### **ILLINOIS ENVIRONMENTAL PROTECTION AGENCY**



1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-2829 BRUCE RAUNER, GOVERNOR LISA BONNETT, DIRECTOR

Voice: (217) 278-5800 FAX: (217) 278-5808

September 22, 2015

Ron Welk Vice President of Development and Operations Clinton Landfill, Inc. 4700 North Sterling Drive Peoria, Illinois 61615-3647

Re: LPC#0390055036—DeWitt County Clinton/Clinton Landfill #3 **Compliance** File

Dear Mr. Welk:

On August 26, 2015 an inspection of the above referenced site was conducted by Dustin Burger representing the Illinois Environmental Protection Agency. The purpose of this inspection was to determine the site's compliance with the Illinois Environmental Protection Act and 35 Illinois Administrative Code G regulations.

No violations were noted during this inspection.

For your information, a copy of the inspection report is enclosed. Please contact Dustin Burger at (217) 278-5800 if you have any questions regarding this inspection.

Sincerely,

Jahn P. Richardson 5/1013

John P. Richardson, Acting Manager **Field Operations Section** Bureau of Land

Enclosure

### ILLINOIS ENVIRONMENTAL PROTECTION AGENCY 811 Solid Waste Landfill Inspection Checklist

County:		LPC#: 03900	55036 Region: <u>4 - Cham</u>	paign			
Location/Si	te Name: Clin	ton/Clinton Landfill #3					
Date:	08/26/2015 Tim	ne: From 11:30A To	0 12:30P Previous Inspection Date: 06/03/	2015			
Inspector(s	): Dustin Burge	er	Weather: Cloudy, dry, mild sw winds, 70s				
No. of Phot	os Taken: # 9		Samples Taken: Yes #	Vo 🛛			
	I: Dave Byrant		Facility Phone No.: 217/935-8028	·· <u> </u>			
Permitted	Owner Mailing Ac	ldress	Permitted Operator Mailing Address				
Clinton Lar	ndfill 3		Clinton Landfill 3				
4700 Sterli	ng Ave. P.O. Box	(9071	9550 Heritage Road-C				
	61612-9071		Clinton, IL 61727				
Chief Oper	ator Mailing Addr	ess	Certified Operator Mailing Address				
Ron Welk			Ron Welk				
4700 Sterli	ng Ave. P.O. Box	(9071	4700 Sterling Ave. P.O. Box 9071				
Peoria, IL	616-9071		Peoria, IL 616-9071				
AUTHORI	ZATION:	OPERATIONAL STA	TYPE OF OPERATION:				
	Significant Modification Permit Operating						
Initial: <u>2005-070-LF</u> Closed-Not Certified.			814-Subpar	tD 🗌			
			Closed Not Contined.				
				/Chem 🖾			
			d: New Landfills: 811-Putres	/Chem.			
	SECTION		DESCRIPTION	VIOL			
	SECTION						
1.	SECTION	S ENVIRONMENTAL PR	DESCRIPTION OTECTION ACT REQUIREMENTS				
<u> </u>		S ENVIRONMENTAL PR	DESCRIPTION OTECTION ACT REQUIREMENTS ALLOW AIR POLLUTION IN ILLINOIS				
	SECTION ILLINOIS 9(a)	S ENVIRONMENTAL PR CAUSE, THREATEN OR A CAUSE OR ALLOW OPEN	DESCRIPTION OTECTION ACT REQUIREMENTS ALLOW AIR POLLUTION IN ILLINOIS				
2.	SECTION ILLINOIS 9(a) 9(c) 12(a)	S ENVIRONMENTAL PR CAUSE, THREATEN OR A CAUSE OR ALLOW OPEN	DESCRIPTION OTECTION ACT REQUIREMENTS ALLOW AIR POLLUTION IN ILLINOIS I BURNING ALLOW WATER POLLUTION IN ILLINOIS				
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#### LPC #: 0390055036 Inspection Date: August 26, 2015

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

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

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

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

	PART 811 SUBPART G	FINANCIAL ASSURANCE	
52.	811.700	COMPLY WITH FINANCIAL ASSURANCE REQUIREMENTS OF PART 811, SUBPART G	
53.	811.701	UPGRADING FINANCIAL ASSURANCE	
54.	811.704	CLOSURE AND POST-CLOSURE CARE COST ESTIMATES	
55.	811.705	REVISION OF COST ESTIMATE	
		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	
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	
		OTHER REQUIREMENTS	
58.	OTHER:	APPARENT VIOLATION OF: ( ) PCB; ( ) CIRCUIT COURT CASE NUMBER: ORDER ENTERED ON:	
59.			

#### Informational Notes

- 1. [Illinois] Environmental Protection Act: 415 ILCS 5/4.
- 2. Illinois Pollution Control Board: 35 Ill. Adm. Code, Subtitle G.
- 3. 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.
- 4. 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.
- 5. 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).
- 6. Items marked with an "NE" were not evaluated at the time of this inspection.

#### LPC #: 0390055036 Inspection Date: August 26, 2015

PERMIT PROVISIONS		
PERMIT NUMBER	DESCRIPTION OF VIOLATION (condition # of permit, page # of permit, and/or page # of approved application)	

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### **Illinois Environmental Protection Agency**

Bureau of Land + Field Operations Section + Champaign

LPC#0390055036—DeWitt County Clinton/Clinton Landfill #3 FOS File August 26, 2015 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 August 26, 2015. 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. Nine photos were taken of Unit #3. The weather was mostly sunny and dry, with temperatures in the 80s.

#### **Site Inspection**

When I arrived at the landfill I checked in at the landfill office. Mr. Bryant was conducting a tour of the landfill, but excused himself to accompany me on the inspection.

