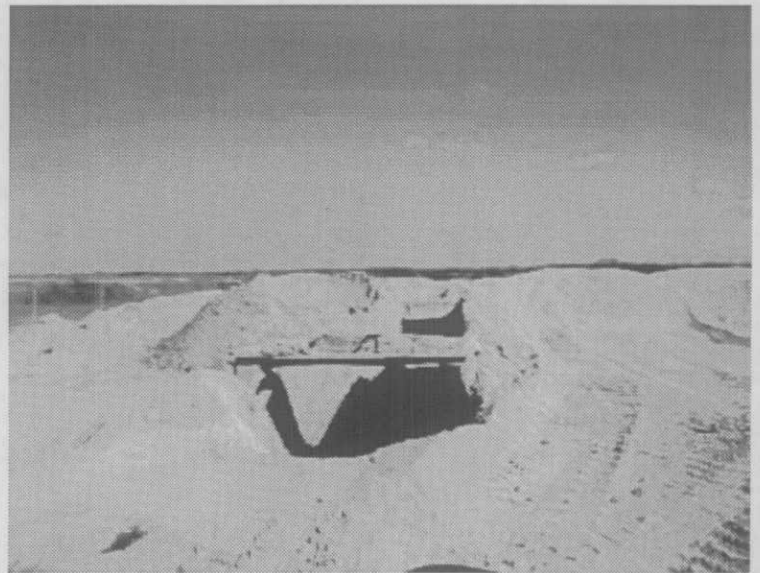


Illinois Environmental Protection Agency
Bureau of Land

DIGITAL PHOTOGRAPHS

LPC #0390055036—DeWitt County
Clinton/Clinton Landfill
FOS File

DATE: February 22, 2016
TIME: 1:50-2:50 P.M.
DIRECTION: East
PHOTO by: Dustin Burger
PHOTO FILE NAME:
0390055036~02222016-005.jpg
COMMENTS: Solidification



DATE: February 22, 2016
TIME: 1:50-2:50 P.M.
DIRECTION: South
PHOTO by: Dustin Burger
PHOTO FILE NAME:
0390055036~02222016-006.jpg
COMMENTS: CWU Clay over MGP
waste





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LPC #0390055036—DeWitt County
Clinton/Clinton Landfill
FOS File

DATE: February 22, 2016
TIME: 1:50-2:50 P.M.
DIRECTION: South
PHOTO by: Dustin Burger
PHOTO FILE NAME:
0390055036~02222016-007.jpg
COMMENTS: CWU salt and coal ash
waste



TABLE 1
Clinton Landfill No. 3
Apparent Exceedances for 4th Quarter 2015

Well	Parameter	Units	Initial Result	Interwell AGQS/ MAPC	Intrawell AGQS	Resample?
ROXANA SILT-ROBEIN MEMBER WELLS						
G07R*	Specific Conductance, field	µmhos/cm	6437	1543	NE	Yes
G25R	Magnesium, dissolved	mg/L	130	114	121.6	Yes
	Nitrate-N, dissolved	mg/L	3.6	0.06	NE	No
	Total Dissolved Solids	mg/L	1700	1064	1300	No
	Specific Conductance, field	µmhos/cm	1874	1543	1399	No
	Sulfate, dissolved	mg/L	730	286	528.6	No
G26R	Nitrate-N, dissolved	mg/L	0.3	0.06	NE	Yes
G27R	Arsenic, dissolved	µg/L	40	11	NE	Yes
	Total Dissolved Solids	mg/L	1300	1064	NE	No
	Specific Conductance, field	µmhos/cm	1554	1543	NE	No
	Sulfate, dissolved	mg/L	570	286	NE	No
G48R	Total Dissolved Solids	mg/L	1100	1064	NE	No
G49R	Nitrate-N, dissolved	mg/L	0.14	0.06	NE	Yes
	Specific Conductance, field	µmhos/cm	1931	1543	NE	No
G58R	Nitrate-N, dissolved	mg/L	0.27	0.06	NE	Yes
G59R	Magnesium, dissolved	mg/L	120	114	NE	No
	Total Dissolved Solids	mg/L	1500	1064	NE	No
	Specific Conductance	µmhos/cm	1739	1543	NE	No
R17R	Specific Conductance, field	µmhos/cm	1638	1543	NE	No
LOWER RADNOR TILL SAND WELLS						
G47M	Specific Conductance, field	µmhos/cm	1559	1457	NE	No
G48M	Specific Conductance, field	µmhos/cm	1641	1457	NE	Yes
G49M	Specific Conductance, field	µmhos/cm	1641	1457	NE	No
G58M	Specific Conductance, field	µmhos/cm	2525	1457	NE	Yes
R17M	Specific Conductance, field	µmhos/cm	1630	1457	NE	No
ORGANIC SOILS WELLS						
G09D	Chloride, dissolved	mg/L	34	33	NE	No
	Magnesium, dissolved	mg/L	88	73	NE	No
	Total Dissolved Solids	mg/L	1400	787	NE	No
	Specific Conductance, field	µmhos/cm	1959	1383	NE	No
	Sulfate, dissolved	mg/L	620	76	351.5	No

