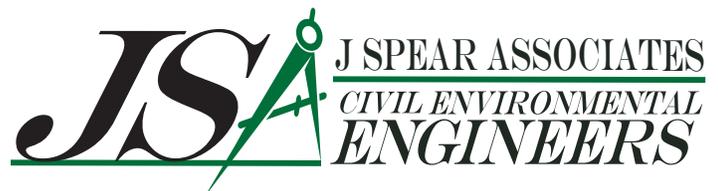


Year End
2011



Veolia Emerald Park Landfill
City of Muskego





2011 Veolia Emerald Park Landfill Year End Compliance Officer Report and Audit Summary

TO: Veolia Emerald Park Standing Committee
FROM: Jo-Walter Spear, Jr., P.E.
COPIES: File
DATE: 04/02/2012
PROJECT NUMBER: 1012.10030

JSA Civil Environmental Engineers (JSA) has been acting as the Veolia Emerald Park Landfill Standing Committee's (Committee) Compliance Officer since 1999. JSA conducts weekly audits of the Veolia Emerald Park Landfill's (VEPL) operations and construction activities. The results of these audits are recorded and presented to the Committee, in addition to being posted on the World Wide Web (WWW) for the public at <http://www.jsacivil.com/pages/audit/muskego/Musk2011.html>.

JSA maintains the online record of the audits for the current year including the Year End Summaries for the previous year. Currently, damage to the web-page design structure has limited posting to July 20th of 2011.

Throughout 2011, as in previous years, JSA has reported to the Committee; providing the following services

- Attendance to all Committee Meetings
- Auditing of the Operations and Construction of the VEPL Site
- Review and recording of all documents publicly released by VEPL, DNR, Host Communities, or public entities relating to the VEPL Site.
- Archiving of VEPL, DNR, and Host Communities' documents.

Specific to 2011, JSA has reported to the Committee and provided the following services

- Review of Expansion Feasibility Documents

- Review of Closure Area III Construction Documents
- Review of Expansion Construction Documents
- Review of Plan of Operations

JSA performed 54 audits of VEPL during 2011. Audits are conducted on a weekly basis; in 2010 it became necessary due to staffing issues at VEPL to schedule audits this practice was ended at the beginning of February 2011. Dean Diggett, Site Environmental Technician, was at the site daily with Brett Coogan, Site Engineer, available at times.

No audits were performed without the presence of VEPL staff. The site operated with Matt Kingsley as the General Manager of VEPL and was the Veolia Regional Manager as well. Matt was present for the first two Audits conducted in January. In July Veolia hired Robert Bennett (Bob), a SWANA certified landfill operator with over 20 years of experience in the waste industry and a capable equipment operator as well. At the time of Bob's hiring JSA was informed that Matt Kingsley was on an extended personal leave from Veolia.

Audits were performed during operational hours of the facility including three “opening” audits and four “closing” audits, conducted at the opening and closing hours of the landfill respectively, no audits were conducted on the weekends.

Audits are recorded on “Audit Forms”, approved by the Committee and VEPL. The form is reviewed by both auditor and a VEPL representative at the end of each audit prior to signing by both parties. Audit observations are supported by photographs taken in conjunction with the audit. When a compliance issue is observed, it is recorded as an “Action Item” and included on a tallying list of action items for the year. In addition to the audit form, audit photographs, and action item list; a summary of the audit observations is created and included in the final deliverable document. In an effort to save paper and the Manager's time, JSA supplies an electronic copy to the VEPL representative and Manager after returning to the office. In 2011, two audits were conducted without photographs being taken; September 16th and November 11th.

Weather Conditions

The weather conditions during the audit were recorded visually and from the weather stations near the area of the landfill. All of the weather readings were done with stations monitored by

the National Oceanic and Atmospheric Administration (NOAA). VEPL has installed and is operating a weather station at the site, data was not used from it for Audits.

Poor weather conditions have an impact on all landfills, VEPL is not exception; daily cover is a mix of auto-fluff, foundry sands, site soils, and Robert Bennett also implemented tarps.

Extended poor weather conditions can have an affect on daily and intermediate cover. Dry weather conversely, can have an impact on gas collection and destruction.

Equipment used in Landfill Operation

VEPL had two compactors and one bulldozer in operation on the working face of the landfill for the majority of audits, during times of low waste volumes only one compactor was employed on the working face. The site operated throughout 2011 with appropriate equipment, a compactor was used for compaction and a bulldozer to place daily cover. VEPL also made use of excavators and haul trucks (articulated dump truck) to excavate future expansion space and stock piles to provide intermediate cover to the active area¹. In 2010, VEPL added a grader to its fleet; to maintain the soil based roads and active area access roads; this has made a noticeable improvement in unpaved roads about the site and the roads to the working face. One water truck were available and used during dry dusty conditions. Another water truck is dedicated to leachate hauling.

The VEPL facility does not possess a street sweeper, however they have maintained a contract with a sweeping company to sweep US 45, and site roads as VEPL requires. The sweeping events do not occur every week, however there were no Action Items pertaining to road conditions; though six occurrences of tracking or road debris were recorded

Working Face

VEPL maintains a working face that is approximately one half ($\frac{1}{2}$) acre in size or smaller, waste volumes through out Wisconsin are at an all time low, lower volume equates to smaller working faces. Weather conditions impact the working face size as well; during inclement weather the working face would be smaller.

The site operates two working faces, one specifically for soils² and the other for all other wastes³. The soils working face has been located on top of Phases 2 & 3 for more than a year. The bio

1 The active area throughout 2011 refers to Phase 5 and Phase 6

2 Separated into bio and landfill direct

3 Municipal Solid Waste, Construction and Demolitions Wastes, and Liquid Wastes

soil pile is in active remediation for future use on the site. The Municipal Solid Waste (MSW) working face has been on top of Phase 6, with overlay onto Phases 3, 4, & 5. Asbestos and liquid loads are tipped in designated pits until filled and a new pit is established. Previous bio soils on Phase 5 were deemed complete and used for cover and other site soil constructions.

In November and December of 2011 the working face became greatly reduced in size due to the tapering affect of reaching the final waste elevation. By the end of December the working face was one truck width wide.

Robert Bennett improved active area and working face conditions. Daily cover placement appeared more complete and claims of higher placed density were made.

Cover Material

The daily cover used by VEPL consists of auto-fluff, foundry sands, and on-site soils. During the Summer of 2011 daily cover conditions began to decline, but were greatly improved in July and remained that way through out the rest of the year. This same observation was made in 2010's year end report. VEPL did not have any daily cover shortages in 2011.

Leachate Management

VEPL has the ability to recirculate leachate through a pipe system, buried in the waste, along with disposing of excess volumes through a MMSD force main. Relative leachate volumes and repairs to the leachate system were recorded through out 2010 along with the placement of new recirculation lines. The recirculation of leachate during 2011 was minimal.

Two seeps did occur in 2011. The first was August 25th on the North slope of Phase 4, it was of a minimal volume and repaired prior to auditing. The second on September 19th was a seep from Phase 6 at the future junction with Phase 7. The leachate was contained in the temporary sedimentation basins and discharged via the force main system to MMSD.

There were no action items or concerns raised by VEPL's leachate management in 2011.

Gas Monitoring & Management System

VEPL operates a flare to destruct landfill gas (LFG) collected at the site. A pipeline is under construction to direct the gas to MMSD in the near future. The site performed improvements and repairs on the system throughout the year and maintained the blower and flare as well. Gas

wells are extended throughout the year at the site as the waste elevations rise. In 2011 new gas wells were added on the West slope of Phase 6 in April.

There were no action items for Gas Monitoring & Management

Surface Water Management

VEPL maintains three drainage basins and one temporary basin⁴ along with several thousand feet of conveyances. The conveyances were maintained, re-trenched during the construction of Closure Area III, however the stone check dams were not completely restored. The construction schedule prevented the placement of both down-slope flumes in Closure Area III and the seeding of the topsoil; this will allow additional erosion in the spring thaw and rains.

JSA records erosion conditions under stormwater management. The slopes; wrapping from North to East to South; of Phases 4 and 5 were brought to final grade, capped, and covered at the end of 2011. Throughout 2010 and 2011 the West slope of Phase 6 was covered with intermediate cover (1' or more of soil). This cover was back dragged in 2011 and volunteer seeding occurred; providing erosion protection for most of the slope throughout 2011.

VEPL committed to cleaning of basins at the completion of Phase 7 and Closure Area III; no basins were cleaned. The commitment has been extended into construction activities of 2012.

There were no action items for Surface Water Management

Odor Control

Auditors record the presence of off site and on site odors; in 2010 there were two⁵ occurrences of off site odors and eleven⁶ on site odors. Improvements to the West slope of Phase 6 gas collection reduced, but did not eliminate gas odors in that area.

VEPL did not implement any odor control activities or substances in 2011 other than placement of cover. VEPL does possess products for odor neutralizing

There were no action items for Odor Control.

Special Waste Handling

4 Excavation alongside Phase 6

5 In 2010 there were eleven off site odor detections

6 In 2010 there were twenty eight on site odor detections

Waste profiles, sampling, and protocols are done off site from the VEPL Facility. This item remains on the audit should a new waste be accepted. VEPL receives liquid wastes; date and volume of loads were recorded on the Audit Forms.

There were no action items for Special Waste Handling

Litter Control

VEPL implements two types of litter fences about the active area. Stationary fences are installed at the top of slopes and at the base of slopes and where possible prior to the boundary or perimeter fences. Mobil fences are moved by bulldozer to intercept litter blown by the wind. VEPL also hires litter pickers to gather litter both on and off site.

New and heavier gauged mobile fences were purchase in August of 2011. The site had mobile fencing completely surrounding the working face during September thru December of 2011. Off site litter is recorded, if present, during an audit. If the litter is present in the subsequent audit an Action Item is issued.

No Action Items were recorded in regard to litter

Vehicle Impacts

VEPL has an "as requested" contract with SweepAll to clean US 45 and site access roads. VEPL had US 45 swept at least once per week. During construction activities from September thru December sweeping was the responsibility of the construction contractor, Oaks.

There were no action items relating to Vehicle Impacts

Inspection of incoming waste

VEPL uses a camera, viewable by the scale operator in addition to recording, to monitor both truck activities and contents. Each equipment operator on the working face is able to observe the waste components when tipped from the haul vehicles. VEPL does not make use of spotters nor does it have working faces that are not monitored by VEPL staff.

All Wisconsin permitted landfills are required to perform an random load inspection for every 5,000 tons of waste received; the Host Agreement requires a minimum of two Random Load Inspections per week. The random loads inspections were routinely performed once per week throughout 2011.

No Action Items were recorded regarding Inspection of incoming waste.

Rejected Loads

No rejected loads were recorded in 2011

Contractors Audit

In 2011 VEPL engaged the services of Oaks, Miller Excavating, Terra, and SweepAll to aid in the construction and maintenance at the site. The activities of all contractors were recorded during audits.

In addition to standard landfill activities, VEPL engaged the services of Oaks to perform the construction of Closure Area III and the Landfill Expansion of Phase 7.

Landfill Expansion Phase 7

Throughout 2011 the future location of Phase 7 was being excavated to base grades. It was not until October of 2011 that the placement of the engineered liner for Phase 7 began, which entails the placement of a clay layer, sand layer (leak detection), and another clay layer before the placement of geosynthetic liner.

The construction time line did not allow for the completion of the West slope of the Cell, the liner and subsequent systems would terminate at the Western most edge of the Northern edge of the cell. The construction would be completed when weather permits in 2012.

The liner deployment occurred on November 20th, a Sunday, with no notification to JSA or the City of Muskego as requested. The site was Audited on the 21st and the exposed clay liner ~1/4 of the cell was suspect along with the practices of the labor preparing the clay⁷. The liner was then covered with a protective geotextile and granular drainage layer. On December 12th the drainage layer and supportive geotextile slide down the North slope of the Cell at the Western most end. Not enough anchoring was the determined cause and the granular drainage layer was limited to placement over the West sump only, to be completed with the West slope.

On December 28th the drainage layer placement was complete and that the the State had been contacted for approval for waste placement.

Closure Area III

⁷ The Final Construction report provides clay data that is acceptable for liner deployment.

Closure Area III is the final cap and cover of Phase 4 and 5 slopes. VEPL has placed intermediate cover on the slopes throughout operations. Oaks placed the final cover system starting in July with soils from the Excavation of Phase 7. Closure Area III construction was halted after the completion of diversion basins and the placing of topsoil. Weather conditions and construction time line did not allow for the completion of the construction which entails completed topsoil placement, down-slope flume placement, and seeding.

Action Items

There were no Action Items during 2011. There were comments regarding road conditions and on site odors, but the day to day operation is the best of record. Conditions improved with a General Manager on site for the last half of 2011.

However, it must be stressed that the construction schedule was under large time constraints which may have had an impact on the placement of the liner in Phase 7 and the incomplete construction of Closure Area III, which both may lead to Action Items in future operations. VEPL also did not meet commitments it made to the Committee regarding basin cleaning and repairs to the Shooting Range Berm, which are now scheduled for 2012.

In addition Veolia has not completed a Chapter 35 Stormwater Permit application or the required Stormwater Maintenance

E-Waste Contractor

JSA uses digital imagery to capture the conditions at the site. On occasion this does not occur, twice this year, but the audit still provides locational detail and a map. In 2011, JSA began to record the activities of the City of Muskego's E-waste contractor by photographing the E-waste drop off container at the VEPL residential drop off. The contents of the container are photographed no less than once per month, often the box was empty, but it was never the over filled.

Audits in 2012

JSA will continue to conduct audits in 2012



January



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego

FROM: Anna Krajcik

COPIES: File

DATE: 01/10/11

PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of January 3, 2011. The audit was performed at 11:40 am on **January 7, 2011** by Jo Spear Jr. in the presence of Matt Kingsley.

The following conditions were noted during this Audit of the VEPL Facility:

- Working face on northeast corner of active area; asbestos pit at south end
 - Demo waste to be used for access road along west slope
 - Bio soils, autofluff and site soils for cover
- Leachate being discharged to MMSD
- Flare in operation during audit, one shutdown
 - Flare shut down on 1/3 for only about 1 hour; vegetation covered by snow
- One storm event since last audit <1”
 - Site snow covered and frozen
- Burning odor in surrounding area from welding work
- No litter; 2 pickers active
- US45 and 8 Mile Road and site roads clean
- Tipping scale camera and equipment operators inspecting waste
 - Random Load inspection done previous week
 - Heavy volumes last week, low this week
- Completed bio pile in use for site soils projects
- New construction of access road on Phase 6, west slope. Access road on Phase 3, south slope under construction
- Phase 6E south slope has new diversion basin
- Construction Audit
 - Miller excavating doing construction of access road
 - Placing gas header as road completed
 - Welding pipe
 - Using site soils only

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA EMERALD PARK LANDFILL
LANDFILL OPERATIONS AUDIT FORM
CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE January 7, 2011
Auditor on site at: Open Close

TIME 11:00

WEATHER Clear Brisk

WIND NW 10-20

TEMP Maximum 17 °F Minimum 7 °F

B.P. 29.43

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
1	Dozer						
1	Excavator						
1	Haul Truck						
	Water Truck						
	Sweeper						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance
1	New Holland	1					

A. Working Face Size and Location:

Working face on Northeast corner of
Active Area. Asbestos pit at Southeast
Demo waste to be used for access road
Along West Slope



Cover Material:

Bio Soil, ~~Auto Huff~~ Site Soils

B. Leachate Management:

Discharge to MMSD

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	
Turbines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	N/A
Engines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	N/A
Shutdowns Since Last Audit:	# 1/3			
Vegetation Condition:	Good <input checked="" type="checkbox"/>	Fair <input type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Vegetation covered by snow
Shutdown for only 1 hour

D. Surface Water Management:

Storm Events Since Last	1	Est. Volume	< 1"
-------------------------	---	-------------	------

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Snow event, site frozen, roads clear of ice & snow

E. Odor Control:

Odors Present:

Onsite <input type="checkbox"/>	Offsite <input checked="" type="checkbox"/>
---------------------------------	---------------------------------------------

Comments:

Furning odor in surrounding area

F. Special Waste Handling: storage of fingerprint samples and testing procedures

None



G. Litter Control:

Litter Present Onsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Litter Present Offsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Pickers Active:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	# 2

Comments:

No litter but plenty of wind

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

US 45 & 8 Mile Clean, Site Roads Clean

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Equipment Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	3
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:				

Comments:

Heavy Volumes last week, low Volumes Today

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		
3.		
4.		

Comments:



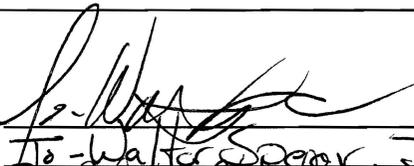
L. Other Comments:

* Completed Bio pile in use for site Soil Projects

* New Construction of Access road on Phase 6 West Slope, Access road on Phase 3 South Slope under construction too

* Phase 6 ~~W~~ South Slope has new diversion Basin.

Auditor's Signature:

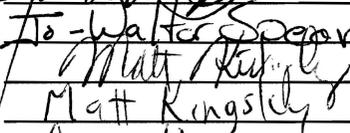


Date: 1/07/11

Auditor's Printed Name:

Jo-Walter Spear, Jr

Management Signature:



Date: 1/7/11

Management Printed Name:

Matt Kingsley

Management Title:

Area Manager

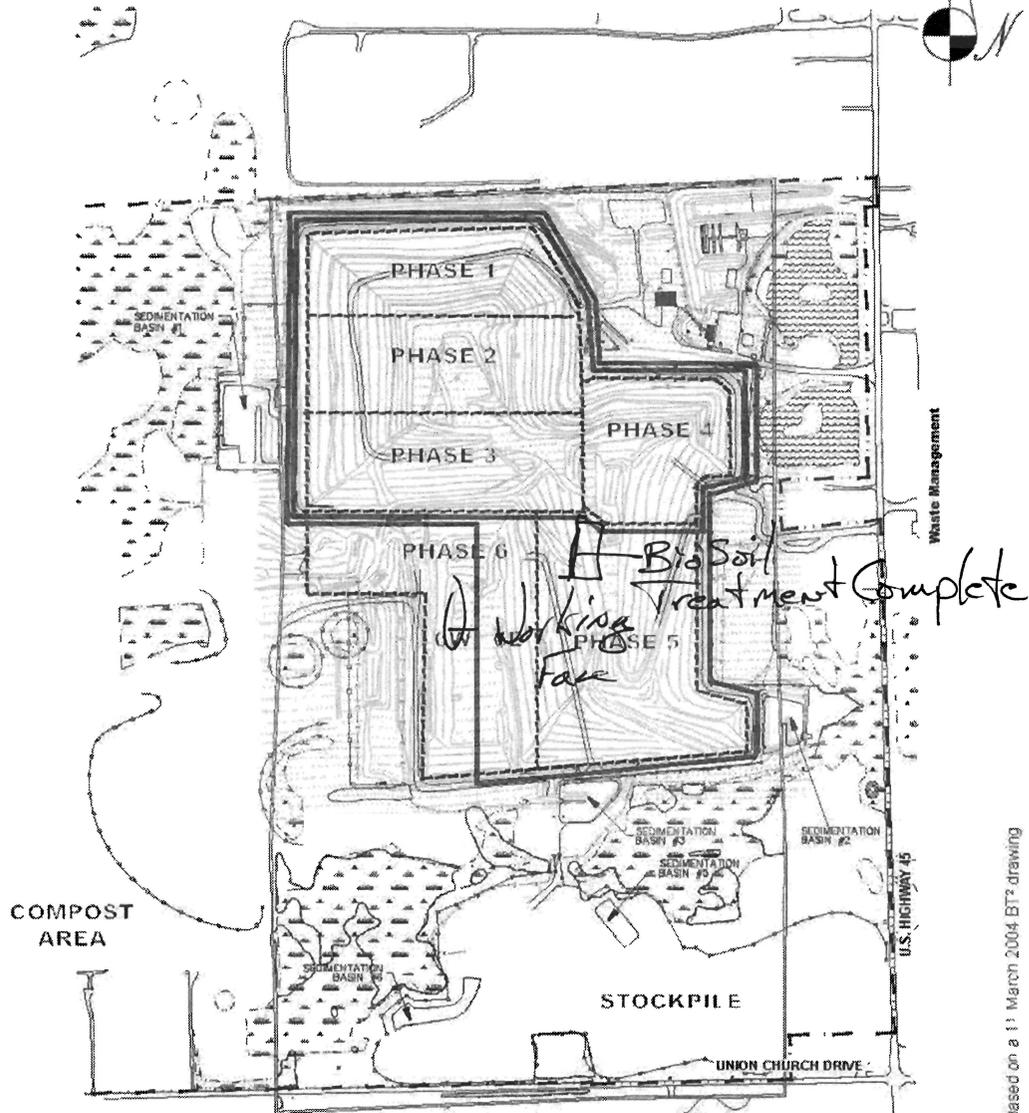
JSA Principal Signature:

Date: _____



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020.10030



based on a 11 March 2004 BTR drawing

J Spear Associates

Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

LANDFILL AUDIT MAP



VEOLIA EMERALD PARK LANDFILL
 LANDFILL CONTRACTORS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE 1/7/2011

TIME 11:00

MAJOR EQUIPMENT USED IN CONSTRUCTION OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
	Compactor						
1	Dozer						
1	Excavator						
2	Haul Truck						
	Water Truck						
	Sweeper						

A. Work Accomplished Today (Scheduled & Completed):

* Miller Excavating → Construction of Access Roads

* Placing gas header as road completed

* Welding pipe



B. Excavations / Soil Management:

Site Soils only

C. Off Site Hauling

	Weight Ticket Number	Weight of Load in Pounds
1		
2		
3	WA	
4		
5		
6		
7		
8		
9		
10		

Auditor's Signature: [Signature]
 Auditor's Printed Name: J. Walter Spear, Sr.
 Management Signature: [Signature]
 Management Printed Name: Matt Kingsted
 Management Title: Area Manager

Date: 1/07/2011
 Date: 1/7/2011



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes



**VEOLIA EMERALD PARK LANDFILL
AUDIT PHOTOS
CITY OF MUSKEGO**

PROJECT NO. 1012.10030



Active Area



Working face viewed from the South

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Access road construction on West slope of Phase 6



Temp sed basin and future foot print



Gas line placement in West Slope



Access road construction



New access road for future waste placement in Phase 6W



Reach of new access road.



New access road for future waste placement in Phase 6W



Reach of new access road.



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

To: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 01/17/11
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of January 10, 2011. The audit was performed at 1:20 pm on **January 14, 2011** by Jo Spear Jr. in the presence of Matt Kingsley.

The following conditions were noted during this Audit of the VEPL Facility:

- MSW tipped at North end of Phase 6; liquid loads at south end of Phase 5/6
 - Soils being tipped
- Site soils and autofluff for daily cover; cover in excellent condition
- Flare in operation during audit, no shut downs
 - Vegetation covered by snow
- Three storm event since last audit 2"
 - Snow events only, site waters frozen, basins have plenty of capacity
- Strong animal waste odor off site
- 3 liquid loads
- No litter; 2 pickers active
- US45 grimy with a box on shoulder, 8 Mile Road clean
- Tipping scale camera and equipment operators inspecting waste
 - Random Load inspection on 1/13/11
 - No change in low volumes received
- Stock pile soils being used for outboard slope cover
- Animal waste smell dispersing by end of audit

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA EMERALD PARK LANDFILL
LANDFILL OPERATIONS AUDIT FORM
CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE January 14, 2011
Auditor on site at Open Close

TIME 1:20

WEATHER Overcast, snow imminent

WIND S, SW 5-15

TEMP Maximum 24 °F Minimum 18 °F

B.P. 30.26

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	<u>Compactor</u>						
<u>3</u>	<u>Dozer</u>						
<u>1</u>	<u>Excavator</u>						
<u>1</u>	<u>Haul Truck</u>						
	<u>Water Truck</u>						
	<u>Sweeper</u>						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance
<u>1</u>	<u>Compactor</u>						

A. Working Face Size and Location:

Liquid loads at South end of Phase 5/6
Soils being tipped
MSW Tipped at North end of
Phase 6.



Cover Material:

Site Soils and antistuff

Cover in excellent condition

B. Leachate Management:

Discharge to MMSD

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Turbines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Engines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Shutdowns Since Last Audit:	#			
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Vegetation covered with snow

D. Surface Water Management:

Storm Events Since Last	# 3	Est. Volume	2"
-------------------------	-----	-------------	----

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Snow events only, site waters frozen basins have plenty of capacity

E. Odor Control:

Odors Present: Onsite Offsite

Comments: Strong Animal Waste odor of site

F. Special Waste Handling: storage of fingerprint samples and testing procedures

3 liquid loads 1/11/2011



G. Litter Control:

Litter Present Onsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Litter Present Offsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Pickers Active:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	# 2

Comments:

No site litter

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

*US45 Grimy, ^{A boxy} ~~clean~~ on shoulder
 8 Mile Road clean*

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	
Equipment Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	<i>1/13/2011</i>			

Comments:

No improvement to findings

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		
2.		
3.		
4.		<i>None</i>

Comments:



L. Other Comments:

* Stock pile soils being used for out board
slope cover
* Animal waste smell dispersed by end of Audit

Auditor's Signature: _____

Auditor's Printed Name: _____

Management Signature: _____

Management Printed Name: _____

Management Title: _____

JSA Principal Signature: _____

Date: 1/14/2011

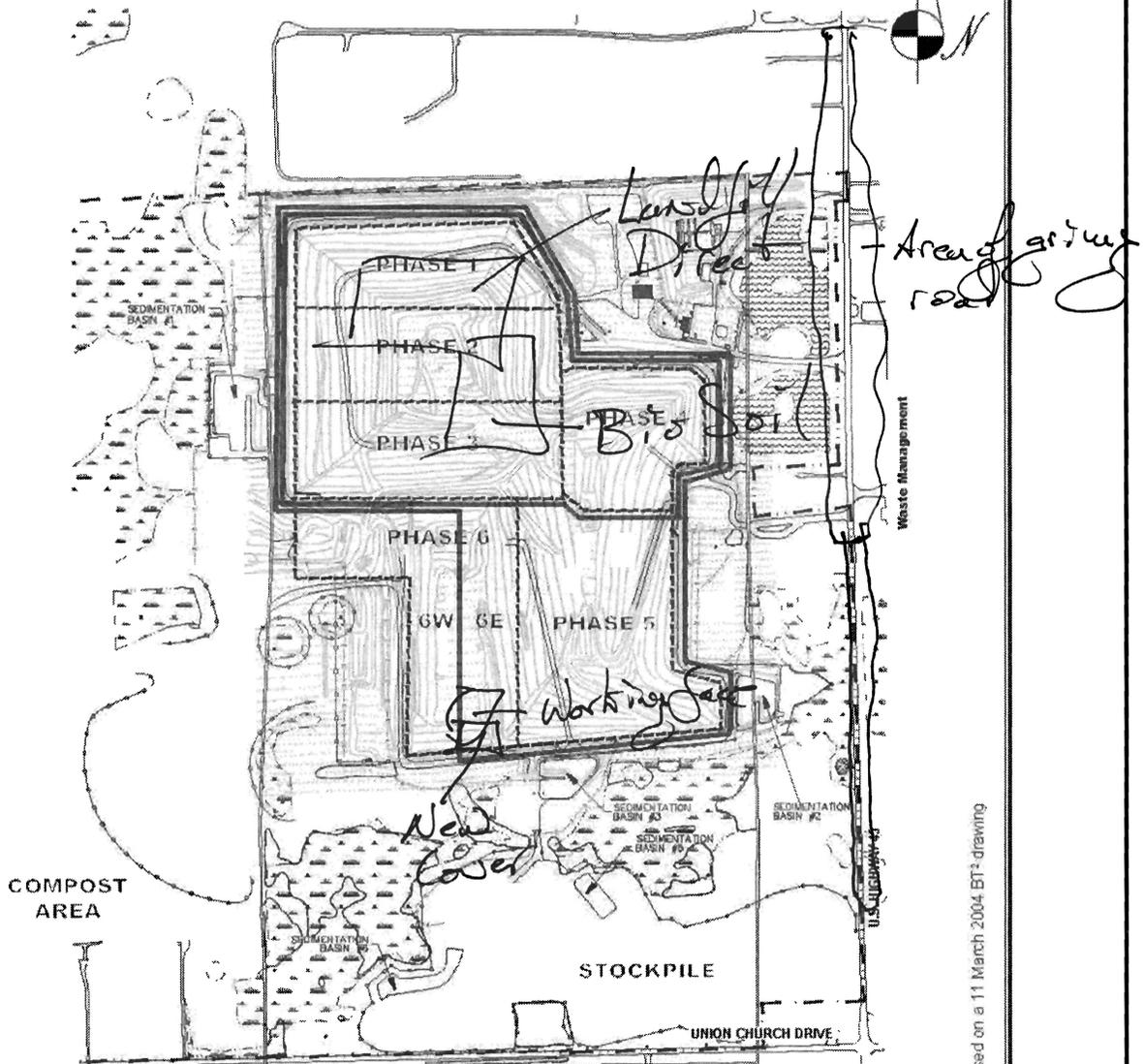
Date: 1/14/2011

Date: _____



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020.10030



COMPOST AREA

STOCKPILE

UNION CHURCH DRIVE

Waste Management

U.S. HIGHWAY 42

January 2002
December 2006

Based on a 11 March 2004 BT² drawing

J Spear Associates

Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

LANDFILL AUDIT MAP



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes



**VEOLIA EMERALD PARK LANDFILL
AUDIT PHOTOS
CITY OF MUSKEGO**

PROJECT NO. 1012.10030



Bio Soil Pile



Landfill Direct Soil Pile

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Temp sed basi nand new road construction



Working face



Active Area viewed from the North



Working face along West top of slope, South end of Phase 6



Haul truck moving soils for cover and road construction



Soils being excavated from stock pile



Previously placed intermediate cover



Reach of new access road.



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

To: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 01/24/11
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of January 17, 2011. The audit was performed at 1:55 pm on **January 20, 2011** by Jo Spear Jr. in the presence of Brett Coogan.

The following conditions were noted during this Audit of the VEPL Facility:

- Working face in middle of west edge of Phase 6W; no soils loads today
- Large abundance of autofluff
 - Some rough cover over previous day's working face
- Leachate being discharged to MMSD
- Flare in operation during audit, no shut downs
 - Vegetation covered by snow
- One storm event since last audit >2"
 - Heavy snow storm on 1/17/2011m no evidence of flowing water or melt
- Strong animal waste odor off site
- No litter; no pickers active
- US45 and 8 Mile Road clean, some dust
- Tipping scale camera and equipment operators inspecting waste
 - Random Load inspection on 1/20/11
 - Volume received ~1300 TPD
- Dean Driggette new VEPL Employee as Environmental Manager managing the gas fields.

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA EMERALD PARK LANDFILL
 LANDFILL OPERATIONS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE January 20, 2011
 Auditor on site at: Open Close

TIME 1:55

WEATHER Clear Sunny

WIND W 10-20

TEMP Maximum 19 °F Minimum -4 °F

B.P. 30.02

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
1	Dozer						
1	Excavator						
	Haul Truck						
	Water Truck						
	Sweeper						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

No Soil loads today
Working face in middle of West edge of
Phase 6W.
Some Rough Cover over previous day's
Working face



Cover Material:

Large abundance of Autofluff

B. Leachate Management:

Discharge to MMSD

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	
Turbines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Engines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Shutdowns Since Last Audit:		#	0	
Vegetation Condition:	Good <input checked="" type="checkbox"/>	NA <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Snow covering vegetation

D. Surface Water Management:

Storm Events Since Last	# 1	Est. Volume	>2"
-------------------------	-----	-------------	-----

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Heavy snow storm on 1/17/2011, no evidence of flowing water or melt.

E. Odor Control:

Odors Present:

Onsite <input type="checkbox"/>	Offsite <input type="checkbox"/>
---------------------------------	----------------------------------

Comments:

No offsite odors No onsite odors

F. Special Waste Handling: storage of fingerprint samples and testing procedures

None



G. Litter Control:

Litter Present Onsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Litter Present Offsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Pickers Active:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	# \emptyset

Comments:

Litter conditions good

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

US43 & B Mile (clean, some dust)

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	
Equipment Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	<i>1/20/2011</i>			

Comments:

2,300 TPA

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		
2.		
3.		
4.		<i>None</i>

Comments:



L. Other Comments:

*Dean Driggelle new VEPs Employee
as Environmental Manager, managing gas fields

Auditor's Signature:

[Handwritten Signature]

Date: 1/20/2011

Auditor's Printed Name:

Jo-Walter Spear Jr

Management Signature:

[Handwritten Signature]

Date: 1/20/2011

Management Printed Name:

BRETT COOCHAN

Management Title:

REGION ENGINEER

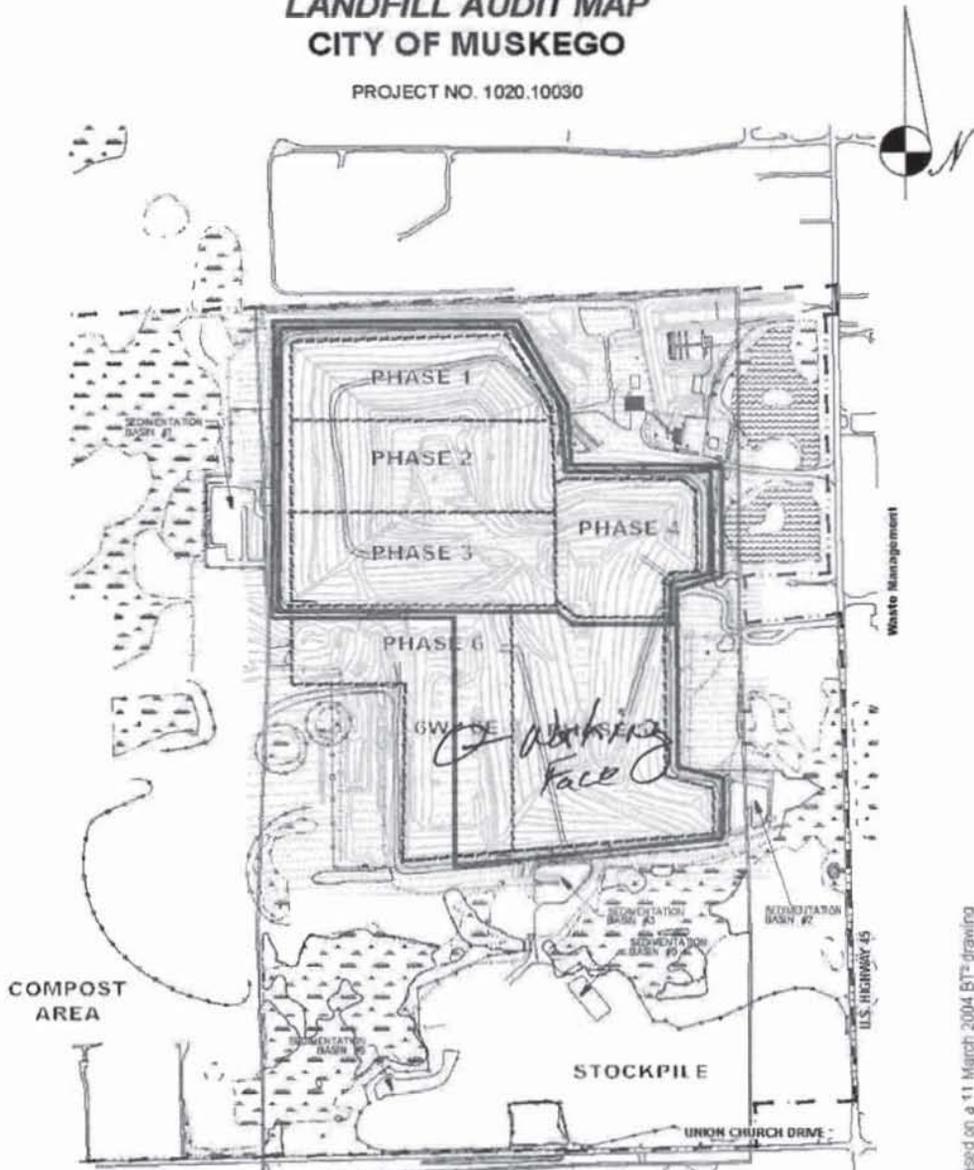
JSA Principal Signature:

Date: _____



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020.10030



closed on a 11 March 2004 BYT drawing

J Spear Associates

Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

LANDFILL AUDIT MAP



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes



**VEOLIA EMERALD PARK LANDFILL
AUDIT PHOTOS
CITY OF MUSKEGO**

PROJECT NO. 1012.10030



South end of active area



North end of active area

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Working face



Previous working faces, with some rough cover



West of active area



Intermediate cover of soil placed on West slope



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 01/31/11
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of January 24, 2011. The audit was performed at 1:20 pm on **January 26, 2011** by Jo Spear Jr. in the presence of Brett Coogan.

The following conditions were noted during this Audit of the VEPL Facility:

- MSW only today in Phase 6, no soils being tipped; NSW from road construction on West slope being tipped in working face
 - Autofluff applied over active area
 - Autofluff and site soils used for cover
- Leachate being discharged to MMSD
- Flare in operation during audit, one shut down to drain condensate volume to storage tank. ~1900 sCFM
 - Vegetation covered by snow
- No storm event since last audit
- No offsite odors, onsite odors of open waste in road construction
- Site conditions good to control litter, 2 pickers active
- US45 and 8 Mile Road clean, some dust
- Tipping scale camera and equipment operators inspecting waste
 - Random Load inspection on 1/20/11
 - Volume received ~1200 TPD
- Miller Excavating building access road along west slope
- Stockpiled C & D being used in road construction
- Site receiving liquid loads this week

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA EMERALD PARK LANDFILL
LANDFILL OPERATIONS AUDIT FORM
CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE January 26, 2011 TIME 1:20
Auditor on site at: Open Close

WEATHER Overcast, Humid WIND W 1-5

TEMP Maximum 26 °F Minimum 15 °F B.P. 30.03

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	Compactor						
<u>5</u>	Dozer						
<u>2</u>	Excavator						
<u>2</u>	Haul Truck						
	Water Truck						
	Sweeper						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

MSW Only today, in Phase 6, no
soils being tipped

MSW From road construction on West slope
being tipped in working face
Autofluff being applied over Active Area



Cover Material:

Auto-luff & Site Soils

B. Leachate Management:

Discharge to MMSD

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Turbines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Engines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Shutdowns Since Last Audit:	# 1-High Volume			
Vegetation Condition:	Good <input checked="" type="checkbox"/>	NA <input type="checkbox"/>	Raid <input type="checkbox"/>	Poor <input type="checkbox"/>
				Dead <input type="checkbox"/>

Comments:

Flare shutdowns due to condensate volume drained to storage tank ~ 1,900 gpm

D. Surface Water Management:

Storm Events Since Last	#	Est. Volume
	0	

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Frozen conditions

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

No off-site odors
Onsite odors from open waste in road construction

F. Special Waste Handling: storage of fingerprint samples and testing procedures

None



G. Litter Control:

Litter Present Onsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Litter Present Offsite:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	
Pickers Active:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	# 2

Comments: Site conditions good to control litter

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

US 45 & 8 Mile Road Clean
Litter in US 45 Ditches

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	
Equipment Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	<u>1/20/2011</u>			

Comments: ~ 1,200 TPA

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		<u>None</u>
2.		
3.		
4.		

