



# ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

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PAT QUINN, GOVERNOR

LISA BONNETT, DIRECTOR

Voice: (217) 278-5800  
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September 2, 2014

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 14, 2014 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 at the time of 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,

A handwritten signature in black ink, appearing to read "P. Purseglove", written over a horizontal line.

Paul M. Purseglove, Manager  
Field Operations Section  
Bureau of Land

Enclosure

# 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: 08/14/2014 Time: From 1000 To 1200 Previous Inspection Date: 04/28/2014  
 Inspector(s): Dustin Burger, Kurt Niebergall Weather: Mostly clear, dry, 80s  
 No. of Photos Taken: # 12 Samples Taken: Yes #      No   
 Interviewed: David Bryant, Site 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:**

Significant Modification Permit  
 Initial: 2005-070-LF  
 Latest Mod 47 Exp. 2/15/17

**OPERATIONAL STATUS:**

Operating   
 Closed-Not Certified.   
 Closed-Date Certified:                     

**TYPE OF OPERATION:**

Existing Landfills 814-Subpart C   
 814-Subpart D   
 New Landfills: 811-Putres./Chem.

	SECTION	DESCRIPTION	VIOL
<b>ILLINOIS ENVIRONMENTAL PROTECTION ACT REQUIREMENTS</b>			
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"/>

10.	21(o)	<b>CONDUCT A SANITARY LANDFILL OPERATION WHICH RESULTS IN ANY OF THE FOLLOWING CONDITIONS:</b>	
	(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)	<b>CAUSE OR ALLOW A LATERAL EXPANSION OF A MUNICIPAL SOLID WASTE LANDFILL (MSWLF) UNIT WITHOUT A PERMIT MODIFICATION</b>	<input type="checkbox"/>
12.	21.6(b)	<b>ACCEPTANCE OF LIQUID USED OIL FOR FINAL DISPOSAL (EFFECTIVE JULY 1, 1996)</b>	<input type="checkbox"/>
13.	22.01	<b>FAILURE TO SUBMIT ANNUAL NONHAZARDOUS SPECIAL WASTE</b>	<input type="checkbox"/>
14.	22.17	<b>LANDFILL POST-CLOSURE CARE</b>	
	(a)	Failure to Monitor Gas, Water, Settling	<input type="checkbox"/>
	(b)	Failure to Take Remedial Action	<input type="checkbox"/>
15.	22.22(c)	<b>ACCEPTANCE OF LANDSCAPE WASTE FOR FINAL DISPOSAL</b>	<input type="checkbox"/>
16.	22.23(f)(2)	<b>CAUSE OR ALLOW THE DISPOSAL OF ANY LEAD-ACID BATTERY</b>	<input type="checkbox"/>
17.	22.28(b)	<b>ACCEPTANCE OF WHITE GOODS FOR FINAL DISPOSAL</b>	<input type="checkbox"/>
18.	55(b)(1)	<b>ACCEPTANCE OF ANY USED OR WASTE TIRE FOR FINAL DISPOSAL (UNLESS LANDFILL MEETS EXEMPTION OF 55(b)(1))</b>	<input type="checkbox"/>
19.	56.1(a)	<b>CAUSE OR ALLOW THE DISPOSAL OF ANY POTENTIALLY INFECTIOUS MEDICAL WASTE</b>	<input type="checkbox"/>
<b>SOLID WASTE SITE OPERATOR CERTIFICATION LAW REQUIREMENTS</b>			
20.	225 ILCS 230/1004	<b>CAUSING OF ALLOWING OPERATION OF A LANDFILL WITHOUT PROPER COMPETENCY CERTIFICATE</b>	<input type="checkbox"/>
<b>35 ILLINOIS ADMINISTRATIVE CODE REQUIREMENTS SUBTITLE G</b>			
<b>PRIOR CONDUCT CERTIFICATION REQUIREMENTS</b>			
21.	745.181	<b>CHIEF OPERATOR REQUIREMENTS</b>	<input type="checkbox"/>
22.	745.201	<b>PRIOR CONDUCT CERTIFICATION PROHIBITIONS</b>	<input type="checkbox"/>
<b>SPECIAL WASTE HAULING REQUIREMENTS</b>			
23.	809.301	<b>REQUIREMENTS FOR DELIVERY OF SPECIAL WASTE TO HAULERS</b>	<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"/>
<b>NEW SOLID WASTE LANDFILL REQUIREMENTS</b>			
	<b>PART 811 SUBPART</b>	<b>GENERAL STANDARDS FOR ALL LANDFILLS</b>	
26.	811.103	<b>SURFACE WATER DRAINAGE</b>	
	(a)	Runoff from Disturbed Areas	<input type="checkbox"/>
	(b)	Diversion of Runoff from Undisturbed Areas	<input type="checkbox"/>
27.	811.104	<b>SURVEY CONTROL</b>	
	(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	<b>COMPACTION</b>	<input type="checkbox"/>
29.	811.106	<b>DAILY COVER</b>	
	(a)	Six Inches Soil	<input type="checkbox"/>
	(b)	Alternative Daily Cover	<input type="checkbox"/>
30.	811.107	<b>OPERATING STANDARDS</b>	
	(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	<b>SALVAGING</b>	
	(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	<b>BOUNDARY CONTROL</b>	
	(a)	Access Restricted	<input type="checkbox"/>
	(b)	Proper Sign Posted	<input type="checkbox"/>

33.	811.110	<b>CLOSURE AND WRITTEN CLOSURE PLAN</b>	
	(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	<b>POST-CLOSURE MAINTENANCE</b>	
	(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	<b>RECORDKEEPING REQUIREMENTS FOR MSWLF UNITS</b>	
	(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"/>
	<b>PART 811 SUBPART C</b>	<b>PUTRESCIBLE AND CHEMICAL WASTE LANDFILLS</b>	
36.	811.302	<b>FACILITY LOCATION</b>	
	(c)	Site Screening (Does Not Apply To Part 814-Subpart D Sites)	<input type="checkbox"/>
37.	811.309	<b>LEACHATE TREATMENT AND DISPOSAL SYSTEM</b>	
	(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	<b>LANDFILL GAS MONITORING (FOR SITES ACCEPTING PUTRESCIBLE WASTE)</b>	
	(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	<b>LANDFILL GAS MANAGEMENT SYSTEM (FOR CHEMICAL AND PUTRESCIBLE LANDFILLS)</b>	
	(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	<b>LANDFILL GAS PROCESS AND DISPOSAL SYSTEM</b>	
	(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	<b>INTERMEDIATE COVER</b>	
	(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	<b>FINAL COVER SYSTEM (DOES NOT APPLY TO PART 814 SITES THAT HAVE CLOSED, COVERED AND VEGETATED PRIOR TO SEPTEMBER 18, 1990)</b>	
	(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	<b>PLUGGING AND SEALING OF DRILL HOLES</b>	<input type="checkbox"/>
44.	811.321	<b>WASTE PLACEMENT</b>	
	(a)	Phasing of Operations	<input type="checkbox"/>
	(b)	Initial Waste Placement	<input type="checkbox"/>
45.	811.322	<b>FINAL SLOPE AND STABILIZATION</b>	
	(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	<b>LOAD CHECKING PROGRAM</b>	
	(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"/>
	<b>PART 811 SUBPART D</b>	<b>MANAGEMENT OF SPECIAL WASTES AT LANDFILLS</b>	
47.	811.402	<b>NOTICE TO GENERATORS AND TRANSPORTERS</b>	<input type="checkbox"/>
48.	811.403	<b>SPECIAL WASTE MANIFESTS REQUIREMENTS</b>	<input type="checkbox"/>
49.	811.404	<b>IDENTIFICATION RECORD</b>	
	(a)	Special Waste Profile Identification Sheet	<input type="checkbox"/>
	(b)	Special Waste Recertification	<input type="checkbox"/>
50.	811.405	<b>RECORDKEEPING REQUIREMENTS</b>	<input type="checkbox"/>
51.	811.406	<b>PROCEDURES FOR EXCLUDING REGULATED HAZARDOUS WASTES</b>	<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 (c) 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 ♦ Field Operations Section ♦ Champaign

LPC#0390055036—DeWitt County  
Clinton/Clinton Landfill #3  
FOS File  
August 14, 2014 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 14, 2014. 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, and Kurt Niebergall, Bureau Chief of the Bureau of Land, accompanied me during the visit. Twelve (12) photos were taken of Unit #3. The weather was partly cloudy with mild winds from the west, and temperatures in the low 80s.

**Site Inspection**

When we arrived at the landfill we checked in at the landfill office. Mr. Bryant was out supervising the site, but he arrived at the office and accompanied us on the inspection. We first gave Mr. Niebergall a short tour of the two older closed units at the site before starting the inspection at the active Unit 3.

We started at the Chemical Waste Unit (CWU), where we exited the vehicle and walked back to the south sedimentation pond (photo 1). The Clinton Landfill working group had questions about how stormwater is handled at the landfill. The south sedimentation pond receives stormwater runoff from the area around the CWU via perimeter ditches. In addition, stormwater collected in a small pond next to the CWU used to collect stormwater is also pumped into the perimeter ditch and flows into this sedimentation pond. The pond has an outfall which is closed by a valve, and an emergency overflow area where water can flow during excessive rain (photo 3). The outfall, designated outfall 9, is sampled whenever the valve is opened to allow a discharge per the facility's National Discharge Elimination System (NPDES) stormwater permit issued by the Agency's Bureau of Water. I asked for the discharge reports for this outfall, and received them via e-mail from Mr. Welk on August 18, 2014 (attached). The sample analyses reports are also attached to this report and indicate all discharges were within permitted parameters.

Waste in the CWU is covered with intermediate cover consisting of 12 inches of soil. Stormwater falling on the CWU either runs off the cover into the adjacent small stormwater pond, or soaks into the cover and waste and becomes leachate. The east half



of the CWU still has not received waste and is covered with soil and a protective layer of plastic to keep stormwater from running into the leachate system. This stormwater and the stormwater collected by the small pond are pumped to the perimeter ditches and run into the south stormwater detention area.

Stormwater that penetrates the cover and becomes leachate is prevented from escaping by a flap and berm at the floor of the cell. The leachate is monitored and the results are submitted to the Agency. The annual report for the Year 2013 indicates that no organics were detected in the leachate extracted from the CWU. Mr. Bryant said the leachate actually meets Class 2 drinking water standards, although I did not compare the two.

Leachate from the CWU is collected by the leachate collection system and is pumped to a double-walled holding tank. The liquid is then trucked to PCD#1 for treatment in its wastewater system.

The only waste being accepted in the CWU was still the salt waste from 3M. No MGP source material had been accepted since my last inspection, and is in fact now excluded from acceptance by a new permit issued by the Agency on July 31, 2014.

When we were done at the CWU, we drove to the Municipal Solid Waste Unit (MSW). The active area was at the top of the current lift of Cell 5A. We watched as several trucks dumped their loads. No banned wastes were noted. The active area was clear of litter.

We then drove down to the area east of 5A. This area designated 5B was under construction for the next phase of construction. The cell had been excavated to the floor base, and clay was being added and recompacted to form the clay liner. We talked to the engineer from SKs regarding the project. Mike said the floor was excavated to the base, but in several areas a layer of peat overlays the in situ-clay underneath. The peat was over excavated until the native clay was exposed. He said the recompacted clay liner was now 6-8 feet in most areas of the floor. A technician was busy taking nuclear density readings to test compaction. A water truck was adding water to the soil to reach the optimum moisture content to achieve the best hydraulic conductivity. The heavy equipment used has integral GPS units on the blades of the dozers to make sure the lifts are 6 inches or less and the elevations are correct.

We then looked at the waste solidification area located on top of Cell 1C. No wastes were being solidified at the time of the inspection.

The new landfill gas headers and piping had been installed. Mr. Bryant mentioned a permit modification had been submitted with the construction details. Photos 8 and 9 show the new gas lines, headers, and the underground condensate knock out tank. The lateral lines extend from the perimeter gas main to the gas extraction wells. The gas collected is burned in a candlestick flare (photo 10). I took one photo of the flare control panel, which indicated the gas flow to the device was 161 cubic feet per minute (photo 11). Bryant had previously mentioned the facility planned to purchase a bigger flare for future expansion. He said that plan was on hold because there was interest of adding

more gas powered engines to the gas-to-energy plant. If that plan goes through, the gas from Unit #3 would be piped over to the gas-to-energy plant and burned to make electricity. The three existing flares on-site would provide a back-up when the plant was offline.

We then visited the scalehouse, where I checked the facility's special waste logs. As a review, I have included the process by which a waste is deemed a special waste or certified non-special waste with the discussion below, which was included in my last report.

The genre of wastes that requires a special waste manifest is fairly small compared to the overall amount of waste received at the landfill. Historically, special wastes were a classification placed in Illinois law to regulate hazardous wastes before there were any federal hazardous waste regulations. At the time the category was created, any industrial process waste was considered a special waste and required an individual wastestream authorization permit from the Agency before disposal. The special waste category was narrowed when Federal government regulated the category of hazardous wastes and excluded them from landfills. The special waste authorization process was overly burdensome and was changed in facility's permits to allow the landfill to authorize the landfill to accept special wastes on a generic basis if the waste met the requirements in the facility's permit.

Now the category of special wastes has been further narrowed. Section 22.48 of the Illinois Environmental Protection Act ("Act") excludes certain non-liquid, non-hazardous industrial-process and pollution-control wastes from the definition of special waste, provided that generators certify that these wastes meet all the requirements of Section 3.475(c)(1).