Notes:

- * denotes an Upgradient Well
- AGQS: Applicable Groundwater Quality Standard/MAPC: Maximum Allowable Predicted Concentration
- dissolved = filtered sample, total = unfiltered sample; mg/L = Milligrams per liter = parts per million (ppm), µg/L = Micrograms per liter = parts per billion (ppb), µmhos/cm = micromhos/centimeter, s.u. = standard units.

TABLE 2
Clinton Landfill No. 3
Parameters Not Analyzed During 4th Quarter 2015

Well	Parameter
ROXANA SILT-ROBEIN MEMBER WELLS	
G02R [#]	Ammonia-N, Dissolved
G02R [#]	Arsenic, Dissolved
G02R [#]	Boron, Dissolved
G02R [#]	Cadmium, Dissolved
G02R [#]	Chloride, Dissolved
G02R [#]	Chromium, Dissolved
G02R [#]	Lead, Dissolved
G02R [#]	Magnesium, Dissolved
G02R [#]	Mercury, Dissolved
G02R [#]	Nitrate-N, Dissolved
G02R [#]	Sulfate, Dissolved
G02R [#]	Zinc, Dissolved
G04R [#]	Ammonia-N, Dissolved
G04R [#]	Chloride, Dissolved
G04R [#]	Nitrate-N, Dissolved
G04R [#]	Sulfate, Dissolved
R17R	Ammonia-N, Dissolved
R17R	Arsenic, Dissolved
R17R	Boron, Dissolved
R17R	Cadmium, Dissolved
R17R	Chloride, Dissolved
R17R	Chromium, Dissolved
R17R	Lead, Dissolved
R17R	Magnesium, Dissolved
R17R	Mercury, Dissolved
R17R	Nitrate-N, Dissolved
R17R	Sulfate, Dissolved
R17R	Zinc, Dissolved
UPPER RADNOR TILL SAND WELLS	
G50S	Ammonia-N, Dissolved
G50S	Arsenic, Dissolved
G50S	Boron, Dissolved
G50S	Cadmium, Dissolved
G50S	Chloride, Dissolved
G50S	Chromium, Dissolved
G50S	Cyanide
G50S	Lead, Dissolved
G50S	Magnesium, Dissolved
G50S	Mercury, Dissolved

Well	Parameter
G50S	Nitrate-N, Dissolved
G50S	Oil & Grease – total
G50S	Phenolics
G50S	Solids - total dissolved solids (TDS), Dissolved
G50S	Sulfate, Dissolved
G50S	Zinc, Dissolved
G54S	Ammonia-N, Dissolved
G54S	Arsenic, Dissolved
G54S	Boron, Dissolved
G54S	Cadmium, Dissolved
G54S	Chloride, Dissolved
G54S	Chromium, Dissolved
G54S	Cyanide
G54S	Lead, Dissolved
G54S	Magnesium, Dissolved
G54S	Mercury, Dissolved
G54S	Nitrate-N, Dissolved
G54S	Oil & Grease – total
G54S	Phenolics
G54S	Solids - total dissolved solids (TDS), Dissolved
G54S	Sulfate, Dissolved
G54S	Zinc, Dissolved
LOWER RADNOR TILL SAND WELLS	
G08M [#]	Ammonia-N, Dissolved
G08M [#]	Arsenic, Dissolved
G08M [#]	Boron, Dissolved
G08M [#]	Cadmium, Dissolved
G08M [#]	Chloride, Dissolved
G08M [#]	Chromium, Dissolved
G08M [#]	Lead, Dissolved
G08M [#]	Magnesium, Dissolved
G08M [#]	Mercury, Dissolved
G08M [#]	Nitrate-N, Dissolved
G08M [#]	Sulfate, Dissolved
G08M [#]	Zinc, Dissolved
G24M	Ammonia-N, Dissolved
G24M	Arsenic, Dissolved
G24M	Boron, Dissolved
G24M	Cadmium, Dissolved
G24M	Chloride, Dissolved
G24M	Chromium, Dissolved
G24M	Lead, Dissolved