Comments:



L. Other Comments:

- * Miller excavation building access road above West Slope
- * Stockpiled C&D being used in Road
- * Site receiving liquid loads this week

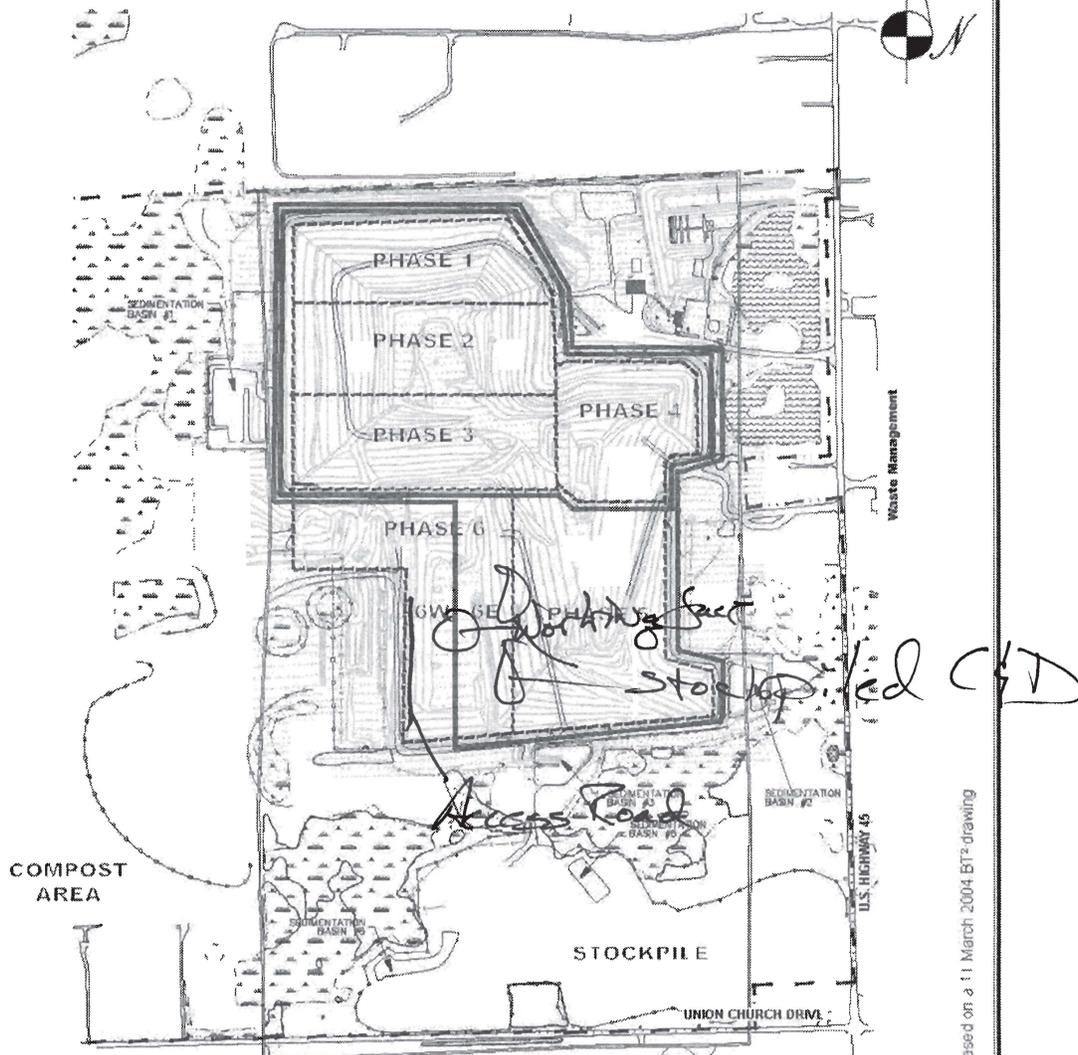
Auditor's Signature: [Signature]
Auditor's Printed Name: To. Walter Speed Sr
Management Signature: [Signature]
Management Printed Name: BRETT COGANN
Management Title: REGIONAL ENGINEER
JSA Principal Signature: _____

Date: 1/26/2011
Date: 1/26/2011
Date: _____



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020.10030



based on a 11 March 2004 BT2 drawing

J Spear Associates

Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

LANDFILL AUDIT MAP



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes



**VEOLIA EMERALD PARK LANDFILL
AUDIT PHOTOS
CITY OF MUSKEGO**

PROJECT NO. 1012.10030



Road construction on West Slope



Cutting into waste for road placement

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Working face



Excavator managing foundry sands along top of slope



Working face



Active area with autofluff being spread over previous days cover



Road construction on West Slope



West access road construction



February



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

To: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 02/16/2011
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of January 31, 2011. The audit was performed at 11:40 am on **February 3, 2011** by Jo Spear Jr. in the presence of Dean Diggett.

The following conditions were noted during this Audit of the VEPL Facility:

- Working face in middle of active area shaped like a long plane
 - Previous cover in excellent condition
 - Autofluff in use, no intermediate cover needed
- Leachate being discharged to MMSD
- Flare in operation during audit, no shutdowns
 - Flare stayed on through recent storm, ~ 4600sCFM
- One storm event since last audit ~3"
 - Large snow event, site frozen
- No odors
- Heavy litter onsite, none offsite. Extra pickers scheduled for 2/3.
- US45 and site roads sludgy with tracking, 8 Mile Road clean
- Tipping scale camera and equipment operators inspecting waste
 - Random Load inspection date was 1/29/11
- Site closed on 2/2/11 due to weather. Will operate late on 2/5/11 to accommodate volumes.

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA EMERALD PARK LANDFILL
LANDFILL OPERATIONS AUDIT FORM
CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE February 3, 2011
Auditor on site at: Open Close

TIME 3:50

WEATHER Sunny Clear, Dry

WIND S-SW 5-10 gusts to 16

TEMP Maximum 17 °F Minimum 8 °F

B.P. 30.37

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

NO.	DESCRIPTION	Rented	Contracted	NO.	DESCRIPTION	Rented	Contracted
<u>1</u>	<u>Compactor</u>						
<u>2</u>	<u>Dozer</u>						
	<u>Excavator</u>						
	<u>Haul Truck</u>						
	<u>Water Truck</u>						
	<u>Sweeper</u>						
<u>1</u>	<u>BACKHOE</u>						

MAJOR EQUIPMENT BONEYARD

NO.	DESCRIPTION	Broken	Maintenance	NO.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face in middle of active area
As a low plane. Previous cover
in excellent condition.



Cover Material:

Auto fluff is use ~~of~~ no intermediate cover needed

B. Leachate Management:

Discharge to MMSD

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	L
Turbines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Engines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Shutdowns Since Last Audit:	# NA			
Vegetation Condition:	Good <input checked="" type="checkbox"/>	Fair <input type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Flare stayed lit through storm 4/600 gpm

D. Surface Water Management:

Storm Events Since Last	# 1	Est. Volume	73
-------------------------	-----	-------------	----

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Large snow event. Site frozen

E. Odor Control:

Odors Present: Onsite Offsite

Comments: No odors

F. Special Waste Handling: storage of fingerprint samples and testing procedures

None



G. Litter Control:

Litter Present Onsite:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	
Litter Present Offsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Pickers Active:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	# 2

Comments:

Heavy litter on site, extra pickers for 2/3

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

US 45 & site road sludged with tracking
 8 Mile road clean with some snow

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	
Equipment Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	3
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	1/27/2010			

Comments:

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		
3.		
4.		

Comments:



L. Other Comments:

* Site Closed on 2/2/2011 due to weather
will operate late on 2/5/2011 to accommodate
volumes

Auditor's Signature: _____

Auditor's Printed Name: _____

Management Signature: _____

Management Printed Name: _____

Management Title: _____

JSA Principal Signature: _____

Date: 2/3/2011

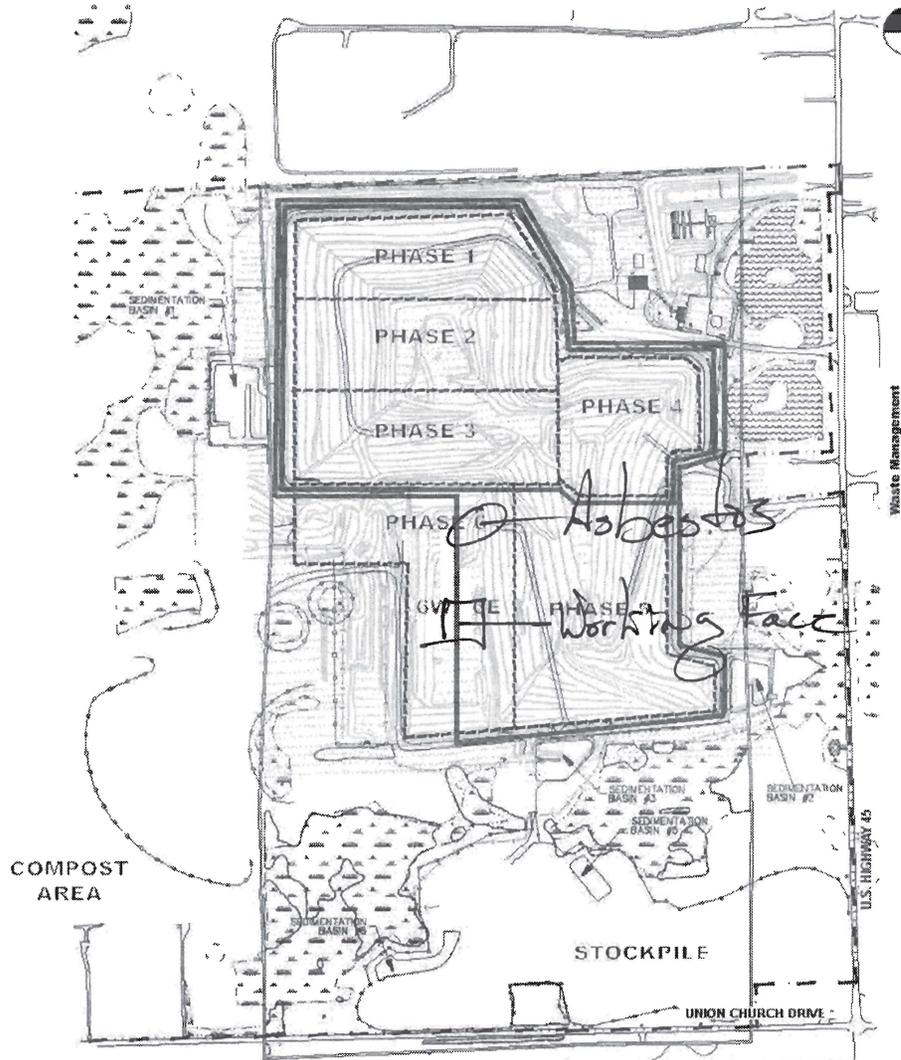
Date: 2/3/2011

Date: _____



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020.10030



based on a 11 March 2004 BT2 drawing

J Spear Associates

Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

LANDFILL AUDIT MAP



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes



**VEOLIA EMERALD PARK LANDFILL
AUDIT PHOTOS
CITY OF MUSKEGO**

PROJECT NO. 1012.10030



Working face



Dozer spreading daily cover

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



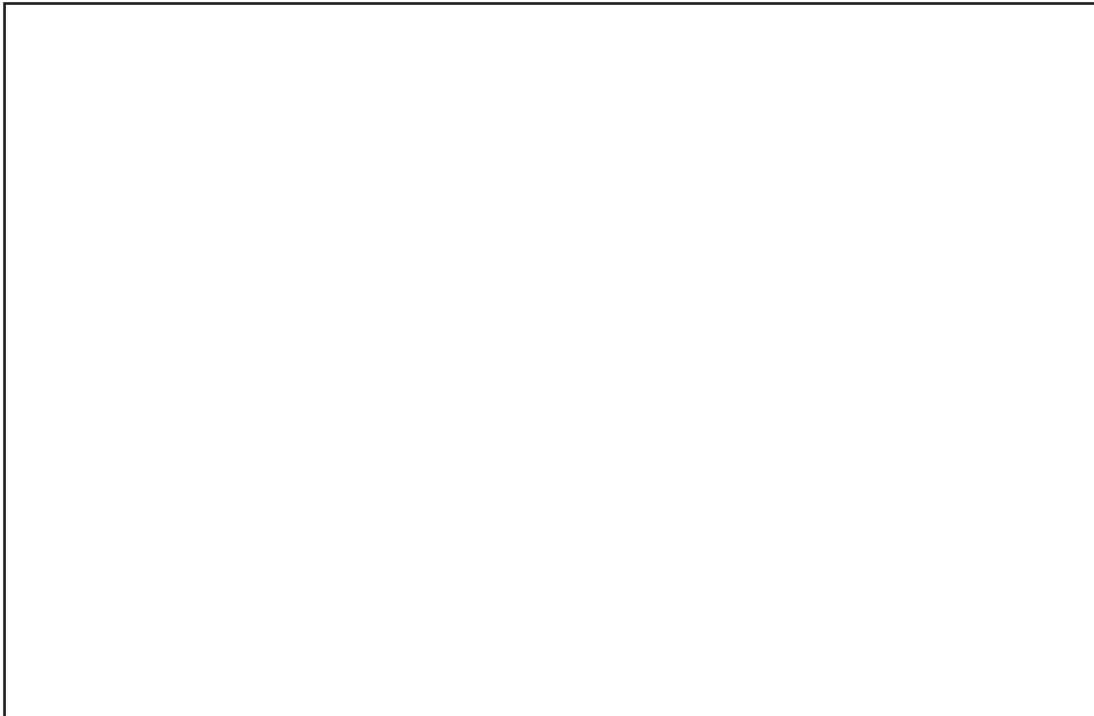
Dozer spreading cover from top of working face



Southwest corner of Phase 6



West Slope of Phase 6, construction halted due to weather conditions





Road construction on West Slope



West access road construction



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 02/16/2011
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of February 7, 2011. The audit was performed at 11:15 am on **February 10, 2011** by Jo Spear Jr. in the presence of Brett Coogan.

The following conditions were noted during this Audit of the VEPL Facility:

- WOWorking face in middle of active area with tipping at top and bottom of face.
 - No other working faces
 - Autofluff and site soils, foundry sands being stockpiled for berms
- Leachate being discharged to MMSD
- Flare in operation during audit, no shutdowns
 - Flare running smoothly for over 1 month, new tech Dean managing gas fields.
- No storm event since last audit
 - Site conditions frozen, snow removed from roads and working face
- No offsite odors, minor autofluff odor in parking lot
- Some litter in onsite trees, none offsite. 2 pickers active
- US45 and 8 Mile Road clean and dry
- Tipping scale camera and equipment operators inspecting waste
 - Random Load inspection date was 2/09/11
- Tank removal at future parkland on 2/14/11
- Contractors at Future parkland
- Construction halted due to weather.

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA EMERALD PARK LANDFILL
 LANDFILL OPERATIONS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE February 10, 2011
 Auditor on site at: Open Close

TIME 11:13

WEATHER Clear Sunny, Brist

WIND 50-10

TEMP Maximum 11 °F Minimum 3 °F

B.P. 30.09

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	Compactor						
<u>2</u>	Dozer						
	Excavator						
	Haul Truck						
	Water Truck						
	Sweeper						
<u>1</u>	<u>Back hoe</u>						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face in middle of active area
with tipping at top & bottom
of working face. No other working
faces



Cover Material:

Autofluff & Site Soil, Foundry sands
being stockpiled for berms

B. Leachate Management:

Discharge to MMSD

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Turbines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Engines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Shutdowns Since Last Audit:	#		0	
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Flare has been running smoothly for over a month
NewTech Dead Managing gas field

D. Surface Water Management:

Storm Events Since Last	#	0	Est. Volume	0
-------------------------	---	---	-------------	---

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Site conditions frozen snow removed from roads
Working face

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

No offsite odors, minor autofluff odor in parking lot.

F. Special Waste Handling: storage of fingerprint samples and testing procedures

None



G. Litter Control:

Litter Present Onsite:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	
Litter Present Offsite:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	
Pickers Active:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	# 2

Comments:

Some litter in outside trees

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

US 45 & 8 Mile Road, Clean and dry

I. Inspection of incoming Waste:

Scale Camera Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	
Equipment Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	
Spotter:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	2/09/2011					

Comments:

2/1/09 TSD
Waste Volumes down after Blizzard

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		
2.		
3.		
4.		None

Comments:



L. Other Comments:

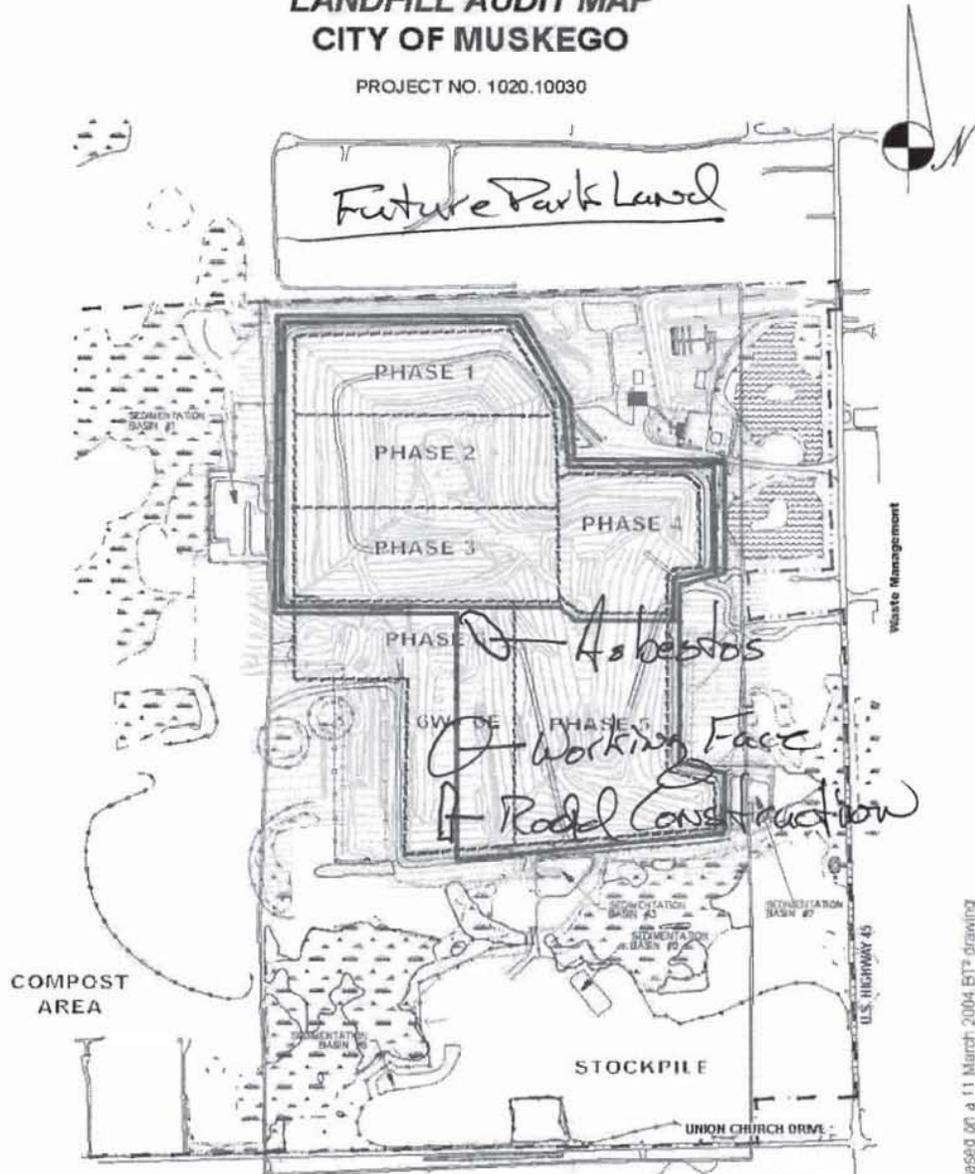
- * Tanks removed at Future Park land on 2/14/2011
- * Contractors at Future Park land
- * Construction halted due to weather

Auditor's Signature: [Signature] Date: 2/10/2011
Auditor's Printed Name: Dr. Walter Spear, Jr
Management Signature: [Signature] Date: 2/10/2011
Management Printed Name: BRETT COOMAN
Management Title: ENGINEER
JSA Principal Signature: _____ Date: _____



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020.10030



closed on a 11 March 2004 817 drawing

COMPOST
AREA

STOCKPILE

UNION CHURCH DRIVE

U.S. HIGHWAY 45

Waste Management

J Spear Associates

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212

January 2002
December 2008

LANDFILL AUDIT MAP



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes



**VEOLIA EMERALD PARK LANDFILL
AUDIT PHOTOS
CITY OF MUSKEGO**

PROJECT NO. 1012.10030



Compactor pushing waste into face



Working face with tipped load at base

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Foundry sands tipped as a berm along active area, top of West Slope



Access road under construction, construction halted due to weather



Dozer at top of working face pushing soils for later cover



Compactor at base of working face pushing waste



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 02/16/2011
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of February 14, 2011. The audit was performed at 2:52 pm on **February 14, 2011** by Jo Spear Jr. in the presence of Dean Diggette

The following conditions were noted during this Audit of the VEPL Facility:

- Working face moving north across Phase 6; previous cover in good condition
 - Asbestos and liquid load being tipped at asbestos pit
 - Autofluff and site soils for daily cover
- Leachate being discharged to MMSD
- Flare in operation during audit, no shutdowns
 - Vegetation under snow around flare is dormant, but alive ~1550scfm
- No storm event since last audit
 - Site thawing, more sublimation than flows, basins mostly frozen
- No odors noted
- Liquid load received during audit
- Minimal litter onsite in trees, 1 picker active, no litter noted offsite.
- US45 and 8 Mile Road clean and dry
- Tipping scale camera and equipment operators inspecting waste
 - Random Load inspection date was 2/10/11, ~ 900 tpd
- Snow being stockpiled on access way inside gate to melt, snow brought from asphalt areas
- Construction on road across west slope of Phase 6.

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA EMERALD PARK LANDFILL
LANDFILL OPERATIONS AUDIT FORM
CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE February 17, 2011 TIME 2:52
Auditor on site at: Open Close

WEATHER Clear, sunny, spring like WIND N 5-20

TEMP Maximum 39 °F Minimum 19 °F B.P. 30.09

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

NO.	DESCRIPTION	Rented	Contracted	NO.	DESCRIPTION	Rented	Contracted
<u>1</u>	Compactor						
<u>3</u>	Dozer						
	Excavator						
<u>1</u>	Haul Truck						
	Water Truck						
	Sweeper						

MAJOR EQUIPMENT BONEYARD

NO.	DESCRIPTION	Broken	Maintenance	NO.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face moving North across phase 6.
Previous cover in good condition.
Asbestos & liquid loads being tipped
at asbestos pit.



Cover Material:

Auto fluff & Site Soils

B. Leachate Management:

Discharge to MMSD

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Turbines in Operation:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	NA
Engines in Operation:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	NA
Shutdowns Since Last Audit:	# 0			
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Vegetation under snow about flare is dormant, but alive ~ 1550 ft

D. Surface Water Management:

Storm Events Since Last	# 0	Est. Volume	0
-------------------------	-----	-------------	---

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Site Thawing, more sublimation than flows, Basins predominantly frozen

E. Odor Control:

Odors Present: Onsite Offsite

Comments: No offsite odors

F. Special Waste Handling: storage of fingerprint samples and testing procedures

Liquid lead during audit



G. Litter Control:

Litter Present Onsite:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	
Litter Present Offsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Pickers Active:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	# 1

Comments:

Minimal litter onsite in areas

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

US 45 1/2 mile clear, site roads wet & gritty

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Equipment Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	
Spotter:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	
Random Load Inspection Dates:	2/10/2011			

Comments:

~ 900 YPD

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		
2.		
3.		
4.		None

Comments:



L. Other Comments:

* Snow Being stockpiled on access way inside gate to melt. Snow brought from asphalt areas.

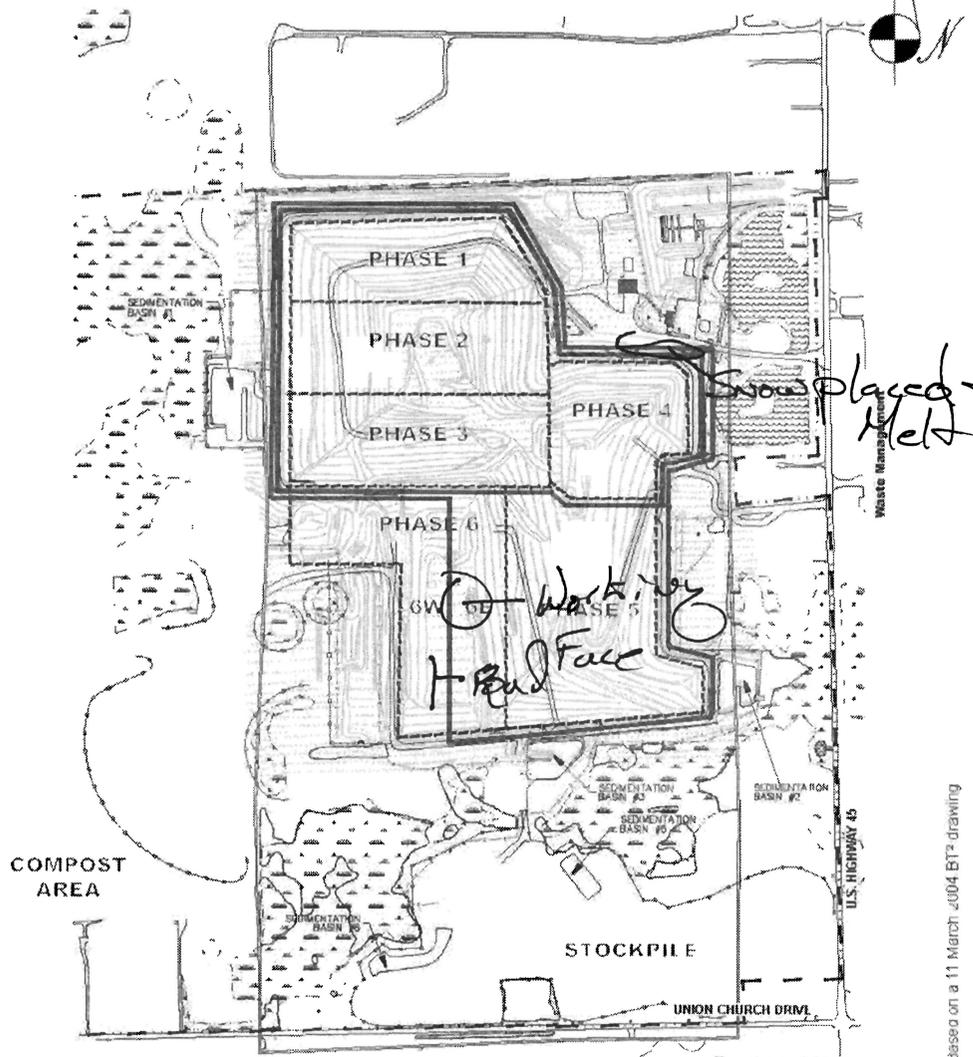
* Construction on road across West Slope of Phase 6.

Auditor's Signature: [Signature] Date: 2/14/2011
Auditor's Printed Name: Jo-Walter Spear Jr
Management Signature: [Signature] Date: 2/14/2011
Management Printed Name: SITE REP David Noyes
Management Title: _____
JSA Principal Signature: _____ Date: _____



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020.10030



January 2002
December 2006

J Spear Associates
Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

LANDFILL AUDIT MAP

plotted on a 11 March 2004 BT2 drawing



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes



VEOLIA EMERALD PARK LANDFILL AUDIT PHOTOS CITY OF MUSKEGO

PROJECT NO. 1012.10030



Typing area of working face



Active compactor in working face

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Active area viewing South



Recovered intermediate cover, stockpiled for future use



South slope of Phases 5 & 6 slowly exposed by melt



Southeast corner of Phase 5, dark soil is top soil and berm



Southwest corner of Phase 6



West slope



Road construction on West slope of Phase 6



Active compactor viewed from the West



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 02/28/2011
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of February 21, 2011. The audit was performed at 3:55 pm on **February 23, 2011** by Jo Spear Jr. in the presence of Dean Driggett.

The following conditions were noted during this Audit of the VEPL Facility:

- Working face very tight at north end of Phase 5/6. Tipping being done above working face, no other working face.
 - Autofluff and foundry sands for cover
- Leachate being discharged to MMSD
- Flare in operation during audit, no shutdowns
 - Vegetation covered by snow ~ 1650scfm
- One storm event since last audit ~3"
- No offsite odors, minor gas odor in active area.
- Weather conditions good for litter control, 2 pickers active
- US45 and 8 Mile Road clean and dry, snow-machine trails on south stockpiles
- Tipping scale camera and equipment operators inspecting waste
 - Random Load inspection date was 2/21/11,
- Access road on west slope nearly complete
- Southwest corner of Phase 6W being excavated.

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA EMERALD PARK LANDFILL
LANDFILL OPERATIONS AUDIT FORM
CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE February 23, 2011

TIME 3:55

Auditor on site at: Open Close

WEATHER Overcast, possible precip.

WIND S 0-10 mph

TEMP Maximum 27 °F Minimum 34 °F

B.P. 30.07

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	<u>Compactor</u>						
<u>2</u>	<u>Dozer</u>						
<u>1</u>	<u>Excavator</u>						
	<u>Haul Truck</u>						
	<u>Water Truck</u>						
	<u>Sweeper</u>						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face is very tight at North end
of Phase 5/6. Tipping being done above
working face.
No other working faces



Cover Material:

Auto sluff and foundry sand

B. Leachate Management:

Discharge to MMSD

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Turbines in Operation:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	NA
Engines in Operation:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	NA
Shutdowns Since Last Audit:	#			
Vegetation Condition:	Good <input checked="" type="checkbox"/>	NA <input type="checkbox"/>	Fair <input type="checkbox"/>	Poor <input type="checkbox"/> Dead <input type="checkbox"/>

Comments:

Spew covering vegetation
2/16/10

D. Surface Water Management:

Storm Events Since Last

1

Est. Volume

134

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Spew event on 2/21/2011

E. Odor Control:

Odors Present:

Onsite

Offsite

Comments:

No offsite odors, Minor gas odors in Active Area

F. Special Waste Handling: storage of fingerprint samples and testing procedures

No



G. Litter Control:

Litter Present Onsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Litter Present Offsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Pickers Active:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	# 2

Comments:

Weather conditions good for litter control

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

US45 & 8 Mile Road Clear
Snow Mobile trails on South Stock piles

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Equipment Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	3
Spotter:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	
Random Load Inspection Dates:	2/23/11			

Comments:

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		
2.		
3.		
4.		None

Comments:



L. Other Comments:

* Access road on West Slope nearly complete
* South west corner of Phase 1a being excavated.

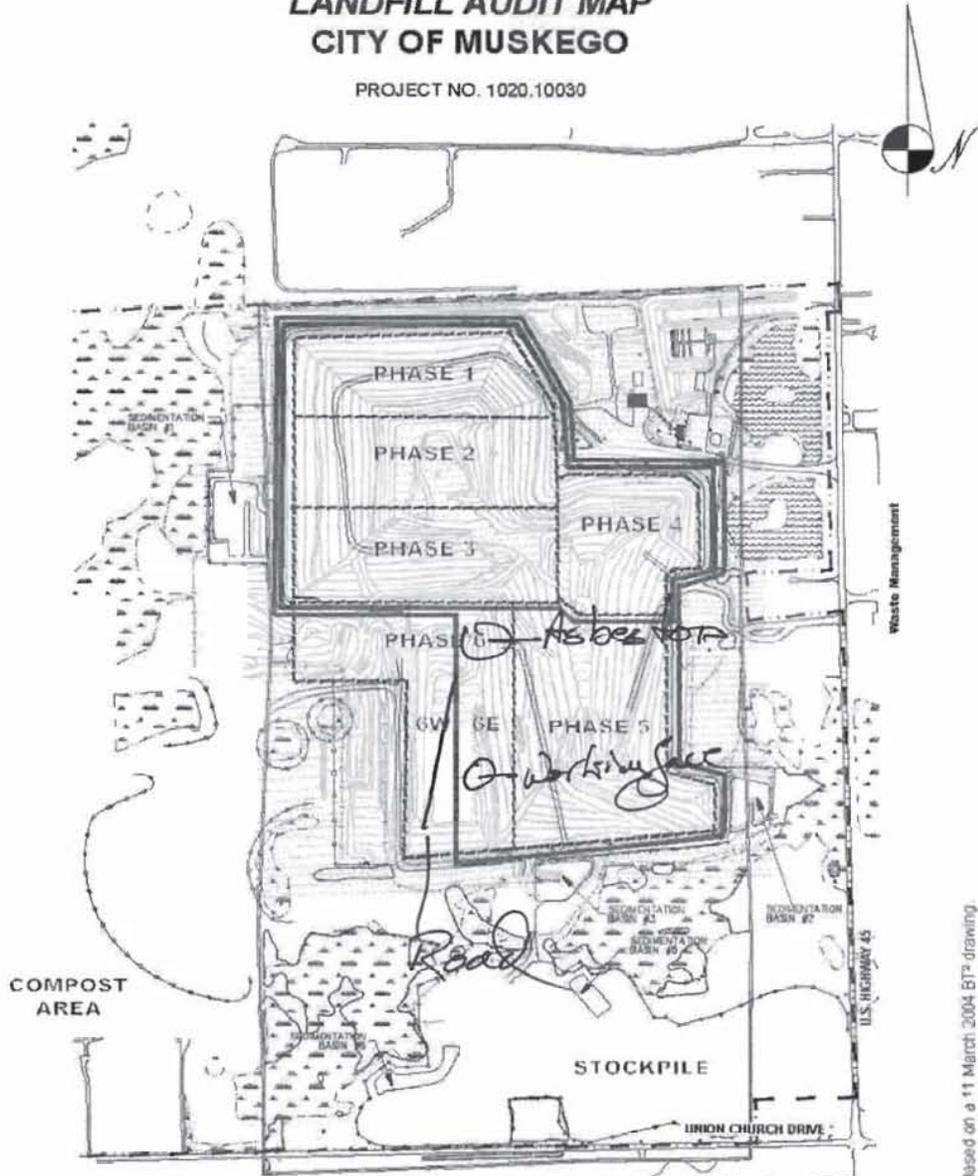
Auditor's Signature: [Signature]
Auditor's Printed Name: To. Walter Spear Jr
Management Signature: [Signature]
Management Printed Name: Dean Driggott
Management Title: _____
JSA Principal Signature: _____

Date: 2/23/11
Date: 2/23/11
Date: _____



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020.10030



closed on a 11 March 2004 BT7-drawing.

J Spear Associates

Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

LANDFILL AUDIT MAP



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes



**VEOLIA EMERALD PARK LANDFILL
AUDIT PHOTOS
CITY OF MUSKEGO**

PROJECT NO. 1012.10030



Working face



Excavator being relocated for the night

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Compactor pushing final waste load of the day



Soils being excavated for road construction



Road roughed out to top of slope



Road construction nearly completeness



March



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 03/11/11
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of February 28, 2011. The audit was performed at 2:40 pm on **March 3, 2011** by Jo Spear Jr. in the presence of Dean Driggett.

The following conditions were noted during this Audit of the VEPL Facility:

- Working face on East edge of Phase 5; C & D material being relocated to make room for MSW
 - No other working faces in use
 - Autofluff in abundance for cover
- Leachate being discharged to MMSD
- Flare in operation during audit, no shutdowns
 - Snow melt exposing vegetation ~ 1650scfm
- No storm event since last audit, snow melt nearly complete
- No on or offsite odors
- Condensate spread in working face
- Litter exposed after snow melt, some litter in trees, 1 pickers active
- US45 gritty, 8 Mile Road clean
- Tipping scale camera and equipment operators inspecting waste
 - Random Load inspection date was 3/3/11,
- Road extended along east slope to top of active area, steep
- West slope road construction ongoing
- Site wet and muddy
- Construction Audit Info
 - Construction of Phase 6 west slope road
 - Soils form stockpile excavated
 - No offsite hauling/trucking

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA EMERALD PARK LANDFILL
 LANDFILL OPERATIONS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE March 3, 2011
 Auditor on site at: Open Close

TIME 2:40

WEATHER Overcast

WIND S-SW 10mph Steady

TEMP Maximum 39 °F Minimum 32 °F

B.P. 30.33

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
2	Dozer						
1	Excavator						
	Haul Truck						
	Water Truck						
	Sweeper						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face on East edge of Phase 5
C&D material being relocated to make
room for MSW. No other working faces
in use.



Cover Material:

Autohuff in abundance

B. Leachate Management:

Discharge to MMSD

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Turbines in Operation:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	NA
Engines in Operation:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	NA
Shutdowns Since Last Audit:	# 0			
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input checked="" type="checkbox"/>

Comments:

Snow melt exposing vegetation
~ 1650 g/m

D. Surface Water Management:

Storm Events Since Last	# 0	Est. Volume	0
-------------------------	-----	-------------	---

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Site conditions thawing, snow melt nearly complete

E. Odor Control:

Odors Present:

Onsite	<input type="checkbox"/>	Offsite	<input type="checkbox"/>
--------	--------------------------	---------	--------------------------

Comments:

No offsite odors, no onsite odors

F. Special Waste Handling: storage of fingerprint samples and testing procedures

Condensate spread in working face



G. Litter Control:

Litter Present Onsite:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	
Litter Present Offsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Pickers Active:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	# 2

Comments:

Litter present after snow melt. Some litter in trees

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

US43 griffis, 8 Mile Road clear

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Equipment Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	3
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	3/3/2011			

Comments:

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		
2.		
3.		
4.		

Comments:



L. Other Comments:

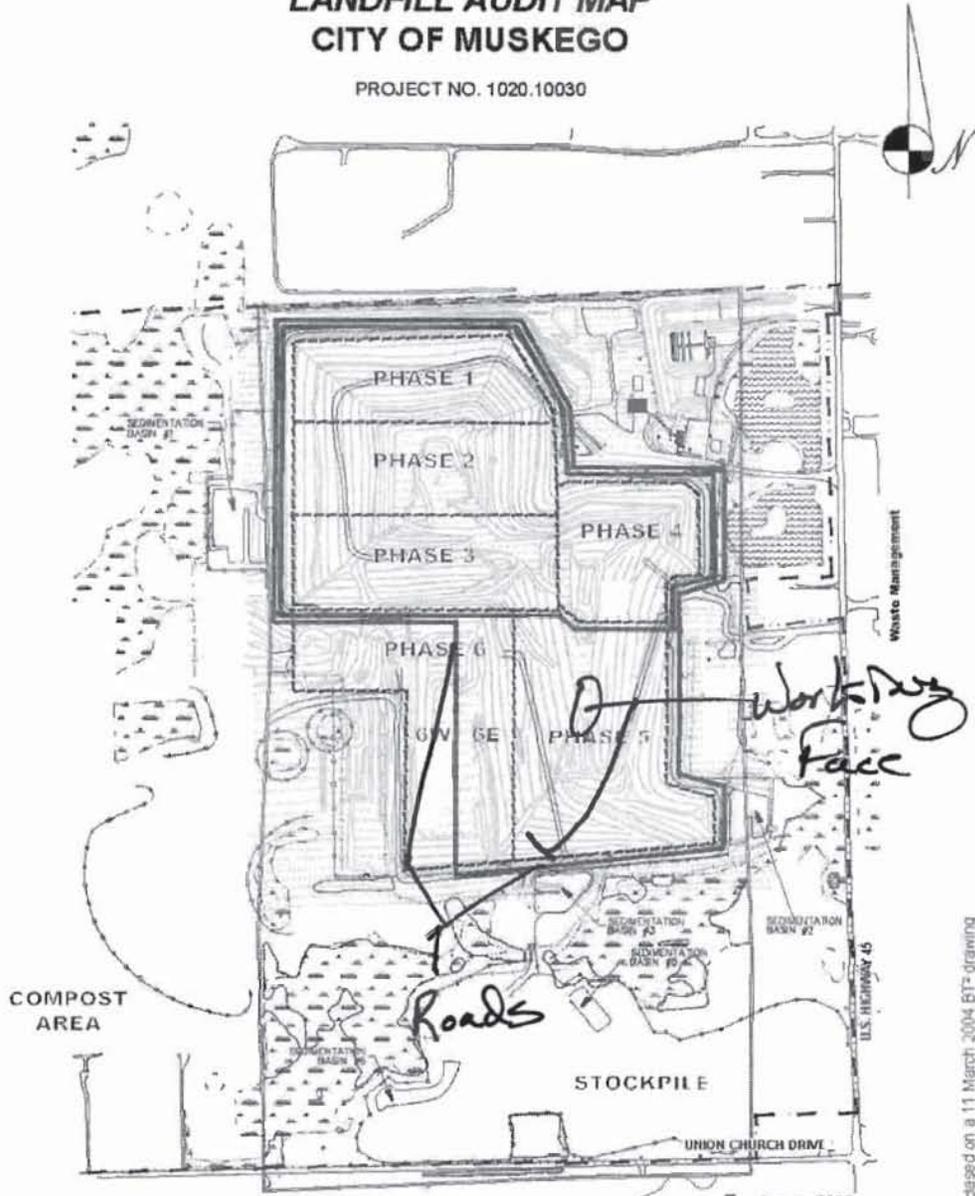
- * Road extend along East Slope
to top of active area, steep
- * West slope road construction
ongoing
- * Site west of Muddy

Auditor's Signature: [Signature] Date: 3/3/2011
Auditor's Printed Name: Jo-Walter Sperry
Management Signature: [Signature] Date: 3/3/2011
Management Printed Name: ENV. TECH.
Management Title: _____
JSA Principal Signature: _____ Date: _____



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020.10030



dated on a 11 March 2004 BTZ drawing

J Spear Associates
Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

January 2002
December 2006

LANDFILL AUDIT MAP



VEOLIA EMERALD PARK LANDFILL
LANDFILL CONTRACTORS AUDIT FORM
CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE 3/3/2011

TIME 3:07

MAJOR EQUIPMENT USED IN CONSTRUCTION OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
	Compactor						
1	Dozer						
1	Excavator						
2	Haul Truck						
	Water Truck						
	Sweeper						

A. Work Accomplished Today (Scheduled & Completed):

Construction of Phase 6 West
slope road



B. Excavations / Soil Management:

Soil from stock pile

C. Off Site Hauling

	Weight Ticket Number	Weight of Load in Pounds
1		
2		
3		
4	NA	
5		
6		
7		
8		
9		
10		

No offsite trucking

Auditor's Signature: *[Signature]*
Auditor's Printed Name: *John Walter Spear, Sr*
Management Signature: *[Signature]*
Management Printed Name: _____
Management Title: _____

Date: *3/3/2011*
Date: *3/3/2011*



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes



**VEOLIA EMERALD PARK LANDFILL
AUDIT PHOTOS
CITY OF MUSKEGO**

PROJECT NO. 1012.10030



Active area after snow melt



Autofluff stockpiled for daily cover

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Excavator relocating C&D waste for placement of MSW



West slope road construction on going.



Dozer working road base



West slope of Phase 6



West slope of phase 6



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 03/14/11
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of March 7, 2011. The audit was performed at 2:40 pm on **March 11, 2011** by Jo Spear Jr. in the presence of Dean Driggett.