Any business generating non-liquid, non-hazardous industrial-process or pollution-control waste has the potential to certify that these wastes can be disposed of as non-special waste.

Section 22.48 of the Act stipulates certification must include the generator's verification that the waste:

1. is not hazardous
2. is not a liquid (as determined by paint-filter test SW-846 Method 9095)
3. is not regulated asbestos-containing material as defined in 40 Code of Federal Regulations, Section 61.141
4. does not contain polychlorinated biphenyls (PCBs) regulated in accordance with 40 Code of Federal Regulations, Part 761
5. is not formerly hazardous waste rendered non-hazardous
6. and does not result from shredding recyclable metals (e.g. auto fluff).

Additionally, each certification must have attached:

1. a statement explaining how the generator determined the waste is neither hazardous nor liquid
2. a description of the process that generated the waste
3. any relevant material safety data sheets
4. and results from analytical testing (signed and dated by the person who completed the analysis), or an explanation why testing was not needed

Many of the wastestreams that were formerly considered special wastes have had the above determinations to now be considered declassified as special wastes.

At Clinton Landfill, several of its largest industrial wastestreams from its biggest customers have been certified as non-special wastes. This would include many food-based byproducts from customers such as Tate & Lyle and ADM. Wastes such as waste corn starch, humin cake, filter aid from filtering vegetable oils, bed ash, etc. are not toxic and do not need any special handling.

The biggest waste streams that are still considered special wastes are those that do not meet the paint filter tests and need solidification. Since my last inspection the largest amount of special wastes include 400,000 gallons of water from a Manufactured Gas Plant project in LaSalle, Illinois. Liquid consisted of water from an excavation during the removal project. The analysis of the waste indicated non-detects on most organic constituents, with 0.013 mg/l of Methyl-ethyl ketone (MEK) as the highest concentration of any organic. MEK is also a common laboratory contaminant. The water was mixed with three times the volume of ash to solidify the material.

Other special wastes included sludges from Case New Holland, petroleum contaminated soils from a Leaking Underground Storage Tank (LUST) site in Chatham, Illinois, and a zinc plating sludge from Bonghi located in West Burlington, Iowa. All the waste profiles indicated these wastes were non-hazardous.

## **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.

Permit Modification 47 issued on July 31, 2014. This modification basically revokes the landfill's permission to accept MGP waste that exceeds the toxicity characteristic in 35 Ill. Adm. Code 721.124(b). Although Section 721.124(a) of the Regulations enacted by The Pollution Control Board specifically excludes MGP waste that exceeds the toxicity characteristic from being a RCRA regulated hazardous waste, the Agency has excluded these wastes from being disposed in a regular municipal solid waste landfill via permit restrictions. Clinton Landfill was allowed to dispose of these wastes in its CWU, which is engineered to the more restrictive Subtitle C standards. The Agency's basis for the

revoking the permit is an issue with the local siting for the CWU. As a field inspector, I did not have a part in the permitting process as it relates to local siting, and thus cannot discuss the revocation beyond what was mentioned in the July 31, 2014 letter. While I can give technical opinions on design, construction, and operation of the landfill, the Agency's Permit Section is responsible for the review of permits to make sure the local siting issues are resolved.

In addition to the exclusion of MGP source material from the CWU, the new permit also revokes the Agency's permission to accept PCB contaminated materials that exceed the 50 parts per million limits in the Toxic Substance Control Act (TSCA). The landfill has never accepted TSCA regulated materials, since it needed approval by USEPA to receive the material. The Federal permit was never issued.

The estimate for closure of the current landfill's 29 acres of municipal solid waste disposal and 6.14 acres comprising the CWU is \$10,475,467. This value includes \$4,591,217 for premature closure, and \$5,844,250 for post-closure care. The landfill currently has \$10,932,021 in posted financial assurance.

### **Records Review**

The facility has 60 groundwater monitoring wells installed. Fifteen upgradient and 45 downgradient wells monitor the four groundwater zones beneath the landfill. Jeff Turner completed an April 1-2, 2014 groundwater inspection report on the facility. Mr. Turner, the Agency's Regional Geologist, split samples from four wells during the first quarter of 2014 after delays due to frozen wells. Mr. Turner compiled a complete listing of every groundwater exceedence, whether the exceedence has been confirmed, and the permit number that has addressed the exceedence. The final conclusion of the report is that there were no outstanding groundwater violations at the site.

The latest groundwater report did not confirm the exceedences for acetone (a common lab contaminant) in well R43D, or dissolved nitrate in four wells detected during the first quarter 2014 sampling event. All the other exceedences detected are already the subject of permit modifications either granted or submitted and under review. The April 18, 2014 submittal is attached to this report.

The landfill disposes of leachate in one of three ways. First, the liquids can be recirculated. Unit #3 does not yet have a recirculation systems installed. Second, leachate and landfill gas condensate can be solidified with ash and disposed as solid waste. Thirdly, leachate can be hauled off site for disposal. MSW leachate is hauled to Bloomington-Normal Water Reclamation District, while the CWU leachate is manifested to Peoria Disposal Company's PDC #1 wastewater plant where it is pre-treated and discharged to the Peoria Sanitary District.

### **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 #3  
FOS File

DATE: August 14, 2014  
TIME: 10:00 A.M.-Noon  
DIRECTION: East  
PHOTO by: Dustin Burger  
PHOTO FILENAME:  
0390055036-08142014-001.jpg  
COMMENTS: South detention pond



DATE: August 14, 2014  
TIME: 10:00 A.M.-Noon  
DIRECTION: East  
PHOTO by: Dustin Burger  
PHOTO FILENAME:  
0390055036-08142014-002.jpg  
COMMENTS: South detention pond  
outfall



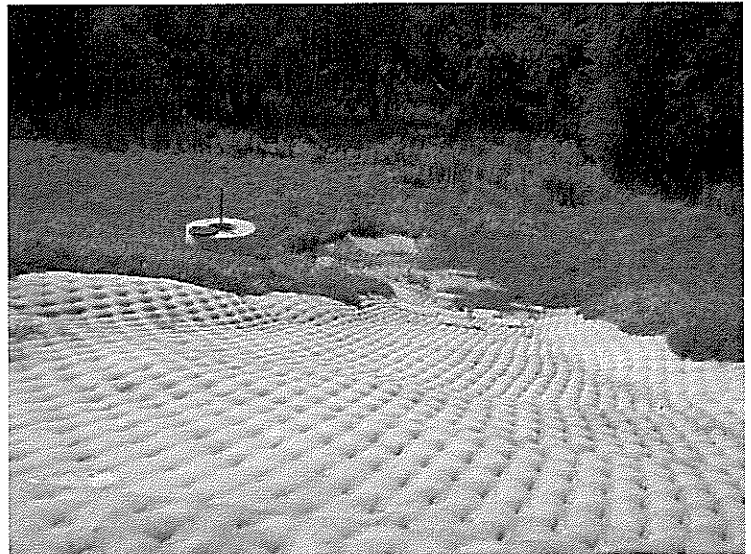


Illinois Environmental Protection Agency  
Bureau of Land

## ***DIGITAL PHOTOGRAPHS***

LPC #0390055036–DeWitt County  
Clinton/Clinton Landfill #3  
FOS File

DATE: August 14, 2014  
TIME: 10:00 A.M.-Noon  
DIRECTION: South  
PHOTO by: Dustin Burger  
PHOTO FILENAME:  
0390055036-08142014-003.jpg  
COMMENTS: South detention pond  
spillway



DATE: August 14, 2014  
TIME: 10:00 A.M.-Noon  
DIRECTION: South  
PHOTO by: Dustin Burger  
PHOTO FILENAME:  
0390055036-08142014-004.jpg  
COMMENTS: CWU





Illinois Environmental Protection Agency  
Bureau of Land

## ***DIGITAL PHOTOGRAPHS***

LPC #0390055036–DeWitt County  
Clinton/Clinton Landfill #3  
FOS File

DATE: August 14, 2014  
TIME: 10:00 A.M.-Noon  
DIRECTION: East  
PHOTO by: Dustin Burger  
PHOTO FILENAME:  
0390055036-08142014-005.jpg  
COMMENTS: MSW unit



DATE: August 14, 2014  
TIME: 10:00 A.M.-Noon  
DIRECTION: Southeast  
PHOTO by: Dustin Burger  
PHOTO FILENAME:  
0390055036-08142014-006.jpg  
COMMENTS: Construction of  
recompacted clay liner on cell 5B





Illinois Environmental Protection Agency  
Bureau of Land

## ***DIGITAL PHOTOGRAPHS***

LPC #0390055036–DeWitt County  
Clinton/Clinton Landfill #3  
FOS File

DATE: August 14, 2014  
TIME: 10:00 A.M.-Noon  
DIRECTION: West  
PHOTO by: Dustin Burger  
PHOTO FILENAME:  
0390055036-08142014-007.jpg  
COMMENTS: Active area



DATE: August 14, 2014  
TIME: 10:00 A.M.-Noon  
DIRECTION: South  
PHOTO by: Dustin Burger  
PHOTO FILENAME:  
0390055036-08142014-008.jpg  
COMMENTS: gas header and gas lines







Illinois Environmental Protection Agency  
Bureau of Land

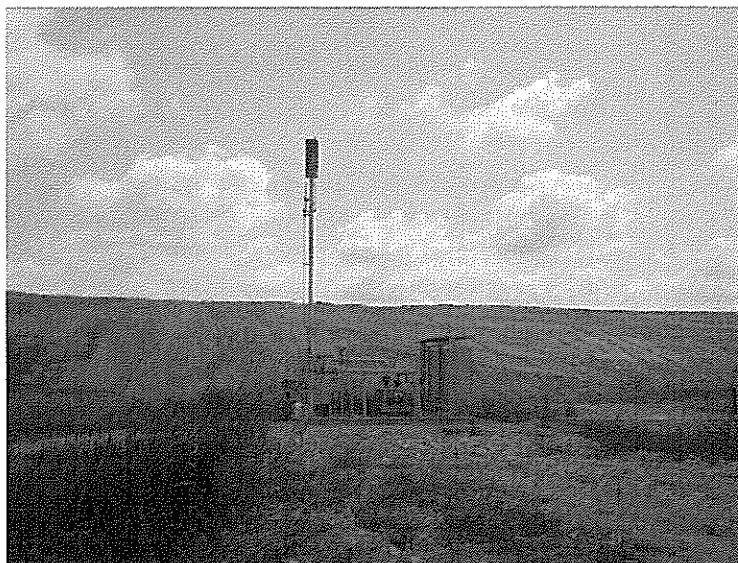
## ***DIGITAL PHOTOGRAPHS***

LPC #0390055036–DeWitt County  
Clinton/Clinton Landfill #3  
FOS File

DATE: August 14, 2014  
TIME: 10:00 A.M.-Noon  
DIRECTION: Southeast  
PHOTO by: Dustin Burger  
PHOTO FILENAME:  
0390055036-08142014-009.jpg  
COMMENTS: Gas header, condensate  
knock out, and gas lines



DATE: August 14, 2014  
TIME: 10:00 A.M.-Noon  
DIRECTION: East  
PHOTO by: Dustin Burger  
PHOTO FILENAME:  
0390055036-08142014-010.jpg  
COMMENTS: Unit 3 flare



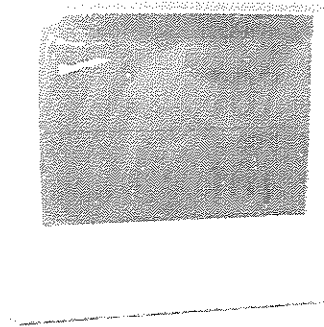


Illinois Environmental Protection Agency  
Bureau of Land

## ***DIGITAL PHOTOGRAPHS***

LPC #0390055036--DeWitt County  
Clinton/Clinton Landfill #3  
FOS File

DATE: August 14, 2014  
TIME: 10:00 A.M.-Noon  
DIRECTION: East  
PHOTO by: Dustin Burger  
PHOTO FILENAME:  
0390055036-08142014-011.jpg  
COMMENTS: flare readings



DATE: August 14, 2014  
TIME: 10:00 A.M.-Noon  
DIRECTION: East  
PHOTO by: Dustin Burger  
PHOTO FILENAME:  
0390055036-08142014-012.jpg  
COMMENTS: active area





# ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

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

July 31, 2014

CERTIFIED MAIL  
7010 2780 0002 1196 6934

Clinton Landfill, Inc.  
Attn: Mr. Ronald J. Welk  
4700 North Sterling Avenue  
P.O. Box 9071  
Peoria, Illinois 61612-9071

Re: 0390055036 – DeWitt County  
Clinton Landfill 3  
Permit No. 2005-070-LF  
Log No. 2014-359  
Expiration Date: February 15, 2017  
Permit File

Dear Mr. Welk:

In accordance with 35 Ill. Admin. Code 813.201(b), the Illinois Environmental Protection Agency is hereby modifying the permit granted to Clinton Landfill, Inc. as owner and operator. On February 5, 2008, the Agency received from Clinton Landfill, Inc. a permit application to modify Permit No. 2005-070-LF to create an area designated as a “chemical waste unit” that would accept wastes Clinton Landfill No. 3 was already permitted to accept as well as wastes it was not yet permitted to accept. The application did not contain a Certification of Siting Approval. Instead, Section 812.105 of the application stated that “[t]his application does not propose a new nor expansion to the currently permitted Clinton Landfill No. 3 and, therefore, local siting approval is not required for this permit modification.” On January 8, 2010, the Agency issued Permit Modification No. 9, which incorporated the information contained in the February 5, 2008 application. Since issuing Permit Modification No. 9, the Agency has received information indicating that the necessary local siting approval has not been granted for the modifications in Permit Modification No. 9.