Well	Parameter
G24M	Magnesium, Dissolved
G24M	Mercury, Dissolved
G24M	Nitrate-N, Dissolved
G24M	Solids - total dissolved solids (TDS), Dissolved
G24M	Sulfate, Dissolved
G24M	Zinc, Dissolved
G25M	Ammonia-N, Dissolved
G25M	Arsenic, Dissolved
G25M	Boron, Dissolved
G25M	Cadmium, Dissolved
G25M	Chloride, Dissolved
G25M	Chromium, Dissolved
G25M	Cyanide
G25M	Lead, Dissolved
G25M	Magnesium, Dissolved
G25M	Mercury, Dissolved
G25M	Nitrate-N, Dissolved
G25M	Oil & Grease - total
G25M	Solids - total dissolved solids (TDS), Dissolved
G25M	Sulfate, Dissolved
G25M	Zinc, Dissolved
G26M	Ammonia-N, Dissolved
G26M	Arsenic, Dissolved
G26M	Boron, Dissolved
G26M	Cadmium, Dissolved
G26M	Chloride, Dissolved
G26M	Chromium, Dissolved
G26M	Cyanide
G26M	Lead, Dissolved
G26M	Magnesium, Dissolved
G26M	Mercury, Dissolved
G26M	Nitrate-N, Dissolved
G26M	Phenolics
G26M	Solids - total dissolved solids (TDS), Dissolved
G26M	Sulfate, Dissolved
G26M	Zinc, Dissolved
G47M	Ammonia-N, Dissolved
G47M	Arsenic, Dissolved
G47M	Boron, Dissolved
G47M	Cadmium, Dissolved
G47M	Chloride, Dissolved
G47M	Chromium, Dissolved

Well	Parameter
G47M	Cyanide
G47M	Lead, Dissolved
G47M	Magnesium, Dissolved
G47M	Mercury, Dissolved
G47M	Nitrate-N, Dissolved
G47M	Oil & Grease - total
G47M	Phenolics
G47M	Solids - total dissolved solids (TDS), Dissolved
G47M	Sulfate, Dissolved
G47M	Zinc, Dissolved
G49M	Ammonia-N, Dissolved
G49M	Arsenic, Dissolved
G49M	Boron, Dissolved
G49M	Cadmium, Dissolved
G49M	Chloride, Dissolved
G49M	Chromium, Dissolved
G49M	Cyanide
G49M	Lead, Dissolved
G49M	Magnesium, Dissolved
G49M	Mercury, Dissolved
G49M	Nitrate-N, Dissolved
G49M	Oil & Grease - total
G49M	Pentachlorophenol
G49M	Phenolics
G49M	Solids - total dissolved solids (TDS), Dissolved
G49M	Sulfate, Dissolved
G49M	Zinc, Dissolved
R17M	Ammonia-N, Dissolved
R17M	Arsenic, Dissolved
R17M	Boron, Dissolved
R17M	Cadmium, Dissolved
R17M	Chloride, Dissolved
R17M	Chromium, Dissolved
R17M	Lead, Dissolved
R17M	Magnesium, Dissolved
R17M	Mercury, Dissolved
R17M	Nitrate-N, Dissolved
R17M	Solids - total dissolved solids (TDS), Dissolved
R17M	Sulfate, Dissolved
R17M	Zinc, Dissolved
ORGANIC SOILS WELLS	
G24D	Ammonia-N, Dissolved

Well	Parameter
G24D	Arsenic, Dissolved
G24D	Boron, Dissolved
G24D	Cadmium, Dissolved
G24D	Chloride, Dissolved
G24D	Chromium, Dissolved
G24D	Cyanide
G24D	Lead, Dissolved
G24D	Magnesium, Dissolved
G24D	Mercury, Dissolved
G24D	Nitrate-N, Dissolved
G24D	Solids - total dissolved solids (TDS), Dissolved
G24D	Sulfate, Dissolved
G24D	Zinc, Dissolved
G31D	Ammonia-N, Dissolved
G31D	Arsenic, Dissolved
G31D	Boron, Dissolved
G31D	Cadmium, Dissolved
G31D	Chloride, Dissolved
G31D	Chromium, Dissolved
G31D	Lead, Dissolved
G31D	Magnesium, Dissolved
G31D	Mercury, Dissolved
G31D	Nitrate-N, Dissolved
G31D	Solids - total dissolved solids (TDS), Dissolved
G31D	Sulfate, Dissolved
G31D	Zinc, Dissolved
G39D	Ammonia-N, Dissolved
G39D	Arsenic, Dissolved
G39D	Boron, Dissolved
G39D	Cadmium, Dissolved
G39D	Chloride, Dissolved
G39D	Chromium, Dissolved
G39D	Cyanide
G39D	Lead, Dissolved
G39D	Magnesium, Dissolved
G39D	Mercury, Dissolved
G39D	Nitrate-N, Dissolved
G39D	Oil & Grease – total
G39D	Pentachlorophenol
G39D	Phenolics
G39D	Solids - total dissolved solids (TDS), Dissolved
G39D	Sulfate, Dissolved