The following conditions were noted during this Audit of the VEPL Facility:

- Working face on southeast corner of Phase 5. Previous cover pulled back to be placed at end of day
 - No soils being placed in Phase 2 & 3 due to weather conditions
 - Autofluff and recovered soils for cover
- Leachate being discharged to MMSD
- Flare in operation during audit, 1 shutdown on 3/10/11
 - Maintenance shutdown on 3/10/11 for about 4 hours
- One storm event since last audit, >1"
 - Due to melt, some rills exposed
- No on or offsite odors
- Liquid loads received this week
- Heavy litter after melt, ongoing clean up; 2 pickers active
- US45 and 8 Mile Road clean, site roads muddy and dusty
- Tipping scale camera and equipment operators inspecting waste ~1400tpd
 - Random Load inspection date was 3/11/11,
- Placement of stone on access road ongoing, no construction today
- Piping and Blower setup for biopile nearly complete

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA EMERALD PARK LANDFILL
LANDFILL OPERATIONS AUDIT FORM
CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE March 11, 2011
Auditor on site at: Open Close

TIME 12:53

WEATHER Clear Sunny

WIND S 1-5

TEMP Maximum 42 °F Minimum 32 °F

B.P. 30.08

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
1	Dozer						
	Excavator						
	Haul Truck						
	Water Truck						
1	Sweeper						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face on Southeast corner
of Phase 5. Previous cover pulled
back to be placed at end of day
No soils being placed in phase 2/3
due to weather conditions



Cover Material:

Autofuel and recovered soils

B. Leachate Management:

Discharge to MMSD

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Turbines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Engines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Shutdowns Since Last Audit:	#		1	
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input type="checkbox"/>	Poor <input checked="" type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Shutdown 3/10/16 for maintenance & repairs ~ 4 hours

D. Surface Water Management:

Storm Events Since Last	# 1	Est. Volume	271
-------------------------	-----	-------------	-----

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Due to melt, several rills exposed

E. Odor Control:

Odors Present: Onsite Offsite

Comments: No offsite odors, no onsite odors

F. Special Waste Handling: storage of fingerprint samples and testing procedures

Liquids loads received this week



G. Litter Control:

Litter Present Onsite:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	
Litter Present Offsite:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	
Pickers Active:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	# 2

Comments:

Heavy litter after melt, Cleanup
ONGOING

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

US 45 & 3 Mile Clean
Site Roads muddy & Dusty

I. Inspection of incoming Waste:

Scale Camera Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	
Equipment Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	3
Spotter:	YES	<input type="checkbox"/>	NO	<input type="checkbox"/>	#	
Random Load Inspection Dates:						3/11/2011

Comments:

~ 1,400 TPD

J. Rejected Loads:

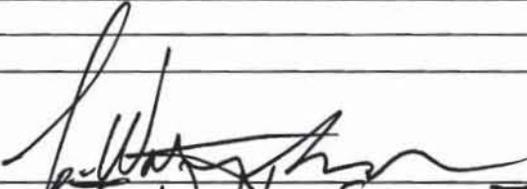
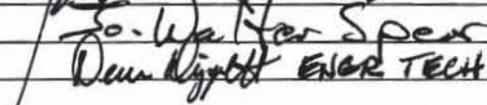
	Date/Time	Reason for Rejection
1.		None
2.		
3.		
4.		

Comments:



L. Other Comments:

* Placement of stone on access road ongoing
No construction delay
* Piping & Blower Setup for Bio Pile
nearly complete

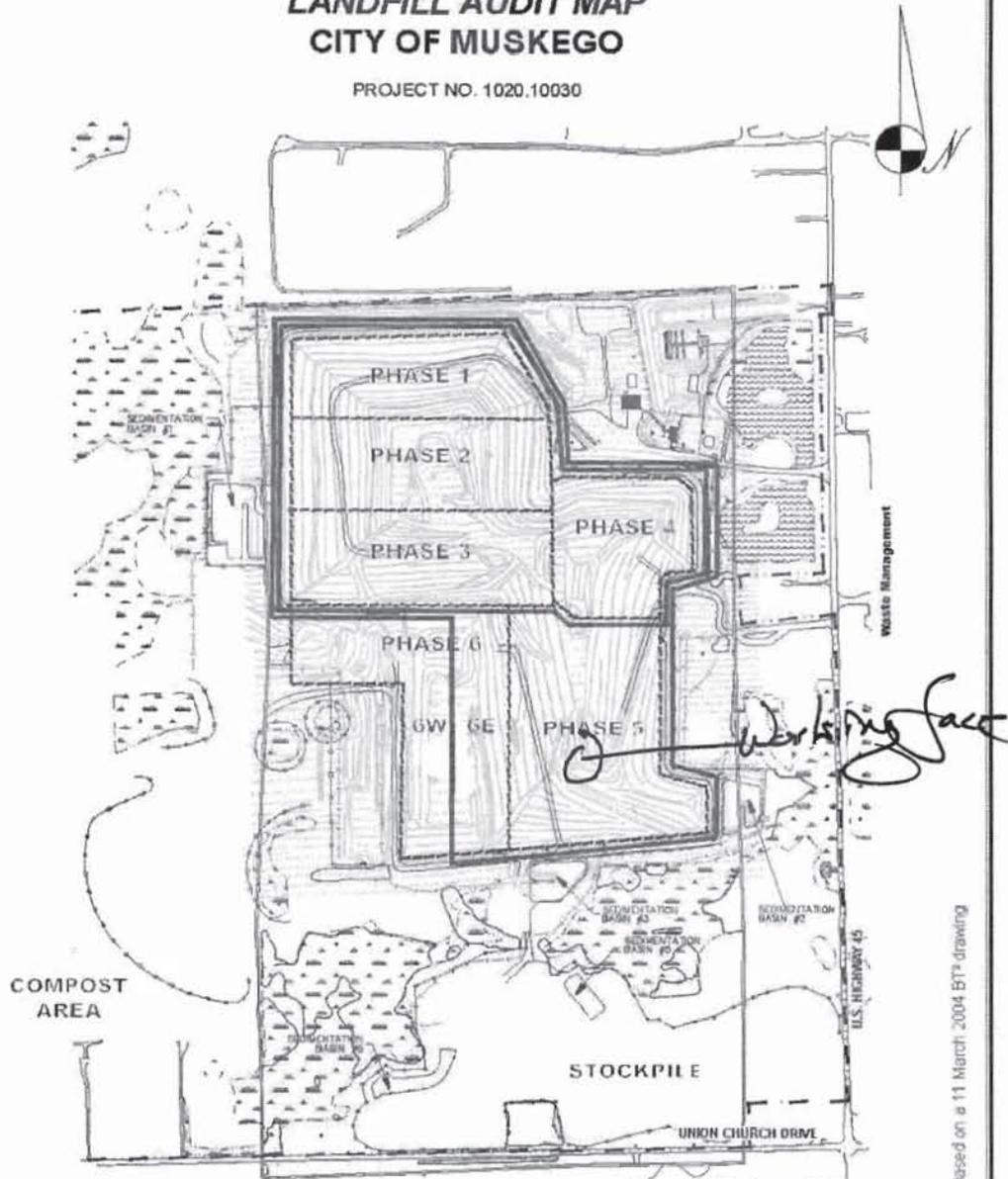
Auditor's Signature: 
Auditor's Printed Name: So. Walter Spear, Jr.
Management Signature: 
Management Printed Name: Dawn Dylott ENERTECH
Management Title:
JSA Principal Signature:

Date: 3/11/2011
Date: 3/11/2011
Date:



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020.10030



closed on a 11 March 2004 BTX drawing

J Spear Associates

Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

■ January 2002
■ December 2006

LANDFILL AUDIT MAP



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes



**VEOLIA EMERALD PARK LANDFILL
AUDIT PHOTOS
CITY OF MUSKEGO**

PROJECT NO. 1012.10030



Compactor moving and compacting waste into working face from active area



Working face

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Recovered soils for daily cover



Tipping waste



New access road still under construction



West slope of Phase 6



West slope of phase 6



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego

FROM: Anna Krajcik

COPIES: File

DATE: 03/23/11

PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of March 14, 2011. The audit was performed at 11:50 am on **March 16, 2011** by Jo Spear Jr. in the presence of Brett Coogan.

The following conditions were noted during this Audit of the VEPL Facility:

- Working face on southeast corner of active area
 - No soils being received due to conditions
 - Autofluff and site soils for cover
- Leachate being discharged to MMSD
- Flare in operation during audit, no shut downs
 - Vegetation recovering
- No storm events since last audit
 - Snow melt nearly complete, very dry onsite with muddy slopes
- No on or offsite odors
- Minor litter onsite, especially in temporary basins; 8 pickers active
- US45 and 8 Mile Road and site roads dusty; some litter on US45
- Tipping scale camera and equipment operators inspecting waste ~1400tpd
 - Random Load inspection date was 3/16/11,
- Scale repaired on 3/11/2011
- Litter fences being repaired and new construction of litter fences at Future Parkland Site
- Sweeper onsite day of audit
- French owners visiting site today
- Construction Audit
 - Miller Excavating finishing west slope access road, fines needed to finish

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos



MEMORANDUM

- Miller starting construction of access road to compost area along north of stockpiles
- Oaks onsite excavating and backhauling clay to Oaks Farm.
- Removal of stockpile in new expansion footprint

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA EMERALD PARK LANDFILL
LANDFILL OPERATIONS AUDIT FORM
CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE March 16, 2011 TIME 11:30
Auditor on site at: Open Close

WEATHER Clear Sunny WIND S 10-15
TEMP Maximum 56 °F Minimum 42 °F B.P. 30.06

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	Compactor						
<u>2</u>	Dozer						
	Excavator						
	Haul Truck						
<u>1</u>	Water Truck						
<u>1</u>	Sweeper						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face in Southeast corner of active area, No soils being reviewed due to conditions



Cover Material:

Autofluff and site soils

B. Leachate Management:

Discharge to MMSD

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Turbines in Operation:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	NA
Engines in Operation:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	NA
Shutdowns Since Last Audit:	#			
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input type="checkbox"/>	Poor <input checked="" type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Vegetation Recovering

D. Surface Water Management:

Storm Events Since Last	#	Est. Volume
	0	0

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Snow melt nearly complete, very dry onsite with muddy slope

E. Odor Control:

Odors Present: Onsite Offsite

Comments: No offsite odors, waste odors onsite

F. Special Waste Handling: storage of fingerprint samples and testing procedures



G. Litter Control:

Litter Present Onsite:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	
Litter Present Offsite:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	
Pickers Active:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	# 8

Comments:
 Minor litter onsite especially in temp
 basin, 2

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

Litter on US 45, Roads very dusty
 onsite of US 45 of 8 Mile Road.

I. Inspection of incoming Waste:

Scale Camera Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	1
Equipment Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	
Spotter:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	3/16/2011					

Comments:
 2,400 TPD.

J. Rejected Loads:

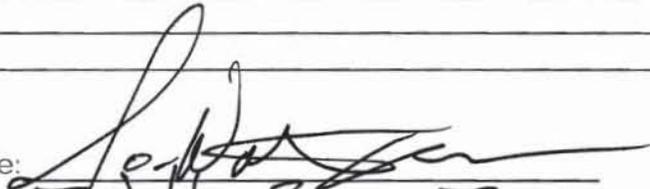
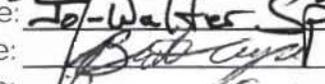
	Date/Time	Reason for Rejection
1.		None
2.		
3.		
4.		

Comments:



L. Other Comments:

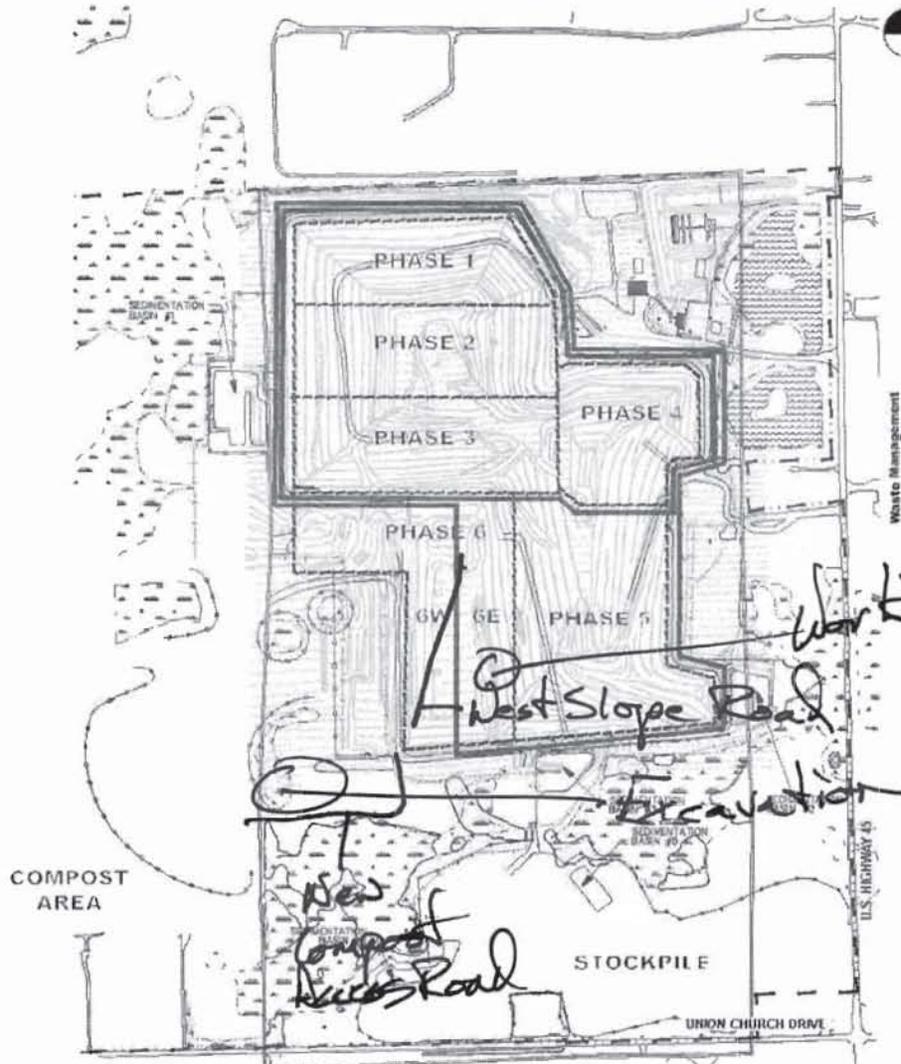
- * Scale Repaired on 3/16/2011
- * Litter fences Being repaired and new construction of litter fences at Future Parkland site.
- * Sweeper on site - today.
- * French owners Visiting today

Auditor's Signature:  Date: 3/16/2011
Auditor's Printed Name: Jo-Walter Spear, Jr.
Management Signature:  Date: 3/16/11
Management Printed Name: BRETT COXIGAN
Management Title: ENGINEER
JSA Principal Signature: _____ Date: _____



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020.10030



Working face

West Slope Road

Excavation

New Compost Area Road

based on a 11 March 2004 B17 drawing

J Spear Associates

Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

January 2002
December 2006

LANDFILL AUDIT MAP



VEOLIA EMERALD PARK LANDFILL
 LANDFILL CONTRACTORS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE March 16, 2011 TIME 1130

MAJOR EQUIPMENT USED IN CONSTRUCTION OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
	Compactor						
<u>3</u>	Dozer						
<u>2</u>	Excavator						
<u>2</u>	Haul Truck						
	Water Truck						
	Sweeper						

A. Work Accomplished Today (Scheduled & Completed):

Miller excavating finishing West Slope
 access road, fines needed to finish
 Miller starting construction of access
 road to Compost Area along North of
 Stock piles

Oak on site excavating and backhauling
 clay to Oak's farm



B. Excavations / Soil Management:

Removal of Stock pile in new expansion
foot print

c. Off Site Hauling

	Weight Ticket Number	Weight of Load in Pounds
1	None	
2		
3		
4		
5		
6		
7		
8		
9		
10		

Auditor's Signature: [Signature]
Auditor's Printed Name: Jsg. Walter Spear, Jr
Management Signature: [Signature]
Management Printed Name: BRETT COLLIER
Management Title: ENGINEER

Date: 3/16/2011
Date: 3/16/11



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes



**VEOLIA EMERALD PARK LANDFILL
AUDIT PHOTOS
CITY OF MUSKEGO**

PROJECT NO. 1012.10030



Repair to erosion ongoing, South Slope of Phases 5 & 6



West slope access road nearly completed

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Active area



Temp Sed Basin and litter pickers.



West slope of Phase 6



Active area and new road below



Oaks excavating and transporting stockpile



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 03/28/11
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of March 21, 2011. The audit was performed at 11:30 am on **March 23, 2011** by Jo Spear Jr. in the presence of Dan Driggett.

The following conditions were noted during this Audit of the VEPL Facility:

- Working face on east slope of Phase 5 approximately 40' x 100' in size; filling trench along top of slope
 - Cover in great condition, litter trapped in fences
 - Autofluff for cover
- Leachate being discharged to MMSD
- Flare in operation during audit, no shut downs
 - Vegetation recovering from winter months
- Many storm events since last audit, ~ 2"
 - Area conditions near flooding, Temp sediment basins very high
- No on or offsite odors
- Litter onsite in active area only, 2 pickers active
- US45 and 8 Mile Road clean but wet due to weather
- Tipping scale camera and equipment operators inspecting waste ~1460tpd
 - Random Load inspection date was 3/23/11
- Rills and bare patches on South slope of south stockpiles along 8 mile road and Union Church Road
- Injection well extended due to fill elevation rising

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA EMERALD PARK LANDFILL
LANDFILL OPERATIONS AUDIT FORM
CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE March 23, 2011
Auditor on site at: Open Close

TIME 11:30

WEATHER Raining, Overcast

WIND S-SE 10-20

TEMP Maximum 34 °F Minimum 21 °F

B.P. 29.59

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
1	Dozer						
1	Excavator						
	Haul Truck						
	Water Truck						
	Sweeper						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance
1	Compactor		1				

A. Working Face Size and Location:

Working face on East Slope of Phase 5
approx 40' x 100' in size, Filling Trench
along top of slope.

Cover in great condition, Litter trapped
on fences



Cover Material:

Autofluo

B. Leachate Management:

Discharge to MMSP,

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Turbines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Engines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Shutdowns Since Last Audit:	#			
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input type="checkbox"/>	Poor <input checked="" type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Vegetation recovering from winter months

D. Surface Water Management:

Storm Events Since Last	# <i>MANY</i>	Est. Volume	<i>~2"</i>
-------------------------	---------------	-------------	------------

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Area conditions near flooding

Temp Sed Basin very High.

E. Odor Control:

Odors Present:

Onsite <input type="checkbox"/>	Offsite <input type="checkbox"/>
---------------------------------	----------------------------------

Comments:

No offsite odors or onsite

F. Special Waste Handling: storage of fingerprint samples and testing procedures



G. Litter Control:

Litter Present Onsite:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	
Litter Present Offsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Pickers Active:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	# 2

Comments:

Litter onsite in Active area only

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

US 45 & 8 Mile road clean, wet due to weather

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Equipment Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	3/23/2011			

Comments:

~ 1,460 TPD

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		
3.		
4.		

Comments:



L. Other Comments:

* Rills & Bare Patch on South Slope of South
Stouck pile along 8 Mile/Union Church Rd.
* Injection Well ~~is~~ extended due to
fill elevation rising.

Auditor's Signature: _____

Auditor's Printed Name: _____

Management Signature: _____

Management Printed Name: _____

Management Title: _____

JSA Principal Signature: _____

Date: 3/23/11

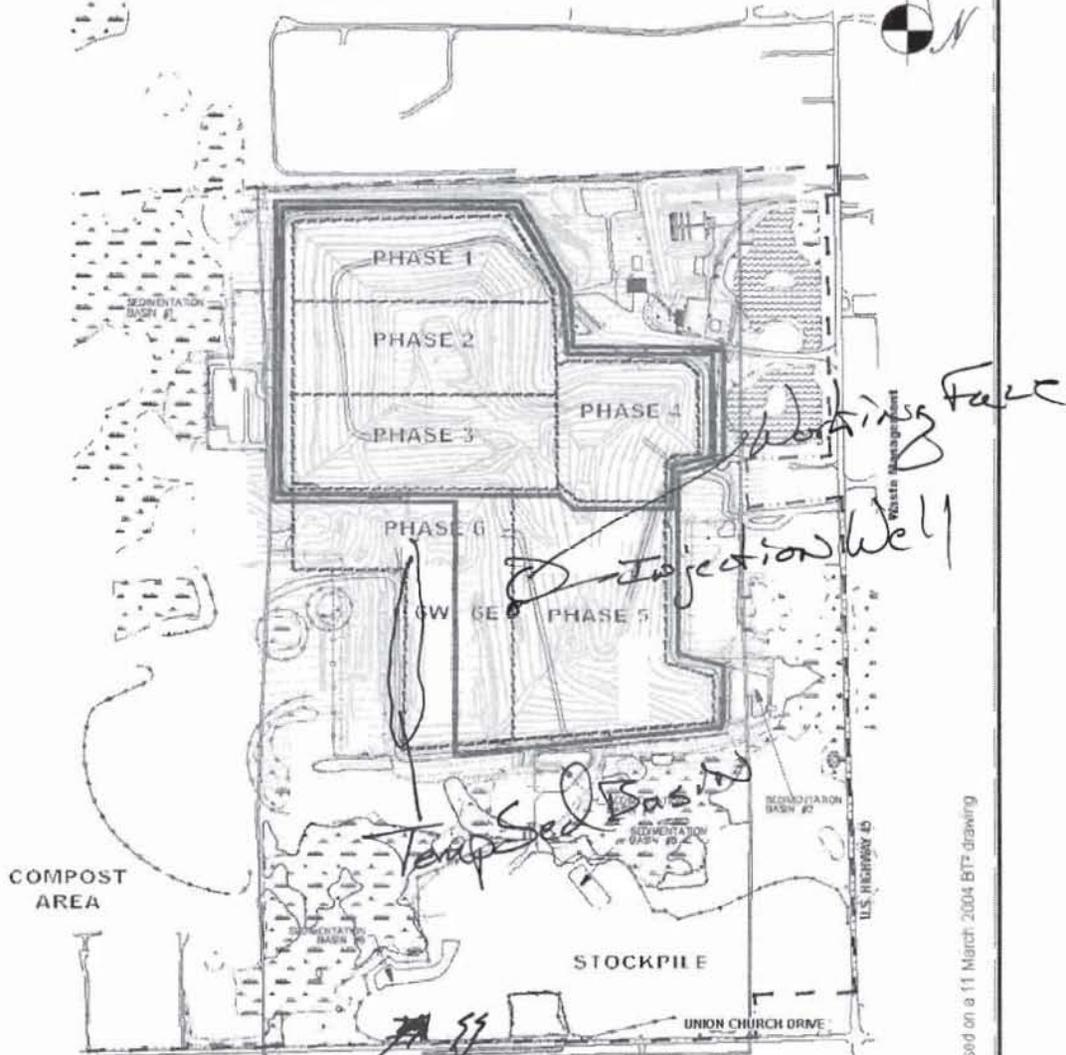
Date: 3/23/11

Date: _____



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020.10030



dated on a 11 March 2004 BT7-drawing

FOREPATCH
J Spear Associates

Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

LANDFILL AUDIT MAP

JSA J SPEAR ASSOCIATES
325 WEST VINE STREET
MILWAUKEE, WI 53212-0000
CIVIL ENVIRONMENTAL
ENGINEERS

VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes



**VEOLIA EMERALD PARK LANDFILL
AUDIT PHOTOS
CITY OF MUSKEGO**

PROJECT NO. 1012.10030



Working Face



Working face viewed from Southwest, Injection Well in center of photo

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Working Face viewed from the North



Active Area viewed from the North



Southern end of West access road



West Slope and access road



West Slope of Phase 6



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 04/0411
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of March 28, 2011. The audit was performed at 1:25 pm on **March 31, 2011** by Jo Spear Jr. in the presence of Brett Coogan.

The following conditions were noted during this Audit of the VEPL Facility:

- Working face in Phase 5/6 junction at North end of Phase, about ¼ acre
 - Biosoils excavated and used as cover adjacent to working face
 - Autofluff and biosoils for cover
- Leachate being discharged to MMSD
- Flare in operation during audit, no shut downs
 - Vegetation improving, ~1400cfm
- No storm events since last audit
 - Temp basin full, pumps repaired and operating
- No on or offsite odors
- No litter onsite, some litter offsite in ditches, 2 pickers active
- US45 and 8 Mile Road and site roads dusty; some litter on US45
- Tipping scale camera and equipment operators inspecting waste ~1450tpd
 - Random Load inspection date was 3/30/11
- Injection wells being installed in Phase 6. One well complete, 2 to go.
- Five new gas wells installed on west intermediate slope
- Oaks hauling clay today

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA EMERALD PARK LANDFILL
 LANDFILL OPERATIONS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE March 31, 2011
 Auditor on site at: Open Close

TIME 1:25

WEATHER High Clouds Sunny

WIND S 10-20

TEMP Maximum 45 °F Minimum 28 °F

B.P. 29.89

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
2	Dozer						
1	Excavator						
2	Haul Truck						
1	Water Truck						
1	Sweeper		<u>3/31/11</u>				

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face in Phase 5/6 Junction
At North end of Phase, Approx. 1/4
acre,
Big Soil being excavated and used
as cover adjacent to Working face



Cover Material:

Autofluff & Bio Soil

B. Leachate Management:

Discharge to MMSD

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	
Turbines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Engines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Shutdowns Since Last Audit:	# 0			
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input type="checkbox"/>	Poor <input checked="" type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Vegetation improving ~ 1,400 Gm

D. Surface Water Management:

Storm Events Since Last

0

Est. Volume

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Temp Basin Full, pumps repaired & Operating

E. Odor Control:

Odors Present:

Onsite

Offsite

Comments:

No offsite odors or onsite odors

F. Special Waste Handling: storage of fingerprint samples and testing procedures

None



G. Litter Control:

Litter Present Onsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Litter Present Offsite:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	Ditches
Pickers Active:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	# 2

Comments:

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads

US45 + 8 Mile Dusty. Sweeper active during Audit
 Site Roads Dusty, water trucks active during Audit

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#
Equipment Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#
Random Load Inspection Dates:	3/30/2011		

Comments:

~ 1430 TPD

J. Rejected Loads:

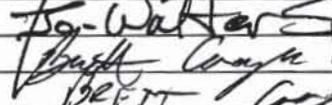
	Date/Time	Reason for Rejection
1.		None
2.		
3.		
4.		

Comments:



L. Other Comments:

- * Injection Wells being installed in Phase 6. 2 Well Complete, 2 to go
- * Five new gas wells installed at West intermediate slope
- * Oaks hauling clay to Farm

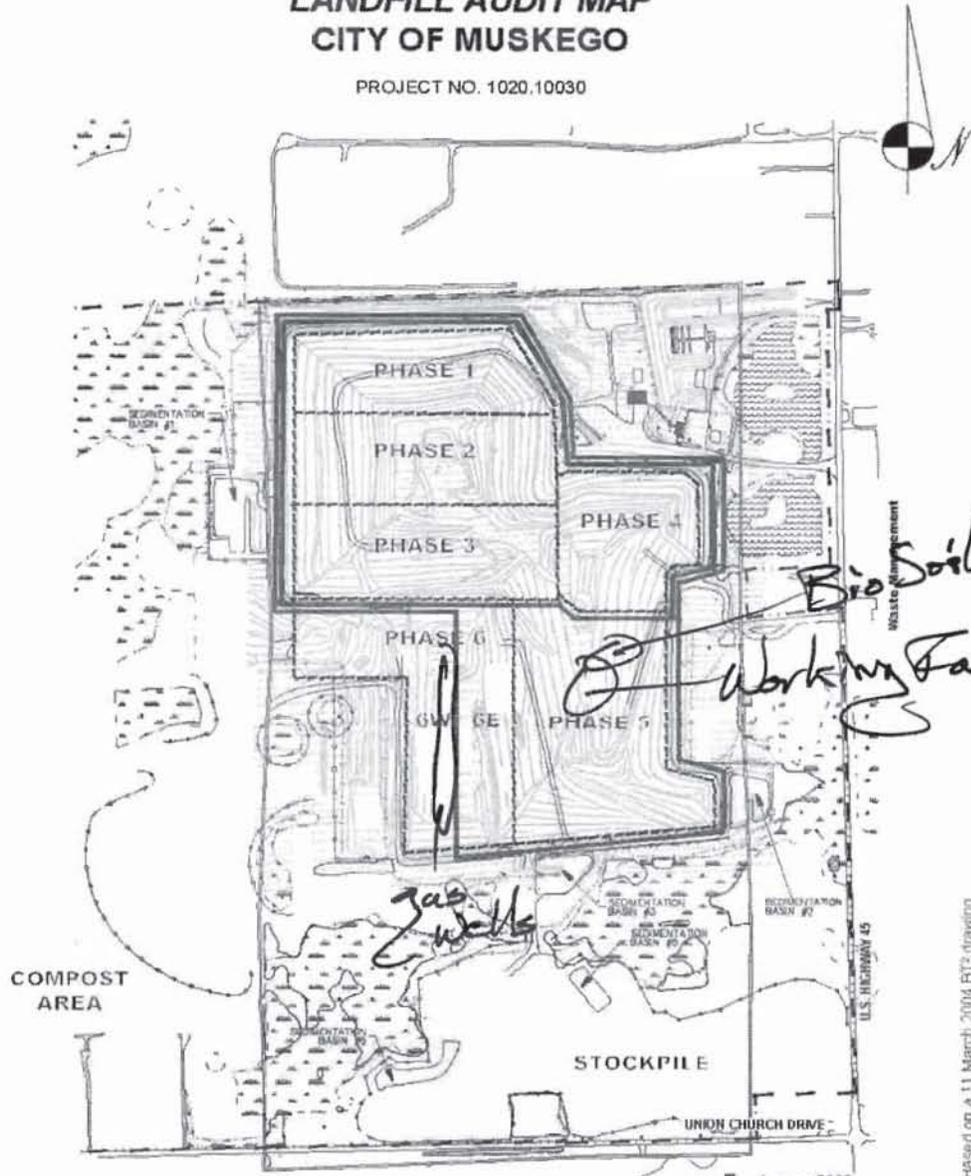
Auditor's Signature: 
Auditor's Printed Name: J. Walter Spencer Jr
Management Signature: 
Management Printed Name: BRETT Coym
Management Title: ENGINEER
JSA Principal Signature: _____

Date: 3/31/11
Date: 3/31/11
Date: _____



VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO

PROJECT NO. 1020.10030



J Spear Associates

Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

LANDFILL AUDIT MAP



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes



VEOLIA EMERALD PARK LANDFILL AUDIT PHOTOS CITY OF MUSKEGO

PROJECT NO. 1012.10030



New injection well



Injection well piping being welded together.

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Drill rig installing injection wells



Working face



Tipping before working face



Excavator removing treated bio soils



New Access road to active area, nearly complete



New road to compost area



Temp Sed Basin



West slope and activities in Active Area



Compactor in working face



Clay stock pile being excavated and relocated to Oak's Farm



April



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 04/06/11
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of April 4, 2011. The audit was performed at 3:20 pm on **April 5, 2011** by Jo Spear Jr. in the presence of Brett Coogan.

The following conditions were noted during this Audit of the VEPL Facility:

- Working face in phase 5, cut into bio soil location. Excavator removing soils prior to waste placement
 - Cover in excellent condition
 - Autofluff and recovered soils for cover
- Leachate being discharged to MMSD
- Flare in operation during audit, no shut downs
 - Vegetation recovering from winter months
- One storm event since last audit
 - Hail event on 4/3/2011
 - Basins have freeboard except temporary sediment basin still being drained
- Odors present on and offsite
 - Autofluff odor offsite, strong septic odor onsite
- Minor litter onsite in ditches, no litter offsite, 2 pickers active
- US45 and 8 Mile Road clean
- Tipping scale camera and equipment operators inspecting waste ~1400tpd
 - Random Load inspection date was 3/30/11,
- Clay from stockpile being removed to Oaks Farm
- Injection Well installation complete, no other drilling to be done at this time

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos

77011

VEOLIA EMERALD PARK LANDFILL
LANDFILL OPERATIONS AUDIT FORM
CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE APRIL 5, 2011
Auditor on site at: Open Close

TIME 3:20

WEATHER Clear Sunny, Some clouds

WIND South 5-15

TEMP Maximum 49 °F Minimum 38 °F

B.P. 29.79

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
1	Dozer						
2	Excavator						
1	Haul Truck						
1	Water Truck						
1	Sweeper		<u>4/5/2011</u>				

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face in Phase 5, cut into Bio Soil location. Excavator removing soils prior to waste placement. Cuts in excellent shape



Cover Material:

Autofluff and covered soils

B. Leachate Management:

Discharge to MMSD

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Turbines in Operation:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	NA
Engines in Operation:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	NA
Shutdowns Since Last Audit:	# None			
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input type="checkbox"/>	Poor <input checked="" type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Vegetation recovering from winter months

D. Surface Water Management:

Storm Events Since Last	#	1	Est. Volume	
-------------------------	---	---	-------------	--

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Hail event on 4/3/2011

Basins have greenboard except temp Sed Basin still being drained

E. Odor Control:

Odors Present:

Onsite <input checked="" type="checkbox"/>	Offsite <input checked="" type="checkbox"/>
--------------------------------------------	---------------------------------------------

Comments:

Autofluff odor offsite, strong septic odor onsite

F. Special Waste Handling: storage of fingerprint samples and testing procedures

None



G. Litter Control:

Litter Present Onsite:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	
Litter Present Offsite:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	
Pickers Active:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	# 2

Comments:
 No litter off site Litter onsite in
 ditches

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

US 45 @ 8 Mile Road (clean)

I. Inspection of incoming Waste:

Scale Camera Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	1
Equipment Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	
Spotter:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	3/30/11					

Comments:
 ~ 1,400 TPD

J. Rejected Loads:

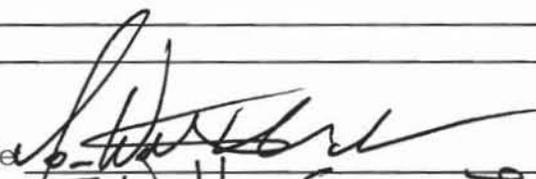
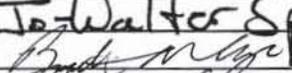
	Date/Time	Reason for Rejection
1.		None
2.		
3.		
4.		

Comments:



L. Other Comments:

- * Clay from stockpile being removed to Oaks farm
- * Injection well installation complete
No other drilling to be done at this time
- *

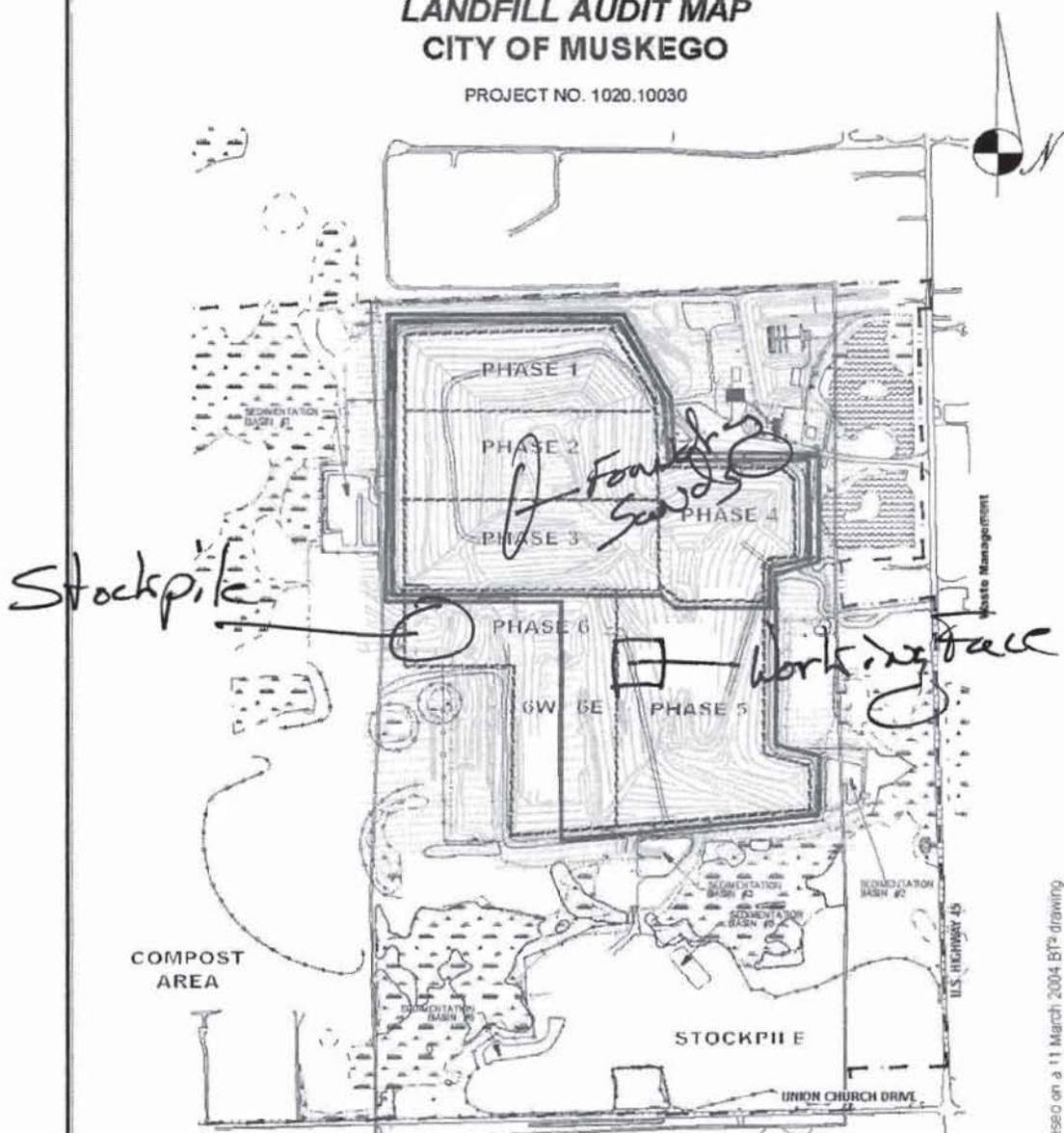
Auditor's Signature: 
Auditor's Printed Name: Joe Walter Spear, Jr
Management Signature: 
Management Printed Name: BRENT COOGAN
Management Title: ENGINEER
JSA Principal Signature: _____

Date: 4/6/08
Date: 4/5/11
Date: _____



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020.10030



January 2002
December 2008

J Spear Associates

Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

LANDFILL AUDIT MAP

based on a 11 March 2004 BTZ drawing



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes

**VEOLIA EMERALD PARK LANDFILL
AUDIT PHOTOS
CITY OF MUSKEGO**

PROJECT NO. 1012.10030



Working face



Working face

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Working face, excavator moving soils



Soil tipping on Phase 3



Temp sed basin



Active area



Working face



Excavation of previous stockpile



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

To: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 04/20/11
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of April 11, 2011. The audit was performed at 2:20 pm on **April 12, 2011** by Jo Spear Jr. in the presence of Dirk Driggett.

The following conditions were noted during this Audit of the VEPL Facility:

- Working face located in South east corner of active area
 - Soil tipped in Phase 2 & 3, asbestos tipped southwest of active area
 - Autofluff in abundance
- Leachate being discharged to MMSD
- Flare in operation during audit, no shut downs
 - ~1600 CFM
- One storm event since last audit, ~1"
 - Basins have freeboard; temporary basin still lowered
 - No odors present
- Minor litter onsite, no litter offsite, 2 pickers active
- US45 and 8 Mile Road clean, site roads dusty
- Tipping scale camera and equipment operators inspecting waste ~1400tpd
 - Random Load inspection date was 4/08/11,
- Transducer replacements in leachate wells
- Oaks back hauling clay
- Soil being places I West Slope of Phase 6 as intermediate cover
- Road to compost area nearing completion

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA EMERALD PARK LANDFILL
 LANDFILL OPERATIONS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE April 12, 2011 TIME 2:20
 Auditor on site at: Open Close

WEATHER Clear Sunny WIND N 5-10
 TEMP Maximum 54 °F Minimum 37 °F B.P. 30.12

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>2</u>	Compactor						
<u>3</u>	Dozer						
<u>2</u>	Excavator						
<u>2</u>	Haul Truck						
<u>1</u>	Water Truck						
<u>1</u>	Sweeper						
	//						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance
<u>1</u>	<u>Excavator</u>						

A. Working Face Size and Location:

Working face located in Southeast
corner of Active area. Soil tipped
in Phases 2 & 3. Asbestos being
tipped Southwest of Active Area



Cover Material:

Autofill in Abundance

B. Leachate Management:

Discharge to WMSD

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Turbines in Operation:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	NA
Engines in Operation:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	NA
Shutdowns Since Last Audit:	#	0		
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

~ 1,600 cfm

D. Surface Water Management:

Storm Events Since Last	#	1	Est. Volume	1"
-------------------------	---	---	-------------	----

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Basins have plenty of freeboard
Temp Basin lowered

E. Odor Control:

Odors Present: Onsite Offsite

Comments: No Odors

F. Special Waste Handling: storage of fingerprint samples and testing procedures

None



G. Litter Control:

Litter Present Onsite:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	
Litter Present Offsite:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	
Pickers Active:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	# 2

Comments:

Minor litter onsite

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

US 45 & B Mile Road Clean
Site Roads Dusty

I. Inspection of incoming Waste:

Scale Camera Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	1
Equipment Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	
Spotter:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:						4/8/4

Comments:

~1,400 TPD

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		
3.		
4.		