This modification, which is Modification No. 47 and is designated in the Agency files as application Log No. 2014-359, includes several revisions to the introductory section included in Modification No. 46 to Permit No. 2005-070-LF. The introductory section of Modification No. 47 includes the following new language:

Under the provisions of 35 Ill. Adm. Code 813.201(b)(1), Modification No. 9 to Permit No. 2005-070-LF, which was originally issued on January 8, 2010 and approved development of the Chemical Waste Unit (CWU) at Clinton Landfill 3, is being revised, on July 31, 2014, through an Agency initiated modification (Modification No. 47) to prohibit acceptance of the following wastes at Clinton Landfill 3:

1. Manufactured Gas Plant (MGP) waste exceeding the regulatory levels specified in 35 Ill. Adm. Code 721.124(b) in the CWU; and
2. Polychlorinated Biphenyl (PCB) wastes, as defined in 40 Code of Federal Regulations (CFR) 761.3 in the CWU, unless:

- a. The local siting authority for Clinton Landfill 3 (currently the DeWitt County Board) grants local siting approval specifically allowing such waste to be disposed of in the CWU; and
- b. The U.S. Environmental Protection Agency (USEPA) approves the CWU as a “chemical waste landfill” as defined in 40 CFR 761.3.

Except for the differences indicated in the table below, the special conditions in Modification No. 47 are identical to the special conditions in Modification No. 46 to Permit No. 2005-070-LF, issued on July 30, 2014.

<u>Special Condition in Modification No. 46</u>	<u>Special Condition in Modification No. 47</u>	<u>Description of Modification</u>
<u>II.10.f</u>	<u>II.10.f</u>	<u>Amended to add obtaining local siting approval as a precondition to accepting PCB waste.</u>
<u>II.27.d and II.27.g</u>	<u>II.27.d and II.27.g</u>	<u>Revised to reference Modification No. 47 and Log No. 2014-359.</u>
<u>III.A.2.f</u>	<u>III.A.2.f</u>	<u>Amended to prohibit the disposal of Manufactured Gas Plant (MGP) waste exceeding the regulatory levels specified in 35 Ill. Adm. Code 721.124(b) in the CWU.</u>
<u>VII.12</u>	<u>VII.12</u>	<u>Amended to reflect the need to obtain local siting approval before accepting PCB waste and correct a typographical error.</u>
<u>VII.13</u>	<u>VII.13</u>	<u>Revised to correct a typographical error.</u>

In addition, Modification No. 47 includes the following revisions to the special conditions included in Modification No. 46 (added text is underlined; deleted text is ~~stricken~~):

Section II.10.f

- f. Only those types of polychlorinated biphenyls (PCB) wastes, as defined in 40 CFR 761.3 and subject to Toxic Substances Control Act (TSCA), that are allowed by 40 CFR Part 761 or TSCA to be disposed in a municipal solid waste landfill may be disposed in the MSW unit. PCB wastes which are allowed by 40 CFR 761 to be disposed in a “chemical waste landfill” as defined in 40 CFR 761.3 may be disposed in the CWU Unit, if and when all of the following conditions have been met:
  - i. The local siting authority for Clinton Landfill 3 (currently the DeWitt County Board) grants local siting approval specifically allowing such waste to be disposed of in the CWU;
  - ii. The U.S. Environmental Protection Agency (USEPA) permits the CWU as a “chemical waste landfill” as defined in 40 CFR 761.3;
  - iii. The CWU is constructed; and
  - iv. The Illinois EPA has approved operation authorization for the CWU, pursuant to 35 Ill. Adm. Code 813.203, allowing waste disposal to begin.

## MEMORANDUM

**Date** 4/21/2014  
**To:** BOL File Room  
**From:** Pamela Ketchum  
**Re:** LPC# 0398080007 - DeWitt County  
CLINTON LANDFILL 2  
Groundwater

**EPA - DIVISION OF RECORDS MANAGEMENT  
RELEASABLE**

**MAY 13 2014**

**REVIEWER EAV**

The Other (notice of no confirmed increase of groundwater exceedance from re-sample) for the above referenced facility was dated 4/18/2014 and was received by the Agency on 4/21/2014. A copy is attached.

**cc:** Champaign Regional Office -



# Illinois Environmental Protection Agency

Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

## SOLID WASTE LANDFILL GROUNDWATER, LEACHATE, FACILITY AND GAS REPORTING FORM

This form must be used as a cover for the following list of notices and reports required to be submitted to the Illinois EPA's Bureau of Land, Permit Section. This form must be used for Solid Waste facilities only. Reporting for Hazardous Waste facilities should be submitted on a separate form. All reports submitted to the Illinois EPA's Bureau of Land Permit Section must contain an original, plus a minimum of two copies.

**Note: This form is not to be used with permit applications. The facility's approved permit will state whether the document you are submitting is required as a report or an application.**

Facility Name: Clinton Landfill No. 2 Site ID #: 0398080007  
Facility Address: 9550 Heritage Rd, Clinton, IL 61727

Check the appropriate heading. Only one heading may be checked for each corresponding submittal. Check the appropriate sub-heading, where applicable. Attach the original and all copies behind this form.

LPC-160 Forms

Groundwater

Leachate

Quarterly - Enter 1, 2, 3, or 4

Quarterly - Enter 1, 2, 3, or 4

Semi-Annual

Semi-Annual

Annual

Annual

Biennial

Biennial

EPA-DIVISION OF RECORDS MANAGEMENT  
RELEASABLE

MAY 13 2014

Well Construction Information

REVIEWER EAV

Well Construction Forms, Boring Logs and/or Abandonment Forms

Well Survey Data (e.g., Stick-up Elevation Data)

Annual Groundwater Flow Evaluation

Notice of Observed Increase in Groundwater

Notice of Intent to Perform Confirmation Procedures (Re-sampling) in Groundwater

Notice of Confirmed Increase of Groundwater Exceedance from Re-sample

Notice of Methane Exceedances

Annual Facility Report (per 35 Ill. Adm. Code 813.504) and Gas Monitoring Report

Annual Certifications per 35 Ill. Adm. Code 813.501

Other (identify)

Notice of No Confirmed Increase of Groundwater Exceedance from Re-sample

RECEIVED

APR 21 2014

IEPA-BOL  
PERMIT SECTION



**PDC Technical Services, Inc.**

4349 Southport Road, P.O. Box 9071  
Peoria, Illinois 61615  
309.676.4893  
www.pdcarea.com

PDC Project No. 91-0118.10

April 18, 2014

Illinois Environmental Protection Agency  
Permit Section  
Bureau of Land -- #33  
1021 North Grand Avenue  
Post Office Box 19276  
Springfield, IL 62794 - 9276

**RE: 0398080007--DeWitt County  
Clinton Landfill No. 2  
Permit No. 1996-102-LFM  
Modification No. 89  
Special Condition IX.14**

Dear Sir or Madam:

On behalf of Clinton Landfill, Inc. (CLI), PDC Technical Services, Inc. (PDC) is submitting the results of the confirmation procedures (resamples) for the January 15, 2014 reporting period at the Clinton Landfill No. 2 (Facility), in accordance with the above-referenced permit condition. CLI notified the Illinois Environmental Protection Agency (IEPA) of the apparent exceedances from the initial sampling event in a letter dated March 27, 2014. Table 1 is attached to show the wells, parameters, initial and resample results, and the associated standards.

Resample results did not confirm the apparent exceedances for acetone at well R43D and dissolved nitrate at wells G35S, R40D, G53D and G54D. CLI will continue routine detection monitoring for these wells and parameters.

As outlined in the March 27, 2014 notification letter and summarized in the attached Table 2, several exceedances were previously identified and confirmed. As the 1<sup>st</sup> quarter 2014 results for these parameters were consistent with or declining from previous results, additional samples were not collected to confirm the initial results. CLI is currently collecting background for total fluoride at well B28S, as outlined Condition VII.24 of the Facility permit. Exceedances for dissolved nitrate at wells G34D and R55D were previously identified and confirmed in the 2<sup>nd</sup> quarter of 2013, and were addressed in significant permit modification application Log No. 2013-497. This application was approved on February 27, 2014. Exceedances for dissolved nitrate were at wells G37S, R50D, and G51D and dissolved sulfate at well G37S were observed in the 3<sup>rd</sup> quarter 2013 and were addressed in a permit modification application Log No. 2014-027. As these exceedances had already been addressed in a significant permit modification application during the 4<sup>th</sup> quarter 2013, they will not be further addressed in an additional

**Our Work: Here to serve.**

**Our Promise: Here to protect.**

**Our Future: Here to preserve.**  
PERMIT SECTION

RECEIVED  
APR 21 2014

application. CLI will continue routine detection monitoring at wells G37S, R50D, and G51D, pending IEPA review of Application Log No. 2014-027.

If you have any questions or need any additional information, please contact the undersigned.

Sincerely,  
**PDC Technical Services, Inc.**



Joyce A. Day, P.G.  
Senior Hydrogeologist  
(309) 495-1562

cc: Ron Welk/Jenny Hinton  
Dave Bryant  
File



**TABLE 1**  
**Clinton Landfill No. 2**  
**Results of Confirmation Procedures for 4<sup>th</sup> Quarter 2013**

WELL	PARAMETER	Inter well AGQS/ MAPC	Intra well AGQS	8 Qtr Inc?	Org. Par. Increase	Result	*Resample?
G35S	Nitrate (dissolved), mg/L	<b>1.4</b>	NE	No	N/A	<b>3.8</b>	<0.02
R40D	Nitrate (dissolved), mg/L	<b>0.65</b>	NE	No	N/A	<b>1.3</b>	<0.02
R43D	Acetone, µg/L	<b>10</b>	NE	No	Yes	<b>30</b>	<5
G53D	Nitrate (dissolved), mg/L	<b>0.65</b>	NE	No	N/A	<b>0.75</b>	<0.02
G54D	Nitrate (dissolved), mg/L	<b>0.65</b>	NE	No	N/A	<b>2</b>	<0.02

Notes:

1. AGQS/MAPC: Applicable Groundwater Quality Standard/Maximum Allowable Predicted Concentration
2. dissolved = filtered sample; total = unfiltered sample
3. mg/L = milligrams per liter = parts per million (ppm)
4. µg/L = micrograms per liter = parts per billion (ppb)
5. µmhos/cm = micromhos per centimeter; s.u. = standard units
6. < = parameter not detected above the laboratory reporting limit
7. Exceeding values and the associated standards are displayed in **BOLD**.
8. \*4<sup>th</sup> quarter 2013 sample results were used to confirm the 3<sup>rd</sup> quarter 2013 apparent exceedances.

s:\projects\91-118 cli\documents\gw docs\2013\cli2\2013\_4q\_cli2\_notif.docx

**TABLE 2**  
**Clinton Landfill No. 2**  
**Previously Identified Exceedances for Routine Parameters in 4<sup>th</sup> Quarter 2013**

WELL	PARAMETER	Inter well AGQS/ MAPC	Intra well AGQS	8 Qtr Inc?	Org. Par. Increase	Result	Pending Application*
B28S	Fluoride (total), mg/L Arsenic (total), µg/L	<b>0.5</b> <b>81</b>	NE NE	No No	N/A N/A	<b>0.554</b> <b>89</b>	Special Condition VII.24
G34D	Nitrate (dissolved), mg/L	<b>0.65</b>	NE	No	N/A	<b>0.83</b>	2013-497
G37S	Nitrate (dissolved), mg/L Sulfate (dissolved), mg/L	<b>1.4</b> <b>661</b>	NE NE	No No	N/A	<b>2.3</b> <b>780</b>	2014-027 2014-027
R50D	Nitrate (dissolved), mg/L	<b>0.65</b>	NE	No	N/A	<b>0.81</b>	2014-027
G51D	Nitrate (dissolved), mg/L	<b>0.65</b>	NE	No	N/A	<b>1.8</b>	2014-027
R55D	Nitrate (dissolved), mg/L	<b>0.65</b>	NE	No	N/A	<b>1.1</b>	2013-497

Notes:

1. AGQS/MAPC: Applicable Groundwater Quality Standard/Maximum Allowable Predicted Concentration
2. dissolved = filtered sample; total = unfiltered sample
3. mg/l = milligrams per liter = parts per million (ppm)
4. µg/l = micrograms per liter = parts per billion (ppb)
5. Exceeding values and the associated standards are displayed in **BOLD**.
6. \*CLI has previously confirmed an apparent exceedance for this parameter and the confirmed exceedance has been addressed/will be addressed in association with the listed applications/assessment activities.

## Burger, Dustin

---

**From:** Ron Welk <RWelk@pdcarearea.com>  
**Sent:** Monday, August 18, 2014 10:59 AM  
**To:** Burger, Dustin  
**Cc:** Chris Coulter; David Bryant; Jenny Hinton; Kyle Martin  
**Subject:** Clinton Landfill IEPA Inspection Additional Information  
**Attachments:** Clinton LF Site wide Aerial 2011 with Surdex 7-29-14 (911182522).pdf; NPDES Outfall 009 2-11-13 to 7-10-14.pdf

Dustin:

At Dave Bryant's request and further to your August 14, 2014, inspection of Clinton Landfill, please find attached the most recent aerial photo of the Clinton Landfill facility. In an attempt to provide the most recent image possible for the active Clinton Landfill No. 3, we used the image from the flyover that was conducted by Surdex Corporation on 7/29/14. We contract with Surdex to complete flyovers of each of our active landfills each year to optimize construction planning and the accuracy of our capacity certifications to IEPA. In order to depict the entire facility, the Clinton Landfill No. 3 Surdex image was placed over the Illinois State Geological Survey imagery from 2011. This hybrid image provides the most recent image for the active landfill while also showing the entire facility. Because we do not have any more recent aerial photos than these, Google Earth imagery may also be helpful to the Agency.