Well	Parameter
G39D	Zinc, Dissolved
G40D	Ammonia-N, Dissolved
G40D	Arsenic, Dissolved
G40D	Boron, Dissolved
G40D	Cadmium, Dissolved
G40D	Chloride, Dissolved
G40D	Chromium, Dissolved
G40D	Cyanide
G40D	Lead, Dissolved
G40D	Magnesium, Dissolved
G40D	Mercury, Dissolved
G40D	Nitrate-N, Dissolved
G40D	Oil & Grease – total
G40D	Phenolics
G40D	Solids - total dissolved solids (TDS), Dissolved
G40D	Sulfate, Dissolved
G40D	Zinc, Dissolved
G47D	Ammonia-N, Dissolved
G47D	Arsenic, Dissolved
G47D	Boron, Dissolved
G47D	Cadmium, Dissolved
G47D	Chloride, Dissolved
G47D	Chromium, Dissolved
G47D	Cyanide
G47D	Lead, Dissolved
G47D	Magnesium, Dissolved
G47D	Mercury, Dissolved
G47D	Nitrate-N, Dissolved
G47D	Oil & Grease – total
G47D	Phenolics
G47D	Solids - total dissolved solids (TDS), Dissolved
G47D	Sulfate, Dissolved
G47D	Zinc, Dissolved
G58D	Ammonia-N, Dissolved
G58D	Arsenic, Dissolved
G58D	Boron, Dissolved
G58D	Cadmium, Dissolved
G58D	Chloride, Dissolved
G58D	Chromium, Dissolved
G58D	Cyanide
G58D	Lead, Dissolved
G58D	Magnesium, Dissolved

Well	Parameter
G58D	Mercury, Dissolved
G58D	Nitrate-N, Dissolved
G58D	Oil & Grease – total
G58D	Pentachlorophenol
G58D	Phenolics
G58D	Solids - total dissolved solids (TDS), Dissolved
G58D	Sulfate, Dissolved
G58D	Zinc, Dissolved
G59D	Acenaphthene
G59D	Acenaphthylene
G59D	Ammonia-N, Dissolved
G59D	Anthracene
G59D	Arsenic, Dissolved
G59D	Benzo(a)anthracene
G59D	Benzo(a)pyrene
G59D	Benzo(b)fluoranthene
G59D	Benzo(g,h,i)perylene
G59D	Benzo(k)fluoranthene
G59D	Boron, Dissolved
G59D	Cadmium, Dissolved
G59D	Chloride, Dissolved
G59D	Chromium, Dissolved
G59D	Chrysene
G59D	Cyanide
G59D	Dibenzo(a,h)anthracene
G59D	Fluoranthene
G59D	Indeno(1,2,3-cd)pyrene
G59D	Lead, Dissolved
G59D	Magnesium, Dissolved
G59D	Mercury, Dissolved
G59D	Nitrate-N, Dissolved
G59D	Oil & Grease – total
G59D	Pentachlorophenol
G59D	Phenanthrene
G59D	Phenolics
G59D	Pyrene
G59D	Solids - total dissolved solids (TDS), Dissolved
G59D	Sulfate, Dissolved
G59D	Zinc, Dissolved
R17D	Ammonia-N, Dissolved
R17D	Arsenic, Dissolved
R17D	Boron, Dissolved

Well	Parameter
R17D	Cadmium, Dissolved
R17D	Chloride, Dissolved
R17D	Chromium, Dissolved
R17D	Cyanide
R17D	Lead, Dissolved
R17D	Magnesium, Dissolved
R17D	Mercury, Dissolved
R17D	Nitrate-N, Dissolved
R17D	Phenolics
R17D	Solids - total dissolved solids (TDS), Dissolved
R17D	Sulfate, Dissolved
R17D	Zinc, Dissolved

Notes:

1. # denotes an Upgradient well



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Imagery Date: 3/31/2015

40°06'46.93" N 86°57'02.21" W elev. 717 ft

Eye alt 7017 ft