Comments:



L. Other Comments:

- * Transducer replacements in leachate wells
- * Ours Back Hauling Clay
- * Soil being placed on ~~the~~ West Slope of Phase 6 as intermediate cover
- * Road to Compost Area nearing completion

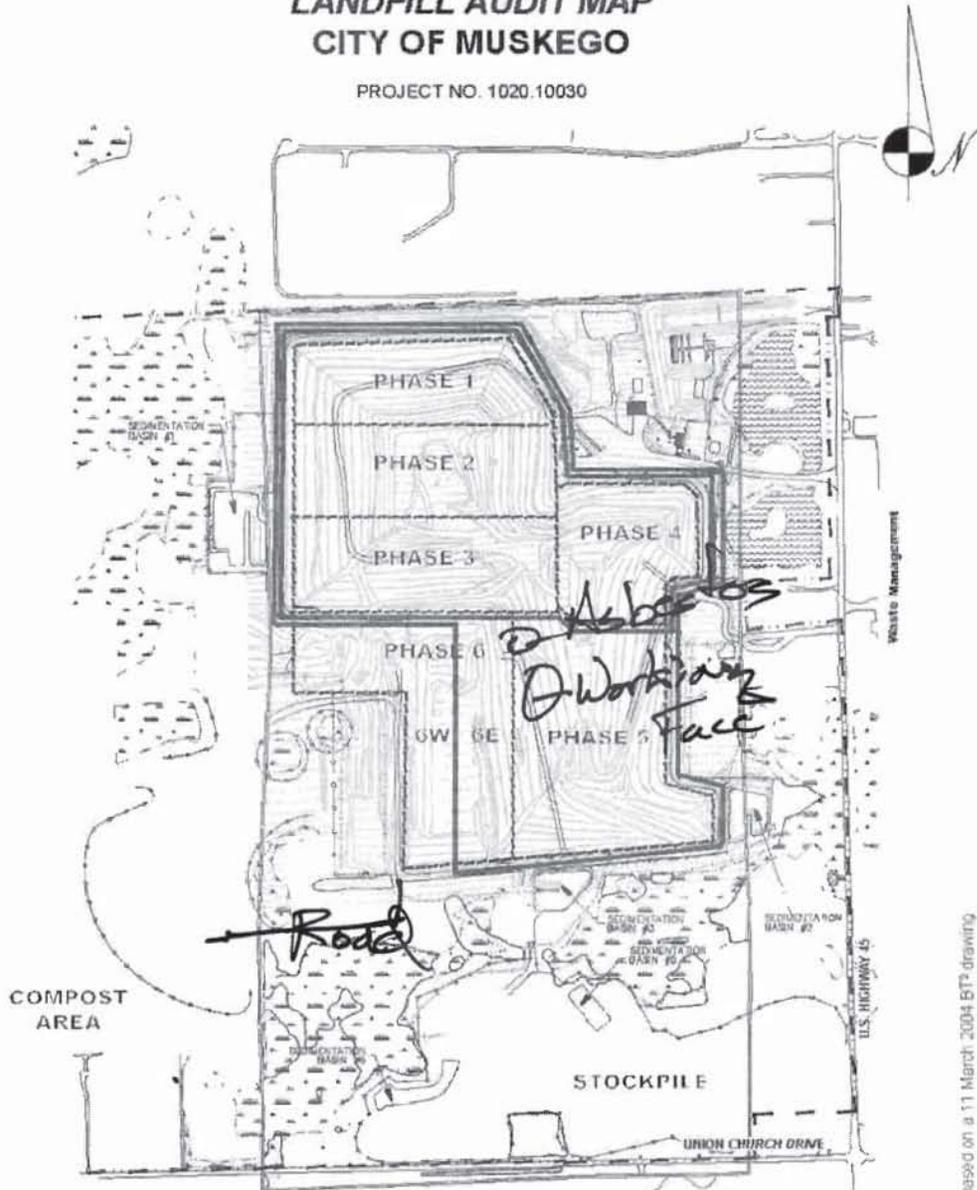
Auditor's Signature: [Signature]
Auditor's Printed Name: J. Walker Spear Jr
Management Signature: [Signature]
Management Printed Name: Donnyett ENR TECH
Management Title: _____
JSA Principal Signature: _____

Date: 4/12/11
Date: 4/12/11
Date: _____



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020.10030



based on a 11 March 2004 BT3 drawing

J Spear Associates

Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

LANDFILL AUDIT MAP



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes

**VEOLIA EMERALD PARK LANDFILL
AUDIT PHOTOS
CITY OF MUSKEGO**

PROJECT NO. 1012.10030



Injection wells in active area



Working face

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Dozer pushing waste into working face



Excavation area for expansion



Intermediate cover being spread on West slope of Phase 6



West slope of Phase 6 and new road



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

To: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 04/25/11
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of April 18, 2011. The audit was performed at 1:00 pm on **April 22, 2011** by Jo Spear Jr. in the presence of Brett Coogan.

The following conditions were noted during this Audit of the VEPL Facility:

- Working face at Northeast end of Phase 5 & 6.
 - Less than ½ acre in size; Active area clean
 - Autofluff for daily cover
- Leachate being discharged to MMSD
- Flare in operation during audit, no shut downs
 - Impeller for blower to be replaced
- Four storm event since last audit, >2"
 - Plenty of freeboard, ditches need cleaning, temp basin flooded
- No odors offsite, gas odor along new road
- Minor litter onsite along west slope, no litter offsite, 4 pickers active
- US45 shows some tracking
- Tipping scale camera and equipment operators inspecting waste
 - Random Load inspection date unknown
- Road construction completed
- Removal of east access road to working face next week

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA EMERALD PARK LANDFILL
 LANDFILL OPERATIONS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE

April 22, 2011

TIME

1:04 PM

Auditor on site at:

Open

Close

WEATHER

Raining & Overcast

WIND

E 10-15

TEMP Maximum

52

°F Minimum

40

°F

B.P.

30.05

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
2	Dozer						
	Excavator						
	Haul Truck						
	Water Truck						
	Sweeper						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face at North end of
 Phase 3 & 6. Less than 1/2 Acre inside
 Active Area Clean.



Cover Material:

Auto-luff

B. Leachate Management:

Discharge to MMSD

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	
Turbines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Engines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Shutdowns Since Last Audit:	#		0	
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Impeller for Blower to be replaced

D. Surface Water Management:

Storm Events Since Last

4

Est. Volume

72"

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Plenty of freeboard, Ditches need cleaning
Temp Basin flooded

E. Odor Control:

Odors Present:

Onsite

Offsite

Comments:

New road No odors offsite, gas odor along

F. Special Waste Handling: storage of fingerprint samples and testing procedures

None



G. Litter Control:

Litter Present Onsite:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	
Litter Present Offsite:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	
Pickers Active:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	# 4

Comments:

litter onsite only, along west slope

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

US 45 has some tracking

I. Inspection of incoming Waste:

Scale Camera Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	1
Equipment Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	2
Spotter:	YES	<input type="checkbox"/>	NO	<input type="checkbox"/>	#	
Random Load Inspection Dates:						

Comments:

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		<i>None</i>
2.		
3.		
4.		

Comments:



L. Other Comments:

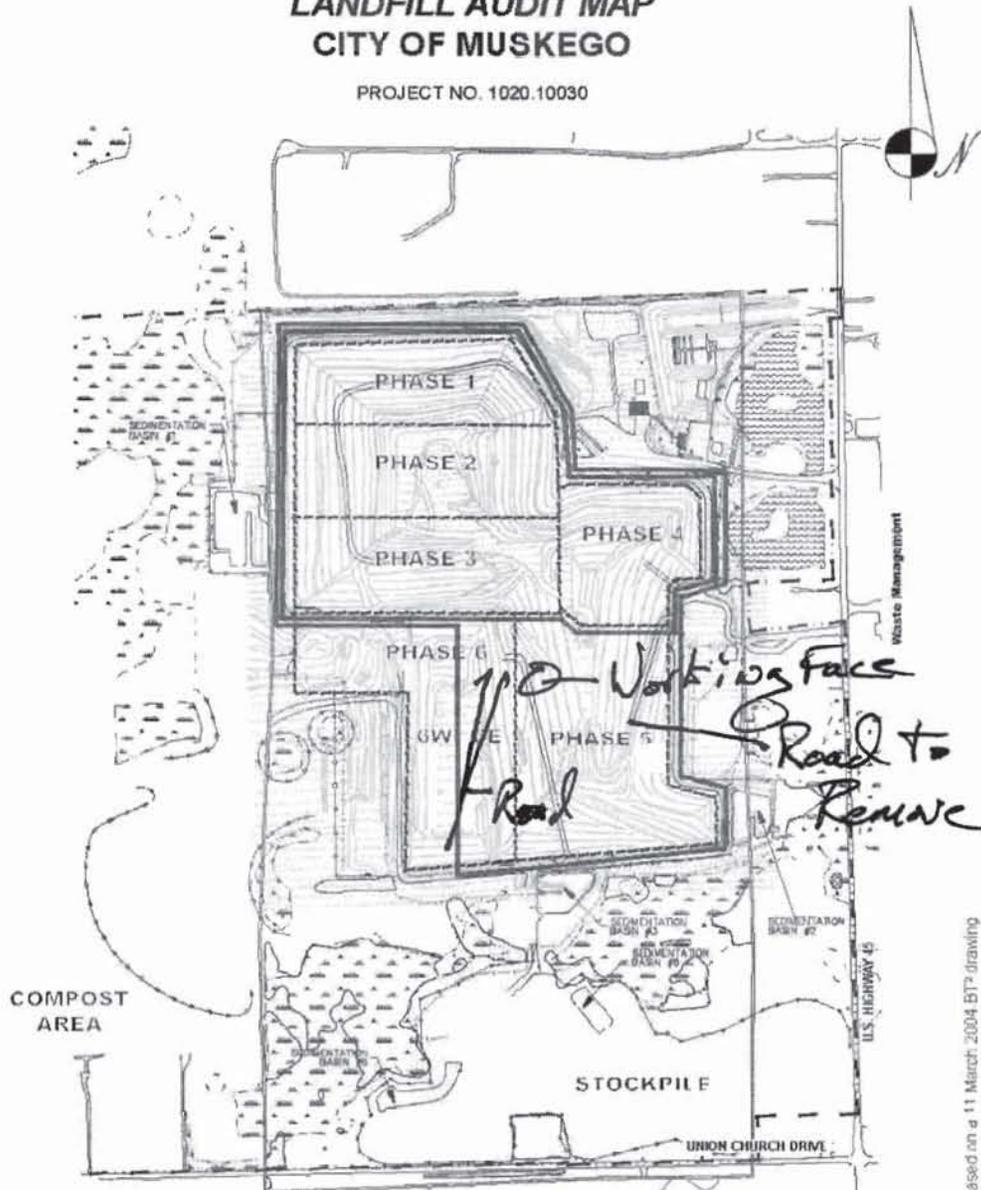
* Road construction done
* Removal of East access road to working
face next week

Auditor's Signature: [Signature] Date: 4/22/11
Auditor's Printed Name: Jo-Walter Spear, Jr
Management Signature: [Signature] Date: 4/22/11
Management Printed Name: Brian Coonan
Management Title: Region Engineer
JSA Principal Signature: _____ Date: _____



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020.10030



COMPOST
AREA

STOCKPILE

UNION CHURCH DRIVE

U.S. HIGHWAY 45

Waste Management

January 2002
December 2006

J Spear Associates

Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

LANDFILL AUDIT MAP

closed on 11 March 2004 BT7 drawing



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes

**VEOLIA EMERALD PARK LANDFILL
AUDIT PHOTOS
CITY OF MUSKEGO**

PROJECT NO. 1012.10030



West slope and temp sed basin



West slope with new road completed

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Working face, very tight conditions



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

To: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 04/25/11
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of April 25, 2011. The audit was performed at 1:00 pm on **April 28, 2011** by Jo Spear Jr. in the presence of Brett Coogan.

The following conditions were noted during this Audit of the VEPL Facility:

- Working face at Northern most end of active area, cover in excellent shape
 - Autofluff in abundance for daily cover
- Leachate being discharged to MMSD; levels to be requested on future audits
- Flare in operation during audit, no shut downs
 - ~1400 cfm
- Several storm event since last audit, >3"
 - Conditions good, basins have at least 1' of free board
- Minor odor in parking lot
- Litter controlled, greatly improved since last audit, 2 pickers active
- US45 and Entrance road gritty, all other roads in good condition
- Tipping scale camera and equipment operators inspecting waste
 - Random Load inspection date 4/27/11, ~1400tpd
- All road construction completed, contractor will return next week to remove old roads and re-use material.

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA EMERALD PARK LANDFILL
 LANDFILL OPERATIONS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE April 28, 2011 TIME 11:00
 Auditor on site at: Open Close

WEATHER Overcast WIND SE 0-5

TEMP Maximum 46 °F Minimum 35 °F B.P. 29.56

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
1	Dozer						
	Excavator						
1	Haul Truck						
	Water Truck						
	Sweeper						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face at Northern most end
of ~~the~~ Active Area. Color in
excellent shape



Cover Material

Autofill in abundance

B. Leachate Management:

Discharge to MMSD
Levels will be requested in future Audits

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Turbines in Operation:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	NA
Engines in Operation:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	NA
Shutdowns Since Last Audit:	# 0			
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

~ 1,400 g/m.

D. Surface Water Management:

Storm Events Since Last	# 50	Est. Volume	73"
-------------------------	------	-------------	-----

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Conditions good, Basins have at least 1' of freeboard

E. Odor Control:

Odors Present: Onsite Offsite

Comments: Minor odor in parking lot

F. Special Waste Handling: storage of fingerprint samples and testing procedures

None



G. Litter Control:

Litter Present Onsite:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	
Litter Present Offsite:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	
Pickers Active:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	# 2

Comments:

Litter Controlled, greatly improved since last week

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

US45 & Entrance Gritty. All other roads good

I. Inspection of incoming Waste:

Scale Camera Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	21
Equipment Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	3
Spotter:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	4/27/2011					

Comments:

~ 1,400 TPD

J. Rejected Loads:

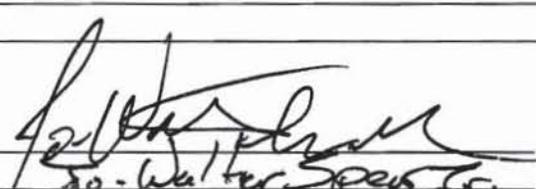
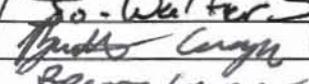
	Date/Time	Reason for Rejection
1.		None
2.		
3.		
4.		

Comments:



L. Other Comments:

* All road construction completed
Contractor will return next week to
remove old roads & re-use material

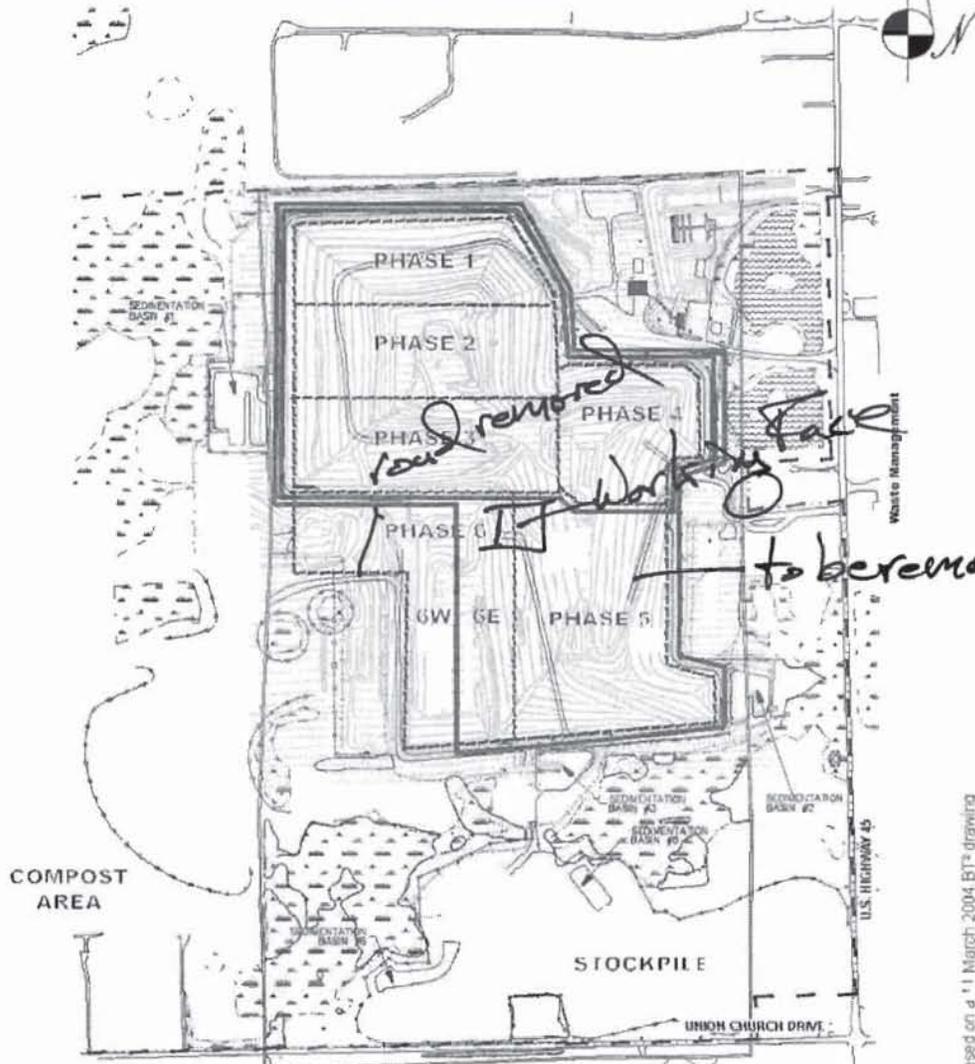
Auditor's Signature: 
Auditor's Printed Name: J. Walter Speer, Jr.
Management Signature: 
Management Printed Name: Brent Larson
Management Title: Region Engineer
JSA Principal Signature: _____

Date: 2/25/2011
Date: 4/27/11
Date: _____



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020.10030



based on a 11 March 2004 EIT* drawing

COMPOST AREA

STOCKPILE

UNION CHURCH DRIVE

U.S. HIGHWAY 45

Waste Management

J Spear Associates

Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

January 2002
December 2006

LANDFILL AUDIT MAP



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes

**VEOLIA EMERALD PARK LANDFILL
AUDIT PHOTOS
CITY OF MUSKEGO**

PROJECT NO. 1012.10030



Working face, very small



Compactor and autofluff stockpile

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Autoluff stockpiled in abundance



Temp Sed. Basin



Basin's nearly full



E-waste recyptical



May



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 05/09/11
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of May 2, 2011. The audit was performed at 4:39 pm on **May 05, 2011** by Jo Spear Jr. in the presence of Den Driggett.

The following conditions were noted during this Audit of the VEPL Facility:

- No equipment active due to after hours audit
 - Working face the start of a new lift at Northern most end of active area
 - Autofluff in abundance and cover is adequate
- Leachate being discharged to MMSD
- Flare in operation during audit, no shut downs
 - ~1650 cfm
- One storm event since last audit, >1"
 - Basins draining, drainage ditch cleaned when access road removed
- No odors
- End of day, litter under control, minor litter onsite
- US45 and Entrance road gritty, all other roads in good condition
- Tipping scale camera and equipment operators inspecting waste
 - Random Load inspection date not listed, ~1200tpd
- Access road being removed at Phase 5
- Ditch cleaning started
- Active area access through south west only
- Excavation ongoing
- Biopile treatment started in phase 3

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA EMERALD PARK LANDFILL
 LANDFILL OPERATIONS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE May 5, 2011

TIME 4:39

Auditor on site at: Open Close

WEATHER Overcast some sun

WIND S 10-18

TEMP Maximum 57 °F Minimum 44 °F

B.P. 30.08

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
	Compactor						
	Dozer						
	Excavator						
	Haul Truck						
	Water Truck						
	Sweeper						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance
<u>1</u>	<u>Compactor</u>		<input checked="" type="checkbox"/>				

A. Working Face Size and Location:

No equipment active due to after hours audit

Working face the start of a new lift at North most end of Active Area
Autofill in abundance and cover is adequate



G. Litter Control:

Litter Present Onsite:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	
Litter Present Offsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Pickers Active:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	# <i>2</i>

Comments:
End of day, litter under control

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

*US 45 & 8 Miles clean
 Site Roads clean*

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	<i>NA</i>
Equipment Operator:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	<i>NA</i>
Spotter:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	<i>NA</i>
Random Load Inspection Dates:				

Comments:
2/1/200 VFD.

J. Rejected Loads:

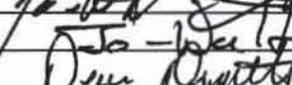
	Date/Time	Reason for Rejection
1.		<i>None</i>
2.		
3.		
4.		

Comments:



L. Other Comments:

- * Access road being removed at Phase 5
- * Ditch cleaning started
- * Active Area Access through Southwest only
- * Excavation ongoing
- * BioPile treatment started on BioPile in Phase 3

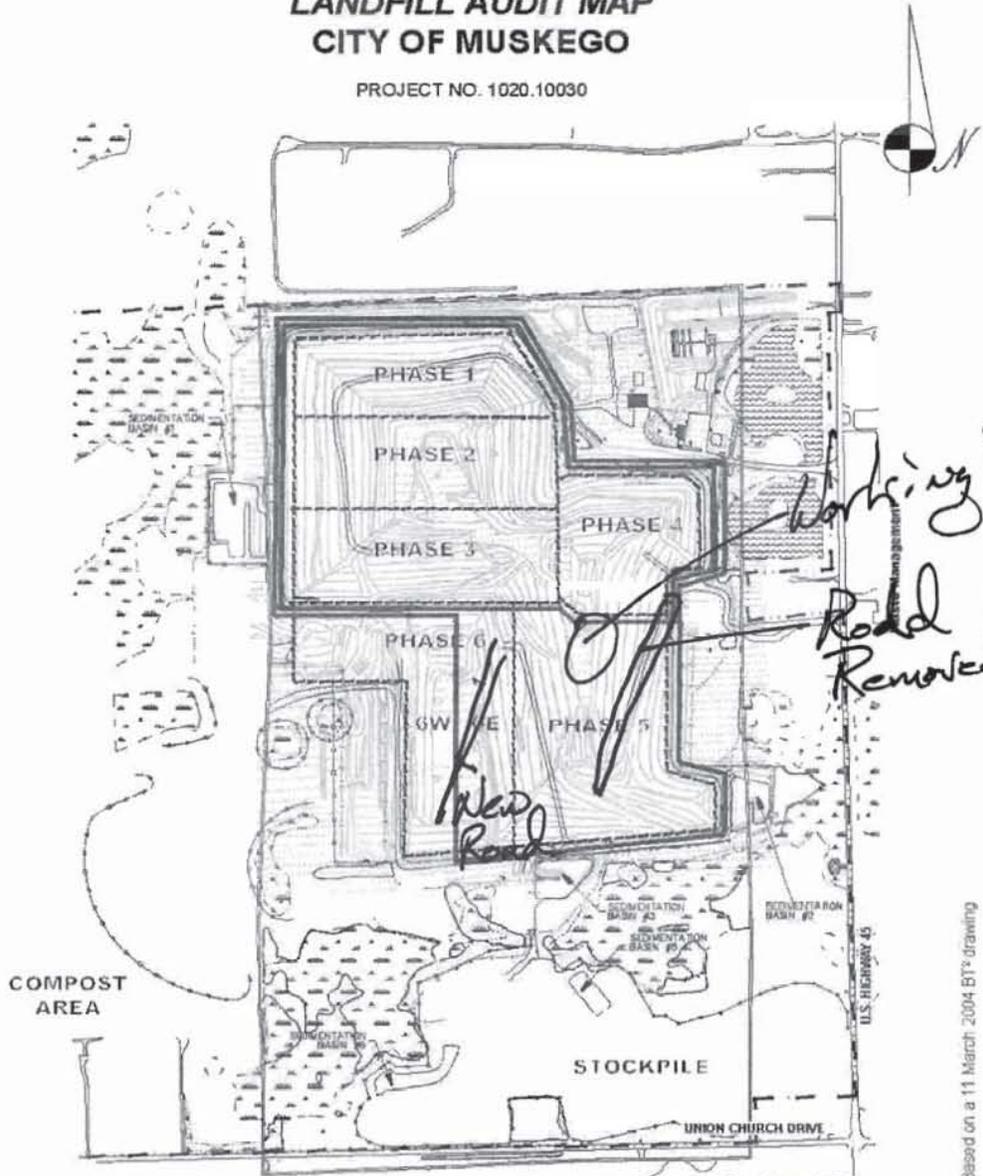
Auditor's Signature: 
Auditor's Printed Name: John - Peter Spencer Jr
Management Signature: 
Management Printed Name: DEAN DRIGGETT
Management Title: _____
JSA Principal Signature: _____

Date: 5/5/11
Date: 5/5/11
Date: _____



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020.10030



based on a 11 March 2004 8 1/2" drawing

J Spear Associates

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212

LANDFILL AUDIT MAP

January 2002
December 2008



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes

**VEOLIA EMERALD PARK LANDFILL
AUDIT PHOTOS
CITY OF MUSKEGO**

PROJECT NO. 1012.10030



Covered working face



Covered working face

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Autofluff and foundry sand stockpiles



Excavation area of Phase 7



Side slopes of Phase 6, West side



Excavation area of Phase 7



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 05/16/11
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of May 9, 2011. The audit was performed at 11:16 am on **May 13, 2011** by Jo Spear Jr. in the presence of Den Driggett.

The following conditions were noted during this Audit of the VEPL Facility:

- Working face on outboard east slope of Phase 5/6; small working face
 - Asbestos pit at south end of Phase 6
 - Autofluff and site soils for outboard slope
- Leachate being discharged to MMSD, surface application on 5/5 & 5/6
- Flare in operation during audit, no shut downs
 - ~1650 cfm, Flare still awaiting upgrade
- One storm event since last audit, >1"
 - Wet conditions, but plenty of storage in basins
- No odors
- Minor litter in active area and slope, one picker active
- US45 and 8 Mile Road
- Tipping scale camera and equipment operators inspecting waste
 - Random Load inspection date 5/12/2011, ~2000tpd
- Stormwater erosion repairs have begun
- Oaks excavating for expansion and hauling to farm

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA EMERALD PARK LANDFILL
LANDFILL OPERATIONS AUDIT FORM
CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE May 13th, 2011
Auditor on site at: Open Close

TIME 11:16

WEATHER Overcast, Windy

WIND NE 15-25

TEMP Maximum 64 °F Minimum 45 °F

B.P. 29.77

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	Compactor						
<u>2</u>	Dozer						
	Excavator						
	Haul Truck						
	Water Truck						
	Sweeper						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face on outboard, East Slope of
Phase 5/6. Small working face. Asbestos
Pit at South end of Phase 6



Cover Material:

Auto luff & soils for outboard s lap

B. Leachate Management:

Discharge to MMSD
Surface application on s/s & l

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	1		
Turbines in Operation:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	NA		
Engines in Operation:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	NA		
Shutdowns Since Last Audit:		#	0					
Vegetation Condition:	Good	<input type="checkbox"/>	Fair	<input checked="" type="checkbox"/>	Poor	<input type="checkbox"/>	Dead	<input type="checkbox"/>

Comments:

Flare still awaiting upgrade

D. Surface Water Management:

Storm Events Since Last	#	1	Est. Volume	214
-------------------------	---	---	-------------	-----

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Wet conditions, but plenty of storage in Basins

E. Odor Control:

Odors Present: Onsite Offsite

Comments: No off site odors

F. Special Waste Handling: storage of fingerprint samples and testing procedures

None



G. Litter Control:

Litter Present Onsite:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	
Litter Present Offsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Pickers Active:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	# 1

Comments:

Minor litter in active area and slope

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

us 45 & 8 Mile Road clean

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Equipment Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	3
Spotter:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	

Random Load Inspection Dates:

5/12/2011

Comments:

Waste Volume 5/12/2011 - 2,000 TPD

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		
3.		
4.		

Comments:



L. Other Comments:

* Stormwater & Erosion repairs have begun
* Lake excavation for expansion and
hauling to farm

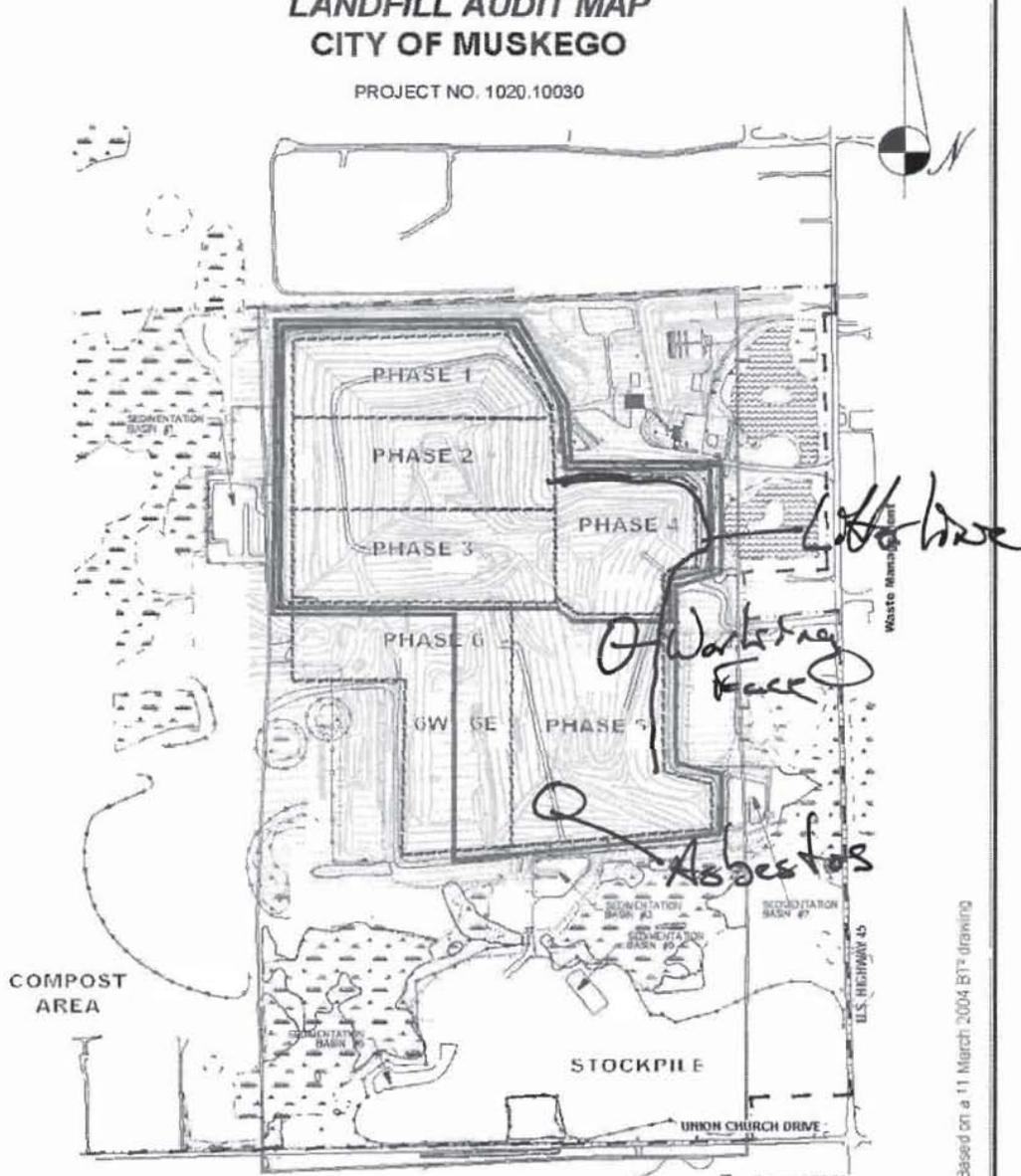
Auditor's Signature: [Signature]
Auditor's Printed Name: Jo-Walter Spear Jr.
Management Signature: [Signature]
Management Printed Name: Don Dwyett (ENGR TECH)
Management Title: _____
JSA Principal Signature: _____

Date: 5/13/2011
Date: 5/13/2011
Date: _____



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020.10030



dated on a 11 March 2004 BT* drawing

J Spear Associates

Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

January 2002
December 2008

LANDFILL AUDIT MAP



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes

**VEOLIA EMERALD PARK LANDFILL
AUDIT PHOTOS
CITY OF MUSKEGO**

PROJECT NO. 1012.10030



Covered working face



Covered working face

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Autofluff and foundry sand stockpiles



Excavation area of Phase 7



Side slopes of Phase 6, West side



Excavation area of Phase 7



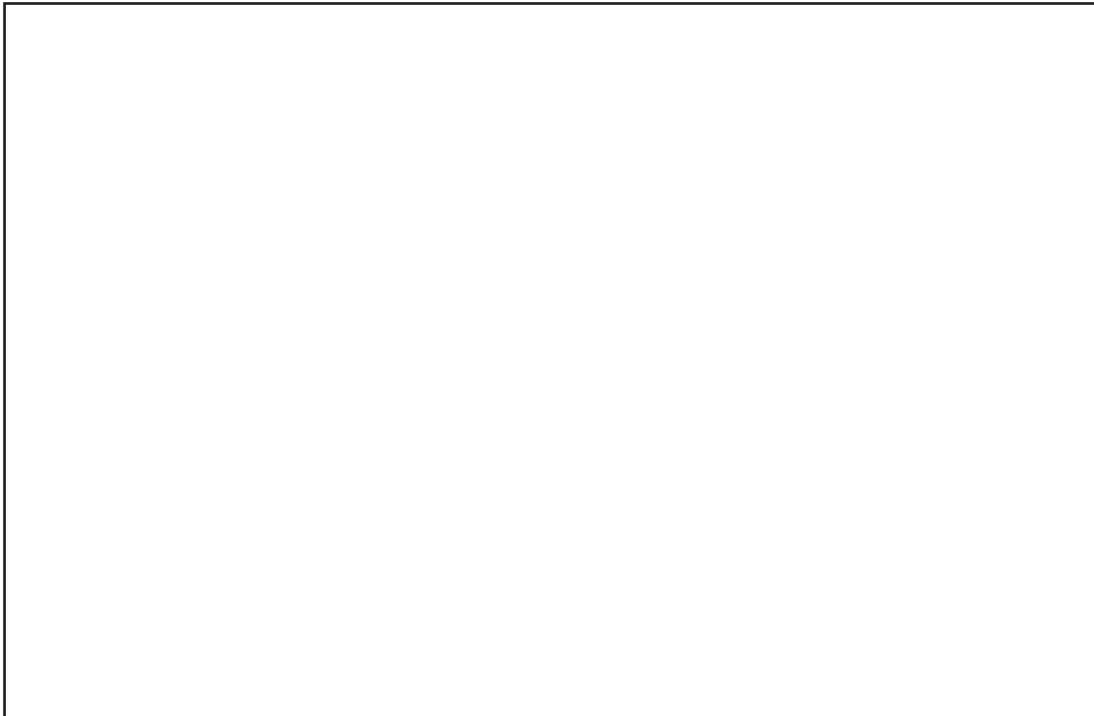
Autofluff and foundry sand stockpiles



Excavation area of Phase 7



Side slopes of Phase 6, West side





MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 05/16/11
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of May 16, 2011. The audit was performed at 3:00 pm on **May 19, 2011** by Jo Spear Jr. in the presence of Dean Driggett.

The following conditions were noted during this Audit of the VEPL Facility:

- Working face on outboard slope, area prepared for waste placement pm east slope of phase to bring to final grade
 - Autofluff and site soils for cover
- Leachate being discharged to MMSD, surface application from storage tanks
 - Leachate at maintenance levels
- Flare in operation during audit, no shut downs
 - ~1600 cfm, Blower expected next week
- Four storm events since last audit, >2"
 - Site relatively dry, basins with plenty of freeboard
 - Vegetation growing in basins
- No odors offsite, minor odors around wells and phase vault
- Minor litter on site, two picker active
- US45 and 8 Mile Road clean, some autofluff on shoulder
- Tipping scale camera and equipment operators inspecting waste
 - Random Load inspection date 5/13/2011
- Outboard slope of Phase 5 to be focus are for waste placement to bring Phase 5 to final grade for closure.

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA EMERALD PARK LANDFILL
 LANDFILL OPERATIONS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE May 19, 2011
 Auditor on site at: Open Close

TIME 3:00

WEATHER Overcast, some sun

WIND N-NW 0-10

TEMP Maximum 66 °F Minimum 48 °F

B.P. 30.01

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	Compactor						
<u>2</u>	Dozer						
<u>1</u>	Excavator						
	Haul Truck						
	Water Truck						
	Sweeper						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face on east Board slope,
area prepared for waste placement
on East Slope of Phase to bring to
final grade



G. Litter Control:

Litter Present Onsite:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	Mixer
Litter Present Offsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Pickers Active:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	# 2

Comments:

Some litter onsite in trees

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

us 45 / 8 Mile Road Clean, some auto luff on shoulder

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	
Equipment Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	5/13/2001			

Comments:

~

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		
3.		
4.		

Comments:



L. Other Comments:

* Out board slope of phase 5 to be focus area for waste placement to bring Phase 5 to final grade for closure.

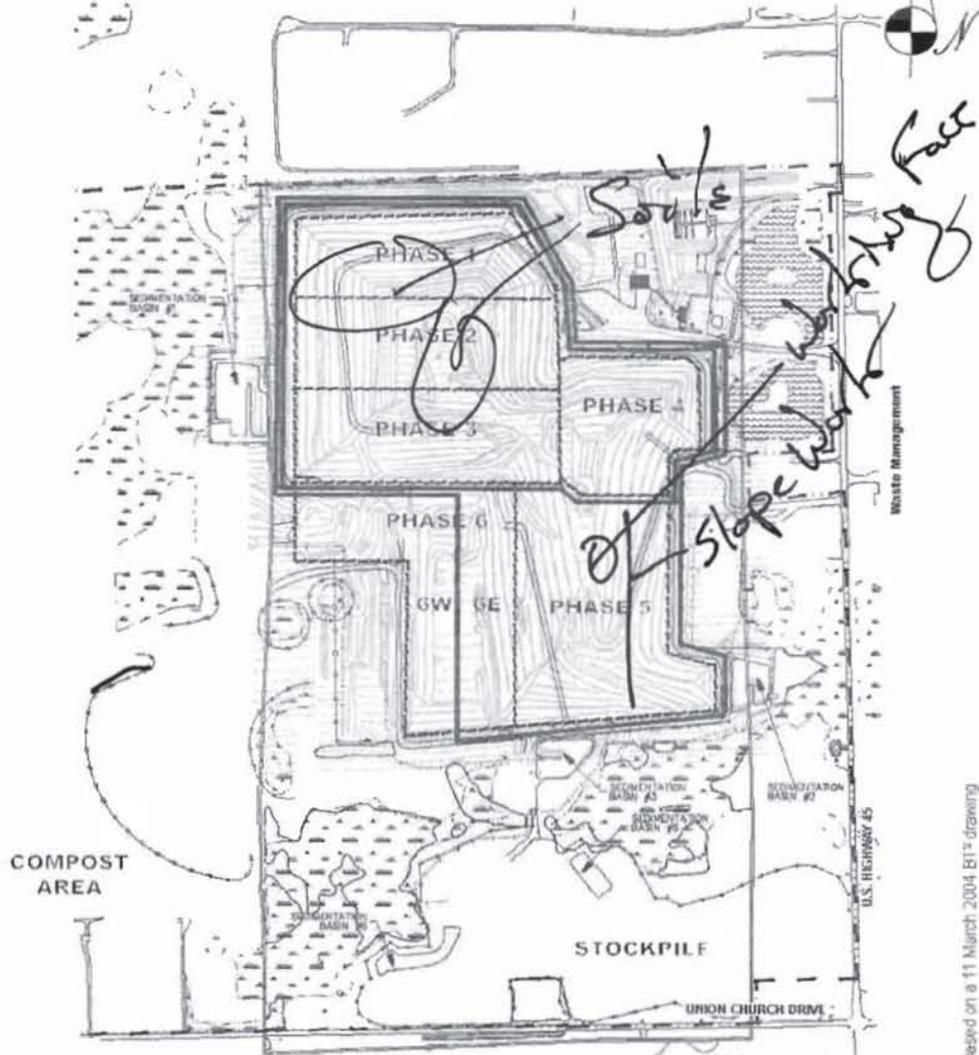
Auditor's Signature: [Signature]
Auditor's Printed Name: Tom Walter Spear Jr
Management Signature: [Signature]
Management Printed Name: Dem Almynt ENG TECH
Management Title: _____
JSA Principal Signature: _____

Date: 5/19/11
Date: 5/19/11
Date: _____



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020.10030



revised on a 11 March 2004 B1's drawing

COMPOST AREA

Slope

Face

J Spear Associates

Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

January 2002
December 2006

LANDFILL AUDIT MAP



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes

**VEOLIA EMERALD PARK LANDFILL
AUDIT PHOTOS
CITY OF MUSKEGO**

PROJECT NO. 1012.10030



East slope of Phase 5 being prepared for receiving additional waste to bring grades to final



Truck turn and South end of active area

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Active Area



Cleanout area on West side of Active Area



Previous working face, covered with autofluff



Crew connecting gas wells to the header



Excavation area for expansion



Pickers active in Phase 6W/7



Basins have plenty of freeboard, but require maintenance for depth and condition of side slopes



Silt and woody vegetation in Basins



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego

FROM: Anna Krajcik

COPIES: File

DATE: 05/16/11

PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of May 16, 2011. The audit was performed at 1:00 pm on **May 26, 2011** by Jo Spear Jr. in the presence of Dean Driggett.