Also as you requested, please also find attached the analytical data reported for the Clinton Landfill Outfall No. 009 during the last 18 months. All data are below the applicable Illinois water quality standards.

If you have any questions regarding this information or if any additional information is desired, please do not hesitate to contact me at your convenience.

Sincerely,

Ron Welk  
Peoria Disposal Company  
4349 W. Southport Road  
Peoria, IL 61615  
E-mail to: [rwelk@pdcarearea.com](mailto:rwelk@pdcarearea.com)  
Phone: (309)495-1551  
Fax: (309) 672-2726  
Website: [www.pdcarearea.com](http://www.pdcarearea.com)



**PDC Laboratories, Inc.**  
 2231 W. Altorfer Drive • Peoria, IL 61615  
 (309) 692-9688 • (800) 752-8651 • FAX (309) 692-9689



Clinton Landfill  
 C/O PDC Technical Services 4349 Southport Rd  
 Peoria, IL 61615  
 Attn: Bill Bicher

Date Received: 02/11/13 13:47  
 Report Date: 02/21/13  
 Customer #: 280105

**\*Laboratory Results\***

Sample No: 3021247-01

Collect Date: 02/11/13 07:40

Matrix: Storm Water Grab

Sample Description: OUTFALL 009 GRAB

Parameters	Result	Qual	Prep Date	Analysis Date	Analyst	Method
<b>Anions - PIA</b>						
Chloride	18 mg/L		02/21/13 00:20	02/21/13 00:20	SJW	EPA 300.0 R2.1
Fluoride	< 0.250 mg/L		02/21/13 00:03	02/21/13 00:03	SJW	EPA 300.0 R2.1
Sulfate	210 mg/L		02/21/13 00:38	02/21/13 00:38	SJW	EPA 300.0 R2.1
<b>General Chemistry - PIA</b>						
BOD	< 4.0 mg/L	C	02/11/13 15:22	02/11/13 15:22	ASB	SM 5210B 18Ed
Hardness	330 mg CaCO3/L		02/12/13 15:31	02/12/13 15:35	SCS	SM 2340C 18Ed
Hexavalent chromium	< 0.0050 mg/L		02/11/13 14:40	02/11/13 14:40	ASB	SM 3500Cr-D 18Ed
Oil & Grease - total	< 5.0 mg/L		02/18/13 07:30	02/18/13 07:30	TAS	EPA 1664A
Phenolics	< 0.0050 mg/L		02/19/13 12:13	02/20/13 13:02	lgbrs	EPA 420.4 - QC 10-210-00-1A
Solids - total dissolved solids (TDS)	400 mg/L		02/18/13 14:52	02/18/13 16:11	REM	SM 2540C 18Ed
Solids - total suspended solids (TSS)	8.4 mg/L		02/18/13 10:31	02/18/13 11:55	REM	SM 2540D 18Ed
Total Organic Carbon (TOC)	3.5 mg/L		02/15/13 18:09	02/15/13 18:09	Iglas	5310C
Trivalent Chromium	< 0.0090 mg/L		02/13/13 08:30	02/13/13 14:39	ASB	calculation
<b>Nutrients - PIA</b>						
Ammonia-N	< 0.10 mg/L		02/12/13 09:00	02/12/13 10:48	lgthh	EPA 350.1 - QC 10-107-06-1-I & J
<b>Pesticides - PIA</b>						
Aroclors - Total	< 5.0 ug/L		02/12/13 08:21	02/14/13 22:45	JMT	EPA 608
<b>Soluble Metals - PIA</b>						
Iron	0.18 mg/L		02/18/13 16:06	02/19/13 15:45	JMW	EPA 200.7 R4.4
<b>Total Metals - PIA</b>						
Arsenic	< 0.020 mg/L		02/13/13 08:30	02/13/13 14:39	JMW	EPA 200.7 R4.4
Barium	0.033 mg/L		02/13/13 08:30	02/13/13 14:39	JMW	EPA 200.7 R4.4
Boron	0.033 mg/L		02/13/13 08:30	02/14/13 13:17	JMW	EPA 200.7 R4.4
Cadmium	< 0.0020 mg/L		02/13/13 08:30	02/13/13 14:39	JMW	EPA 200.7 R4.4
Chromium	< 0.0040 mg/L		02/13/13 08:30	02/13/13 14:39	JMW	EPA 200.7 R4.4
Copper	< 0.030 mg/L		02/13/13 08:30	02/13/13 14:39	JMW	EPA 200.7 R4.4
Iron	0.32 mg/L		02/13/13 08:30	02/13/13 14:39	JMW	EPA 200.7 R4.4
Lead	< 0.010 mg/L		02/13/13 08:30	02/13/13 14:39	JMW	EPA 200.7 R4.4
Manganese	0.011 mg/L		02/13/13 08:30	02/13/13 14:39	JMW	EPA 200.7 R4.4

3021247



**PDC Laboratories, Inc.**  
 2231 W. Altorfer Drive • Peoria, IL 61615  
 (309) 692-9688 • (800) 752-6651 • FAX (309) 692-9689



Clinton Landfill  
 C/O PDC Technical Services 4349 Southport Rd  
 Peoria, IL 61615  
 Attn: Bill Bicher

Date Received: 02/11/13 13:47  
 Report Date: 02/21/13  
 Customer #: 280105

**\*Laboratory Results\***

Sample No: 3021247-01

Collect Date: 02/11/13 07:40  
 Matrix: Storm Water Grab

Sample Description: OUTFALL 009 GRAB

Parameters	Result	Qual	Prep Date	Analysis Date	Analyst	Method
<u>Total Metals - PIA</u>						
Mercury	< 0.00020 mg/L		02/15/13 10:18	02/15/13 13:21	KJP	EPA 245.1 R3.0
Nickel	< 0.010 mg/L		02/13/13 08:30	02/13/13 14:39	JMW	EPA 200.7 R4.4
Zinc	< 0.010 mg/L		02/13/13 08:30	02/13/13 14:39	JMW	EPA 200.7 R4.4

PDC LABORATORIES, INC.  
 2231 WEST ALTORFER DRIVE PHONE # 309-692-9688  
 PEORIA, IL 61615 FAX # 309-692-9689 State where samples collected IL

**CHAIN OF CUSTODY RECORD**

ALL HIGHLIGHTED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

<b>1 CLIENT</b> CLINTON LANDFILL ADDRESS: 9550 HERITAGE ROAD CITY: CLINTON, IL 61727 STATE: IL ZIP: 61727 CONTRACT PERSON: RON WEIK	PROJECT NUMBER: 309-485-1651 PHONE NUMBER: 309-485-1651 FAX NUMBER: DATE SHIPPED:	P.O. NUMBER: MEANS SHIPPED:	<b>3 ANALYSIS REQUESTED</b> <input checked="" type="checkbox"/> BOD, CL, FL, HARD, SO4, TDS, CO <sub>2</sub> , PCBs <input checked="" type="checkbox"/> Ammonia <input checked="" type="checkbox"/> Phenols <input checked="" type="checkbox"/> TOC <input checked="" type="checkbox"/> G&O <input checked="" type="checkbox"/> Total Metals <input checked="" type="checkbox"/> Dissolved Iron
<b>2 SAMPLE DESCRIPTION AS YOU WANT ON REPORT</b> QUARTERLY STORMWATER - OUTFALL 006 (BASIN A) TEMP = _____ PH = _____ QUARTERLY STORMWATER - OUTFALL 009 (BASIN B) TEMP = 42.0 PH = 6.0			
<b>4 (FOR LAB USE ONLY)</b> LOGGED BY: [Signature] LAB PROJ. # [Blank] TEMPLATE: LE-NPDS PROJ. NO. [Blank]			
<b>5 TURNAROUND TIME REQUESTED (PLEASE CIRCLE)</b> (NORMAL IS SUBJECT TO PDC LABS APPROVAL AND SCHEDULING) RUSH RESULTS VIA (PLEASE CIRCLE) FAX PHONE FAX/IF DIFFERENT FROM ABOVE: PHONE/IF DIFFERENT FROM ABOVE:			
<b>6 COMMENTS (FOR LAB USE ONLY)</b> THE SAMPLE SUBMITTED WITH NO MEASUREMENTS UPON RECEIPT AT THE LAB. BY INITIATING THIS TEST REQUEST THAT THE LAB NOTIFY YOU, BEFORE PROCESSING WITH ANALYSIS. IF THIS IS NOT DONE, YOU WILL BE PROCEEDED WITH ANALYSIS AT YOUR RISK REGARDLESS OF THE SAMPLE TEMPERATURE. COMMENTS: FOR LAB USE ONLY NO PDC INTO HASOY FROM WEIK'S BOATLE MS			

Y:\Storm Water\COC Stormwater page 2.doc



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Clinton Landfill  
 C/O PDC Technical Services 4349 Southport Rd  
 Peoria, IL 61615  
 Attn: Bill Bicher

Date Received: 03/22/13 13:35  
 Report Date: 04/08/13  
 Customer #: 280105

\*Laboratory Results\*

Sample No: 3032787-01

Collect Date: 03/22/13 08:50  
 Matrix: Storm Water Grab

Sample Description: OUTFALL 009 GRAB

Parameters	Result	Qual	Prep Date	Analysis Date	Analyst	Method
<b>Anions - PIA</b>						
Chloride	16 mg/L		03/29/13 23:05	03/29/13 23:05	SJW	EPA 300.0 R2.1
Fluoride	0.258 mg/L		03/29/13 21:37	03/29/13 21:37	SJW	EPA 300.0 R2.1
Sulfate	240 mg/L		04/02/13 10:48	04/02/13 10:48	PLI	EPA 300.0 R2.1
<b>General Chemistry - PIA</b>						
BOD	< 4.0 mg/L		03/22/13 15:32	03/22/13 15:32	ASB	SM 5210B 18Ed
Hardness	380 mg CaCO <sub>3</sub> /L		03/26/13 15:04	03/26/13 15:04	SCS	SM 2340C 18Ed
Hexavalent chromium	< 0.0050 mg/L		03/22/13 15:01	03/22/13 15:01	ASB	SM 3500Cr-D 18Ed
Oil & Grease - total	< 5.0 mg/L		03/28/13 07:30	03/28/13 07:30	TAS	EPA 1664A
Phenolics	< 0.0050 mg/L		03/25/13 09:29	03/26/13 16:37	lgbrs	EPA 420.4 - QC 10-210-00-1A
Solids - total dissolved solids (TDS)	460 mg/L		03/26/13 12:02	03/26/13 13:00	REM	SM 2540C 18Ed
Solids - total suspended solids (TSS)	< 4.0 mg/L		03/28/13 07:37	03/28/13 09:20	REM	SM 2540D 18Ed
Total Organic Carbon (TOC)	3.6 mg/L		03/25/13 20:25	03/25/13 20:25	lgsjf	5310C
Trivalent Chromium	< 0.0090 mg/L		03/25/13 08:00	03/25/13 17:03	ASB	calculation
<b>Nutrients - PIA</b>						
Ammonia-N	< 0.10 mg/L		03/25/13 10:21	03/25/13 13:04	lgthh	EPA 350.1 - QC 10-107-06-1-I & J
<b>Pesticides - PIA</b>						
Aroclors - Total	< 5.0 ug/L		03/25/13 08:21	03/29/13 23:03	JMT	EPA 608
<b>Soluble Metals - PIA</b>						
Iron	< 0.010 mg/L		03/27/13 14:17	03/28/13 10:00	JMW	EPA 200.7 R4.4
<b>Total Metals - PIA</b>						
Arsenic	< 0.020 mg/L		03/25/13 08:00	03/25/13 17:03	JMW	EPA 200.7 R4.4
Barium	0.043 mg/L		03/25/13 08:00	03/25/13 17:03	JMW	EPA 200.7 R4.4
Boron	0.085 mg/L		03/25/13 08:00	03/26/13 10:37	JMW	EPA 200.7 R4.4
Cadmium	< 0.0020 mg/L		03/25/13 08:00	03/25/13 17:03	JMW	EPA 200.7 R4.4
Chromium	< 0.0040 mg/L		03/25/13 08:00	03/25/13 17:03	JMW	EPA 200.7 R4.4
Copper	< 0.030 mg/L		03/25/13 08:00	03/25/13 17:03	JMW	EPA 200.7 R4.4
Iron	0.18 mg/L		03/25/13 08:00	03/25/13 17:03	JMW	EPA 200.7 R4.4
Lead	< 0.010 mg/L		03/25/13 08:00	03/25/13 17:03	JMW	EPA 200.7 R4.4
Manganese	0.012 mg/L		03/25/13 08:00	03/25/13 17:03	JMW	EPA 200.7 R4.4

3032787



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Clinton Landfill  
 C/O PDC Technical Services 4349 Southport Rd  
 Peoria, IL 61615  
 Attn: Bill Bicher