I spoke with Mike, the landfill consulting engineer. He mentioned that I would be getting a Construction Quality Assurance (CQA) report very soon detailing the construction of leachate recirculation sumps that have been installed. The sumps consist of a leachate collection header located near the leachate removal piping. The leachate is pumped from this header up the side of the landfill and to injection wells on top of the landfill. The well injects the leachate downward into a cone-shaped gravel "French Drain" type structure that allows the leachate to filter down through the waste mass. This type of system has the advantage over horizontal piping leachate field since it has no piping that will bow or pinch off as the waste settles.

There are a total of six leachate recirculation wells. LRW-101 and LRW-131 are on the north side and connected to leachate manhole L301. LRW-133, 134, and 135 are in the middle section and are connected to manhole L303. LRW-172 is connected to manhole 305 on the south end. The wells are pictured in photos 1-3.

The Chemical Waste Unit 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 mentioned in previous inspections, and coal combustion ash from Archer, Daniels, Midland in Decatur. The floor of the eastern portion of the CWU was now fully covered with ash (photo 5).

We also looked at the south sedimentation pond. The pond was mostly empty (photo 7). The road to access the basin had been regraded, as erosion had cut large ruts in the road to make it impassible by vehicles during my last visit.

We then drove to the municipal solid waste unit (MSW) which was very active. The active area was located in area 3B. No banned wastes were noted as we stopped for a time to watch incoming loads. The floor of the new cells had been covered with the first lift of waste.

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. The unit was not active during the inspection, but was in use earlier to solidify leachate.

We then drove the perimeter of the landfill, looking for any errant litter, but found none.

I visited the scalehouse to look at waste shipment documentation. No new special wastes had been accepted since my last inspection, so I did not check any waste profile documents during this visit. The largest generator of special wastes is still a manufactured gas plant project from Dixon, Illinois. The waste is not actually MGP waste, but consists of stormwater from the excavation. Waste profile analysis did not detect any organic constituents of concern, but the water would fail discharge limits because of suspended solids.

The second biggest special waste stream had been oily water from CHN. Several loads of pit sludge from the former Firestone plant in Decatur were received.

The gas system was operating normally. The landfill started to place gas lines leading from Unit #3 to the gas-to-energy plant located northwest of Unit #2. Thus far the piping extends just west of Unit 3 under the road between Unit 3 and Unit 2 (photo 8). The gas-to-energy plant was running and was handling all the gas generated at the site. The facility has flares installed that handle any gas generated should the energy plant shut down.

Leachate from Unit #3 is collected from the leachate collection system and is pumped into a 20,000 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.

#### 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 54, issued on June 12, 2015 approved the alternate source demonstration for 3<sup>rd</sup> quarter 2014 groundwater monitoring exceedences and new AGQS values to reflect additional parameters required by 35 IAC 620 and Condition VIII.25 of the permit.

Modification 55 issued on July 13, 2015 approved the alternate source demonstration for 4<sup>th</sup> quarter 2014 groundwater monitoring exceedences and new AGQS values to reflect additional parameters required by 35 IAC 620 and Condition VIII.25 of the permit.

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 \$11,746,868. This value includes \$5,462,480 for premature closure, and \$6,284,388 for post-closure care.

#### **Summary of Apparent Violations**

No violations were noted during the inspection



### DIGITAL PHOTOGRAPHS

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

DATE: August 26, 2015 TIME 11:30 A.M.-12:30 P.M. DIRECTION: Southeast PHOTO by: Dustin Burger PHOTO FILENAME: 0390055036~08262015-001.jpg COMMENTS: leachate recirculation header and sumps



DATE: August 26, 2015 TIME: 11:30 A.M.-12:30 P.M. DIRECTION: Southwest PHOTO by: Dustin Burger PHOTO FILENAME: 0390055036~08262015-002.jpg COMMENTS: leachate recirculation wells





## DIGITAL PHOTOGRAPHS

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

DATE: August 26, 2015 TIME: 11:30 A.M.-12:30 P.M. DIRECTION: South PHOTO by: Dustin Burger PHOTO FILE NAME: 0390055036~08262015-003.jpg COMMENTS: leachate recirculation wells



DATE: August 26, 2015 TIME: 11:30 A.M.-12:30 P.M. DIRECTION: Southeast PHOTO by: Dustin Burger PHOTO FILENAME: 0390055036~08262015-004.jpg COMMENTS: CWU





## DIGITAL PHOTOGRAPHS

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

DATE: August 26, 2015 TIME: 11:30 A.M.-12:30 P.M. DIRECTION: South PHOTO by: Dustin Burger PHOTO FILE NAME: 0390055036~08262015-005.jpg COMMENTS: Coal ash side of CWU



DATE: August 26, 2015 TIME: 11:30 A.M.-12:30 P.M. DIRECTION: Southwest PHOTO by: Dustin Burger PHOTO FILENAME: 0390055036~08262015-006.jpg COMMENTS: MGP waste is underneath this area





# DIGITAL PHOTOGRAPHS

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





DATE: August 26, 2015 TIME: 11:30 A.M.-12:30 P.M. DIRECTION: west PHOTO by: Dustin Burger PHOTO FILENAME: 0390055036~08262015-008.jpg COMMENTS: vertical pipe is the extent of the gas piping to connect Unit 3 to the gas-to-energy plant





## DIGITAL PHOTOGRAPHS

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

DATE: August 26, 2015 TIME: 11:30 A.M.-12:30 P.M. DIRECTION: South PHOTO by: Dustin Burger PHOTO FILE NAME: 0390055036~08262015-009.jpg COMMENTS: active area