The following conditions were noted during this Audit of the VEPL Facility:

- Working face on outboard east slope of Phase 5 above 1000 foot distance from US 45; working face small
 - Autofluff stockpiled during audit, plenty available
 - Heavy litter on working face
- Leachate being discharged to MMSD, low volume
- Flare in operation during audit, no shut downs
 - ~1700 cfm, shutdown planned for 5/27/2011
- Two storm events since last audit, >2"
 - Basins have free board, temp sed basin nearly dry
- No odors offsite, minor odors at south end of site
- Minor litter on site, four pickers very active due to winds
- US45 and 8 Mile Road clean
- Tipping scale camera and equipment operators inspecting waste
 - Random Load inspection date 5/26/2011, ~1300tpd
- New gas wells online increasing destruct volume
- Gas volume destruct values expected to rise with blower upgrade
-

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos



June



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

To: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 6/23/11
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of May 30, 2011. The audit was performed at 1:25 pm on **June 1, 2011** by Jo Spear Jr. in the presence of Dean Driggett.

The following conditions were noted during this Audit of the VEPL Facility:

- Working face on outboard slope of Phase 5, above 1000' mark from US 45
 - Soil being tipped in Phase 2/3
 - Autofluff stockpiles onsite
- Leachate being discharged to MMSD, headwells at maintenance levels
- Flare in operation during audit, half day shutdown for blower improvement
 - ~1800 cfm,
- Two storm events since last audit, >2"
 - Rain event over holiday weekend
- No odors
- Litter under control
- US45 gritty with some Autofluff debris in ditches or on the side of the road
- Tipping scale camera and equipment operators inspecting waste
 - Random Load inspection date 5/28/2011, ~1700tpd
- Oaks excavating for expansion, trucks appear slightly overloaded
- Flare improvements done

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA EMERALD PARK LANDFILL
LANDFILL OPERATIONS AUDIT FORM
CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE June 7, 2011
Auditor on site at: Open Close

TIME 1:28

WEATHER Clear, Sunny

WIND N 10-15 (gust)

TEMP Maximum 76 °F Minimum 50 °F

B.P. 30.15

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	Compactor						
<u>2</u>	Dozer						
	Excavator						
	Haul Truck						
	Water Truck						
	Sweeper						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face on outboard slope of Phase
5, Above 100' Mark from US 45.
Soils being tipped in Phase 2 & 3



Cover Material:

Austfly

B. Leachate Management:

Discharge to MMSD, headwells at Maintenance

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	
Turbines in Operation:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	NA
Engines in Operation:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	NA
Shutdowns Since Last Audit:	#			
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Half day shutdown for blower improvement
~1,800 gm

D. Surface Water Management:

Storm Events Since Last	# 2	Est. Volume	~24
-------------------------	-----	-------------	-----

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Rain events over weekend Holiday

E. Odor Control:

Odors Present: Onsite Offsite

Comments: No offsite odors

F. Special Waste Handling: storage of fingerprint samples and testing procedures

None



G. Litter Control:

Litter Present Onsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Litter Present Offsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Pickers Active:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	# 5

Comments:

Litter under control

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

US45 is gritty with some auto leaf debris in ditches on the side of the road.

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	# 1
Equipment Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#
Random Load Inspection Dates:	5/29/2011		

Comments:

~ 1,700 TPD, probably up there to 200/day

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		
3.		
4.		

Comments:



L. Other Comments:

* Oats excavating for expansion. Trucks appear minorly overloaded.
* Floor improvements done

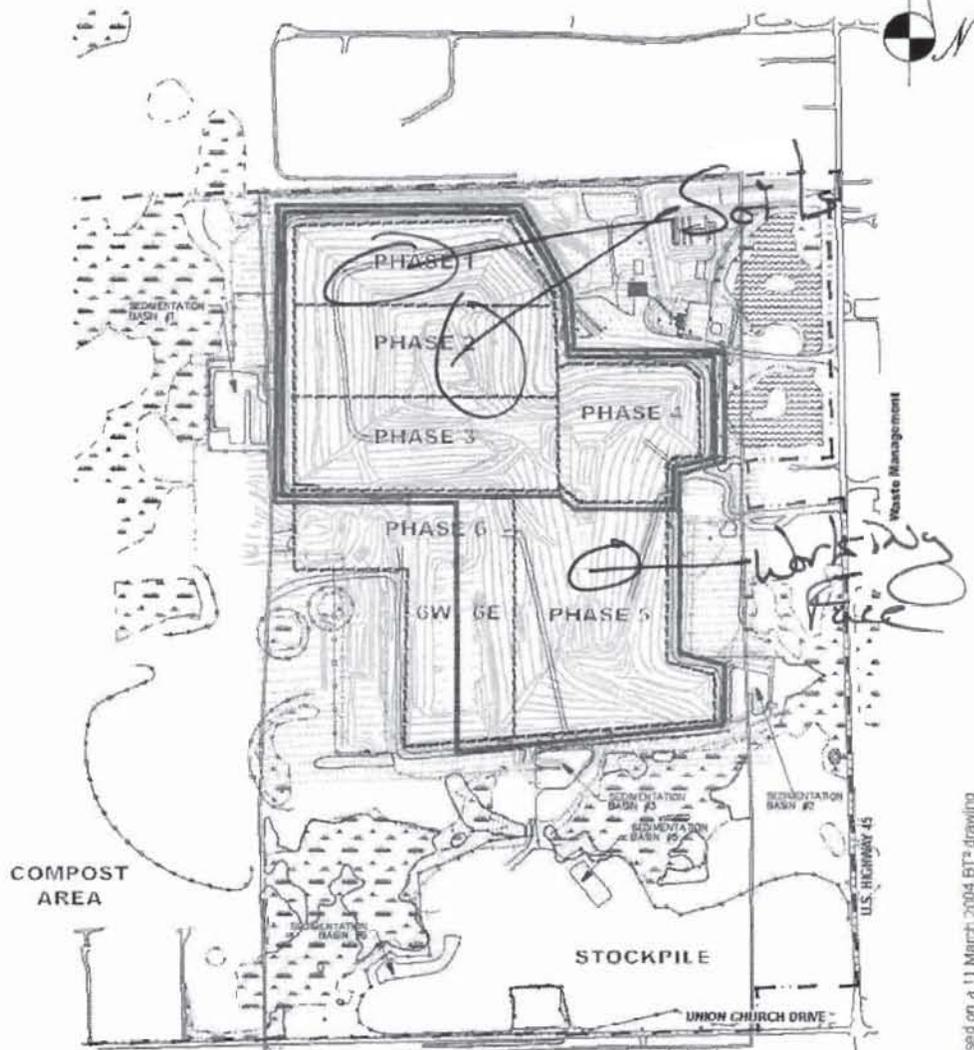
Auditor's Signature: [Signature]
Auditor's Printed Name: Jo-Walter Speer, Jr.
Management Signature: [Signature]
Management Printed Name: Devin Ruppitt (ENER TECH)
Management Title: _____
JSA Principal Signature: _____

Date: 6/1/2011
Date: 6/1/2011
Date: _____



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020.10030



based on a 11 March 2004 BT* drawing

J Spear Associates

Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

LANDFILL AUDIT MAP



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes

**VEOLIA EMERALD PARK LANDFILL
AUDIT PHOTOS
CITY OF MUSKEGO**

PROJECT NO. 1012.10030



Working face viewed from above



Active Area

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



South end of Active Area



Active area



Temp Sed. Basin nearly dry



Excavation area for expansion



Working face viewed from below



Compactor pushing waste into place and compacting placement. East slope of Phase 5



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

To: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 6/23/11
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of June 6, 2011. The audit was performed at 1:45pm on **June 10, 2011** by Jo Spear Jr. in the presence of Dean Driggett.

The following conditions were noted during this Audit of the VEPL Facility:

- Working face on east slope of Phase 5 toward US 45
 - Some litter and flagging on slope of Phase 5
 - Soils tipped in Phase 2&3
 - Autofluff stockpiles onsite
- Leachate being discharged to MMSD, photos taken of system
- Flare shutdown due to power outage on 6/8/2011
 - ~1850 cfm,
- Two storm events since last audit, >2"
 - Basins and ditch lines need cleaning, 90 day notice for erosion repairs given
- No odors
- Litter onsite being picked, three pickers active
- US45 dusty with tracking
- Tipping scale camera and equipment operators inspecting waste
 - Random Load inspection date 6/10/2011, ~2000tpd
- Construction bids being received for expansion excavation
- Repair on closed section of Phase 2 west slope

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA EMERALD PARK LANDFILL
LANDFILL OPERATIONS AUDIT FORM
CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE June 10, 2011
Auditor on site at: Open Close

TIME 1:45

WEATHER Overcast & Calm

WIND Nil

TEMP Maximum 57 °F Minimum 52 °F

B.P. 30.01

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
	Dozer						
	Excavator						
	Haul Truck						
	Water Truck						
	Sweeper						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face on East Slope of Phase 5
Toward US45. Some flagging and/or
litter on slope of Phase 5.
Sails being tipped in Phase 2 & 3



Cover Material:

Autofluff stack piles on site

B. Leachate Management:

Discharge to MMSD, Photos taken of System

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Turbines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Engines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Shutdowns Since Last Audit:	# 1 - 6/8/2011			
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Flare shut down due to Power outage ~ 1,850 gpm

D. Surface Water Management:

Storm Events Since Last	# 2	Est. Volume	~ 2"
-------------------------	-----	-------------	------

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Basins need cleaning as due ditch lines

90 day notice for erosion repairs

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

No odors on or off site

F. Special Waste Handling: storage of fingerprint samples and testing procedures

None



G. Litter Control:

Litter Present Onsite:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	
Litter Present Offsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Pickers Active:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	# 3

Comments:

Litter onsite being picked

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

US 45 dusty with tracking

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Equipment Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	3
Spotter:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	
Random Load Inspection Dates: 6/10/2011				

Comments:

~ 3000 TPD

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		
3.		
4.		

Comments:



L. Other Comments:

* Construction Bids being received for expansion excavations.
* Repairs on closed sections on Phase 2 West Slope

Auditor's Signature: [Signature] Date: 6/10/2011
Auditor's Printed Name: Jo-Walter Spear, Jr
Management Signature: [Signature] Date: 6/10/2011
Management Printed Name: ENVIRTECH
Management Title: _____
JSA Principal Signature: _____ Date: _____



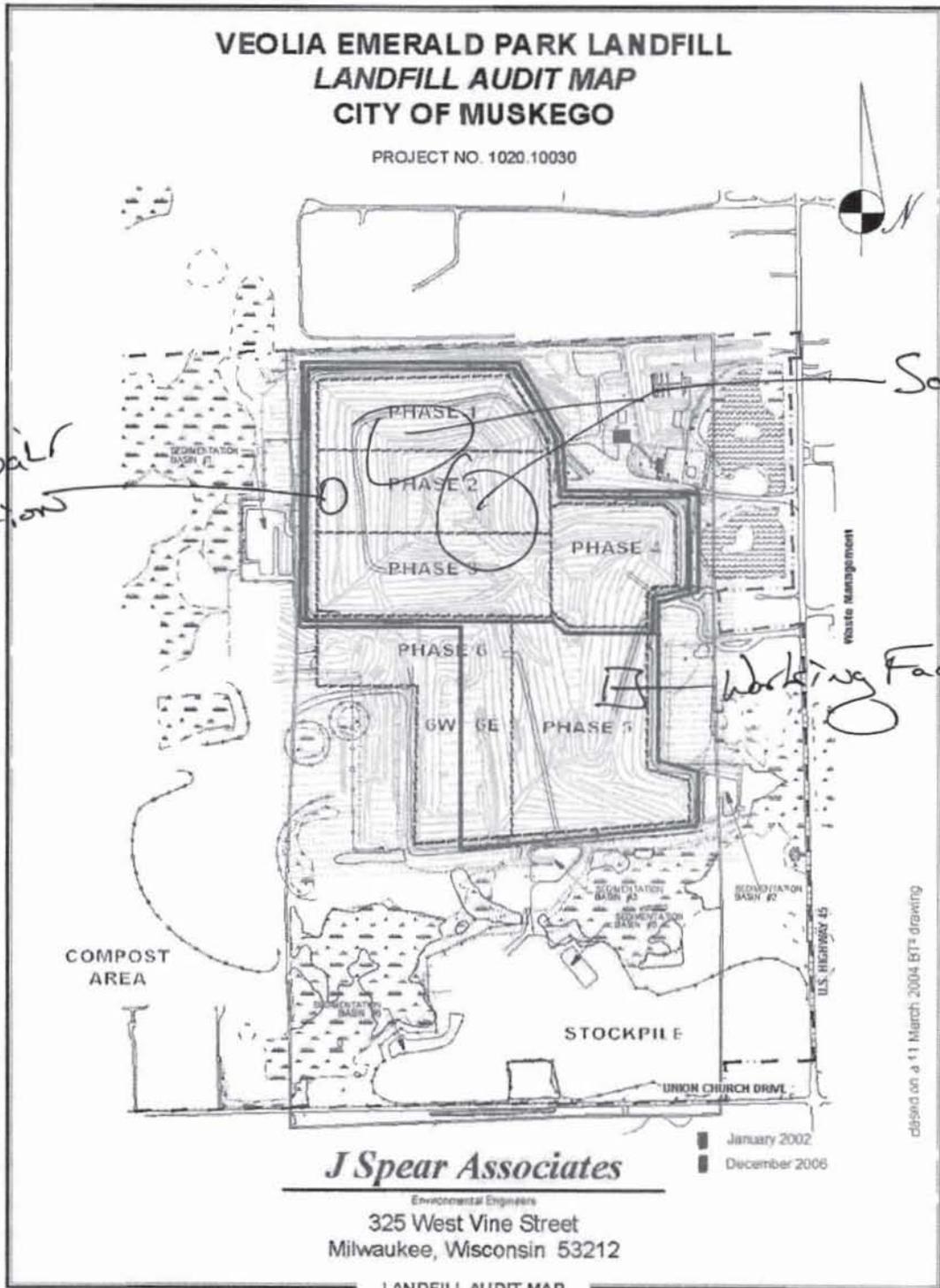
**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020.10030

Repair Location

Soils

Working Face



dated on 11 March 2004 BT+ drawing

J Spear Associates

Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

LANDFILL AUDIT MAP



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes

**VEOLIA EMERALD PARK LANDFILL
AUDIT PHOTOS
CITY OF MUSKEGO**

PROJECT NO. 1012.10030



Sampling well for Leachate discharged to MMSD



Working face on East slope of Phase 5

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Wet Well owned and operated by City of Muskego



Active area viewed, West slope of Phase 6



Active area viewed from Northwest



West slope Phase 6, greening nicely.



West slope of Phase 6W, Southern end



West slope of Phase 6W, Northern end



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

To: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 06/23/11
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of June 15, 2011. The audit was performed at 10:10 am on **June 15, 2011** by Jo Spear Jr. in the presence of Dan Driggett.

The following conditions were noted during this Audit of the VEPL Facility:

- Working face for MSW on east slope of Phase 5; working small and tight, set beyond 1000', set back from US45
 - Earth work on slope to prepare for screening berm of future working face
 - West slope of Phase 6, cover is rough, flagging and litter present
 - Autofluff and site soils for cover; abundance of both
- Leachate being discharged to MMSD; sumps at maintenance level
- Flare in operation during audit, no shut downs; ~1800 cfm
- One storm event since last audit
 - Storm events expected for today, basins and ditches need cleaning
- No offsite odors
- Litter on exterior of site, three pickers active
- US45 northbound muddy in outer lane, other lanes clean
- Tipping scale camera and equipment operators inspecting waste ~1800tpd
 - Random Load inspection date was 6/15/11
- No attendant at construction entrance; entrances closed and locked at end of audit

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA EMERALD PARK LANDFILL
LANDFILL OPERATIONS AUDIT FORM
CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE June 15, 2011
Auditor on site at: Open Close

TIME 10:10

WEATHER Overcast, raining prior to Audit

WIND S 15-25

TEMP Maximum 61 °F Minimum 55 °F

B.P. 29.78

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	Compactor						
<u>2</u>	Dozer						
	Excavator						
	Haul Truck						
	Water Truck						
	Sweeper						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face for MSW on East Slope of Phase 3. Working small and tight, set beyond 1000' Set Back from US 45
Earth work on slope to prepare for screening berm of future working face
West slope of Phase 6, cover is rough, flagging and litter



Cover Material:

Autofluff and site soils
Abundance of both

B. Leachate Management:

Discharge to MMSD
Sumps at Maintenance levels

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Turbines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Engines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Shutdowns Since Last Audit:	#			
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

No shutdowns
~ 1,800 gfm

D. Surface Water Management:

Storm Events Since Last	# 1	Est. Volume	
-------------------------	-----	-------------	--

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Storm events expected for today
Basins & Ditches need cleaning

E. Odor Control:

Odors Present: Onsite Offsite

Comments: No offsite odors

F. Special Waste Handling: storage of fingerprint samples and testing procedures

None



G. Litter Control:

Litter Present Onsite:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	
Litter Present Offsite:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	
Pickers Active:	YES	<input type="checkbox"/>	NO	<input type="checkbox"/>	# 3

Comments:

Litter on exterior of site

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

US 45 North Bounded muddy in outer lane
other lanes clean

I. Inspection of incoming Waste:

Scale Camera Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#		
Equipment Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#		
Spotter:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#		
Random Load Inspection Dates:	6/15/11						

Comments:

~ 1,800 YPD

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		
3.		
4.		

Comments:



L. Other Comments:

* No attendant at Construction Entrance
~~locked~~ Closed and locked at end of audit

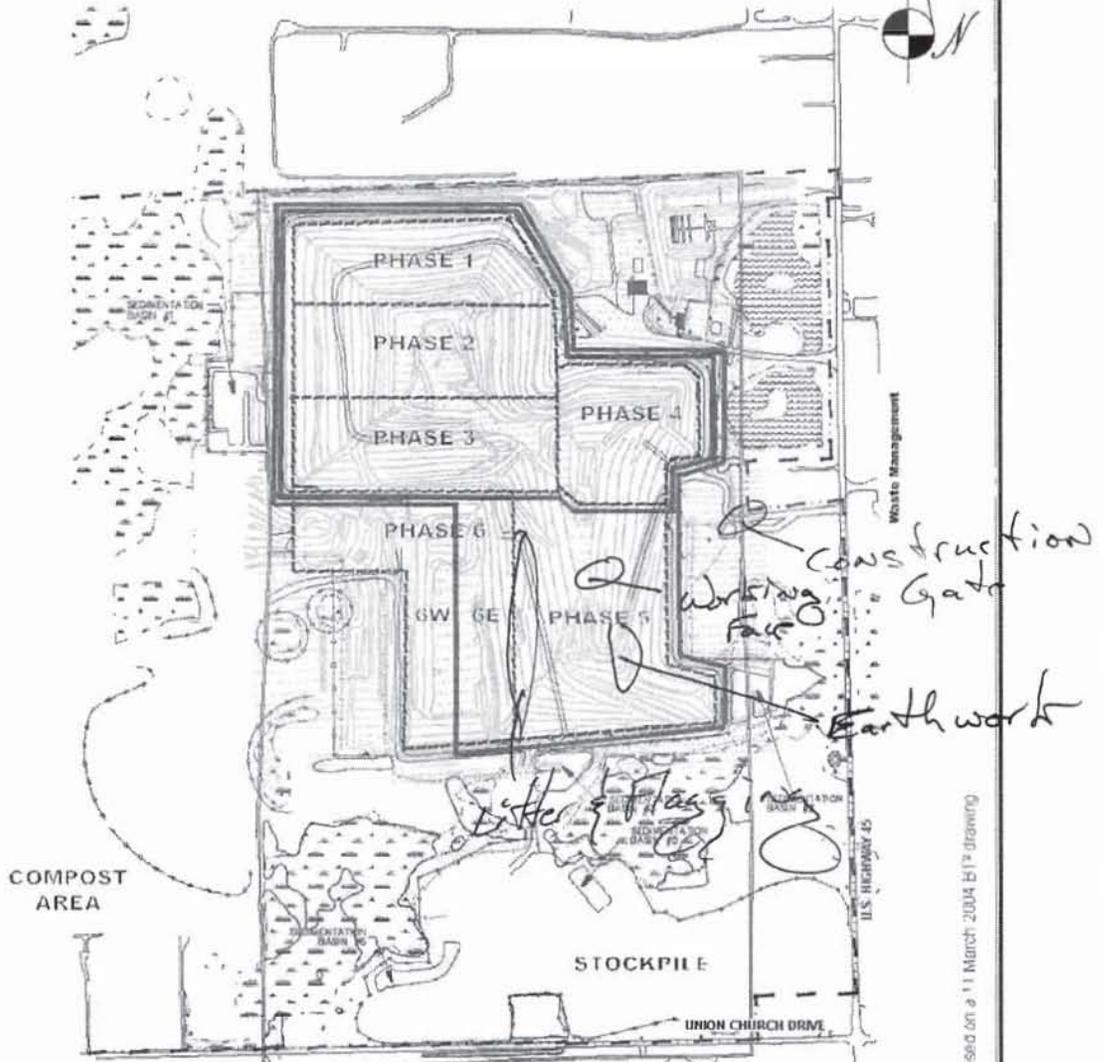
Auditor's Signature: [Signature]
Auditor's Printed Name: Alto-walter Spear Jr
Management Signature: [Signature]
Management Printed Name: DEAN DRIGGETT
Management Title: _____
JSA Principal Signature: _____

Date: 6/15/11
Date: 6/15/11
Date: _____



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020.10030



class on 11 March 2004 B1* drawing

COMPOST AREA

STOCKPILE

UNION CHURCH DRIVE

January 2002
December 2006

J Spear Associates

Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

LANDFILL AUDIT MAP



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes

**VEOLIA EMERALD PARK LANDFILL
AUDIT PHOTOS
CITY OF MUSKEGO**

PROJECT NO. 1012.10030



Compactor in working face



Dozer developing screening berm

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Lower slope of Phase 6W, West slope



West slope of Phase 5W



South end of Active area



Previous cover and clean out area in Active area



West slope of Phase 6W; tracking and litter in active area



Temp Sed Basin are, West slope of Phase 6W



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

To: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 06/23/11
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of June 20, 2011. The audit was performed at 11:45 am on **June 22, 2011** by Jo Spear Jr. in the presence of Dan Driggett.

The following conditions were noted during this Audit of the VEPL Facility:

- Working face at south end of Phase 5 between higher lifts to protect from wind
 - Lots of litter in active area
 - Autofluff and sit soils for cover, Autofluff tipped during audit
- Leachate being discharged to MMSD
- Flare in operation during audit, shutdown on 6/21/11 due to power outage; ~1800 cfm
- Several storm events since last audit, ~3"
 - Basins have free board and in need of cleaning
- No offsite odors
- High winds spreading litter
 - new fences both permanent and mobile catching litter
- US45 and 8 Mile Road clean except for WMWI Entrance
- Tipping scale camera and equipment operators inspecting waste ~2000tpd
 - Random Load inspection date was 6/17/11
- Old litter fences repaired and new fences placed

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA EMERALD PARK LANDFILL
 LANDFILL OPERATIONS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE June 22, 2011
 Auditor on site at: Open Close

TIME 11:45

WEATHER Overcast w/ Sun, Lots of weather changes

WIND S 15-25

TEMP Maximum 72 °F Minimum 60 °F

B.P. 29.55

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
2	Dozer						
	Excavator						
	Haul Truck						
	Water Truck						
	Sweeper						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face at South end of Phase 5
Between higher lifts to protect from the
wind.
Lots of litter in Active area,



Cover Material:

Autofluff + Site Soils

Autofluff being tipped during Audit

B. Leachate Management:

Discharge to MMSD

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	1
Turbines in Operation:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	NA
Engines in Operation:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	NA
Shutdowns Since Last Audit:	#	6/21/11 Power Out				
Vegetation Condition:	Good	<input checked="" type="checkbox"/>	Fair	<input type="checkbox"/>	Poor	<input type="checkbox"/>
					Dead	<input type="checkbox"/>

Comments:

~ 1,800 CFM

D. Surface Water Management:

Storm Events Since Last	# Many	Est. Volume	25"
-------------------------	--------	-------------	-----

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Basins have freeboard & need cleaning

E. Odor Control:

Odors Present:

Onsite	<input type="checkbox"/>	Offsite	<input type="checkbox"/>
--------	--------------------------	---------	--------------------------

Comments:

No off site odors

F. Special Waste Handling: storage of fingerprint samples and testing procedures

None



G. Litter Control:

Litter Present Onsite:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	
Litter Present Offsite:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	
Pickers Active:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#

Comments:

High winds spreading litter. New fences both permanent & movable catching litter

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

US 45 1/2 Mile (near) except for WMWI Entrance

I. Inspection of incoming Waste:

Scale Camera Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#
Equipment Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#
Spotter:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#
Random Load Inspection Dates:	6/17/2011				

Comments:

~ 2,000 TPD

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		
2.		
3.		
4.		None

Comments:



L. Other Comments:

* New litter fences & repaired fences in use.

*

Auditor's Signature: _____
Auditor's Printed Name: _____
Management Signature: _____
Management Printed Name: _____
Management Title: _____
JSA Principal Signature: _____

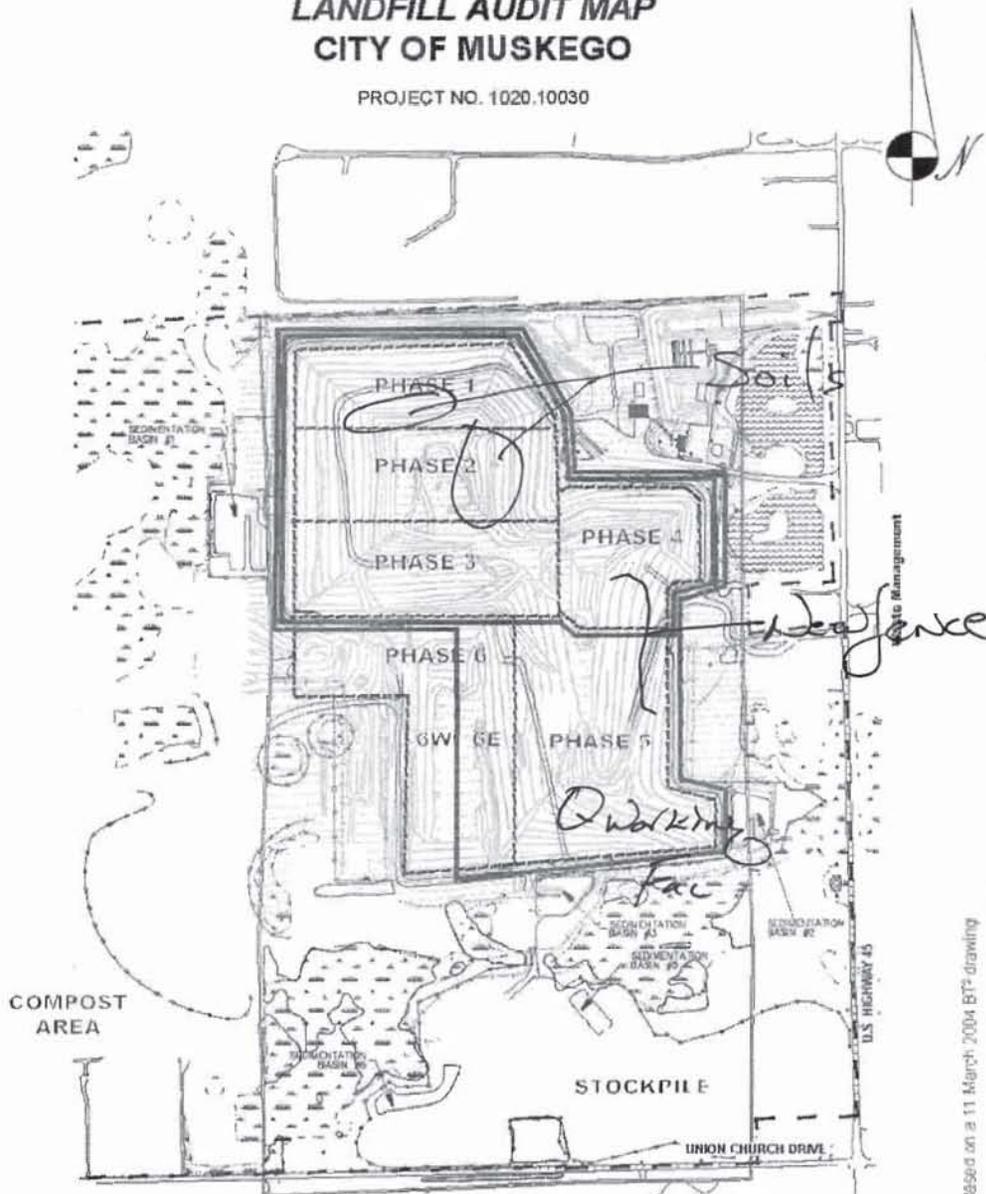
[Handwritten Signature]
Ag-Walter Spear Sr
Dean Driggett
DEAN DRIGGETT

Date: 6/22/11
Date: 6/22/11
Date: _____



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020.10030



January 2002
December 2008

based on a 11 March 2004 BTZ drawing

J Spear Associates

Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

LANDFILL AUDIT MAP



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes

VEOLIA EMERALD PARK LANDFILL AUDIT PHOTOS CITY OF MUSKEGO

PROJECT NO. 1012.10030



New mobile litter fence with attachments for dragging with dozer blades



New mobile litter fences and repaired existing fences

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Compactor above working face



East slope of Phase 5, note new litter fence at grass edge



Diversion berm over closed section of Phase 3



Temp Sed basin at base of Phase 6W, West slope



Temp Sed Basin, discoloring due to compost on slopes



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 07/28/11
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of June 27, 2011. The audit was performed at 12:05 pm on **June 30, 2011** by Jo Spear Jr. in the presence of Dan Driggett.

The following conditions were noted during this Audit of the VEPL Facility:

- Working face at south end of active area receiving loads above and below
 - Some cats in active area side slopes to provide jumpers to wells for gas collection
 - To be backfilled when material dries today
 - Autofluff in abundance for cover, Autofluff tipped during audit
- Leachate being discharged to MMSD, low volumes
- Flare in operation during audit, ~1750 CFM
- One storm event since last audit, 1"
 - Basins nearly dry, woody growth still present
- No odors during audit
- Litter under control
- US45 and 8 Mile Road clean, site roads dusty
 - water truck active during audit
- Tipping scale camera and equipment operators inspecting waste ~1900tpd
 - Random Load inspection date was 6/30/11
- Oaks constructing cover over east slope of Phase 5
- Leachate panels will have timers installed for pump controls

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA EMERALD PARK LANDFILL
LANDFILL OPERATIONS AUDIT FORM
CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE June 30, 2011
Auditor on site at: Open Close

TIME 12:05

WEATHER Sunny, dry, possible showers WIND S 10-15

TEMP Maximum 87 °F Minimum 69 °F B.P. 30.06

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
1	Dozer						
1	Excavator						
	Haul Truck						
1	Water Truck						
	Sweeper						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face at South end of Active area
receiving loads above & below. Some cuts in
active area side slopes to provide jumpers
to wells for gas collection. To be back filled
when material dries today



Cover Material:

Auto fluff in abundance, being delivered during Audit

B. Leachate Management:

Leachate discharge to MMSD, very low volumes

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	
Turbines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Engines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Shutdowns Since Last Audit:	# 0			
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

~ 1750 cfm being destructed

D. Surface Water Management:

Storm Events Since Last	#	1	Est. Volume	,"
-------------------------	---	---	-------------	----

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Basins: Nearly dry, weeds growth still present

E. Odor Control:

Odors Present: Onsite Offsite

Comments: No odors present during audit

F. Special Waste Handling: storage of fingerprint samples and testing procedures

None



G. Litter Control:

Litter Present Onsite:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	
Litter Present Offsite:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	
Pickers Active:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	# 2

Comments:

Litter under control

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

US 45 & 2 mile roads clean
Site roads dusty, water truck active during Audit

I. Inspection of incoming Waste:

Scale Camera Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	
Equipment Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	2
Spotter:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	<u>6/30/2011</u>					

Comments:

~ 1,900 TPD

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		
2.		
3.		
4.		<u>None</u>

Comments:



L. Other Comments:

* Cuts constructing cover over East slope
of Phase 5
* Leachate panels will have timers installed
for pump controls.

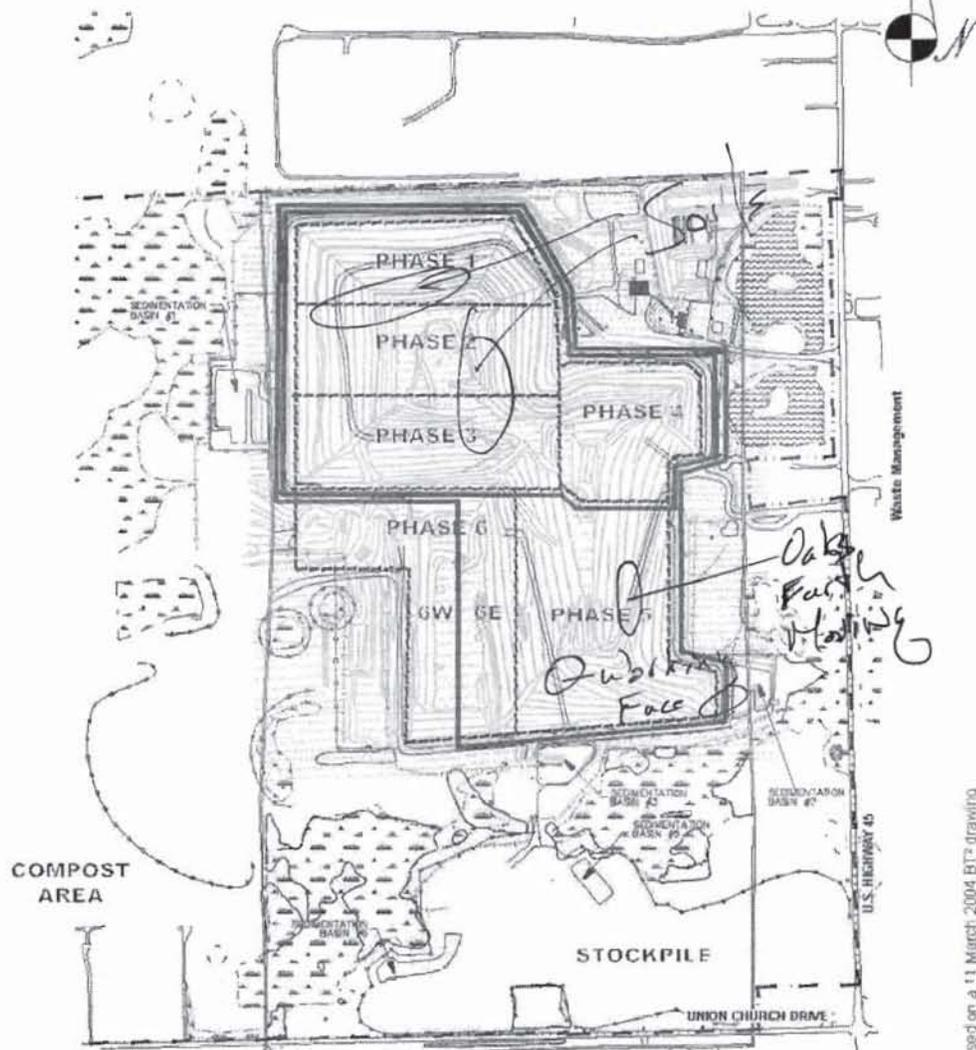
Auditor's Signature: [Signature]
Auditor's Printed Name: _____
Management Signature: [Signature]
Management Printed Name: DEAN DRIGGETT
Management Title: _____
JSA Principal Signature: _____

Date: 6/30/2011
Date: 6/30/2011
Date: _____



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020.10030



based on a 11 March 2004 BT-7 drawing

J Spear Associates

Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

LANDFILL AUDIT MAP



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes

**VEOLIA EMERALD PARK LANDFILL
AUDIT PHOTOS
CITY OF MUSKEGO**

PROJECT NO. 1012.10030



Top of Working face, trucks tipping and compactor working waste.



Autofluff being tipped in Active area

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Properly labeled, packaged, and disposed asbestos



Flagging in daily cover



Base of working face, some flagging in previous cover



West slope of Phase 6, green with grasses to the North and exposed soils to the South



West slope of Phase 6, South of grassy areas



July



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

To: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 07/28/11
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of July 4, 2011. The audit was performed at 11:00 am on **July 6, 2011** by Jo Spear Jr. in the presence of Dan Driggett.

The following conditions were noted during this Audit of the VEPL Facility:

- Working face in southeast corner outboard slope of Phase 5
 - Working face long and thin along slope
 - Autofluff stockpiled, site soils used for outboard slope
- Leachate being discharged to MMSD, low volumes
 - Quarterly sampling to occur next week
- Flare shutdown during audit while wells in Phase 3 are extended
- No storm events since last audit
 - Everything dry, basins and ditches need cleaning
- No odors offsite
- Some litter present in ditches along US 45
- US45 dusty and 8 Mile Road clean, site roads dusty
- Tipping scale camera and equipment operators inspecting waste ~1500tpd
 - Random Load inspection date was 6/30/11
 - Landfill closed on July 4th
- Backhaul of clay to farm, trucks have clay above running boards, no tarps
- Excavation and Phase 3 closure ongoing

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA EMERALD PARK LANDFILL
LANDFILL OPERATIONS AUDIT FORM
CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE July 6, 2011
Auditor on site at: Open Close

TIME 11:00

WEATHER: Sunny & Dry

WIND N 0-5

TEMP Maximum 79 °F Minimum 59 °F

B.P. 29.99

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	Compactor						
<u>2</u>	Dozer						
	Excavator						
	Haul Truck						
<u>1</u>	Water Truck						
	Sweeper						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face on Southeast corner,
outboard slope of Phase 5. Working face
low and thin along slope



Cover Material:

4000 Fluff stock piled.
Site soils used for outboard slope

B. Leachate Management:

MMSD Discharge, low volumes
next week, quarterly sampling

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	
Turbines in Operation:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	N/A
Engines in Operation:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	N/A
Shutdowns Since Last Audit:	# 6/30/2011 /			
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Shut down during Audit, while wells
in Phase 3 are extended.

D. Surface Water Management:

Storm Events Since Last	# 0	Est. Volume	0
-------------------------	-----	-------------	---

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

No storm events, everything dry. Basins
& ditches need cleaning

E. Odor Control:

Odors Present: Onsite Offsite

Comments: No Odors offsite

F. Special Waste Handling: storage of fingerprint samples and testing procedures

None



G. Litter Control:

Litter Present Onsite:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	
Litter Present Offsite:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	Ditches
Pickers Active:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#

Comments:

US 45 Ditches have some litter

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

US 45 Dusty + 8 Mile Clean
 Site roads dusty

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Equipment Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	6/30/2011			

Comments:

~ 1,500 TPD, July 4th landfill was closed

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		
2.		
3.		
4.		None

Comments:



L. Other Comments:

* Back haul of clay to farm, trucks have clay above running boards & No Tarps
* Excavation and Phase 3 closure ongoing.