Date Received: 03/22/13 13:35  
 Report Date: 04/08/13  
 Customer #: 280105

\*Laboratory Results\*

Sample No: 3032787-01

Collect Date: 03/22/13 08:50

Matrix: Storm Water Grab

Sample Description: OUTFALL 009 GRAB

Parameters	Result	Qual	Prep Date	Analysis Date	Analyst	Method
<b>Total Metals - PIA</b>						
Mercury	< 0.00020 mg/L		04/02/13 08:54	04/02/13 10:33	KJP	EPA 245.1 R3.0
Nickel	< 0.010 mg/L		03/25/13 08:00	03/25/13 17:03	JMW	EPA 200.7 R4.4
Zinc	< 0.010 mg/L		03/25/13 08:00	03/25/13 17:03	JMW	EPA 200.7 R4.4

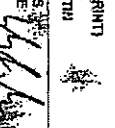


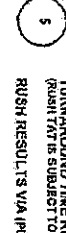



PDC LABORATORIES, INC.  
 2231 WEST ALTORFER DRIVE  
 PEORIA, IL 61615

PHONE # 309-692-9688  
 FAX # 309-692-9689

CHAIN OF CUSTODY RECORD  
 State where samples collected IL

ALL HIGHLIGHTED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

1 CLIENT <b>CLINTON LANDFILL</b>		PROJECT NUMBER		P.O. NUMBER		MEANS SHIPPED		3 ANALYSIS REQUESTED		4 (FOR LAB USE ONLY) LOGIN # <u>3032982-1</u> LAB PROL # <u>1</u> TEMPLATE: PROL. MGR:	
ADDRESS <b>9500 HERITAGE ROAD</b>		PHONE NUMBER <b>309-496-1881</b>		FAX NUMBER		DATE SHIPPED		5 (FOR LAB USE ONLY) LOGIN # <u>3032982-1</u> LAB PROL # <u>1</u> TEMPLATE: PROL. MGR:		REMARKS	
CITY <b>CLINTON, IL 61727</b>		SAMPLER (PLEASE PRINT) <b>KYLE M. WATKI</b>		MATRIX TYPE: WWT WASTEWATER DR. GROUND WATER WWS-ALUDGE PAS-SOLID LGHT-LEACHATE OTHER: STORMWATER		DATE COLLECTED		TIME COLLECTED		SAMPLE TYPE CSMB CSMP	
CONTACT PERSON <b>RON WELK</b>		SIGNATURE 		DATE COLLECTED		TIME COLLECTED		SAMPLE TYPE		REMARKS	
2 SAMPLE DESCRIPTION AS YOU WANT ON REPORT <b>QUARTERLY STORMWATER - OUTFALL 006 (BASIN A)</b>		DATE COLLECTED		TIME COLLECTED		SAMPLE TYPE		MATRIX TYPE		BOTTLE COUNT	
TEMP = _____ PH = _____		DATE COLLECTED		TIME COLLECTED		SAMPLE TYPE		MATRIX TYPE		BOTTLE COUNT	
QUARTERLY STORMWATER - OUTFALL 009 (BASIN B)		DATE COLLECTED		TIME COLLECTED		SAMPLE TYPE		MATRIX TYPE		BOTTLE COUNT	
TEMP = <u>42.30F</u> PH = <u>7.20</u>		DATE COLLECTED		TIME COLLECTED		SAMPLE TYPE		MATRIX TYPE		BOTTLE COUNT	
5 TURNAROUND TIME REQUESTED (PLEASE CIRCLE) (RUSH FEE IS SUBJECT TO PDC LABS APPROVAL AND SUDJUDGMENT) RUSH RESULTS VIA PLEASE CIRCLE! FAX PHONE FAX # IF DIFFERENT FROM ABOVE: PHONE # IF DIFFERENT FROM ABOVE:		NORMAL		RUSH		DATE RESULTS NEEDED		6 THIS SAMPLE TEMPERATURE WILL BE MEASURED UPON RECEIPT AT THE LAB. BY INITIATING THIS PROCEDURE YOU REQUEST THAT THE LAB NOTIFY YOU, BEFORE PROCEEDING WITH ANALYSIS, IF THE SAMPLE TEMPERATURE IS OUTSIDE OF THE RANGE OF 0-10°C. BY NOT INITIATING THIS PROCEDURE YOU ALLOW THE LAB TO PROCEED WITH ANALYSIS REGARDLESS OF THE SAMPLE TEMPERATURE.		TOTAL METALS: AS, BA, CD, CR, CU, FE, HGM, MN, PB, ZN	
1 RELINQUISHED BY (SIGNATURE) 		DATE TIME <b>3-22-13</b> <b>10:20</b>		RECEIVED BY (SIGNATURE) 		DATE TIME <b>3/22/13</b> <b>11:00</b>		6 CHILL PROCESS STARTED PRIOR TO RECEIPT SAMPLES RECEIVED ON ICE PROPER BOTTLES RECEIVED IN GOOD CONDITION BOTTLES FILLED WITH ADEQUATE VOLUME SAMPLES RECEIVED WITHIN HOLD TIME(S) (EXCLUDES TYPICAL FIELD PARAMETERS) DATE AND TIME TAKEN FROM SAMPLE BOTTLE		COMMENTS: (FOR LAB USE ONLY)	
2 RELINQUISHED BY (SIGNATURE) 		DATE TIME <b>3/22/13</b> <b>13:35</b>		RECEIVED BY (SIGNATURE) 		DATE TIME <b>3/22/13</b> <b>13:35</b>		COMMENTS: (FOR LAB USE ONLY)		COMMENTS: (FOR LAB USE ONLY)	



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Clinton Landfill  
 C/O PDC Technical Services 4349 Southport Rd  
 Peoria, IL 61615  
 Attn: Bill Bicher

Date Received: 05/02/13 17:20  
 Report Date: 05/15/13  
 Customer #: 280105

**\*Laboratory Results\***

Sample No: 3050397-01

Collect Date: 05/02/13 07:38  
 Matrix: Storm Water Grab

Sample Description: OUTFALL 009 GRAB

Parameters	Result	Qual	Prep Date	Analysis Date	Analyst	Method
<b><u>Anions - PIA</u></b>						
Chloride	9.2 mg/L		05/13/13 22:04	05/13/13 22:04	SJW	EPA 300.0 R2.1
Fluoride	0.259 mg/L		05/13/13 21:47	05/13/13 21:47	SJW	EPA 300.0 R2.1
Sulfate	190 mg/L		05/13/13 22:22	05/13/13 22:22	SJW	EPA 300.0 R2.1
<b><u>General Chemistry - PIA</u></b>						
BOD	< 4.0 mg/L		05/03/13 09:00	05/03/13 09:00	ASB	SM 5210B 18Ed
Hardness	270 mg CaCO3/L		05/10/13 11:41	05/10/13 11:41	SCS	SM 2340C 18Ed
Hexavalent chromium	< 0.0050 mg/L		05/03/13 06:39	05/03/13 06:39	ASB	SM 3500Cr-D 18Ed
Oil & Grease - total	< 5.7 mg/L		05/10/13 11:01	05/10/13 11:01	TAS	EPA 1664A
Phenolics	< 0.0050 mg/L		05/06/13 08:46	05/07/13 12:57	lgbrs	EPA 420.4 - QC 10-210-00-1A
Solids - total dissolved solids (TDS)	340 mg/L		05/09/13 11:22	05/09/13 12:29	REM	SM 2540C 18Ed
Solids - total suspended solids (TSS)	4.4 mg/L		05/09/13 06:53	05/09/13 10:01	REM	SM 2540D 18Ed
Total Organic Carbon (TOC)	4.0 mg/L		05/06/13 16:02	05/06/13 16:02	lgsjf	5310C
Trivalent Chromium	< 0.0090 mg/L		05/03/13 08:10	05/03/13 14:15	ASB	calculation
<b><u>Nutrients - PIA</u></b>						
Ammonia-N	< 0.10 mg/L		05/03/13 13:30	05/03/13 15:18	lgthh	EPA 350.1 - QC 10-107-06-1-I & J
<b><u>Pesticides - PIA</u></b>						
Aroclors - Total	< 5.0 ug/L		05/03/13 09:57	05/07/13 02:49	ELS	EPA 608
<b><u>Soluble Metals - PIA</u></b>						
Iron	< 0.010 mg/L		05/06/13 12:16	05/07/13 11:02	JMW	EPA 200.7 R4.4
<b><u>Total Metals - PIA</u></b>						
Arsenic	< 0.020 mg/L		05/03/13 08:10	05/03/13 14:15	JMW	EPA 200.7 R4.4
Barium	0.038 mg/L		05/03/13 08:10	05/03/13 14:14	JMW	EPA 200.7 R4.4
Baron	0.073 mg/L		05/03/13 08:10	05/03/13 14:14	JMW	EPA 200.7 R4.4
Cadmium	< 0.0020 mg/L		05/03/13 08:10	05/03/13 14:15	JMW	EPA 200.7 R4.4
Chromium	< 0.0040 mg/L		05/03/13 08:10	05/03/13 14:15	JMW	EPA 200.7 R4.4
Copper	< 0.030 mg/L		05/03/13 08:10	05/03/13 14:14	JMW	EPA 200.7 R4.4
Iron	0.27 mg/L		05/03/13 08:10	05/03/13 14:14	JMW	EPA 200.7 R4.4
Lead	< 0.010 mg/L		05/03/13 08:10	05/03/13 14:15	JMW	EPA 200.7 R4.4
Manganese	0.023 mg/L		05/03/13 08:10	05/03/13 14:14	JMW	EPA 200.7 R4.4

3050397



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Clinton Landfill  
 C/O PDC Technical Services 4349 Southport Rd  
 Peoria, IL 61615  
 Attn: Bill Bicher

Date Received: 05/02/13 17:20  
 Report Date: 05/15/13  
 Customer #: 280105

**\*Laboratory Results\***

Sample No: 3050397-01

Collect Date: 05/02/13 07:38  
 Matrix: Storm Water Grab

Sample Description: OUTFALL 009 GRAB

Parameters	Result	Qual	Prep Date	Analysis Date	Analyst	Method
<b>Total Metals - PIA</b>						
Mercury	< 0.00020 mg/L		05/09/13 10:53	05/10/13 14:39	KJP	EPA 245.1 R3.0
Nickel	< 0.010 mg/L		05/03/13 08:10	05/03/13 14:15	JMW	EPA 200.7 R4.4
Zinc	< 0.010 mg/L		05/03/13 08:10	05/03/13 14:15	JMW	EPA 200.7 R4.4

PDC LABORATORIES, INC.  
 2231 WEST ALTORFER DRIVE PHONE # 309-692-9688  
 PEORIA, IL 61615 FAX # 309-692-9689 State where samples collected

CHAIN OF CUSTODY RECORD

IL

ALL HIGHLIGHTED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

CLIENT <b>CLINTON LANDFILL</b>		PHONE NUMBER 309-495-1631	FAX NUMBER	MEANS SHIPPED	ANALYSIS REQUESTED		(FOR LAB USE ONLY) LOGIN # <u>2850397-1</u> LAB PROLN TEMPLATE: <u>[Signature]</u> PRD/JGR:	
ADDRESS <b>9560 HERITAGE ROAD</b>		CITY <b>CLINTON, IL 61727</b>		DATE SAMPLE COLLECTED <b>5-2-13</b>	TIME SAMPLE COLLECTED <b>08:23 AM</b>	SAMPLE TYPE <b>QUARTERLY STORMWATER - OUTFALL 008 (BASIN A)</b>	MATRIX TYPE WA- WASTEWATER DW- DRINKING WATER GW- GROUND WATER WS- SOLID WASTE LS- LEACHATE	BOTTLE COUNT BOD, CL, F, HARD, SO4, TDS, Cr+6, Pb, PCBs
CONTACT PERSON <b>RON WELK</b>		SAMPLER (PLEASE PRINT) <b>AYLE MARTIN</b>		<input checked="" type="checkbox"/> OTH	<input checked="" type="checkbox"/> Ammonia	<input checked="" type="checkbox"/> Phenols	<input checked="" type="checkbox"/> TOC	<input checked="" type="checkbox"/> S&O
STATE <b>IL</b>		SAMPLER'S SIGNATURE <u>[Signature]</u>		<input checked="" type="checkbox"/> Total Metals	<input checked="" type="checkbox"/> Dissolved Iron	REMARKS		
QUARTERLY STORMWATER - OUTFALL 008 (BASIN A)		TEMP = _____ PH = _____		TOTAL METALS: AS, B, BA, CD, CR, CU, FE, Hg, MN, PB, P, ZN			COMMENTS: (FOR LAB USE ONLY)	
QUARTERLY STORMWATER - OUTFALL 008 (BASIN B)		TEMP = <u>69.1</u> PH = <u>8.7</u> <u>2.0</u>		CHILL PROCESS STARTED PRIOR TO RECEIPT SAMPLE(S) RECEIVED ON ICE PROPER BOTTLES RECEIVED IN GOOD CONDITION BOTTLES FILLED WITH ADEQUATE VOLUME SAMPLES RECEIVED WITHIN HOLD TIMES (INCLUDES TYPICAL FIELD PARAMETERS) DATE AND TIME TAKEN FROM SAMPLE BOTTLE			SIGNATURE: <u>[Signature]</u>	
RUSH (THIS IS SUBJECT TO PDC LABS APPROVAL AND SHARING)		DATE RESULTS NEEDED		This sample temperature will be measured upon receipt at the lab. By initiating this you request that the lab notify you, before proceeding with analysis, if the sample temperature is outside of the range of 0-15.0°C. By not initiating this area you allow the lab to proceed with analytical testing regardless of the sample temperature.			SIGNATURE: <u>[Signature]</u>	
RELINQUISHED BY: (SIGNATURE) <u>[Signature]</u>		RECEIVED BY: (SIGNATURE) <u>[Signature]</u>		DATE DATE TIME <u>5-2-13</u> <u>11:15</u>		DATE TIME <u>5-13</u> <u>11:15</u>		SAMPLE TEMPERATURE UPON RECEIPT
RELINQUISHED BY: (SIGNATURE) <u>[Signature]</u>		RECEIVED BY: (SIGNATURE) <u>[Signature]</u>		DATE TIME <u>5-2-13</u> <u>11:15</u>		DATE TIME <u>5-13</u> <u>11:15</u>		SAMPLE TEMPERATURE UPON RECEIPT



**PDC Laboratories, Inc.**  
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Clinton Landfill  
 C/O PDC Technical Services 4349 Southport Rd  
 Peoria, IL 61615  
 Attn: Bill Bicher

Date Received: 09/27/13 12:45  
 Report Date: 10/14/13  
 Customer #: 280105

\*Laboratory Results\*

Sample No: 3093818-01

Collect Date: 09/27/13 09:40  
 Matrix: Storm Water Grab

Sample Description: OUTFALL 004 GRAB

Parameters	Result	Qual	Prep Date	Analysis Date	Analyst	Method
<b>Total Metals - PIA</b>						
Magnesium	120 mg/L		09/30/13 12:40	09/30/13 23:00	JMW	EPA 200.7 R4.4
Manganese	0.30 mg/L		09/30/13 12:40	09/30/13 23:01	JMW	EPA 200.7 R4.4
Mercury	< 0.00020 mg/L		10/02/13 14:40	10/03/13 11:09	KJP	EPA 245.1 R3.0
Nickel	< 0.010 mg/L		09/30/13 12:40	09/30/13 23:02	JMW	EPA 200.7 R4.4
Zinc	< 0.010 mg/L		09/30/13 12:40	09/30/13 23:02	JMW	EPA 200.7 R4.4

Sample No: 3093818-02

Collect Date: 09/27/13 09:15  
 Matrix: Storm Water Grab

Sample Description: OUTFALL 009 GRAB

Parameters	Result	Qual	Prep Date	Analysis Date	Analyst	Method
<b>Anions - PIA</b>						
Chloride	14 mg/L		09/30/13 12:04	09/30/13 12:04	TAS	EPA 300.0 R2.1
Fluoride	0.347 mg/L		09/30/13 11:45	09/30/13 11:45	TAS	EPA 300.0 R2.1
Sulfate	190 mg/L		09/30/13 12:23	09/30/13 12:23	TAS	EPA 300.0 R2.1
<b>General Chemistry - PIA</b>						
BOD	< 4.0 mg/L		09/27/13 14:25	09/27/13 14:25	BNS	SM 5210B 18Ed
Hexavalent chromium	< 0.0050 mg/L		09/27/13 15:28	09/27/13 15:28	SCS	SM 3500Cr-D 18Ed
Oil & Grease - total	< 5.6 mg/L		10/07/13 07:38	10/07/13 16:00	REM	EPA 1664A
Phenolics	< 0.0050 mg/L		10/01/13 16:39	10/02/13 14:27	lgsjf	EPA 420.4 - QC 10-210-00-1A
Solids - total dissolved solids (TDS)	380 mg/L		09/30/13 14:08	09/30/13 14:19	SMP	SM 2540C 18Ed
Solids - total suspended solids (TSS)	6.8 mg/L		10/03/13 07:45	10/03/13 09:45	SMP	SM 2540D 18Ed
Total Organic Carbon (TOC)	3.1 mg/L		09/30/13 14:33	09/30/13 14:33	LGTAS	5310C
Trivalent Chromium	< 0.0090 mg/L		10/02/13 11:30	10/02/13 13:28	SCS	calculation
<b>Nutrients - PIA</b>						
Ammonia-N	< 0.10 mg/L		09/30/13 14:40	09/30/13 15:53	lgbrs	EPA 350.1 - QC 10-107-06-1-1 & J
<b>Pesticides - PIA</b>						
Aroclors - Total	< 50 ug/L		10/03/13 08:32	10/09/13 22:57	JMT	EPA 608

3093818



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 (309) 692-9688 • (800) 752-8651 • FAX (309) 692-9689



Clinton Landfill  
 C/O PDC Technical Services 4349 Southport Rd  
 Peoria, IL 61615  
 Attn: Bill Bicher

Date Received: 09/27/13 12:45  
 Report Date: 10/14/13  
 Customer #: 280105

\*Laboratory Results\*

Sample No: 3093818-02

Collect Date: 09/27/13 09:15  
 Matrix: Storm Water Grab

Sample Description: OUTFALL 009 GRAB

Parameters	Result	Qual	Prep Date	Analysis Date	Analyst	Method
<b><u>Soluble Metals - PIA</u></b>						
Iron	< 0.010 mg/L		10/03/13 09:29	10/04/13 12:40	JMW	EPA 200.7 R4.4
<b><u>Total Metals - PIA</u></b>						
Arsenic	< 0.020 mg/L		10/02/13 11:30	10/02/13 13:28	JMW	EPA 200.7 R4.4
Barium	0.042 mg/L		10/02/13 11:30	10/02/13 13:27	JMW	EPA 200.7 R4.4
Boron	0.13 mg/L		10/02/13 11:30	10/02/13 13:27	JMW	EPA 200.7 R4.4
Cadmium	< 0.0020 mg/L		10/02/13 11:30	10/02/13 13:28	JMW	EPA 200.7 R4.4
Calcium	58 mg/L		10/02/13 11:30	10/02/13 13:26	JMW	EPA 200.7 R4.4
Chromium	< 0.0040 mg/L		10/02/13 11:30	10/02/13 13:28	JMW	EPA 200.7 R4.4
Copper	< 0.030 mg/L		10/02/13 11:30	10/02/13 13:27	JMW	EPA 200.7 R4.4
Hardness	240 mg/L		10/02/13 11:30	10/03/13 08:32	JMW	SM 2340B Ed
Iron	0.14 mg/L		10/02/13 11:30	10/02/13 13:27	JMW	EPA 200.7 R4.4
Lead	< 0.010 mg/L		10/02/13 11:30	10/02/13 13:28	JMW	EPA 200.7 R4.4
Magnesium	23 mg/L		10/02/13 11:30	10/03/13 08:32	JMW	EPA 200.7 R4.4
Manganese	0.013 mg/L		10/02/13 11:30	10/02/13 13:27	JMW	EPA 200.7 R4.4
Mercury	< 0.00020 mg/L		10/04/13 09:26	10/07/13 13:14	KJP	EPA 245.1 R3.0
Nickel	< 0.010 mg/L		10/02/13 11:30	10/02/13 13:28	JMW	EPA 200.7 R4.4
Zinc	< 0.010 mg/L		10/02/13 11:30	10/02/13 13:28	JMW	EPA 200.7 R4.4





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Clinton Landfill  
 C/O PDC Technical Services 4349 Southport Rd  
 Peoria, IL 61615  
 Attn: Bill Bicher

Date Received: 11/15/13 17:15  
 Report Date: 12/11/13  
 Customer #: 280105

**\*Laboratory Results\***

Sample No: 3112298-01

Collect Date: 11/15/13 13:58

Matrix: Storm Water Grab

Sample Description: OUTFALL 006 GRAB

Parameters	Result	Qual	Prep Date	Analysis Date	Analyst	Method
<b>Total Metals - PIA</b>						
Magnesium	24 mg/L		11/19/13 11:40	11/20/13 09:06	JMW	EPA 200.7 R4.4
Manganese	0.020 mg/L		11/19/13 11:40	11/20/13 09:08	JMW	EPA 200.7 R4.4
Nickel	< 0.010 mg/L		11/19/13 11:40	11/20/13 09:08	JMW	EPA 200.7 R4.4
Zinc	< 0.010 mg/L		11/19/13 11:40	11/20/13 09:08	JMW	EPA 200.7 R4.4

Sample No: 3112298-02

Collect Date: 11/15/13 13:40

Matrix: Storm Water Grab

Sample Description: OUTFALL 009 GRAB

Parameters	Result	Qual	Prep Date	Analysis Date	Analyst	Method
<b>Anions - PIA</b>						
Chloride	14 mg/L		11/23/13 05:29	11/23/13 05:29	TAS	EPA 300.0 R2.1
Fluoride	0.692 mg/L		11/23/13 05:10	11/23/13 05:10	TAS	EPA 300.0 R2.1
Sulfate	150 mg/L		11/23/13 05:49	11/23/13 05:49	TAS	EPA 300.0 R2.1
<b>General Chemistry - PIA</b>						
BOD	< 4.0 mg/L		11/16/13 12:09	11/16/13 12:09	SCR	SM 5210B 18Ed
Hexavalent chromium	< 0.0050 mg/L		11/16/13 11:37	11/16/13 11:37	BNS	SM 3500Cr-D 18Ed
Oil & Grease - total	< 6.0 mg/L		12/02/13 08:24	12/02/13 14:36	REM	EPA 1664A
Phenolics	< 0.0050 mg/L		11/19/13 09:58	11/20/13 11:03	Igsjf	EPA 420.4 - QC 10-210-00-1A
Solids - total dissolved solids (TDS)	390 mg/L		11/21/13 10:00	11/21/13 10:52	BRS	SM 2540C 18Ed
Solids - total suspended solids (TSS)	< 4.0 mg/L		11/21/13 09:26	11/21/13 10:16	SMP	SM 2540D 18Ed
Total Organic Carbon (TOC)	9.8 mg/L		11/19/13 23:18	11/19/13 23:18	Igtas	5310C
Trivalent Chromium	< 0.0090 mg/L		11/19/13 11:40	11/20/13 09:12	BNS	calculation
<b>Nutrients - PIA</b>						
Ammonia-N	< 0.10 mg/L		11/22/13 07:42	11/22/13 10:03	Igbrs	EPA 350.1 - QC 10-107-06-1-I & J
<b>Pesticides - PIA</b>						
Aroclors - Total	< 50 ug/L		11/18/13 09:22	11/23/13 06:11	ELS	EPA 608

3112298





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Clinton Landfill  
 C/O PDC Technical Services 4349 Southport Rd  
 Peoria, IL 61615  
 Attn: Bill Bicher

Date Received: 11/15/13 17:15  
 Report Date: 12/11/13  
 Customer #: 280105

\*Laboratory Results\*

Sample No: 3112298-02 Collect Date: 11/15/13 13:40  
 Matrix: Storm Water Grab  
 Sample Description: OUTFALL 009 GRAB

Parameters	Result	Qual	Prep Date	Analysis Date	Analyst	Method
<b>Soluble Metals - PIA</b>						
Iron	< 0.010 mg/L		11/18/13 12:34	11/19/13 10:45	JMW	EPA 200.7 R4.4
<b>Total Metals - PIA</b>						
Arsenic	< 0.020 mg/L		11/19/13 11:40	11/20/13 09:12	JMW	EPA 200.7 R4.4
Barium	0.045 mg/L		11/19/13 11:40	11/20/13 09:12	JMW	EPA 200.7 R4.4
Boron	0.098 mg/L		11/19/13 11:40	11/20/13 09:12	JMW	EPA 200.7 R4.4
Cadmium	< 0.0020 mg/L		11/19/13 11:40	11/20/13 09:12	JMW	EPA 200.7 R4.4
Calcium	58 mg/L		11/19/13 11:40	11/20/13 09:11	JMW	EPA 200.7 R4.4
Chromium	< 0.0040 mg/L		11/19/13 11:40	11/20/13 09:12	JMW	EPA 200.7 R4.4
Copper	< 0.030 mg/L		11/19/13 11:40	11/20/13 09:12	JMW	EPA 200.7 R4.4
Hardness	230 mg/L		11/19/13 11:40	11/20/13 09:11	JMW	SM 2340B Ed
Iron	0.12 mg/L		11/19/13 11:40	11/20/13 09:12	JMW	EPA 200.7 R4.4
Lead	< 0.010 mg/L		11/19/13 11:40	11/20/13 09:12	JMW	EPA 200.7 R4.4
Magnesium	21 mg/L		11/19/13 11:40	11/20/13 09:11	JMW	EPA 200.7 R4.4
Manganese	0.010 mg/L		11/19/13 11:40	11/20/13 09:12	JMW	EPA 200.7 R4.4
Nickel	< 0.010 mg/L		11/19/13 11:40	11/20/13 09:12	JMW	EPA 200.7 R4.4
Zinc	< 0.010 mg/L		11/19/13 11:40	11/20/13 09:12	JMW	EPA 200.7 R4.4






Sample No: 3112298-03 Collect Date: 11/15/13 00:00  
 Matrix: Storm Water Field Blank  
 Sample Description: FIELD BLANK

Parameters	Result	Qual	Prep Date	Analysis Date	Analyst	Method
<b>Miscellaneous - Microbac Laboratories, Inc.</b>						
Mercury - subcontracted	< 0.5					Subcontracted

PDC LABORATORIES, INC.  
 2231 WEST ALTORFER DRIVE PHONE # 309-692-9688  
 PEORIA, IL 61615 FAX # 309-692-9689 State where samples collected IL