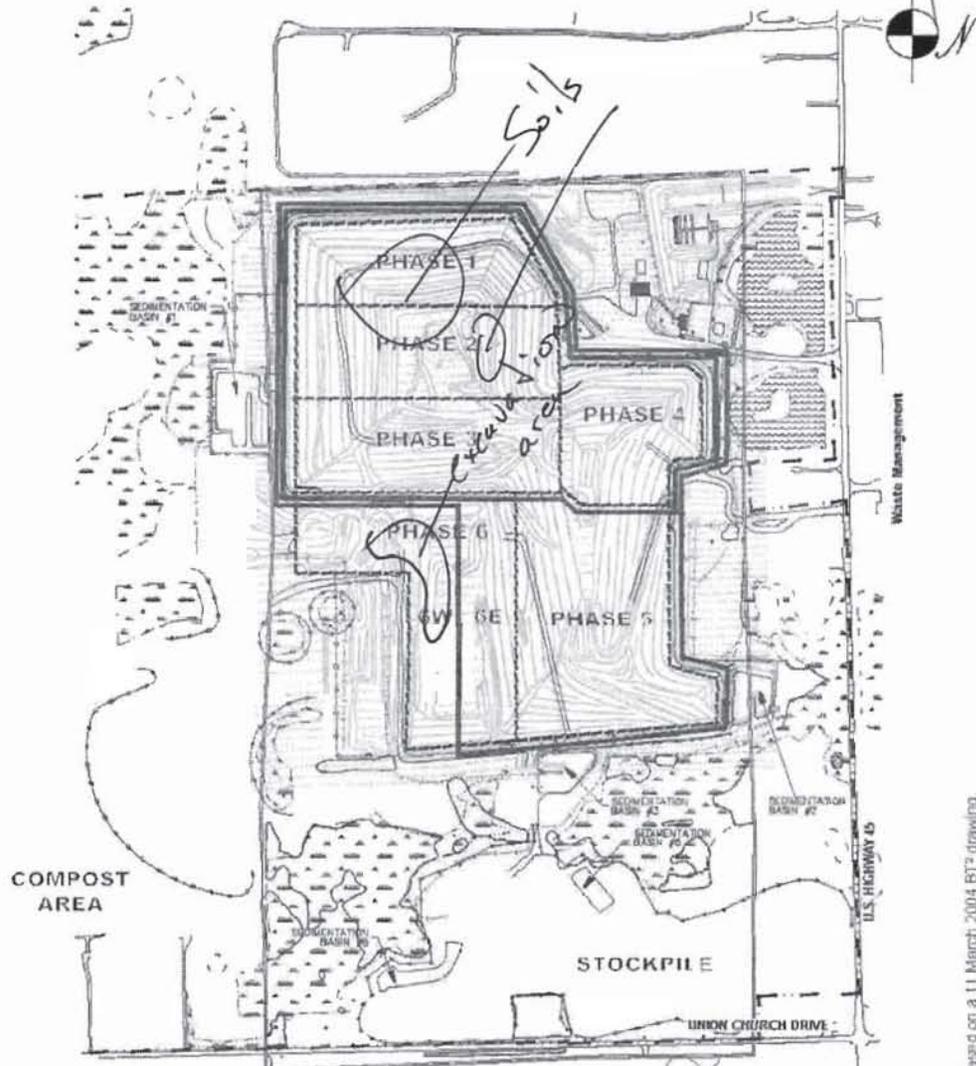
Auditor's Signature: [Signature]
Auditor's Printed Name: Joseph Walter Spier Jr
Management Signature: [Signature]
Management Printed Name: DEAN DRIGGETT
Management Title: _____
JSA Principal Signature: _____

Date: July 6, 2011
Date: 7-6-11
Date: _____



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020.10030



based on a 11 March 2004 BT² drawing

J Spear Associates

Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

LANDFILL AUDIT MAP



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes

**VEOLIA EMERALD PARK LANDFILL
AUDIT PHOTOS
CITY OF MUSKEGO**

PROJECT NO. 1012.10030



Truck with clay above running boards



Truck with clay above running boards for entire length

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Same truck



Working face viewed from East



Working face viewed from the Southeast



Dozer preparing area for additional excavation



Active area with access roads to top and bottom of working face



Temp Sed Basin



Active are North end, truck access, no tipping



Continued excavation of new expansion



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 07/28/11
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of July 11, 2011. The audit was performed at 3:45 pm on **July 12, 2011** by Jo Spear Jr. in the presence of Dan Driggett.

The following conditions were noted during this Audit of the VEPL Facility:

- Working face in southeast corner of active area, exposed to highway and beyond 1000' setback
 - Cover in good condition except above access road
 - Autofluff used for daily cover
 - landfill direct and site soils used for outboard slope
- Leachate being discharged to MMSD, day 2 of sampling
- Flare in operation during audit, no shutdowns ~1675 cfm
- One storm event since last audit, ~1/2" Site Dry
- No odors offsite, odor on access road to working face
- No litter issues, low winds and two pickers active
- US45 dusty, tracking at both entrances
- Tipping scale camera and equipment operators inspecting waste ~3000tpd
 - Random Load inspection date was 7/10/11
 - MSW and soil loads
- New operations manager: Robert Bennett
- Soil placement on Phase 5 for further closure
- Construction Audit
 - Excavation of Phase 7 and landfill direct soils for use in Closure Area 3
 - 7'-8' fills on Phase 5
 - Excavation of Phase 7 20' cut or more

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA EMERALD PARK LANDFILL
LANDFILL OPERATIONS AUDIT FORM
CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE July 12, 2011
Auditor on site at: Open Close

TIME 3:45

WEATHER Clear, Sunny

WIND WS-15

TEMP Maximum 82 °F Minimum 62 °F

B.P. 29.99

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	Compactor						
<u>2</u>	Dozer						
	Excavator						
	Haul Truck						
<u>1</u>	Water Truck						
	Sweeper						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face on Southeast corner
of Active Area. Exposed to highway, beyond
1000' Setback
Cover in good condition except above
access road



Cover Material:

Autofluff being used for daily cover
LE Direct & Site Solls for outboard slope

B. Leachate Management:

Second day of sampling, Discharge thru stream

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Turbines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Engines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Shutdowns Since Last Audit:	# 0			
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

~1,675 cfm

D. Surface Water Management:

Storm Events Since Last	# 1	Est. Volume	~1/2"
-------------------------	-----	-------------	-------

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Site dry,

E. Odor Control:

Odors Present: Onsite Offsite

Comments: Odor on Access Road to Working face

F. Special Waste Handling: storage of fingerprint samples and testing procedures

None



G. Litter Control:

Litter Present Onsite:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	
Litter Present Offsite:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	
Pickers Active:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	# 2

Comments:

Low amounts, no litter issue.

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

USHS Dusty, tracking at Both LF entrances

I. Inspection of incoming Waste:

Scale Camera Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	1
Equipment Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	3
Spotter:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	July 10, 2011					

Comments:

~ 3,000 TPD - MSW & Soil Loads

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		
3.		
4.		

Comments:



L. Other Comments:

* New Operations Manager Robert Bennett
* Soil placement on Phase 3 for future
closure

Auditor's Signature:
Auditor's Printed Name:
Management Signature:
Management Printed Name:
Management Title:
JSA Principal Signature:

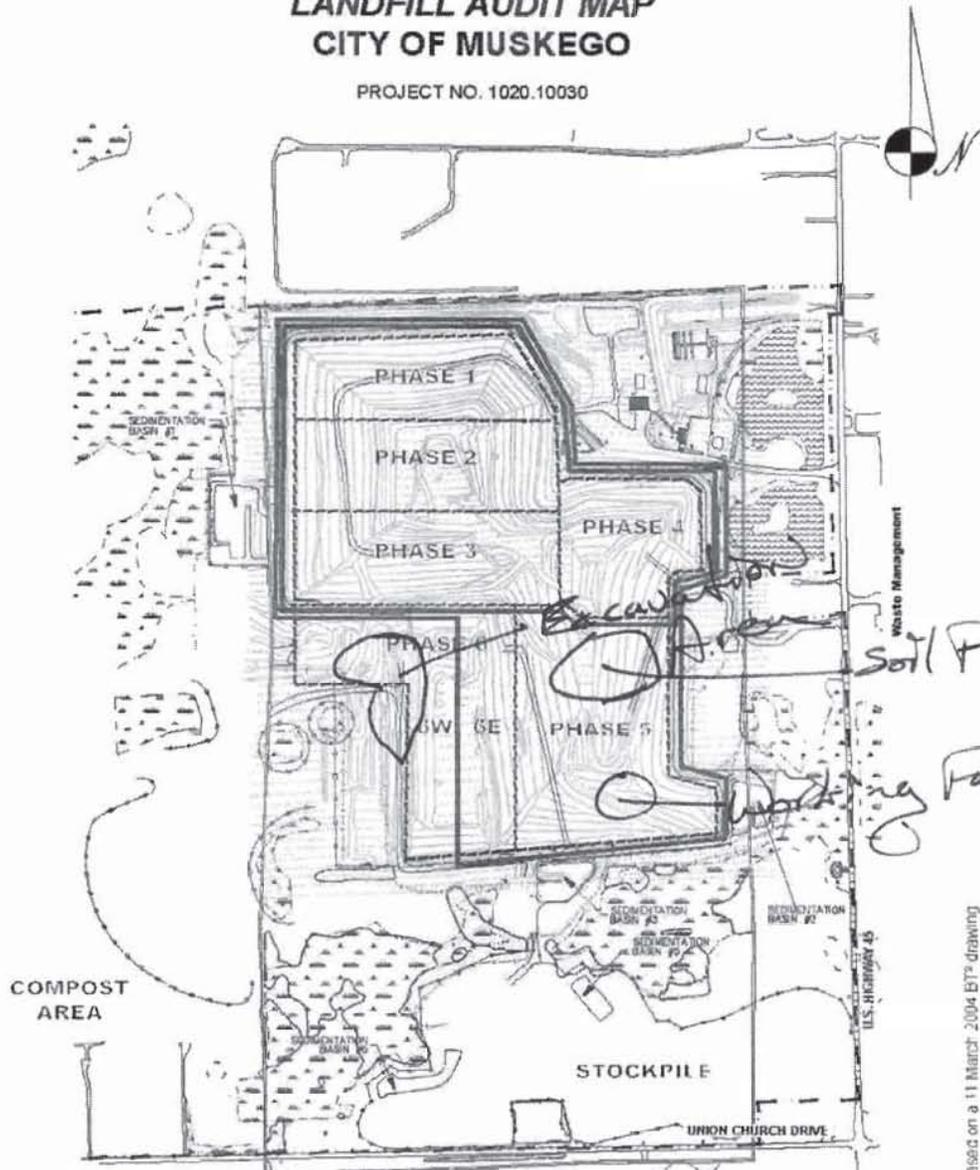
[Handwritten Signature]
Jo-Walter Spear, Jr.
[Handwritten Signature] ENVIRO TECH.
DEAN DRIGBETT

Date: 7/12/2011
Date: 7/12/11
Date: _____



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020.10030



Waste Management

dated on a 11 March 2004 BT* Drawing

COMPOST AREA

STOCKPILE

UNION CHURCH DRIVE

January 2002
December 2008

J Spear Associates

Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

LANDFILL AUDIT MAP



VEOLIA EMERALD PARK LANDFILL
 LANDFILL CONTRACTORS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE July 12, 2011 TIME 3:55

MAJOR EQUIPMENT USED IN CONSTRUCTION OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
# 1	Roller Compactor						
2	Dozer						
1	Excavator						
3	Haul Truck						
	Water Truck						
	Sweeper						
#	Dump Trucks						

A. Work Accomplished Today (Scheduled & Completed):

*Excavation of Phase 7 & Excavation of
 Landfill direct soils for use in Closure
 Area 3*



B. Excavations / Soil Management:

7 to 8' Fills on Phase 5
Excavations for Phase 7 20' cut or more

C. Off Site Hauling

	Weight Ticket Number	Weight of Load in Pounds
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Auditor's Signature: *Jo Walter Spenser Jr*
Auditor's Printed Name: Jo Walter Spenser Jr
Management Signature: _____
Management Printed Name: _____
Management Title: _____

Date: 7/12/2011
Date: _____



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes

**VEOLIA EMERALD PARK LANDFILL
AUDIT PHOTOS
CITY OF MUSKEGO**

PROJECT NO. 1012.10030



Compactor behind screening berm



Soils for fill area

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Fill area on Phase 5



Working face viewed from above



Access to active area



Temp sed basin and juncture of phases



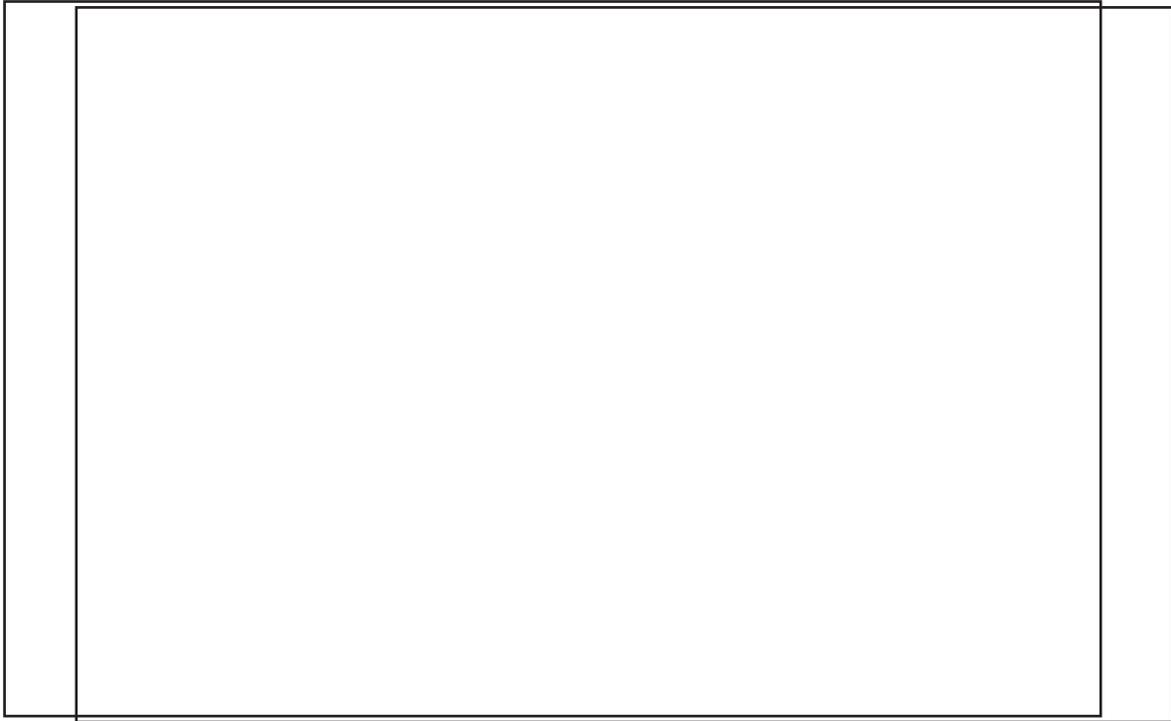
Exavation area for Phase 7



Working face viewed from East



Fill area of Phase 5





MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 07/28/11
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of July 25, 2011. The audit was performed at 11:10 am on **July 20, 2011** by Jo Spear Jr. in the presence of Robert Bennett.

The following conditions were noted during this Audit of the VEPL Facility:

- Working face in southeast corner of active area
 - Additional cover added to slopes to cover flagging
 - Soils and autofluff used for daily cover
- Leachate being discharged to MMSD
 - Leachate side slope risers being raised with cover
- Flare operation steady
- No storm events since last audit; basins cleared of woody growth
- Minor gas odor offsite, no onsite odors
- Litter under control, 2 pickers active.
 - Paper spill on highway was addressed immediately
- US45 and 8 Mile Road clean
- Tipping scale camera and equipment operators inspecting waste ~2200tpd
 - Random Load inspection date was 7/19/11, Increased soils tipping
- New operator being sought for Operations
- Filling on Phase 5 ongoing with landfill direct soils to bring to final grade
- Soil placement on Phase 5 for further closure
- Construction Audit
 - Oaks excavating Phase 7 and delivering soils to farm for stockpiling
 - Nearly complete to depth and volume

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA EMERALD PARK LANDFILL
 LANDFILL OPERATIONS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE July 20, 2011
 Auditor on site at: Open Close

TIME 11:10

WEATHER Clear, Humid & Sunny

WIND S 10-15

TEMP Maximum 99 °F Minimum 79 °F

B.P. 29.82

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	<u>Compactor</u>						
<u>2</u>	<u>Dozer</u>						
	<u>Excavator</u>						
<u>1</u>	<u>Haul Truck</u>						
<u>1</u>	<u>Water Truck</u>						
	<u>Sweeper</u>						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face on southwest corner of Active Area. Additional cover added to slopes to cover flagging

Robert. Bennett



Cover Material:

Seals & Auto fluff

B. Leachate Management:

Discharge to MMSP,
Leachate side slope risers being raised with cover

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Turbines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Engines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Shutdowns Since Last Audit:	# 0			
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Flare operation steady

D. Surface Water Management:

Storm Events Since Last	# 0	Est. Volume	
-------------------------	-----	-------------	--

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Basins cleared of brush & weed growth

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

Minor Gas odor of site, No other odors

F. Special Waste Handling: storage of fingerprint samples and testing procedures

None



G. Litter Control:

Litter Present Onsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Litter Present Offsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Pickers Active:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	# 2

Comments:

Litter under control. Paper spill on highway addressed immediately.

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

US 48 & S Mt Road Clean

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Equipment Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	3
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	July 19, 2011			

Comments:

~2,200 TPD, increased soils tipping

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		
3.		
4.		

Comments:



L. Other Comments:

* New operator being sought for operations
* Filling on Phase 3 ongoing with
Landfill direct soil to bring to final grade

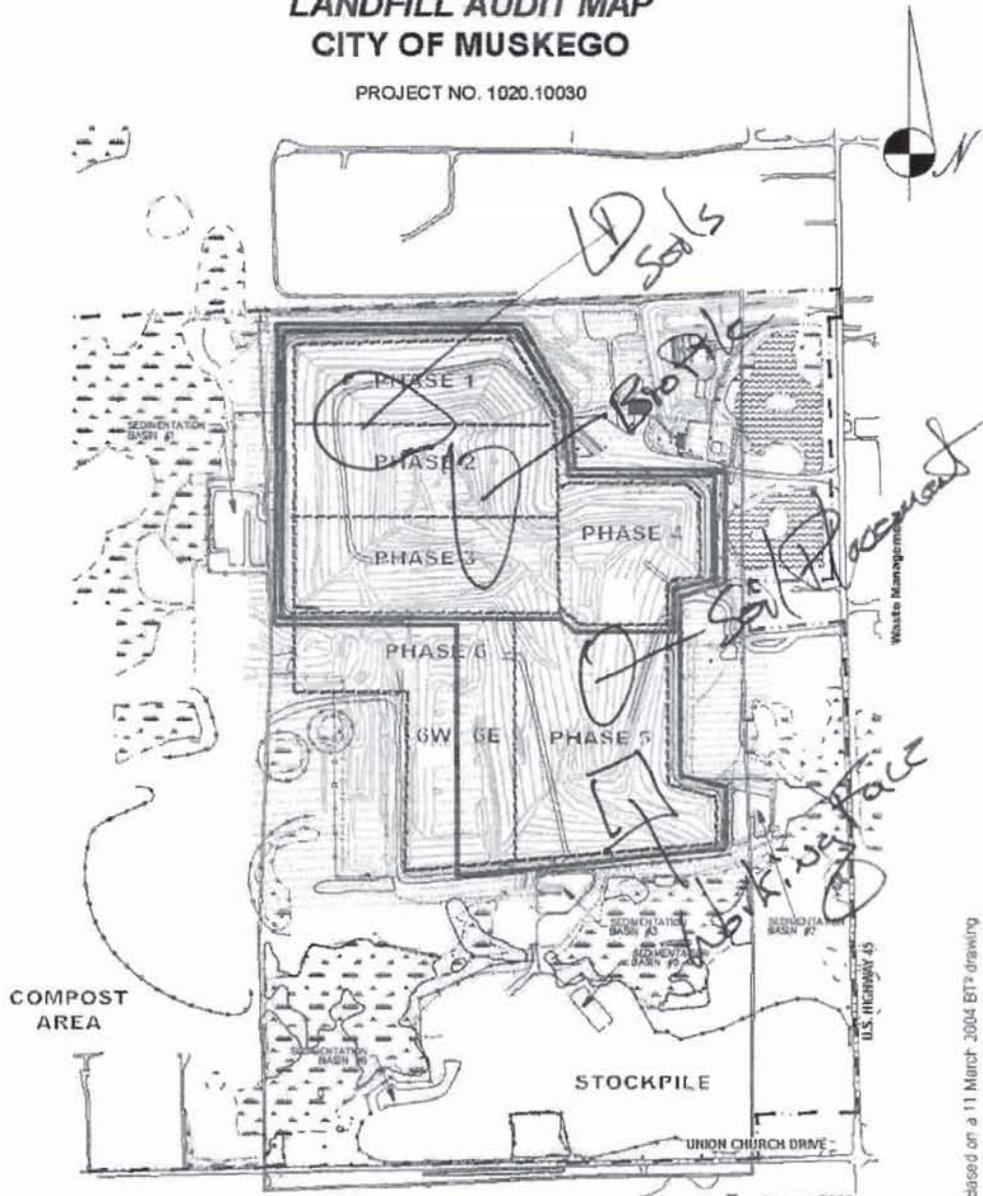
Auditor's Signature: [Signature]
Auditor's Printed Name: Jo-Walter Spear, Sr
Management Signature: [Signature]
Management Printed Name: _____
Management Title: _____
JSA Principal Signature: _____

Date: 7/20/04
Date: 2-20-11
Date: _____



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020.10030



based on a 11 March 2004 BTT drawing

J Spear Associates

Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

LANDFILL AUDIT MAP



B. Excavations / Soil Management:

Nearly complete to depth & Volume

C. Off Site Hauling

	Weight Ticket Number	Weight of Load in Pounds
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Auditor's Signature: [Signature]
Auditor's Printed Name: Jo-Walter Spear Jr
Management Signature: [Signature]
Management Printed Name: _____
Management Title: _____

Date: 7/20/11
Date: 7-20-11



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes

**VEOLIA EMERALD PARK LANDFILL
AUDIT PHOTOS
CITY OF MUSKEGO**

PROJECT NO. 1012.10030



Mobil fencing wrapped about working face



Dozer placing fill soils on Phase 4/5

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Working face



Landfill direct soils being harvested to be used to bring Phase 4 and 5 up to final grades



Blo pile undergoing processing



Active area viewed from the South



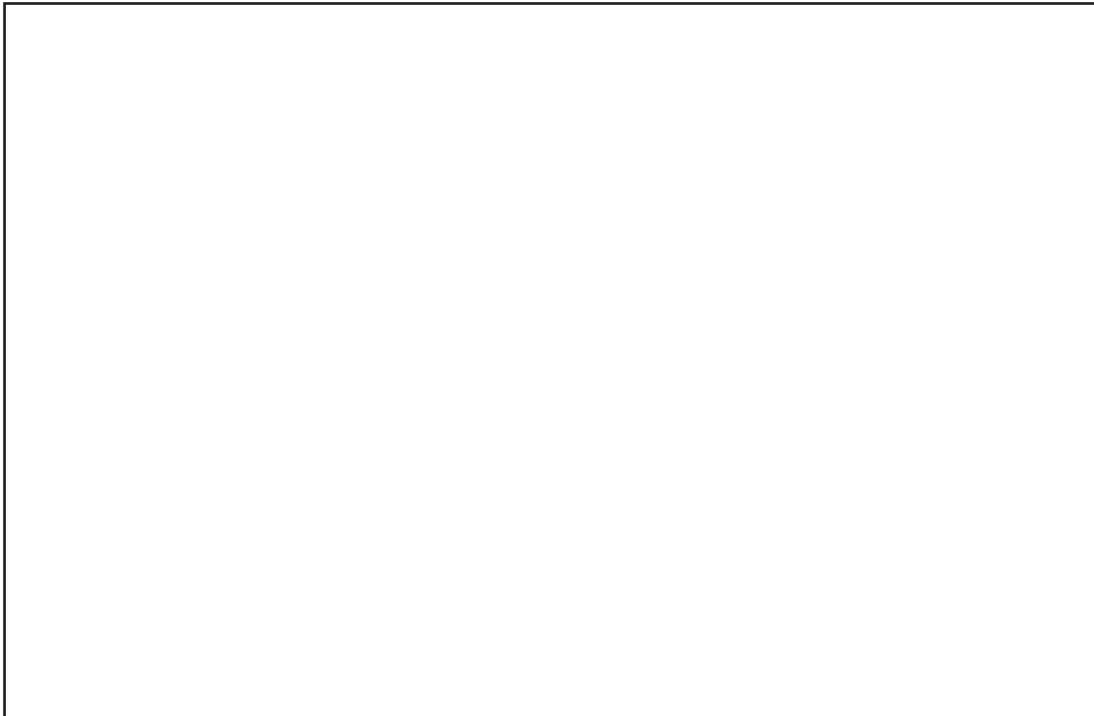
Active area access



Filling on outboard slope of Phase 4 and 5



Final gross excavation of Phase 7





MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

To: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 08/01/11
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of July 25, 2011. The audit was performed at 11:10 am on **July 28, 2011** by Jo Spear Jr. in the presence of Robert Bennett.

The following conditions were noted during this Audit of the VEPL Facility:

- Working face in south west corner of active area in trench like layout, very small
 - Wet conditions, no soils load
 - Soils and autofluff used for daily cover
 - No leachate discharge, storage tanks full and will be used for surface application; all at maintenance levels
- Flare stayed lit through storms; ~1700 cfm
- Two storm events since last audit, ~1.5"
 - Storm impacts form 7/27/2011 minimal
- Autofluff odors on US 45, Minor gas odor on access road
 - Minor litter onsite, new fences wrapped around working face
- US45 very, very dusty and 8 Mile Road clean
- Tipping scale camera and equipment operators inspecting waste ~2200tpd
 - Random Load inspection date was 7/27/11
 - No construction due to weather
 - Minor new rills and silt at base of construction access

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes

**VEOLIA EMERALD PARK LANDFILL
AUDIT PHOTOS
CITY OF MUSKEGO**

PROJECT NO. 1012.10030



Working face on Southwest corner of Active area



Compost Lot

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



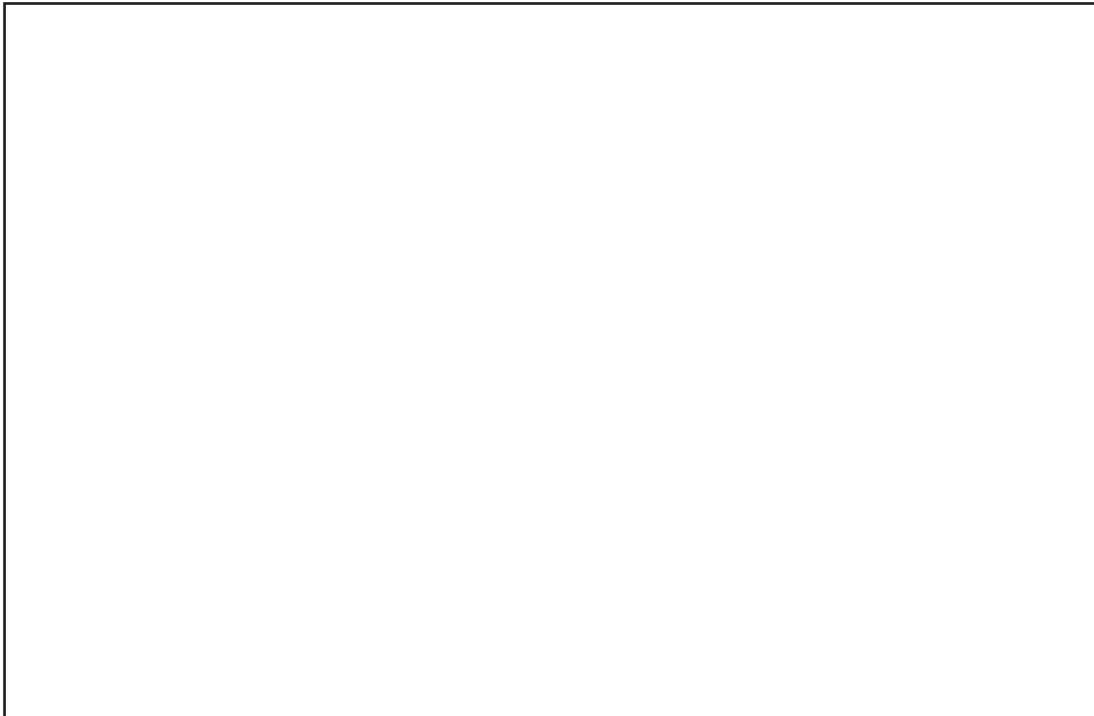
Fire pit, clay bottom with clay sides for smothering hot loads



Area left to be excavated for Phase 7



Excavation area too wet for work after storms





August



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego

FROM: Anna Krajcik

COPIES: File

DATE: 08/05/11

PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of August 1, 2011. The audit was performed at 3:35 pm on **August 4, 2011** by Jo Spear Jr. in the presence of Robert Bennett.

The following conditions were noted during this Audit of the VEPL Facility:

- Working face in south west corner of Phase 5
 - Bio soils being received in Phase 3
 - Landfill direct being transferred to Phase 5 for slope recovery
 - Good cover placement
 - Autofluff and site soils in use for daily cover
- Minor discharge to MMSD, all levels below maintenance
- Flare shut down for maintenance on 8/3/2011, ~1700cfm
- One storm events since last audit, ~1"
 - Basins have plenty of free board, ditches need cleaning
- No odors on or off site
- Liquid loads placed in working face
- Some litter present off site, pickers and mowers active
- US45 dusty south of construction entrance
 - Broom active, Sweeper out today
- Tipping scale camera and equipment operators inspecting waste ~2300tpd
 - Random Load inspection date was 08/03/11
- Oaks on site excavating and placing clay
- Mowing ongoing
- Construction

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos



MEMORANDUM

- Excavation soils from Phase 7 being split between the farm and closure area 3
- Second lift of clay being placed in 6" lifts
- Approximate numbers being calculated for volume

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA EMERALD PARK LANDFILL
LANDFILL OPERATIONS AUDIT FORM
CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE August 4, 2011
Auditor on site at: Open Close

TIME 3:35

WEATHER Clear Sunny

WIND S 0-10

TEMP Maximum 82 Minimum 66 °F

B.P. 30.00

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
2	Dozer						
	Excavator						
	Haul Truck						
	Water Truck						
	Sweeper						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Bio Soils being received in Phase 3
landfill direct being ~~tipped~~ transferred to
Phase 5 for slope recovery.
Working face for MSW at Southwestern
corner of Phase 5
Good Cover Placement



Cover Material:

Autohuff and site soils in use

B. Leachate Management:

Minor Discharge to MMSD, All levels below maintenance.

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	
Turbines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Engines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Shutdowns Since Last Audit:	#		1	
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Flare shut down for maintenance on 8/3/2011
~ 1,700 gpm

D. Surface Water Management:

Storm Events Since Last	#	1	Est. Volume	n/a
-------------------------	---	---	-------------	-----

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Basins have plenty of Free board ditches
need cleaning

E. Odor Control:

Odors Present: Onsite Offsite

Comments: No odors on or off site

F. Special Waste Handling: storage of fingerprint samples and testing procedures

Liquid loads placed in Working face



G. Litter Control:

Litter Present Onsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Litter Present Offsite:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	
Pickers Active:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	# 1

Comments:

Pickers & Mowers Active

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

US45 Dusty South of Construction Gate, Brook Active, Sweeper Out today

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Equipment Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	3
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	8/3/2011			

Comments:

~ 2,300 TPD

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		
3.		
4.		

Comments:



L. Other Comments:

* DAKS ON SITE. Excavating and placing clay
* Mounding ongoing.

Auditor's Signature: _____
Auditor's Printed Name: _____
Management Signature: _____
Management Printed Name: _____
Management Title: _____
JSA Principal Signature: _____

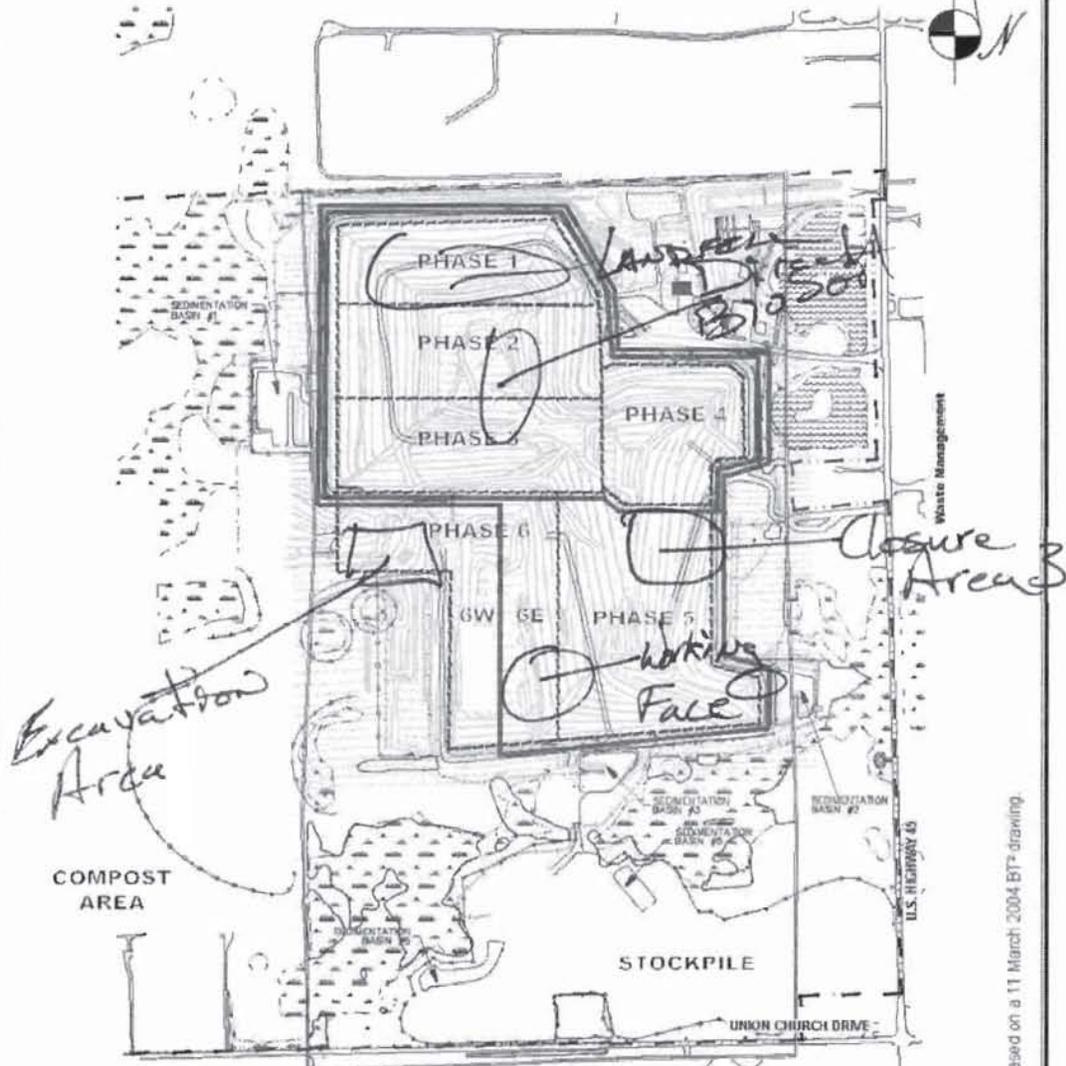
[Handwritten Signature]
So - Walter Spaw Jr

Date: 2/16/2011
Date: 3-3-2011
Date: _____



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020.10030



based on a 11 March 2004 BT* drawing.

J Spear Associates

Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

LANDFILL AUDIT MAP



VEOLIA EMERALD PARK LANDFILL
 LANDFILL CONTRACTORS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE August 4, 2011 TIME 4:50 PM

MAJOR EQUIPMENT USED IN CONSTRUCTION OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
2	Compactor						
3	Dozer						
2	Excavator						
4	Haul Truck						
	Water Truck						
	Sweeper						
40	Dump Trucks						

A. Work Accomplished Today (Scheduled & Completed):

Excavation soils from Phase 7 being split between the Farm and Closure Area 3,
 Second lift of clay being placed in 6" lifts.



B. Excavations / Soil Management:

Numbers being used for Volume

C. Off Site Hauling

	Weight Ticket Number	Weight of Load in Pounds
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Auditor's Signature: *[Signature]*
Auditor's Printed Name: *John Walter Spear Jr*
Management Signature: *[Signature]*
Management Printed Name: _____
Management Title: _____

Date: *8/3/2014*
Date: *8-3-2014*



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes

**VEOLIA EMERALD PARK LANDFILL
AUDIT PHOTOS
CITY OF MUSKEGO**

PROJECT NO. 1012.10030



Landfill direct stockpile nearly exhausted on Phase 1 thru 3



Landfill direct stock pile being excavated for use in Closure area

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Bio-soil pile under treatment



Tipping face along West top of slope, tight trench placement



Active area



Access to working face separated by barrels for site construction traffic and site tipping traffic



Excavation area nearing completion



Temp Sed Basin and expansion area



Prepared cap overlap between Phase 5 and 4



Closure Area



Closure area, receiving clay lifts



E-Waste Box



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 08/12/11
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of August 8, 2011. The audit was performed at 3:05 pm on **August 11, 2011** by Jo Spear Jr. in the presence of Robert Bennett.

The following conditions were noted during this Audit of the VEPL Facility:

- Working face at northwest end of Phase 6, building new access ramp for future
 - Lift starts at south end of phase.
 - Previous cover in good shape and all flagging covered
 - Autofluff and site clays for daily cover
- All levels at maintenance
- Flare in good working order, ~1700cfm
- One storm events since last audit, ~1.25"
 - Basins in good shape, ponding in excavation area
- Strong odor from Milorganite
- Litter controlled, 2 pickers active
- US45 and 8 Mile Road both clean
- Tipping scale camera and equipment operators inspecting waste
 - Random Load inspection date was 08/10/11 ~ 800msw, 1500 tpd
- Active area being prepared for next lift and coverage of previous days cover
- Milorganite from biopile releasing odors while being placed for grade restoration
 - Odor being controlled by covering with final cover clay
- Fire pond being armored with Rip-Rap to prevent erosion
- Construction
 - Excavation ongoing and placement of biosoils and clay in closure Area 3
 - Nearing final grades, some areas awaiting drying

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA EMERALD PARK LANDFILL
LANDFILL OPERATIONS AUDIT FORM
CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE August 11, 2011 TIME 3:05
Auditor on site at: Open Close

WEATHER Clear Sunny WIND S 5-15

TEMP Maximum 80 °F Minimum 60 °F B.P. 29.99

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

NO.	DESCRIPTION	Rented	Contracted	NO.	DESCRIPTION	Rented	Contracted
1	Compactor						
2	Dozer						
	Excavator						
1	Haul Truck						
	Water Truck						
	Sweeper						

MAJOR EQUIPMENT BONEYARD

NO.	DESCRIPTION	Broken	Maintenance	NO.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face at Northwest end of Phase 6
Constructing new Access ramp for future
left side at South end of Phase
Previous cover in good shape and all flagging
covered



Cover Material:

Autofluff and site clays

B. Leachate Management:

Maintenance levels

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Turbines in Operation:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	NA
Engines in Operation:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	NA
Shutdowns Since Last Audit:	# 0			
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Flare in good working order
~ 1,700 gpm

D. Surface Water Management:

Storm Events Since Last	# 1	Est. Volume	~ 1.25
-------------------------	-----	-------------	--------

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Basins in good shape, ponding in excavation area

E. Odor Control:

Odors Present:

Onsite Offsite

Comments:

Strong odor from Milorganite

F. Special Waste Handling: storage of fingerprint samples and testing procedures

None



G. Litter Control:

Litter Present Onsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Litter Present Offsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Pickers Active:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	# 2

Comments:

Litter controlled

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

US 45 & B Mile Road, Both clean

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Equipment Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	3
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	<i>August 10, 2014</i>			

Comments:

*~ 200 MSW
~ 1,500 TPD*

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		<i>NONE</i>
2.		
3.		
4.		

Comments:



L. Other Comments:

* Active Area being prepared for next lift and coverage of previous days cover

* Manganese from Biopile releasing odors while being placed for grade restoration Odor being controlled by covering with final cover clay

* Fire pond being armored with Rip-Rap to prevent erosion.

Auditor's Signature:

[Handwritten Signature]

Date: 8/11/04

Auditor's Printed Name:

J. Walter Spear Jr

Management Signature:

[Handwritten Signature]

Date: 8-11-04

Management Printed Name:

Robert Bennett

Management Title:

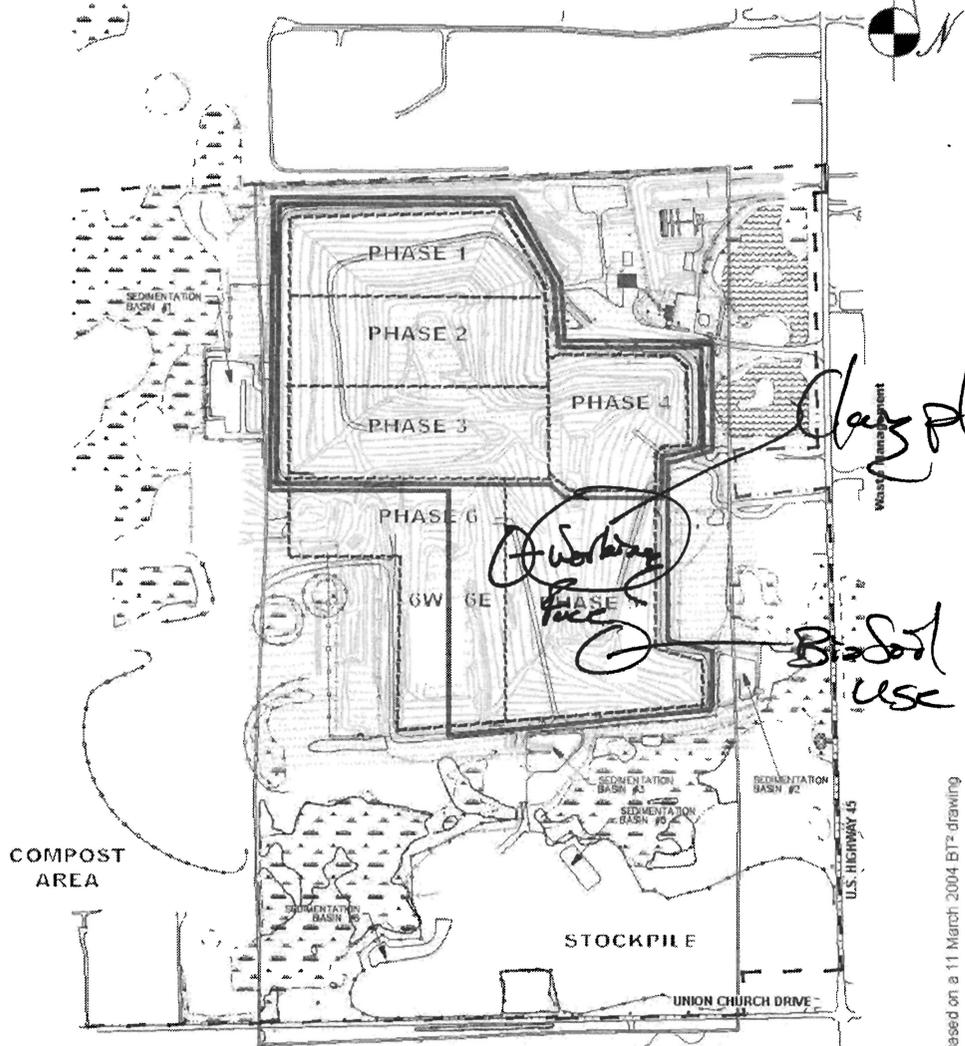
JSA Principal Signature:

Date: _____



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020.10030



based on a 11 March 2004 BT7-drawing

J Spear Associates

Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

LANDFILL AUDIT MAP



VEOLIA EMERALD PARK LANDFILL
 LANDFILL CONTRACTORS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE August 11, 2011

TIME 3:38

MAJOR EQUIPMENT USED IN CONSTRUCTION OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
4	Dozer						
4	Excavator						
4	Haul Truck						
1	Water Truck						
1	Sweeper						
30	Pumps						

A. Work Accomplished Today (Scheduled & Completed):

Excavation ongoing and placement of Biosolids & Clay in Closure Area.