CHAIN OF CUSTODY RECORD

ALL HIGHLIGHTED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

1 CLIENT <b>CLINTON LANDFILL</b>		PROJECT NUMBER _____	P.O. NUMBER _____	MEANS SHIPPED _____	3 ANALYSIS REQUESTED		4 (FOR LAB USE ONLY) LOGIN # <u>5112299-2</u> LAB PROL. # <u>YPT</u> TEMPLATE: PROL. MOR.:	
ADDRESS <b>9550 HERITAGE ROAD</b>		PHONE NUMBER 309-495-1581	FAX NUMBER _____	DATE SHIPPED _____	BOD, CL, FL, HARD, SO4, TDS, CM+6, D&P, PCBs		Ammonia	
CITY <b>CLINTON, IL 61727</b>	STATE <b>IL</b>	ZIP <b>61727</b>	SAMPLER (PLEASE PRINT) <b>KYLE MARTIN</b>	MATRIX TYPES: WW WASTEWATER DW WASTEWATER DW-SEWAGE WATER WWEL-SLUDGE WMS-SOLID LCH-LEACHATE OTHER STORMWATER	Phenols		TOC	
CONTACT PERSON <b>RON WELK</b>		SAMPLER'S SIGNATURE 	DATE COLLECTED <b>11-15-13</b>	TIME COLLECTED <b>1:58</b>	SAMPLE TYPE (SEE INSTRUCTIONS)	MATRIX TYPE	BOTTLE COUNT	G&O
2 SAMPLE DESCRIPTION AS YOU WANT ON REPORT <b>QUARTERLY STORMWATER - OUTFALL 006 (BASIN A)</b>		DATE COLLECTED <b>11-15-13</b>	TIME COLLECTED <b>1:40</b>	SAMPLE TYPE (SEE INSTRUCTIONS)	MATRIX TYPE <b>OTH</b>	BOTTLE COUNT <b>1</b>	Total Metals	Dissolved Iron
TEMP = <u>42.9</u> PH = <u>7.82</u>		QUARTERLY STORMWATER - OUTFALL 009 (BASIN B)		TEMP = <u>46.2</u> PH = <u>6.94</u>	OTH	1	used oil & bottles relabeled 0096	TOTAL METALS: AS, BA, CU, CR,
5 TURNAROUND TIME REQUESTED (PLEASE CIRCLE) (RUSH TRY TO SUBMIT TO PDC LABS APPROVAL AND SCHEDULING) <b>NORMAL</b>		RUSH	DATE RESULTS NEEDED	6 (The sample temperature will be measured upon receipt at the lab. By including this area you request that the lab notify you, before proceeding with analysis, if the sample temperature is outside of the range of 0-15°C, 32-59°F and including this area you allow the lab to proceed with analytical testing regardless of the sample temperature.		COMMENTS: (FOR LAB USE ONLY) <b>Reviewed 11-19 bottles and EB, not sure address S</b>		
7 RELINQUISHED BY: (SIGNATURE) 		DATE <b>11-15-13</b>	TIME <b>2:30</b>	RECEIVED BY: (SIGNATURE) 	DATE <b>11/15/13</b>	TIME <b>17:15</b>	CHILL PROCESS STARTED PRIOR TO RECEIPT SAMPLE(S) RECEIVED ON ICE PROPER BOTTLES RECEIVED IN GOOD CONDITION BOTTLES FILLED WITH ADEQUATE VOLUME SAMPLES RECEIVED WITHIN HOLD TIME(S) (EXCLUDES TYPICAL FIELD PARAMETERS) DATE AND TIME TAKEN FROM SAMPLE BOTTLE	
8 RELINQUISHED BY: (SIGNATURE) 		DATE <b>11-15-13</b>	TIME <b>5:15</b>	RECEIVED BY: (SIGNATURE) 	DATE <b>11/15/13</b>	TIME <b>17:15</b>	SAMPLE TEMPERATURE UPON RECEIPT	



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Clinton Landfill  
 C/O PDC Technical Services 4349 Southport Rd  
 Peoria, IL 61615  
 Attn: Bill Bicher

Date Received: 03/14/14 13:23  
 Report Date: 04/08/14  
 Customer #: 280105

**\*Laboratory Results\***

Sample No: 4031903-01

Collect Date: 03/11/14 07:30  
 Matrix: Storm Water Grab

Sample Description: OUTFALL 009 GRAB

Parameters	Result	Qual	Prep Date	Analysis Date	Analyst	Method
<b><u>Anions - PIA</u></b>						
Chloride	4.3 mg/L		03/17/14 19:05	03/17/14 19:05	TAS	EPA 300.0 R2.1
Fluoride	0.322 mg/L		03/17/14 19:05	03/17/14 19:05	TAS	EPA 300.0 R2.1
Sulfate	54 mg/L		03/18/14 14:12	03/18/14 14:12	TAS	EPA 300.0 R2.1
<b><u>General Chemistry - PIA</u></b>						
BOD	< 4.0 mg/L	H	03/14/14 14:45	03/14/14 14:45	SCR	SM 5210B 18Ed
Hexavalent chromium	< 0.0050 mg/L	H	03/14/14 14:30	03/14/14 14:30	SCR	SM 3500Cr-D 18Ed
Oil & Grease - total	< 5.7 mg/L		03/20/14 08:04	03/20/14 12:27	smf	EPA 1664A
Phenolics	< 0.0050 mg/L		03/18/14 13:10	03/18/14 16:10	lgsjf	EPA 420.4 - QC 10-210-00-1A
Solids - total dissolved solids (TDS)	160 mg/L		03/18/14 09:35	03/18/14 10:03	ACL	SM 2540C 18Ed
Solids - total suspended solids (TSS)	< 4.0 mg/L		03/17/14 07:59	03/17/14 09:34	ACL	SM 2540D 18Ed
Total Organic Carbon (TOC)	5.9 mg/L		03/25/14 14:42	03/25/14 14:42	TAS	5310C
Trivalent Chromium	< 0.0090 mg/L		03/18/14 11:49	03/18/14 18:19	SCR	calculation
<b><u>Nutrients - PIA</u></b>						
Ammonia-N	< 0.10 mg/L		03/18/14 09:23	03/18/14 13:36	lgbrs	EPA 350.1 - QC 10-107-06-1-I & J
<b><u>Pesticides - PIA</u></b>						
Aroclors - Total	< 50 ug/L		03/18/14 08:27	03/20/14 03:44	JMT	EPA 608
<b><u>Soluble Metals - PIA</u></b>						
Iron	< 0.010 mg/L		03/20/14 12:12	03/21/14 09:04	JMW	EPA 200.7 R4.4
<b><u>Total Metals - PIA</u></b>						
Arsenic	< 0.020 mg/L		03/18/14 11:49	03/18/14 18:19	JMW	EPA 200.7 R4.4
Barium	0.017 mg/L		03/18/14 11:49	03/18/14 18:19	JMW	EPA 200.7 R4.4
Boron	0.033 mg/L		03/18/14 11:49	03/19/14 08:56	JMW	EPA 200.7 R4.4
Cadmium	< 0.0020 mg/L		03/18/14 11:49	03/18/14 18:19	JMW	EPA 200.7 R4.4
Calcium	24 mg/L		03/18/14 11:49	03/18/14 18:17	JMW	EPA 200.7 R4.4
Chromium	< 0.0040 mg/L		03/18/14 11:49	03/18/14 18:19	JMW	EPA 200.7 R4.4
Copper	< 0.030 mg/L		03/18/14 11:49	03/18/14 18:18	JMW	EPA 200.7 R4.4
Hardness	85 mg/L		03/18/14 11:49	03/18/14 18:17	JMW	SM 2340B Ed
Iron	0.075 mg/L		03/18/14 11:49	03/18/14 18:18	JMW	EPA 200.7 R4.4
Lead	< 0.010 mg/L		03/18/14 11:49	03/18/14 18:19	JMW	EPA 200.7 R4.4

4031903



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Clinton Landfill  
 C/O PDC Technical Services 4349 Southport Rd  
 Peoria, IL 61615  
 Attr: Bill Bicher

Date Received: 03/14/14 13:23  
 Report Date: 04/08/14  
 Customer #: 280105

**\*Laboratory Results\***

Sample No: 4031903-01

Collect Date: 03/11/14 07:30  
 Matrix: Storm Water Grab

Sample Description: OUTFALL 009 GRAB

Parameters	Result	Qual	Prep Date	Analysis Date	Analyst	Method
<b>Total Metals - PIA</b>						
Magnesium	5.9 mg/L		03/18/14 11:49	03/18/14 18:17	JMW	EPA 200.7 R4.4
Manganese	0.014 mg/L		03/18/14 11:49	03/18/14 18:18	JMW	EPA 200.7 R4.4
Nickel	< 0.010 mg/L		03/18/14 11:49	03/18/14 18:19	JMW	EPA 200.7 R4.4
Zinc	< 0.010 mg/L		03/18/14 11:49	03/18/14 18:19	JMW	EPA 200.7 R4.4

PDC LABORATORIES, INC.  
 2231 WEST ALTORFER DRIVE  
 PEORIA, IL 61615  
 PHONE # 309-692-9688  
 FAX # 309-692-9689

CHAIN OF CUSTODY RECORD

ALL HIGHLIGHTED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

<b>1 CLIENT</b> CLINTON LANDFILL Address: 9550 HERITAGE ROAD CITY: CLINTON, IL 61727 STATE: IL ZIP: 61727 CONTACT PERSON: RON WELK		PROJECT NUMBER: 309-49-1661 PHONE NUMBER: 309-49-1661 FAX NUMBER:		P.O. NUMBER: MEANS SHIPPED:		<b>3 ANALYSIS REQUESTED</b> TOC GAC Total Metals Dissolved Iron		<b>4 (FOR LAB USE ONLY)</b> LOGIN # 403198-2 LAB PROJ. LFN1085 TEMP. INGR.	
<b>2 SAMPLE DESCRIPTION</b> AS YOU WANT ON REPORT QUARTERLY STORMWATER - OUTFALL 005 (BASIN A) TEMP = PH = QUARTERLY STORMWATER - OUTFALL 005 (BASIN B) TEMP = 39.5°F PH = 6.61		DATE COLLECTED: 5-1-14 TIME COLLECTED: 7:30 DATE SHIPPED: TIME SHIPPED:		SAMPLE TYPE: OTH MATRIX TYPES:		BOTTLE COUNT: X Ammonia: X Phenol: X TOC: X GAC: X Total Metals: X Dissolved Iron: X		REMARKS:	
TURNAROUND TIME REQUESTED (PLEASE CIRCLE): NORMAL RUSH RUSH RESULTS VIA (PLEASE CIRCLE): FAX PHONE FAX # IF DIFFERENT FROM ABOVE:		DATE RESULT'S NEEDED:		DATE SHIPPED:		BOTTLE COUNT:		REMARKS:	
<b>5</b> RECEIVED BY (SIGNATURE): DATE: 5/1/14 TIME: 8:30		RECEIVED BY (SIGNATURE): DATE: 5/1/14 TIME: 11:03		RECEIVED BY (SIGNATURE): DATE: 5/1/14 TIME: 12:27		COMMENTS: (FOR LAB USE ONLY)		SAMPLE TEMPERATURE UPON RECEIPT:	
<b>7</b> RECEIVED BY (SIGNATURE): DATE: 5/1/14 TIME: 8:30		RECEIVED BY (SIGNATURE): DATE: 5/1/14 TIME: 11:03		RECEIVED BY (SIGNATURE): DATE: 5/1/14 TIME: 12:27		COMMENTS: (FOR LAB USE ONLY)		SAMPLE TEMPERATURE UPON RECEIPT:	



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Clinton Landfill  
 C/O PDC Technical Services 4349 Southport Rd  
 Peoria, IL 61615  
 Attn: Bill Bicher

Date Received: 06/30/14 11:15  
 Report Date: 07/16/14  
 Customer #: 280105

**\*Laboratory Results\***

Sample No: 4064133-05

Collect Date: 06/30/14 07:30  
 Matrix: Storm Water Grab

Sample Description: OUTFALL 006 GRAB

Parameters	Result	Qual	Prep Date	Analysis Date	Analyst	Method
<b><u>Soluble Metals - PIA</u></b>						
Iron	< 0.010 mg/L		06/30/14 13:01	07/01/14 09:36	JMW	EPA 200.7 R4.4
<b><u>Total Metals - PIA</u></b>						
Arsenic	< 0.020 mg/L		07/02/14 10:20	07/02/14 12:08	JMW	EPA 200.7 R4.4
Barium	0.045 mg/L		07/02/14 10:20	07/02/14 12:08	JMW	EPA 200.7 R4.4
Boron	0.77 mg/L		07/02/14 10:20	07/02/14 12:07	JMW	EPA 200.7 R4.4
Cadmium	< 0.0020 mg/L		07/02/14 10:20	07/02/14 12:08	JMW	EPA 200.7 R4.4
Calcium	150 mg/L		07/02/14 10:20	07/02/14 12:06	JMW	EPA 200.7 R4.4
Chromium	< 0.0040 mg/L		07/02/14 10:20	07/02/14 12:08	JMW	EPA 200.7 R4.4
Copper	< 0.030 mg/L		07/02/14 10:20	07/02/14 12:07	JMW	EPA 200.7 R4.4
Hardness	450 mg/L		07/02/14 10:20	07/02/14 12:06	JMW	SM 2340B Ed
Iron	1.3 mg/L		07/02/14 10:20	07/02/14 12:07	JMW	EPA 200.7 R4.4
Lead	< 0.010 mg/L		07/02/14 10:20	07/02/14 12:08	JMW	EPA 200.7 R4.4
Magnesium	21 mg/L		07/02/14 10:20	07/02/14 12:06	JMW	EPA 200.7 R4.4
Manganese	0.073 mg/L		07/02/14 10:20	07/02/14 12:07	JMW	EPA 200.7 R4.4
Nickel	< 0.010 mg/L		07/02/14 10:20	07/02/14 12:08	JMW	EPA 200.7 R4.4
Zinc	< 0.010 mg/L		07/02/14 10:20	07/02/14 12:08	JMW	EPA 200.7 R4.4