B. Excavations / Soil Management:

Needing final grades, some areas awaiting drying

c. Off Site Hauling

	Weight Ticket Number	Weight of Load in Pounds
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Auditor's Signature: *[Signature]*
Auditor's Printed Name: *Jo-Walter Spencer Jr.*
Management Signature: *[Signature]*
Management Printed Name: *Robert Bennett*
Management Title: _____

Date: *8/11/2011*
Date: *8.11.2011*



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes

**VEOLIA EMERALD PARK LANDFILL
AUDIT PHOTOS
CITY OF MUSKEGO**

PROJECT NO. 1012.10030



Junction between Closure Area I and Closure Area III



Clay placement on closure area

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Clay placement on closure area



Clay placement on closure are



Clay compaction of Closure Area III



Working face in Northwest corner of active area



Active Area



Active area



Excavation of Phase 7



Excavation of Phase 7



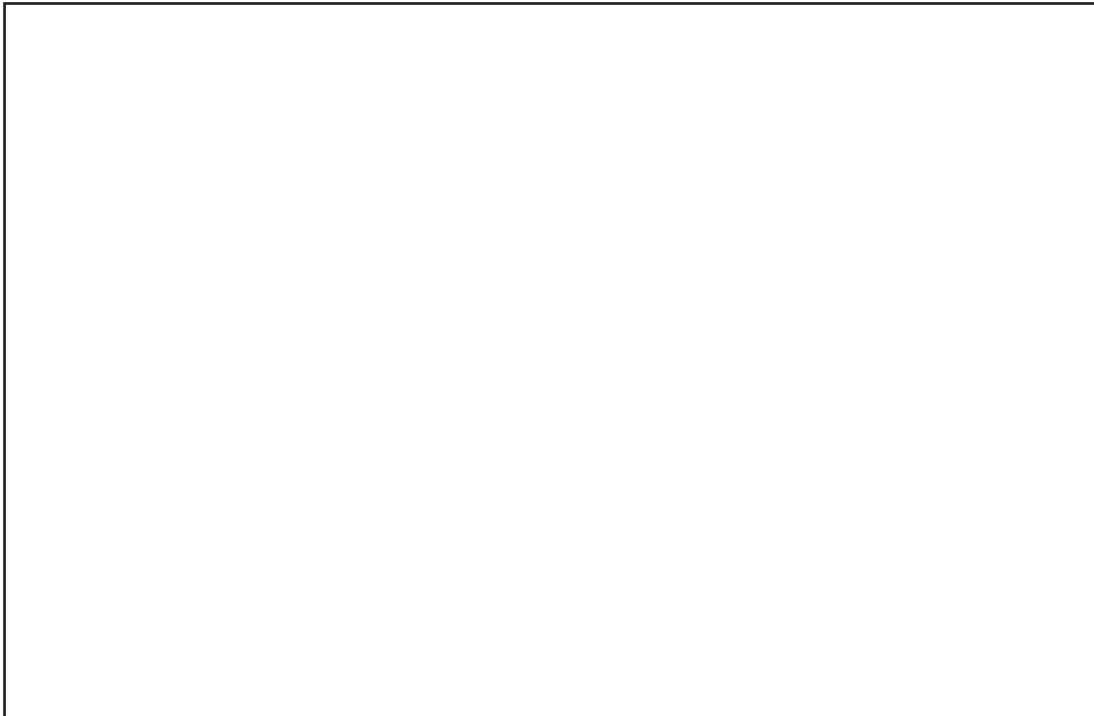
E-waste container, emptied since last audit



Fire control pond



Fire pond with new border and filled





MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 08/17/11
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of August 15, 2011. The audit was performed at 3:00 pm on **August 15, 2011** by Jo Spear Jr. in the presence of Robert Bennett.

The following conditions were noted during this Audit of the VEPL Facility:

- Working face on new lift at very south end of Phase 5/6
 - Landfill direct soils expected for phase 1 & 2
 - New access to active area allowing loop traffic
 - Autofluff and site clays for daily cover
- Discharge to MMSD, all levels at maintenance
- Flare had no shut downs ~1720cfm
- Two storm events since last audit, ~1"
 - Basins have plenty of freeboard
- No odors noted
- No litter noted, 1 picker active
- US45 dusty in both directions
- Tipping scale camera and equipment operators inspecting waste
 - Random Load inspection date was not listed ~ 800msw, 700 soils
- Biosoil placement to meet final grades on Phase 5 ongoing with clay final cover placed on top.
 - Fire pond at office filled to proper level
 - Cap placement expected for Thursday, 8/18/2011
- New leachate force main installation ongoing around Phase 5
- Construction
 - Clay lift placement ongoing for closure area 3

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos



MEMORANDUM

- Placement of clay in 6" lifts followed by soil compaction and documentation
- Excavation of Phase 7 ongoing
- No offsite hauling
- All excavations staying onsite

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA EMERALD PARK LANDFILL
LANDFILL OPERATIONS AUDIT FORM
CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE August 15, 2011
Auditor on site at: Open Close

TIME 3:00

WEATHER Clear, Some Clouds Sunny

WIND So. 5-15

TEMP Maximum 80 °F Minimum 62 °F

B.P. 30.02

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>2</u>	Compactor						
	Dozer						
	Excavator						
<u>1</u>	Haul Truck						
	Water Truck						
	Sweeper						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face on new lift at very South end
of Phase 5/6.
Landfill Direct soils expected for Phase 1 & 2
New access to Active Area allowing loop
traffic.



Cover Material:

Autofluff & Site Clays

B. Leachate Management:

Discharge to MMSD all levels at Maintenance

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Turbines in Operation:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	NA
Engines in Operation:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	NA
Shutdowns Since Last Audit:	#		0	
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

~ 1720 gms

D. Surface Water Management:

Storm Events Since Last	# 2	Est. Volume	2/9
-------------------------	-----	-------------	-----

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Basins have plenty of freeboard

E. Odor Control:

Odors Present: Onsite Offsite

Comments: No offsite

F. Special Waste Handling: storage of fingerprint samples and testing procedures

None



G. Litter Control:

Litter Present Onsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Litter Present Offsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Pickers Active:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	# 1

Comments:

No blowing litter

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

US45 Dusty in both directions

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Equipment Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	<i>1</i>
Random Load Inspection Dates:				

Comments:

*~ 800 Msq
~ 700 Sotls*

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		<i>None</i>
2.		
3.		
4.		

Comments:



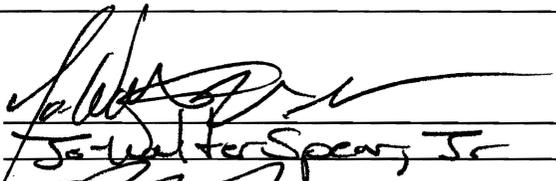
L. Other Comments:

* Bio Soil placement to meet final grades on Phase 5 ongoing with Clay final cover placed on top.

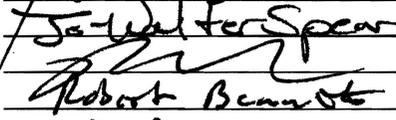
* Fire Pond at office filled to proper level,

* Cap placement expected for Thursday 8/18/2011

* New leachate force main installation ongoing around Phase 5

Auditor's Signature: 

Auditor's Printed Name: J. Walter Spear, Jr.

Management Signature: 

Management Printed Name: Robert Bennett

Management Title: Ops Mgr

JSA Principal Signature: _____

Date: 8/15/11

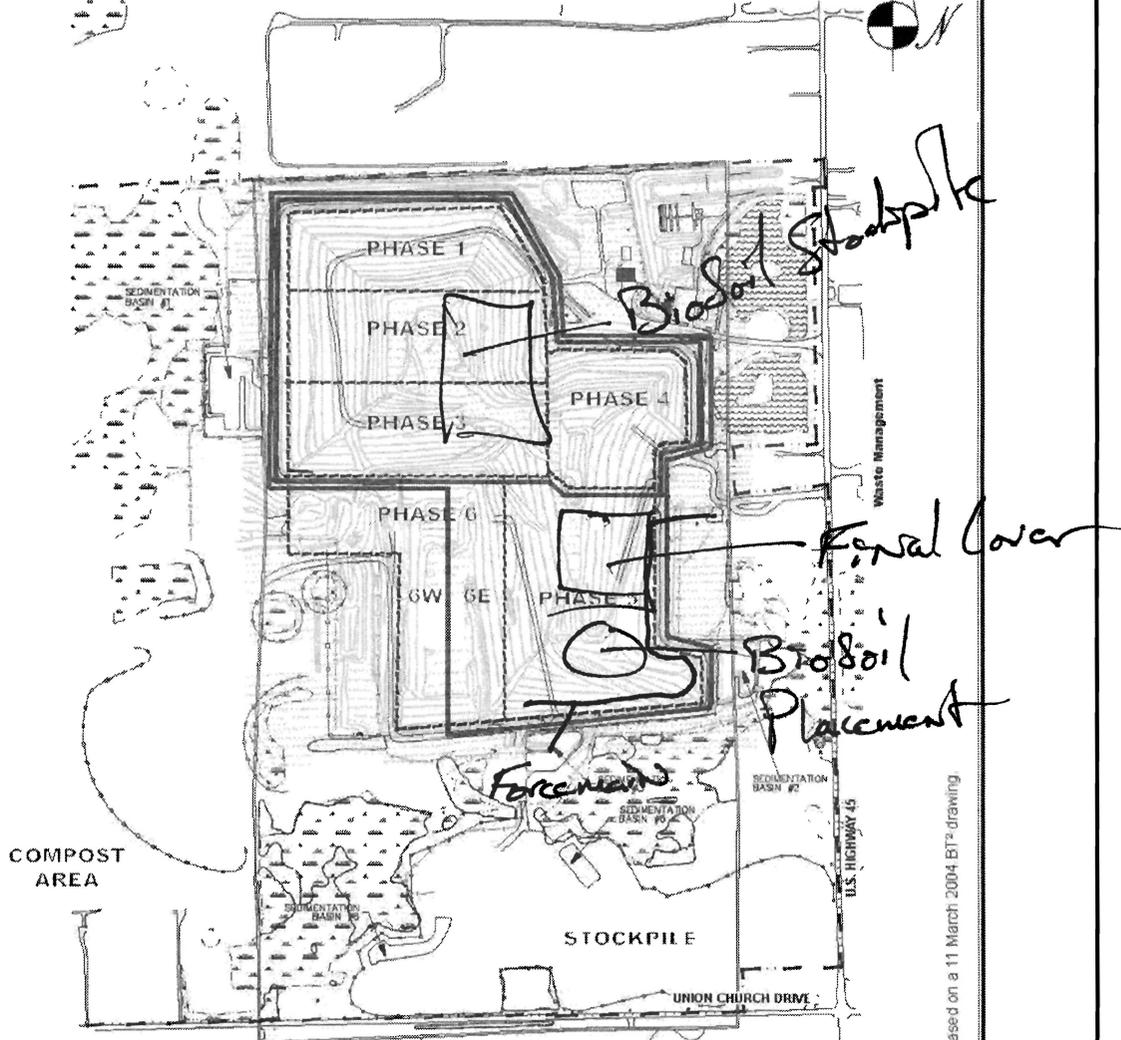
Date: 8-15-11

Date: _____



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020.10030



J Spear Associates

Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

LANDFILL AUDIT MAP

January 2002
December 2006

based on a 11 March 2004 BT* drawing



VEOLIA EMERALD PARK LANDFILL
 LANDFILL CONTRACTORS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE August 25, 2011

TIME 3:00

MAJOR EQUIPMENT USED IN CONSTRUCTION OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor	Earth					
4	Dozer						
4	Excavator						
	Haul Truck						
	Water Truck						
	Sweeper						
1	Smoothdown						

A. Work Accomplished Today (Scheduled & Completed):

Clay lift placement ongoing for closure
 Area. Placement of clay in trench lifts
 followed by soil compaction and documentation

Excavation of Phase 7 ongoing

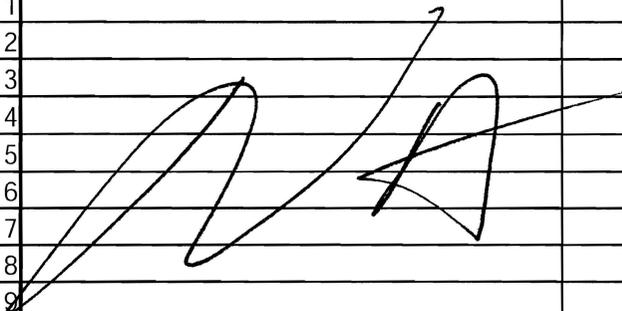
No off site hauling



B. Excavations / Soil Management:

All excavated soils staying onsite

C. Off Site Hauling

	Weight Ticket Number	Weight of Load in Pounds
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Auditor's Signature: 
Auditor's Printed Name: John G. Spear, Jr
Management Signature: 
Management Printed Name: Robert Bennett
Management Title: Ops Mgr

Date: 8/15/04
Date: _____



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes

**VEOLIA EMERALD PARK LANDFILL
AUDIT PHOTOS
CITY OF MUSKEGO**

PROJECT NO. 1012.10030



New lift in Phase 6



Active Area

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



West Slope of Phase 6



Excavation of Phase 7



Excavation of Phase 7



Placement of soils to bring Phase 5 East slope up to final grades for Closure Area III



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 12/28/11
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of August 22, 2011. The audit was performed at 12:50 pm on **August 26, 2011** by Jo Spear Jr. in the presence of Robert Bennett.

The following conditions were noted during this Audit of the VEPL Facility:

- Working face in new lift on Northwest corner of active area
 - Previous daily and intermediate cover in excellent condition
 - Autofluff and site soils for cover
- Leachate being discharged to MMSD
- Flare in operation during audit, no shut downs
 - Vegetation recovering
 - No shutdowns, turned off and fluctuations during well extensions
- No storm events since last audit
 - Basins and ditches in good shape
 - south slope of phase 5 to receive temp seed
- No on or offsite odors
- No litter, site cleaned for cap placement
- US45 and 8 Mile Road clean
- Tipping scale camera and equipment operators inspecting waste ~1800tpd
 - Random Load inspection date was 8/25/11,
- Cap placement (HDPE) began on 8/25/11, placement by Chesapeake, JSA to conduct audit at cap completion
- Seep discovered and repaired on North slope of Phase 4 on 8/25/11
- Construction Audit
 - Oaks excavating Phase 7

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos



MEMORANDUM

- Chesapeake placing plastic cap while Oaks finishes soil work for closure Arca III
- 123,000 excavated and remaining to be removed, no offsite hauling

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA EMERALD PARK LANDFILL
LANDFILL OPERATIONS AUDIT FORM
CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE August 26, 2011
Auditor on site at: Open Close

TIME 12:50

WEATHER Sunny Clear

WIND S 10-15

TEMP Maximum 80 °F Minimum 65 °F

B.P. 30.07

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
2	Dozer						
1	Excavator						
1	Haul Truck						
1	Water Truck						
1	Sweeper						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance
1	DL		✓				

A. Working Face Size and Location:

Working face in new fill on Northwest corner of Active Area. Previous Paths & Intermediate cover in excellent condition



Cover Material:

Autoglass & Site Soils

B. Leachate Management:

Discharges to MMSD

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Turbines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Engines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Shutdowns Since Last Audit:	#			
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

No shutdowns, started off & Fluctuations during well extensions

D. Surface Water Management:

Storm Events Since Last	#	Est. Volume
	0	

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Basins & Ditches in good shape, South Slope of Phase 5 to receive temp seed Sept 6

E. Odor Control:

Odors Present: Onsite Offsite

Comments: No odors

F. Special Waste Handling: storage of fingerprint samples and testing procedures

None



G. Litter Control:

Litter Present Onsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Litter Present Offsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Pickers Active:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#

Comments:

Site cleaned for cap placement

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

US 45 & 2 mile road clean

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Equipment Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	3
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:		8/25/2011		

Comments:

~ 1/200 TPD

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		
3.		
4.		

Comments:



L. Other Comments:

- * Cap Placement (HDPE) BEGAN yesterday 8/25/2011, placement by Chesapeake, JSA to conduct audit at Cap completion
- * Seep discovered and repaired on North Slope Phase 4 on 8/25/2011

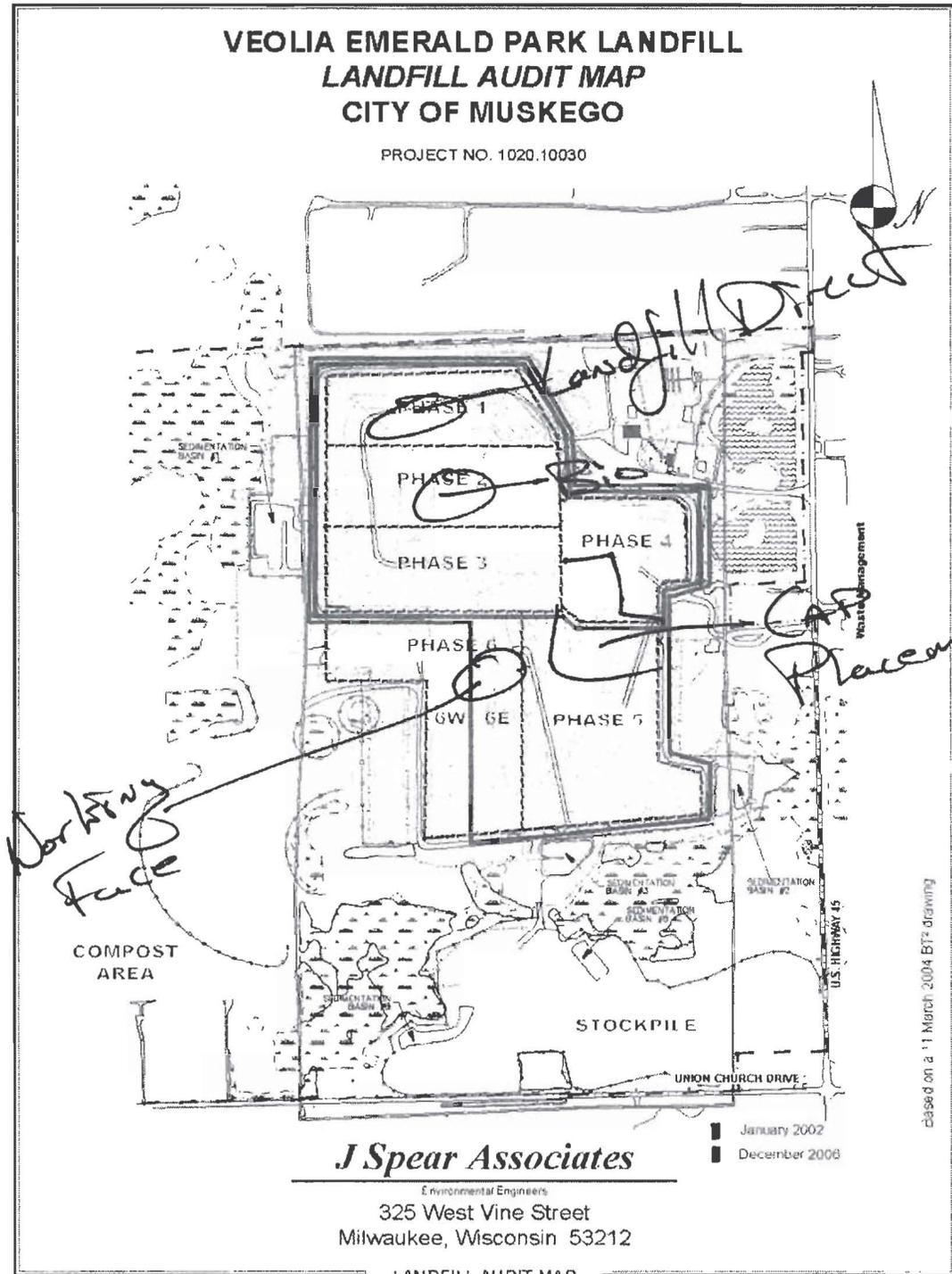
Auditor's Signature: [Signature]
Auditor's Printed Name: Jo-Walter Spear Jr
Management Signature: [Signature]
Management Printed Name: Robert Bennett
Management Title: Ops Mgr
JSA Principal Signature: _____

Date: 8/26/2011
Date: 8-26-2011
Date: _____



VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO

PROJECT NO. 1020.10030



based on a 11 March 2004 BTR drawing

J Spear Associates

Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

LANDFILL AUDIT MAP



VEOLIA EMERALD PARK LANDFILL
 LANDFILL CONTRACTORS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE _____ TIME _____

MAJOR EQUIPMENT USED IN CONSTRUCTION OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
2	Compactor						
3	Dozer						
4	Excavator						
2	Haul Truck						
	Water Truck						
	Sweeper						

A. Work Accomplished Today (Scheduled & Completed):

Daks excavating Phase I

Chesapeake placing plastic cap while Daks finishes soil work for Closure Area III



B. Excavations / Soil Management:

2 123,000 cu yd remaining to be removed. No off site hauling.

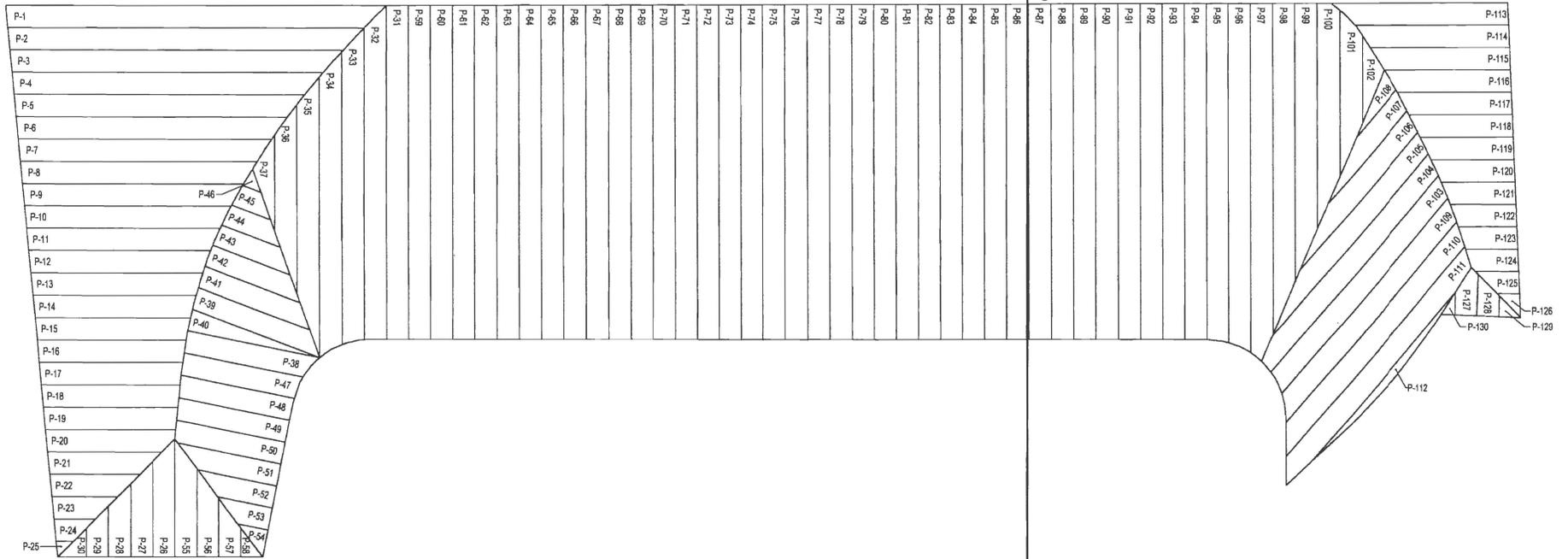
C. Off Site Hauling

	Weight Ticket Number	Weight of Load in Pounds
1		
2		
3		
4	NONE	
5		
6		
7		
8		
9		
10		

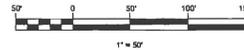
Auditor's Signature: [Signature]
 Auditor's Printed Name: Joe-Walter Spear Jr
 Management Signature: [Signature]
 Management Printed Name: Robert Dennis
 Management Title: Ops Manager

Date: 8/26/2011
 Date: 8-26-2011

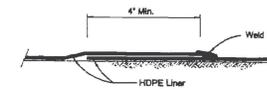




PANEL LAYOUT



Typical Hot Wedge Double Track Fusion Weld
Not to scale



Typical Extrusion Weld
Not to scale



REVISIONS		
NO.	DATE	DESCRIPTION


CHESAPEAKE
 CONTAINMENT SYSTEMS, INC.
www.ccsliners.com

352 Earls Road
 Middle River, MD 21220
 1.888.50.LINER(54637)
 office: 410.335.5886
 fax: 443.303.1682

PROPOSED PANEL LAYOUT PLAN
 AREA-3 FINAL COVER

VEOLIA ES EMERALD PARK LANDFILL, LLC
 MUSKOGEE, WISCONSIN

PROJECT DATA		DRAWING DATA	
DATE		SCALE	
DRAWN BY		DATE	
CHECKED BY		PROJECT NO.	
DESIGNED BY		SHEET NO.	
APPROVED BY		SHEET TOTAL	

PL - 01

SHEET 01 of 01

VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes

**VEOLIA EMERALD PARK LANDFILL
AUDIT PHOTOS
CITY OF MUSKEGO**

PROJECT NO. 1012.10030



Panels of HDPE placed as part of Cap construction



Toe of slope, anchor trench

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Finished clay placement awaiting HDPE Cap



Undocumented clay cap South of HDPE cap placement



Gas well extension ongoing, along South slope of Phase 5



South slope of Phase 5 being restored and awaiting seeding



Landfill direct soils being tipped in Phase 2/3



Bio soils being tipped in Phase 2/3



Working face on Northwest corner of Active area, Phase 6



Cap placement viewed from the Northeast



Access to active area



Excavation activities



Excavation of Phase 7



Active area with tire box, all tires tipped will go in the box rather than down slope or covered



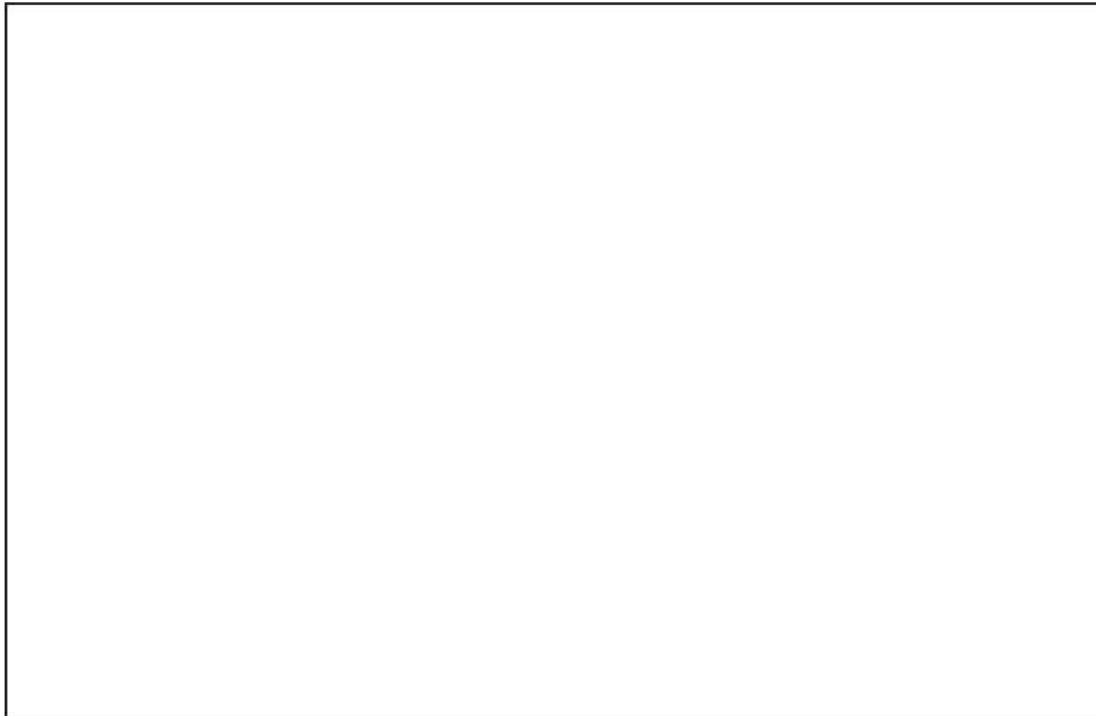
Anchor trench with cap placement



Top of slope anchor trench



Well penetrations waiting for boots to be sealed





MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 12/28/11
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of August 29, 2011. The audit was performed at 2:00 pm on **August 31, 2011** by Jo Spear Jr. in the presence of Robert Bennett.

The following conditions were noted during this Audit of the VEPL Facility:

- Working face in Phase 1,2 & 3 for soils
 - MSW being tipped in Phase 5/6, junction at south end
 - Asbestos being placed on west end
 - Autofluff and site soils for cover
- Leachate being discharged to MMSD
- Flare in operation during audit, no shut downs
 - Vegetation in good condition
 - No shutdowns, well changes complete for closure area
- No storm events since last audit
 - Basins with plenty of free board
- No on or offsite odors
- Very little litter on site; 2 pickers active
- US45 and 8 Mile Road clean, some dusty patches at entrances
- Tipping scale camera and equipment operators inspecting waste
 - Random load inspection date was 8/31/11, ~1900-2000tpd
- Temporary sediment basins cleaned up
- Liner for Phase 6/7 junction exposed for connection
- Seeding for south slope of Phase 5 scheduled for September 6, 17 acres of seeding
- Forcemain now extended under access roads. Work done on 8/27/11 after op hours

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos



MEMORANDUM

- Construction Audit
 - Oaks finishing grade cutting for Phase 7
 - Oaks also placing clay for cap, approx.. ½ HDPE Cap placement
 - Geotextile drainage layer placement began on 8/31/11
 - Excavation 5' in depth to go ~ 60,000 cyd to finish

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA EMERALD PARK LANDFILL
 LANDFILL OPERATIONS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE August 31, 2011
 Auditor on site at: Open Close

TIME 2:00

WEATHER Clear Sunny, Possible Rain

WIND N-NW 10-15

TEMP Maximum 78 °F Minimum 65 °F

B.P. 29.98

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1/2</u>	Compactor						
	Dozer						
	Excavator						
	Haul Truck						
<u>1</u>	Water Truck						
	Sweeper						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance
<u>1</u>	<u>HAUL TRUCK</u>		<u>✓</u>				

A. Working Face Size and Location:

Working faces in Phase 1, 2, & 3 for soils
MSW being tipped @ Phase 5/6 junction
at South end. Asbestos being placed
on West End



Cover Material:

Auto fluff & Site Soils

B. Leachate Management:

MMSD Discharge

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	
Turbines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Engines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Shutdowns Since Last Audit:	# 0			
Vegetation Condition:	Good <input type="checkbox"/>	<input checked="" type="checkbox"/> Fair	<input type="checkbox"/> Poor	<input type="checkbox"/> Dead

Comments:

Well changes complete for closure Area

D. Surface Water Management:

Storm Events Since Last	# 0	Est. Volume	
-------------------------	-----	-------------	--

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Basins with plenty of free board

E. Odor Control:

Odors Present: Onsite Offsite

Comments: No odors on or off site

F. Special Waste Handling: storage of fingerprint samples and testing procedures

None



G. Litter Control:

Litter Present Onsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Litter Present Offsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Pickers Active:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	# 2

Comments:

Very little litter on site

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

US 45 & 3 Mile (leaves, some Dusty Patches at Entrances)

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#
Equipment Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#
Random Load Inspection Dates:	8/31/2011		

Comments:

1,900 ~ 2,000 TPD

J. Rejected Loads:

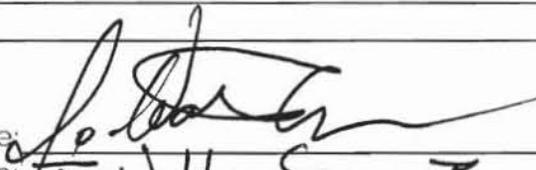
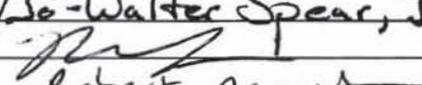
	Date/Time	Reason for Rejection
1.		None
2.		
3.		
4.		

Comments:



L. Other Comments:

- * Temp seed basins cleaned up
- * Ditch for Phase 6/7 junction exposed for connection
- * Seeding for South slope of Phase 5 Scheduled for September 6, 1.7 Acres of Seeding.
- * Foremain Dow extended under Access roads. Work done on 8/27 after op hours

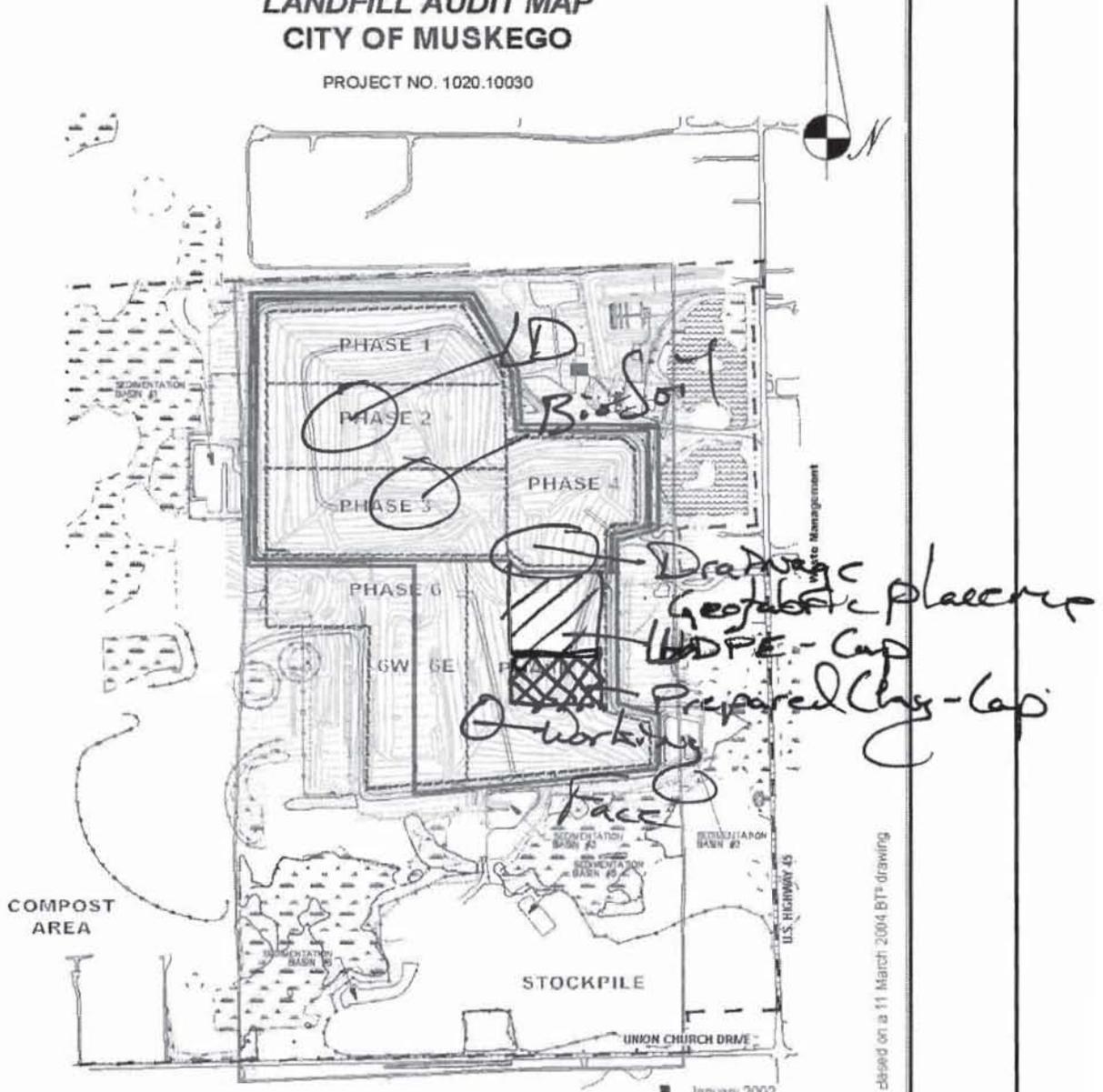
Auditor's Signature: 
Auditor's Printed Name: Joe-Walter Spear, Jr.
Management Signature: 
Management Printed Name: Robert Aemas
Management Title: Ops Manager
JSA Principal Signature: _____

Date: 8/31/11
Date: 8-31-11
Date: _____



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020.10030



dated on 11 March 2004 BT drawing

J Spear Associates

Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

LANDFILL AUDIT MAP



VEOLIA EMERALD PARK LANDFILL
 LANDFILL CONTRACTORS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE August 31, 2011

TIME 2:28

MAJOR EQUIPMENT USED IN CONSTRUCTION OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
2	Compactor		✓				
3	Dozer		✓				
2	Excavator		✓				
2	Haul Truck		✓				
	Water Truck						
1	Sweeper		✓				
1	Box Blade		✓				

A. Work Accomplished Today (Scheduled & Completed):

Oaks finishing grade cutting for Phase 7.
 Oaks also placing clay for cap
 Approximately 1/2 HDPE - Cap Placement
 Geotextile, drainage layer placement began 8/31/2011



B. Excavations / Soil Management:

2 5' in depth to go 2 60,000 cu yd
to finish

c. Off Site Hauling

	Weight Ticket Number	Weight of Load in Pounds
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

NA

Auditor's Signature: [Signature]
Auditor's Printed Name: Jo-Walter Spear Jr
Management Signature: [Signature]
Management Printed Name: Robert Bennett
Management Title: Ops Manager

Date: 8/5/2011
Date: 8-31-11



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes

**VEOLIA EMERALD PARK LANDFILL
AUDIT PHOTOS
CITY OF MUSKEGO**

PROJECT NO. 1012.10030



Geocomposite drainage layer placed over LLDPE cap



Active Area

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Active area, rough middle of site.



Excavation of Phase 7



Excavation of Phase 7



Intersection of Phase 6 & 7



Exposed liner for connection to Phase 7



Working face receiving two trucks and compactor active



Working face, approximately 3 truck widths wide



LLDPE placement too date



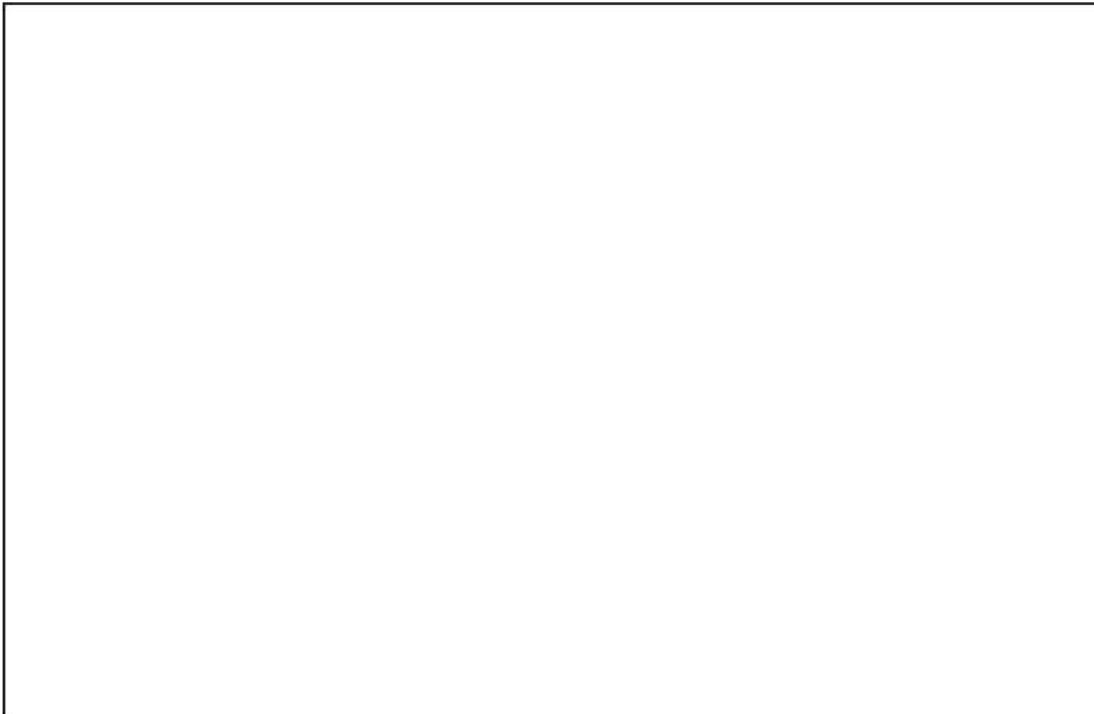
Top of slope anchor trench



Clay nearly ready for LLDPE placement, still removing stones and filling low areas.