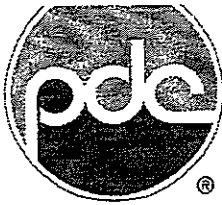
Sample No: 4064133-06

Collect Date: 06/30/14 06:30  
 Matrix: Storm Water Grab

Sample Description: OUTFALL 009 GRAB

Parameters	Result	Qual	Prep Date	Analysis Date	Analyst	Method
<b><u>Anions - PIA</u></b>						
Chloride	18 mg/L		07/01/14 15:37	07/01/14 15:37	TAS	EPA 300.0 R2.1
Fluoride	3.42 mg/L		07/01/14 15:20	07/01/14 15:20	TAS	EPA 300.0 R2.1
Sulfate	300 mg/L		07/02/14 19:45	07/02/14 19:45	TAS	EPA 300.0 R2.1
<b><u>General Chemistry - PIA</u></b>						
BOD	15 mg/L		06/30/14 12:51	06/30/14 12:51	SCR	SM 5210B 18Ed
Hexavalent chromium	< 0.0050 mg/L		06/30/14 13:43	06/30/14 13:43	SCR	SM 3500Cr-D 18Ed

4064133



**PDC Laboratories, Inc.**  
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Clinton Landfill  
 C/O PDC Technical Services 4349 Southport Rd  
 Peoria, IL 61615  
 Attn: Bill Bicher

Date Received: 06/30/14 11:15  
 Report Date: 07/16/14  
 Customer #: 280105

\*Laboratory Results\*

Sample No: 4064133-06

Collect Date: 06/30/14 06:30  
 Matrix: Storm Water Grab

Sample Description: OUTFALL 009 GRAB

Parameters	Result	Qual	Prep Date	Analysis Date	Analyst	Method
<b>General Chemistry - PIA</b>						
Oil & Grease - total	< 6.7 mg/L		07/08/14 07:49	07/08/14 11:34	SMP	EPA 1664A
Phenolics	< 0.0050 mg/L		07/02/14 15:18	07/03/14 09:33	Igsjf	EPA 420.4 - QC 10-210-00-1A
Solids - total dissolved solids (TDS)	940 mg/L		07/02/14 10:05	07/02/14 11:39	MHJ	SM 2540C 18Ed
Solids - total suspended solids (TSS)	< 4.0 mg/L		07/01/14 09:35	07/01/14 15:20	MHJ	SM 2540D 18Ed
Total Organic Carbon (TOC)	72 mg/L		07/10/14 14:29	07/10/14 14:29	TAS	5310C
Trivalent Chromium	< 0.0090 mg/L		07/02/14 10:20	07/02/14 12:12	SCR	calculation
<b>Nutrients - PIA</b>						
Ammonia-N	< 0.10 mg/L		07/01/14 08:08	07/01/14 11:05	Igbrs	EPA 350.1 - QC 10-107-06-1-I & J
<b>Pesticides - PIA</b>						
Aroclors - Total	< 50 ug/L		07/01/14 08:20	07/08/14 21:12	ELS	EPA 608
<b>Soluble Metals - PIA</b>						
Iron	< 0.010 mg/L		06/30/14 13:01	07/01/14 09:40	JMW	EPA 200.7 R4.4
<b>Total Metals - PIA</b>						
Arsenic	< 0.020 mg/L		07/02/14 10:20	07/02/14 12:12	JMW	EPA 200.7 R4.4
Barium	0.11 mg/L		07/02/14 10:20	07/02/14 12:12	JMW	EPA 200.7 R4.4
Boron	0.13 mg/L		07/02/14 10:20	07/02/14 12:12	JMW	EPA 200.7 R4.4
Cadmium	< 0.0020 mg/L		07/02/14 10:20	07/02/14 12:12	JMW	EPA 200.7 R4.4
Calcium	95 mg/L		07/02/14 10:20	07/02/14 12:10	JMW	EPA 200.7 R4.4
Chromium	< 0.0040 mg/L		07/02/14 10:20	07/02/14 12:12	JMW	EPA 200.7 R4.4
Copper	< 0.030 mg/L		07/02/14 10:20	07/02/14 12:12	JMW	EPA 200.7 R4.4
Hardness	350 mg/L		07/02/14 10:20	07/02/14 12:10	JMW	SM 2340B Ed
Iron	0.16 mg/L		07/02/14 10:20	07/02/14 12:12	JMW	EPA 200.7 R4.4
Lead	< 0.010 mg/L		07/02/14 10:20	07/02/14 12:12	JMW	EPA 200.7 R4.4
Magnesium	26 mg/L		07/02/14 10:20	07/02/14 12:10	JMW	EPA 200.7 R4.4
Manganese	0.064 mg/L		07/02/14 10:20	07/02/14 12:12	JMW	EPA 200.7 R4.4
Nickel	< 0.010 mg/L		07/02/14 10:20	07/02/14 12:12	JMW	EPA 200.7 R4.4
Zinc	< 0.010 mg/L		07/02/14 10:20	07/02/14 12:12	JMW	EPA 200.7 R4.4

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 PEORIA, IL 61615  
 PHONE # 309-692-9688  
 FAX # 309-692-9689

CHAIN OF CUSTODY RECORD

IL

ALL HIGHLIGHTED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

<b>1 CLIENT</b> CLINTON LANDFILL ADDRESS: 9550 HERITAGE ROAD CITY: CLINTON, IL 61727 STATE: IL ZIP:		PHONE NUMBER: 309-485-1651 FAX NUMBER:	PROJECT NUMBER: P.O. NUMBER: DATE SHIPPED:	<b>3 ANALYSIS REQUESTED</b> BOD, CL, FL, HAP, SO4, TDS, T, TSS, VFA, PCBs Ammonia Phenols TOC GAO Total Metals Dissolved Iron		<b>4 (FOR LAB USE ONLY)</b> LOGIN #: LAB PROJ. #: TEMPERATURE: PROJ. MSR.:
<b>2 SAMPLE DESCRIPTION</b> AS YOU WANT ON REPORT QUARTERLY STORMWATER - OUTFALL 006 (BASIN A) TEMP = 74.4 °F PH = 7.06 QUARTERLY STORMWATER - OUTFALL 008 (BASIN B) TEMP = 82.5 °F PH = 6.75		DATE COLLECTED: 6-30-14 TIME COLLECTED: 7:30 DATE COLLECTED: 6-30-14 TIME COLLECTED: 6:30	SAMPLE TYPE: OTH MATRIX TYPE: OTH OTHER: STORMWATER MATRIX TYPE: BOD, CL, FL, HAP, SO4, TDS, T, TSS, VFA, PCBs OTHER: AMMONIA, PHENOLS, TOC, GAO, TOTAL METALS, DISSOLVED IRON	COMMENTS: (FOR LAB USE ONLY) CHILL PROCESS STARTED PRIOR TO RECEIPT SAMPLE(S) RECEIVED ON ICE PROPER BOTTLES RECEIVED IN GOOD CONDITION BOTTLES FILLED WITH ADEQUATE VOLUME SAMPLES RECEIVED WITHIN HOLD TIMES(S) (EXCLUDES TYPICAL FIELD PARAMETERS) DATE AND TIME TAKEN FROM SAMPLE BOTTLE		REMARKS:
<b>5 (FOR LAB USE ONLY)</b> TURNAROUND TIME REQUESTED (PLEASE CIRCLE) (RUSH TURNAROUND IS SUBJECT TO PRE-LAB APPROVAL AND SCHEDULING) RUSH RESULTS VIA (PLEASE CIRCLE) FAX PHONE FAX SIP DEFERRED FROM ABOVE: PHONE # SIP DEFERRED FROM ABOVE:		RECEIVED BY: (SIGNATURE) DATE: 6-30-14 TIME: 11:15	RECEIVED BY: (SIGNATURE) DATE: 6-30-14 TIME: 11:15	COMMENTS: (FOR LAB USE ONLY) CHILL PROCESS STARTED PRIOR TO RECEIPT SAMPLE(S) RECEIVED ON ICE PROPER BOTTLES RECEIVED IN GOOD CONDITION BOTTLES FILLED WITH ADEQUATE VOLUME SAMPLES RECEIVED WITHIN HOLD TIMES(S) (EXCLUDES TYPICAL FIELD PARAMETERS) DATE AND TIME TAKEN FROM SAMPLE BOTTLE		REMARKS:





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Clinton Landfill  
 C/O PDC Technical Services 4349 Southport Rd  
 Peoria, IL 61615  
 Attn: Bill Bicher

Date Received: 07/11/14 16:50  
 Report Date: 07/28/14  
 Customer #: 280105

**\*Laboratory Results\***

Sample No: 4072009-01

Collect Date: 07/10/14 13:00  
 Matrix: Storm Water Grab

Sample Description: OUTFALL 009 GRAB

Parameters	Result	Qual	Prep Date	Analysis Date	Analyst	Method
<b><u>Anions - PIA</u></b>						
Chloride	16 mg/L		07/17/14 20:15	07/17/14 20:15	TAS	EPA 300.0 R2.1
Fluoride	5.22 mg/L		07/17/14 20:15	07/17/14 20:15	TAS	EPA 300.0 R2.1
Sulfate	300 mg/L		07/17/14 20:32	07/17/14 20:32	TAS	EPA 300.0 R2.1
<b><u>General Chemistry - PIA</u></b>						
BOD	7.2 mg/L		07/11/14 17:17	07/11/14 17:17	SCR	SM 5210B 18Ed
Hexavalent chromium	< 0.0050 mg/L	H	07/11/14 17:19	07/11/14 17:19	SCR	SM 3500Cr-D 18Ed
Oil & Grease - total	< 5.2 mg/L		07/15/14 08:29	07/15/14 14:57	SMP	EPA 1664A
Phenolics	< 0.0050 mg/L		07/14/14 14:54	07/15/14 10:11	lgsjf	EPA 420.4 - QC 10-210-00-1A
Solids - total dissolved solids (TDS)	1300 mg/L		07/14/14 12:41	07/14/14 13:40	MHJ	SM 2540C 18Ed
Solids - total suspended solids (TSS)	< 4.0 mg/L		07/17/14 13:01	07/17/14 15:01	MHJ	SM 2540D 18Ed
Total Organic Carbon (TOC)	99 mg/L		07/22/14 17:28	07/22/14 17:28	TAS	5310C
Trivalent Chromium	< 0.0090 mg/L		07/14/14 09:18	07/14/14 19:52	SCR	calculation
<b><u>Nutrients - PIA</u></b>						
Ammonia-N	< 0.10 mg/L		07/15/14 10:41	07/15/14 10:48	lgbrs	EPA 350.1 - QC 10-107-06-1-I & J
<b><u>Pesticides - PIA</u></b>						
Aroclors - Total	< 50 ug/L		07/14/14 10:49	07/23/14 01:56	JMT	EPA 608
<b><u>Soluble Metals - PIA</u></b>						
Iron	< 0.010 mg/L		07/15/14 14:11	07/16/14 09:43	JMW	200.7
<b><u>Total Metals - PIA</u></b>						
Arsenic	< 0.020 mg/L		07/14/14 09:18	07/14/14 19:52	JMW	200.7
Barium	0.11 mg/L		07/14/14 09:18	07/15/14 09:03	JMW	200.7
Boron	0.11 mg/L		07/14/14 09:18	07/14/14 19:52	JMW	200.7
Cadmium	< 0.0020 mg/L		07/14/14 09:18	07/14/14 19:52	JMW	200.7
Calcium	93 mg/L		07/14/14 09:18	07/14/14 19:50	JMW	200.7
Chromium	< 0.0040 mg/L		07/14/14 09:18	07/14/14 19:52	JMW	200.7
Copper	< 0.030 mg/L		07/14/14 09:18	07/14/14 19:52	JMW	200.7
Hardness	330 mg/L		07/14/14 09:18	07/14/14 19:50	JMW	SM 2340B Ed
Iron	0.14 mg/L		07/14/14 09:18	07/14/14 19:52	JMW	200.7
Lead	< 0.010 mg/L		07/14/14 09:18	07/14/14 19:52	JMW	200.7

4072009



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Date Received: 07/11/14 16:50  
 Report Date: 07/28/14  
 Customer #: 280105

**\*Laboratory Results\***

Sample No: 4072009-01

Collect Date: 07/10/14 13:00

Matrix: Storm Water Grab

Sample Description: OUTFALL 009 GRAB

Parameters	Result	Qual	Prep Date	Analysis Date	Analyst	Method
<b>Total Metals - PIA</b>						
Magnesium	25 mg/L		07/14/14 09:18	07/14/14 19:50	JMW	200.7
Manganese	0.053 mg/L		07/14/14 09:18	07/15/14 09:03	JMW	200.7
Nickel	< 0.010 mg/L		07/14/14 09:18	07/14/14 19:52	JMW	200.7
Zinc	< 0.010 mg/L		07/14/14 09:18	07/14/14 19:52	JMW	200.7