Clay cap being prepared for LLDPE placement





September



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 12/28/11
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of September 5, 2011. The audit was performed at 2:45 pm on **September 9, 2011** by Jo Spear Jr. in the presence of Robert Bennett.

The following conditions were noted during this Audit of the VEPL Facility:

- Working face moving northward along middle of active area.
 - Next week commercial will be tipping from above & residential below
 - MSW being tipped in Phase 5/6, junction at south end
 - Autofluff and site soils for cover
- Leachate being discharged to MMSD
- Flare in operation during audit, no shut downs
 - Vegetation in good condition
 - No shutdowns, flare operating without issue
- No storm events since last audit
 - Basins with plenty of free board, closure area # work and work in Phase 5 have remedied erosion damage
- No on or offsite odors noted
- Litter onsite, 2 pickers active. Pickers active in downwind areas
- US45 and 8 Mile Road clean, Metro and Racine county sweeper active
- Tipping scale camera and equipment operators inspecting waste
 - Random load inspection date was 9/9/11,
 - ~800 MSW TPD, ~600-800 soils TPD
- Seeding started on south slope of Phase 5 & 6 and west slope of Phase 6
- Connection pits in Phase 4 to final toe drain
- New access ramp to active area

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos



MEMORANDUM

- Construction Audit
 - Closure area 3 LLDPE Placement nearly complete. Geocomposite layer being placed at LLDPE passes testing
 - Soil being placed on Geocomposite
 - Oaks excavating phase 7, northern edge has reached base construction grade
 - Excavations: Majority to be excavated and placed as finished subgrade

VEOLIA EMERALD PARK LANDFILL
LANDFILL OPERATIONS AUDIT FORM
CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE September 9, 2011 TIME 2:45
Auditor on site at: Open Close

WEATHER Clear Sunny, Pleasant WIND S 5-10

TEMP Maximum 73 °F Minimum 58 °F B.P. 30/10

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
1	Dozer						
	Excavator						
1	Haul Truck						
1	Water Truck						
	Sweeper						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance
1	Compactor		✓				
1	Dozer		✓				

A. Working Face Size and Location:

Working face moving northward along middle of active area. Next week commercial will be tipping from above & residential below



Cover Material:

Autohuff & Site Soils

B. Leachate Management:

Discharge to MMSD

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Turbines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Engines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Shutdowns Since Last Audit:	# 0			
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Flare operating without issue

D. Surface Water Management:

Storm Events Since Last	# 0	Est. Volume	
-------------------------	-----	-------------	--

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Basins have plenty of free board, Closure Area 3 Work & Work up Phases have removed erosion damage

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

F. Special Waste Handling: storage of fingerprint samples and testing procedures

None



G. Litter Control:

Litter Present Onsite:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	
Litter Present Offsite:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	
Pickers Active:	YES	<input type="checkbox"/>	NO	<input type="checkbox"/>	# 2

Comments:

Pickers active in ~~the~~ downwind areas

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

US 45 & 8 Mile road clean Metro & Racine County Sweepers Active

I. Inspection of incoming Waste:

Scale Camera Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#
Equipment Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#
Spotter:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#
Random Load Inspection Dates:	7/7/2011				

Comments:

~ 800 MSW TPD
~ 600-800 Soils TPD

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		
3.		
4.		

Comments:



L. Other Comments:

* Seeding started on South Slope of Phase 5 of 6 and West Slope of Phase 6.

* ~~Connection~~ pits in phase 4 to find toe drain

* New access ramp to active area,

Auditor's Signature:

[Handwritten Signature]

Date:

9/2/00

Auditor's Printed Name:

Jo-Walter Spear, Jr

Management Signature:

[Handwritten Signature]

Date:

9-4-11

Management Printed Name:

Robert Bruns

Management Title:

OS Manager

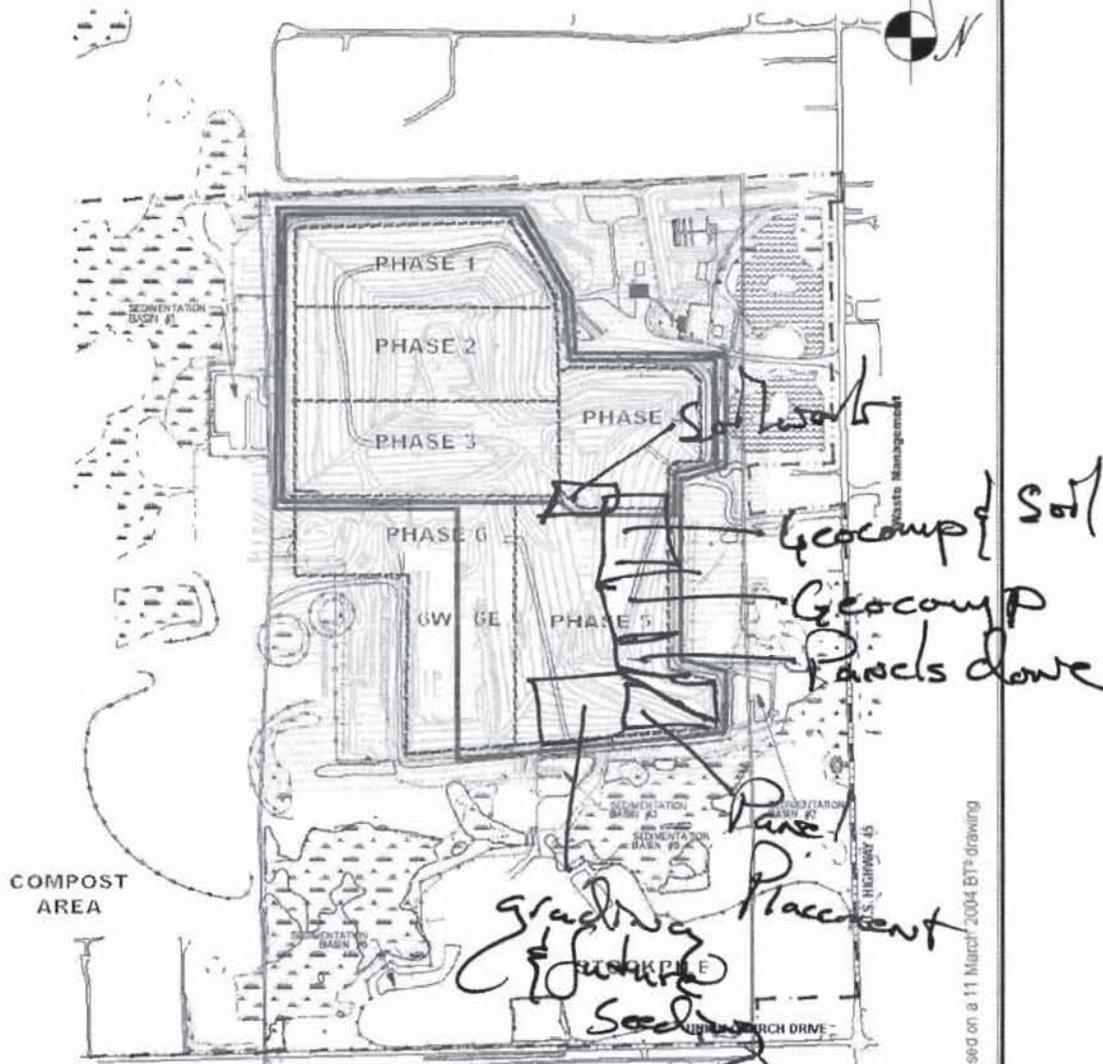
JSA Principal Signature:

Date:



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020.10030



closed on a 11 March 2004 BT* drawing

J Spear Associates

Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

LANDFILL AUDIT MAP



VEOLIA EMERALD PARK LANDFILL
LANDFILL CONTRACTORS AUDIT FORM
CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE September 9, 2011 TIME 2:55

MAJOR EQUIPMENT USED IN CONSTRUCTION OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor			#	Dumps		
7	Dozer						
2	Excavator						
	Haul Truck						
1	Water Truck						
1	Sweeper - Broom						
1	Material Handler						

A. Work Accomplished Today (Scheduled & Completed):

Closure Area 3 LLDPE Placement nearly complete. Geocomposite layer being placed as LLDPE Passes testing.

Soil being placed on geocomposite

Oaks excavating phase 7, Northern edge has reached base construction grade.



B. Excavations / Soil Management:

Majority to be excavated and placed as finished subgrade

C. Off Site Hauling

	Weight Ticket Number	Weight of Load in Pounds
1	Na	
2		
3		
4		
5		
6		
7		
8		
9		
10		

Auditor's Signature: [Signature]
 Auditor's Printed Name: Dr. Walter Speer, Jr.
 Management Signature: [Signature]
 Management Printed Name: Robert Bennett
 Management Title: Ops Manager

Date: 9/9/2011
 Date: 9-9-11



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes

**VEOLIA EMERALD PARK LANDFILL
AUDIT PHOTOS
CITY OF MUSKEGO**

PROJECT NO. 1012.10030



Tractor used for discing in seed, being performed on Phase 5 and 6 slopes



Active Area

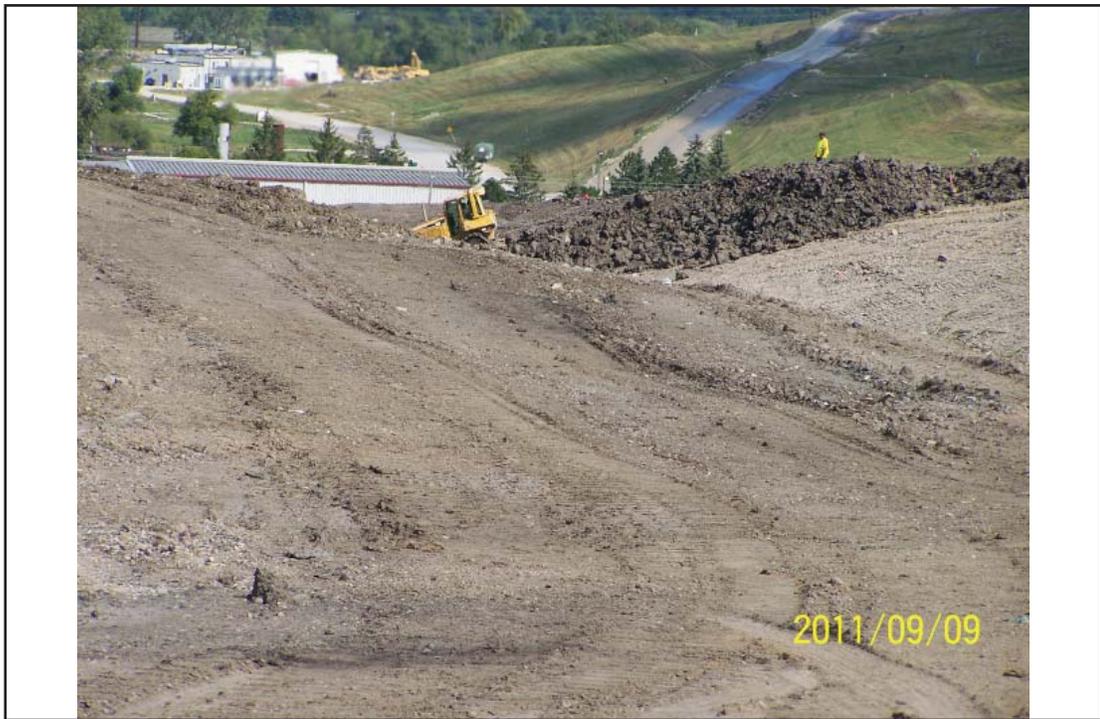
JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Working face



Soil and clay placement on North slope of Phase 4



Excavation of Phase 7



Dog leg of Phase 5, South slope



Panels being cut and set into place



LLDPE Cover/Cap nearly completed, Geocomposite layer being placed



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 12/28/11
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of September 12, 2011. The audit was performed at 6:30 – 7:10am on **September 16, 2011** by Jo Spear Jr. in the presence of Robert Bennett.

The following conditions were noted during this Audit of the VEPL Facility:

- Biosoils and landfill direct being tipped on Phase 2/3, MSW tipped in middle of Phase 5/6.
 - Large vehicles tipped above and smaller haulers below
 - Next week commercial will be tipping from above & residential below
 - Autofluff and site soils for cover
- Leachate recirculation will be 3 days per week
- Flare in operation during audit, no shut downs
 - Vegetation in good condition
 - Flare operation stable
- No storm events since last audit
 - Basins being cleaned in sequence
- Minor gas odors on and about site
- Oaks picking litter in excavation, one picker active
- US45 and 8 Mile Road clean
 - Access roads on site dusty and gritty due to soil hauling
- Tipping scale camera and equipment operators inspecting waste
 - Random load inspection date was 9/15/11, ~1800 TPD
- 6:30am - construction gate open, tri-axle dumps queuing
 - Main gate open
 - vans and trailer parked before scale, not waste hauler 86-952X

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos



MEMORANDUM

- 6:45am - first waste hauler at gate
- Camera failed during audit
- Disking and seeding complete
- Excavation to find contractors for Phase 6 releasing some gas leading to odor
- Construction Audit
 - Excavation – subgrade reached in large area. All soils being used on site
 - Cap – LLDPE deployment complete, Geocomposite deployment nearly complete
 - Soil Cap placement ½ complete
- No photos taken during audit

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos

DL
20-42

VEOLIA EMERALD PARK LANDFILL
LANDFILL OPERATIONS AUDIT FORM
CITY OF MUSKEGO

PROJECT NO: 1020.10030

DATE September 16, 2011
Auditor on site at: Open Close

TIME 6:30 - 7:10

WEATHER Cloudy, crisp

WIND 0

TEMP Maximum 59 °F Minimum 42 °F

B.P. 30736

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
2	Dozer						
1	Excavator						
1	Haul Truck						
	Water Truck						
	Sweeper						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance
1	Compactor		✓				

A. Working Face Size and Location:

Bio soil $\frac{1}{2}$ landfill direct being tipped on Phases 2 & 3. MSW being tipped in middle of Phase 5 & 6. Large vehicles tipped above and smaller haulers below.



Cover Material:

Autofluff and site soils

B. Leachate Management:

Recirc will be 3 days per week

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	
Turbines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	
Engines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	
Shutdowns Since Last Audit:	#	0		
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Flare operation has been stable

D. Surface Water Management:

Storm Events Since Last	# 0	Est. Volume	
-------------------------	-----	-------------	--

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Basins being cleaned in sequence

E. Odor Control:

Odors Present:

Onsite <input checked="" type="checkbox"/>	Offsite <input checked="" type="checkbox"/>
--------------------------------------------	---------------------------------------------

Comments:

Minor gas odor on 1/2 about site

F. Special Waste Handling: storage of fingerprint samples and testing procedures

None



G. Litter Control:

Litter Present Onsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Litter Present Offsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Pickers Active:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	# 1

Comments:

Dates picking litter in excavation

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

*US 45 & 8 Mile Road clear.
Access roads on site dusty & gritty due to soil handling*

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	# 1
Equipment Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	# 3
Spotter:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#

Random Load Inspection Dates:

9/15/2011

Comments:

2,600 TAD

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		<i>None</i>
2.		
3.		
4.		

Comments:



L. Other Comments:

* 6:30 AM - Construction gate open tri-axle dumps queing

* 6:30 AM - Main Gate open, Vans & Trailer parked before scale, not a waste hauler 86-952 X

6:45 AM - First Waste Hauler At Gate

* Camera failed during Audit.

* Disking and seeding complete

* Excavations to find connectors for Phase 6 releasing some gas, leading to odor

Auditor's Signature: _____

Auditor's Printed Name: _____

Management Signature: _____

Management Printed Name: _____

Management Title: _____

JSA Principal Signature: _____

Date: 9/16/04

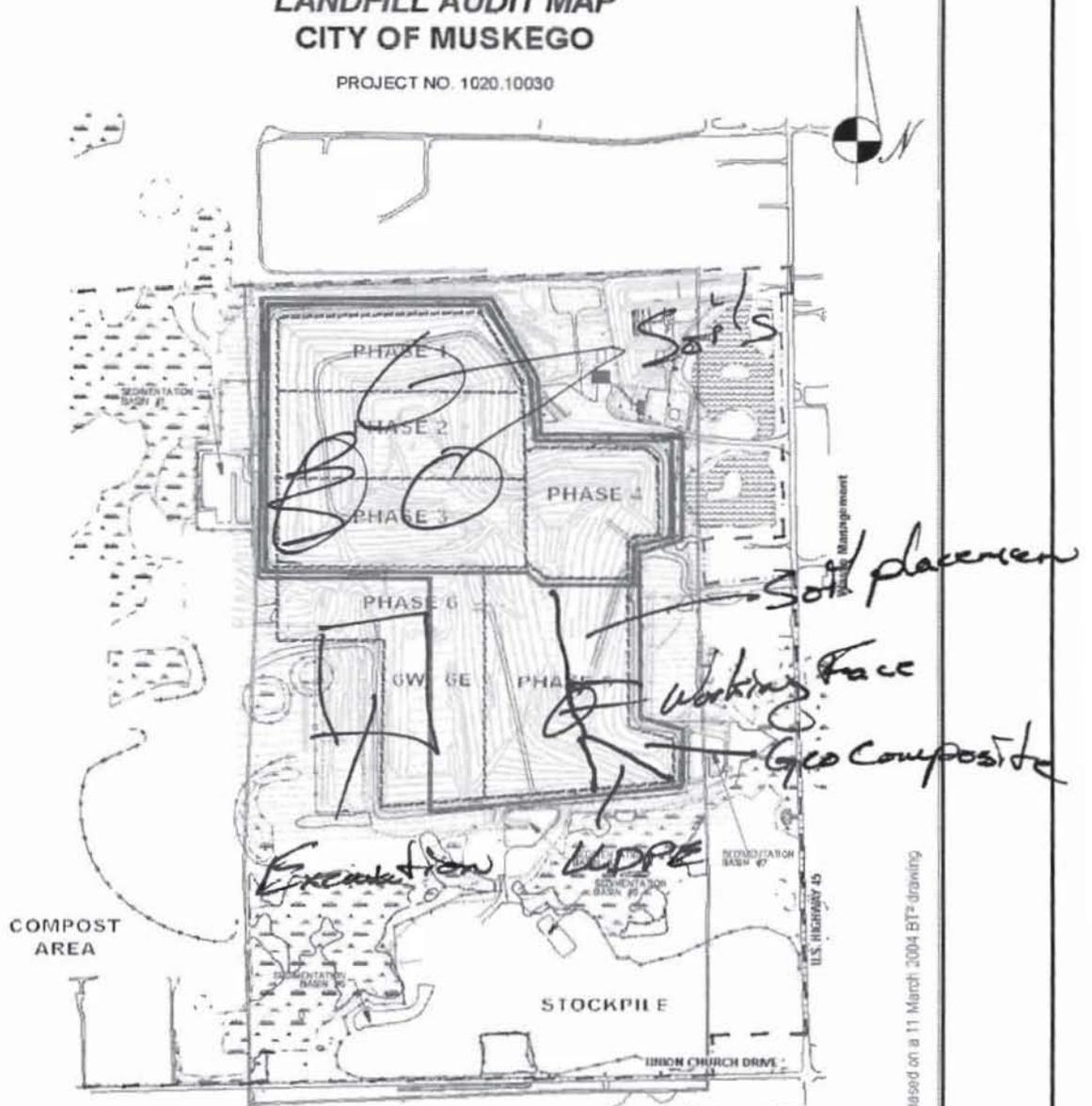
Date: _____

Date: _____



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020.10030



dated on 11 March 2004 BTZ drawing

J Spear Associates

Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

LANDFILL AUDIT MAP



VEOLIA EMERALD PARK LANDFILL
 LANDFILL CONTRACTORS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE September 16, 2011 TIME 7:31

MAJOR EQUIPMENT USED IN CONSTRUCTION OPERATIONS

NO.	DESCRIPTION	Rented	Contracted	NO.	DESCRIPTION	Rented	Contracted
	Compactor		✓	1	Mat Handler		✓
3	Dozer		✓				
2	Excavator		✓				
	Haul Truck						
	Water Truck						
	Sweeper						
5	Dumps		-				

A. Work Accomplished Today (Scheduled & Completed):

Excavation
 Subgrade reached in large area. All
 soils being used on site

Cap
 LLDPE Deployment Complete
 Geocomposite Deployment Nearly
 Complete
 Soil Cap Placement 1/2 Complete



B. Excavations / Soil Management:

None

C. Off Site Hauling

	Weight Ticket Number	Weight of Load in Pounds
1	None	
2		
3		
4		
5		
6		
7		
8		
9		
10		

Auditor's Signature: [Signature]
Auditor's Printed Name: Jo Walter Spear Jr
Management Signature: [Signature]
Management Printed Name: Robert Bennett
Management Title: Ops Manager

Date: 9/16/2011
Date: _____



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 12/28/11
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of September 19, 2011. The audit was performed at 12:30 pm on **September 19, 2011** by Jo Spear Jr. in the presence of Dean Driggett.

The following conditions were noted during this Audit of the VEPL Facility:

- Working face in center line of active area
 - Sludge load being received during audit, liquid loads are being received
 - Cover in good condition, no soil loads due to weather
 - Autofluff & foundry sands stockpiled
- Leachate discharged to MMSD, some surface application
- Flare in operation during audit, no shut downs, ~1600 cfm
 - Vegetation in good condition
- One storm event since last audit, ~1/2"
 - Basin 1 being cleaned as weather permits, ~2" of sediment to be removed
- Gas odor at Phase 6 south end
- Fences and 2 pickers active
- US45 dusty. Site roads being wetted and brushed during audit
- Topsoil being stripped from AG areas for closure area
- Basin cleaning for other basins scheduled as weather permits; basin silt depth are approx. 2"
- Excavation to find contractors for Phase 6 releasing some gas leading to odor
- Construction Audit
 - Due to rain, Oaks not active with excavation; Road repairs, topsoil collection, cap drainage and pumping excavation ongoing.
 - Geotextile placement completed, cap crew complete and offsite
 - Soil placement remains
 - 60,000 cyd to be removed and used as final subgrade
 - No offsite hauling

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA EMERALD PARK LANDFILL
 LANDFILL OPERATIONS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE September 19, 2011 TIME 12:30
 Auditor on site at: Open Close

WEATHER Overcast, Rainy WIND N S-10
 TEMP Maximum 71 °F Minimum 46 °F B.P. 29.93

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
1	Dozer						
1	Excavator						
	Haul Truck						
	Water Truck						
	Sweeper						
1	?						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

*Working face in center line of active area
 Sludge loads being received during audit
 liquid loads are being received
 Cover in good condition, no soil loads due to
 weather*



Cover Material:

Autofluff & Foundry sands - stockpiled

B. Leachate Management:

Leachate discharged to water, some surface application

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Turbines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Engines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Shutdowns Since Last Audit:	# 1			
Vegetation Condition:	Good <input type="checkbox"/>	<input checked="" type="checkbox"/> Fair	<input type="checkbox"/> Poor	<input type="checkbox"/> Dead

Comments:

2/1/00 ofm

D. Surface Water Management:

Storm Events Since Last	#	1	Est. Volume	~1/2"
-------------------------	---	---	-------------	-------

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Basins 1 being cleaned as weather permits
~2' of settlement to be removed

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

gas odor at Phase 6 South end

F. Special Waste Handling: storage of fingerprint samples and testing procedures

None



G. Litter Control:

Litter Present Onsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Litter Present Offsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Pickers Active:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	# 2

Comments:

Fences & Pickers active

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

US #5 Dusty. Site roads being watered & brushed during audit

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Equipment Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	3
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:		9/15/2014		

Comments:

2 1,000 TPD

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		
3.		
4.		

Comments:



L. Other Comments:

* Topsoil being stripped from Ag areas for closure Area

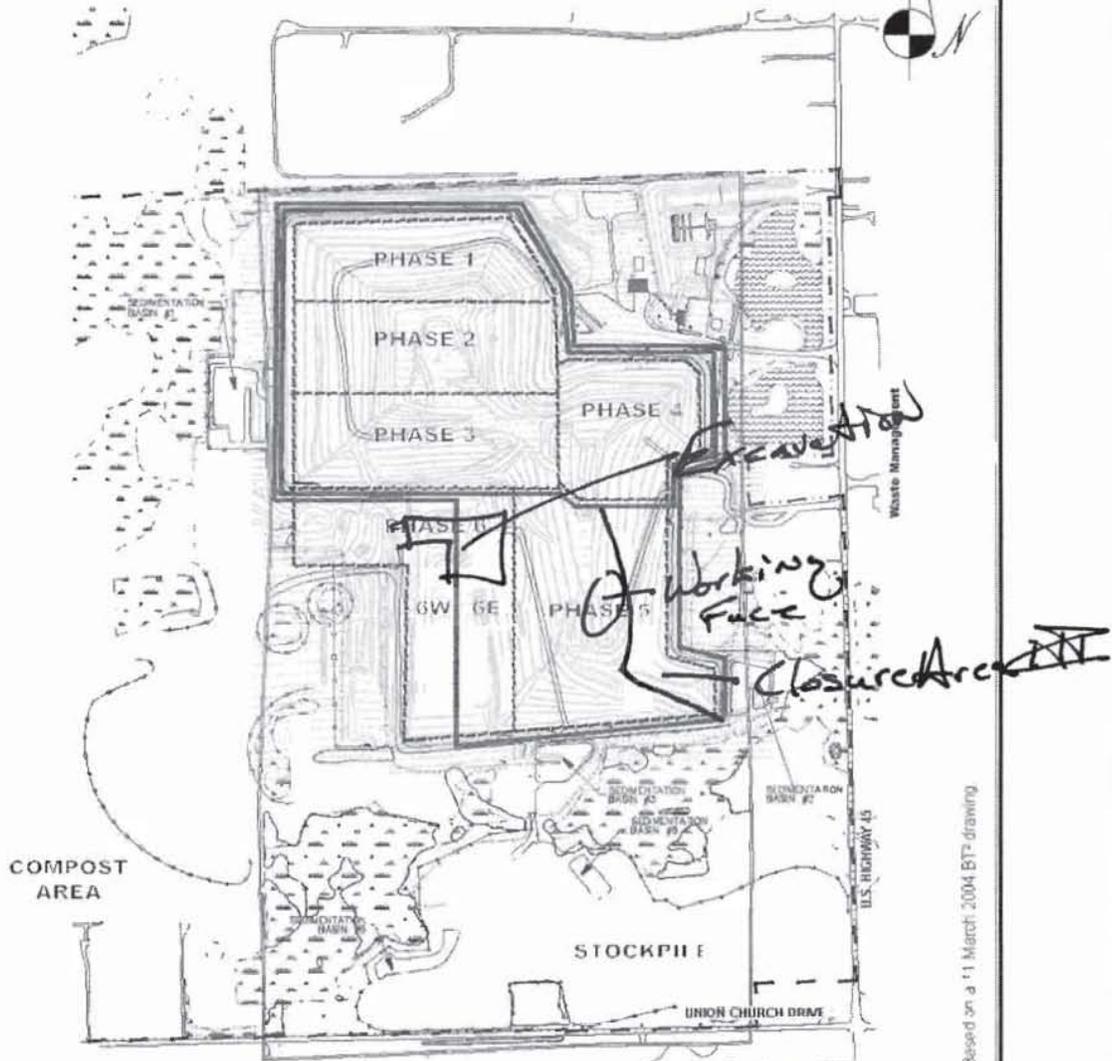
* Basin cleanings for other Basins scheduled as weather permits; Basin silt depths are approx. 2'

Auditor's Signature: [Signature] Date: 2/19/2011
Auditor's Printed Name: John Walter Spear, Jr.
Management Signature: [Signature] Date: 2/19/2011
Management Printed Name: DEAN DREYER
Management Title: _____
JSA Principal Signature: _____ Date: _____



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020 10030



based on a 11 March 2004 BTT drawing

J Spear Associates

Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

January 2002
December 2008

LANDFILL AUDIT MAP



VEOLIA EMERALD PARK LANDFILL
 LANDFILL CONTRACTORS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE September 19, 2011 TIME 12:55

MAJOR EQUIPMENT USED IN CONSTRUCTION OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
	Compactor						
1	Dozer						
1	Excavator						
	Haul Truck						
1	Water Truck						
1	Grader <u>Grader</u>						

A. Work Accomplished Today (Scheduled & Completed):

Due to rain Ops not active with excavation,
 But road repairs, topsoil collection, Cap drainage,
 and pumping excavation ongoing

Geo textile placement complete. Cap crew
 complete & off site. Soil placement
 remains.



B. Excavations / Soil Management:

a 60,000 cu yd to be removed and used as final subgrade.

C. Off Site Hauling

	Weight Ticket Number	Weight of Load in Pounds
1		
2		
3	No off site hauling	
4		
5		
6		
7		
8		
9		
10		

Auditor's Signature: [Signature]
 Auditor's Printed Name: DE-Valter...
 Management Signature: [Signature] DEAN DRIBETT
 Management Printed Name: _____
 Management Title: _____

Date: 9/18/11
 Date: 9/19/11



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes

**VEOLIA EMERALD PARK LANDFILL
AUDIT PHOTOS
CITY OF MUSKEGO**

PROJECT NO. 1012.10030



Final cover clay placement at North end of Phase 5



Closure area III

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Final cover clay, and location of well 35.



Well lost and abandoned.



Active Area



Topsoil being stripped from field for use in cover



Nearly completed side slopes, awaiting clay placement for subgrade



Ongoing excavation of future Phase



Northern excavation limits



Compactor in working face



Stockpiled foundry sand



Stockpiled auto fluff



Basin 1 being cleaned



E-waste collected at residential drop off



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

To: Veolia Emerald Park Landfill Standing Committee, City of Muskego

FROM: Anna Krajcik

COPIES: File

DATE: 12/28/11

PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of September 19, 2011. The audit was performed at 12:30 pm on **September 19, 2011** by Jo Spear Jr. in the presence of Robert Bennett.

The following conditions were noted during this Audit of the VEPL Facility:

- Working face at south end of active area, tight area
 - Equipment tipping above working face
 - Autofluff and site soils for cover
- Leachate used for surface application from tank
- Flare in operation during audit, gas loss at Phase 5/6 south slope
- Three storm event since last audit, ~2"
 - Rain effecting construction schedule and basin cleaning schedule
- No offsite odors and onsite gas odor at Phase 5/6 south slope
- Rain and lack of wind keeping litter down, new mobile fence deployment affective
- US45 & 8 Mile Road both clean, no construction traffic
- Tipping scale camera and equipment operators inspecting waste
 - Random load inspection date was 9/23/11 ~2000 tpd
- Brett called auditor in am to explain that a seep had occurred in the juncture of Phase 6/7. Phase 7 runoff water now to be treated as leachate and will be pumped into force mains or trucks
- No construction this week due to rain, Oaks managing pumps about site

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA EMERALD PARK LANDFILL
 LANDFILL OPERATIONS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE September 20, 2011
 Auditor on site at: Open Close

TIME 1:35

WEATHER Raining, Overcast

WIND S 0-10

TEMP Maximum 63 °F Minimum 49 °F

B.P. 29.83

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	Compactor						
<u>2</u>	Dozer						
	Excavator						
	Haul Truck						
<u>1</u>	Water Truck <u>leachate trucks</u>						
	Sweeper						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance
<u>1</u>	Compactor	<input checked="" type="checkbox"/>					

A. Working Face Size and Location:

Working face at South end of active area
light area, equipment tapping above
Working



Cover Material:

Auto fluff and site soils

B. Leachate Management:

Tank being surface applied.

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Turbines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Engines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Shutdowns Since Last Audit:	# 0			
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Flare in operation, gas loss at Phase 5/6 South Slope

D. Surface Water Management:

Storm Events Since Last	# 3	Est. Volume	70"
-------------------------	-----	-------------	-----

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Rain affecting construction schedule & Basin cleaning schedule

E. Odor Control:

Odors Present:

Onsite Offsite

Comments:

No offsite odors, onsite gas odors at Phase 5/6 South Slope

F. Special Waste Handling: storage of fingerprint samples and testing procedures

None



G. Litter Control:

Litter Present Onsite:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	
Litter Present Offsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Pickers Active:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	# 1

Comments:

Rain and wind keeps litter down
 New mobile fence deployment effective

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

US 45 & 8 Mile Road both clean
 No construction traffic

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Equipment Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	3
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	7/23/2011			

Comments:

~ 2,000 TPD

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		
3.		
4.		

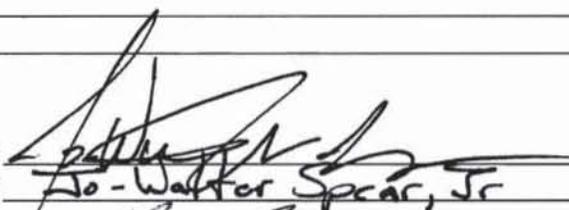
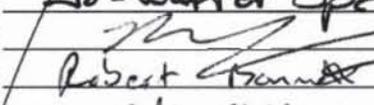
Comments:



L. Other Comments:

* Brett called this AM to explain that a seep occurred at the juncture of Phase 6 & 7. Phase 7 runoff water now to be treated as leachate and will be pumped into force mains or trucks.

* No construction this week due to rain. Oaks managing pumps about site.

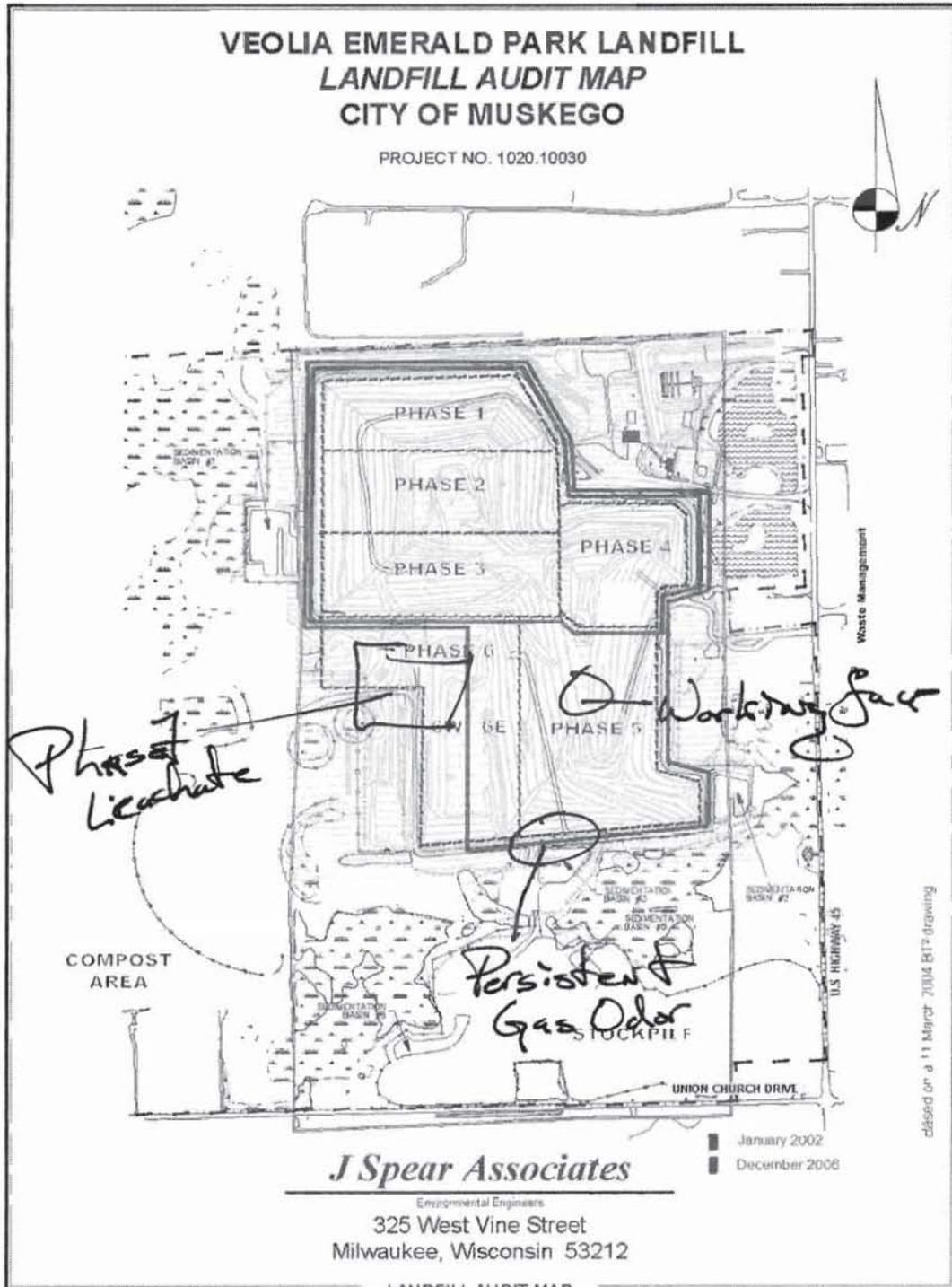
Auditor's Signature: 
Auditor's Printed Name: Robert Spear, Jr
Management Signature: 
Management Printed Name: Robert Spear
Management Title: ols mgr
JSA Principal Signature: _____

Date: 9/29/2011
Date: 9-28-2011
Date: _____



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020.10030



dated on 11 May 2004 BT drawing

J Spear Associates

Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

LANDFILL AUDIT MAP



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes

**VEOLIA EMERALD PARK LANDFILL
AUDIT PHOTOS
CITY OF MUSKEGO**

PROJECT NO. 1012.10030



Green slopes after seeding



Excavated area of Phase 7 contaminated with leachate

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Phase 6/7 junction unexcavated.



Working face



October



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

To: Veolia Emerald Park Landfill Standing Committee, City of Muskego

FROM: Anna Krajcik

COPIES: File

DATE: 12/28/11

PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of October 10, 2011. The audit was performed at 2:30 pm on **October 12, 2011** by Jo Spear Jr. in the presence of Robert Bennett.

The following conditions were noted during this Audit of the VEPL Facility:

- Working face another lift higher at south end of Phase 6
 - MSW only, no soil loads, cover in good condition
 - Access road relocation occurring to finish previous lift
 - Autofluff and site soils for cover
- Leachate discharged to MMSD
- Flare in operation during audit
- Five storm event since last audit, ~5"
 - Rain events halted cover, excavation and drainage cleaning. Phase 5 ditches being regarded.
- No odors
- Little only on west slope with one active picker
- US45 & 8 Mile Road clean, site roads dusty
- Tipping scale camera and equipment operators inspecting waste
 - Random load inspection date was 10/10/11 ~2000 tpd
- Basin cleaning halted
- New access road in active area under construction, requires after hours to complete
- South slope grass covered after seeding

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA EMERALD PARK LANDFILL
LANDFILL OPERATIONS AUDIT FORM
CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE October 12, 2011 TIME 2:30
Auditor on site at: Open Close

WEATHER Sunny, Some Clouds, Windy WIND S 10-25

TEMP Maximum 74 °F Minimum 55 °F B.P. 29.82

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	Compactor						
<u>2</u>	Dozer						
	Excavator						
<u>1</u>	Haul Truck						
<u>1</u>	Water Truck						
	Sweeper						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face another lift higher at South
end of Phase 6. MSW Only, no soil
loads. Lacer Regard conditions.
Access road relocation occurring to finish previous
lift.



Cover Material:

Autohuff & Site Soils

B. Leachate Management:

Discharge to MMST

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Turbines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Engines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Shutdowns Since Last Audit:	#			
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Flare in good operation

D. Surface Water Management:

Storm Events Since Last	#	Est. Volume
5	5	25"

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Rain events halted cover, excavation, and drainage cleaning. Phase 5 ditches being regraded

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

No Odors

F. Special Waste Handling: storage of fingerprint samples and testing procedures

None



G. Litter Control:

Litter Present Onsite:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	
Litter Present Offsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Pickers Active:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	# 1

Comments:

Litter only on West Slope with Active Picker

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

US 45 & B Mile Road Clean
Side Roads dusty.

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Equipment Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	3
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	10/20/2011			

Comments:

~ 2,000 TPD

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		
3.		
4.		

Comments:



L. Other Comments:

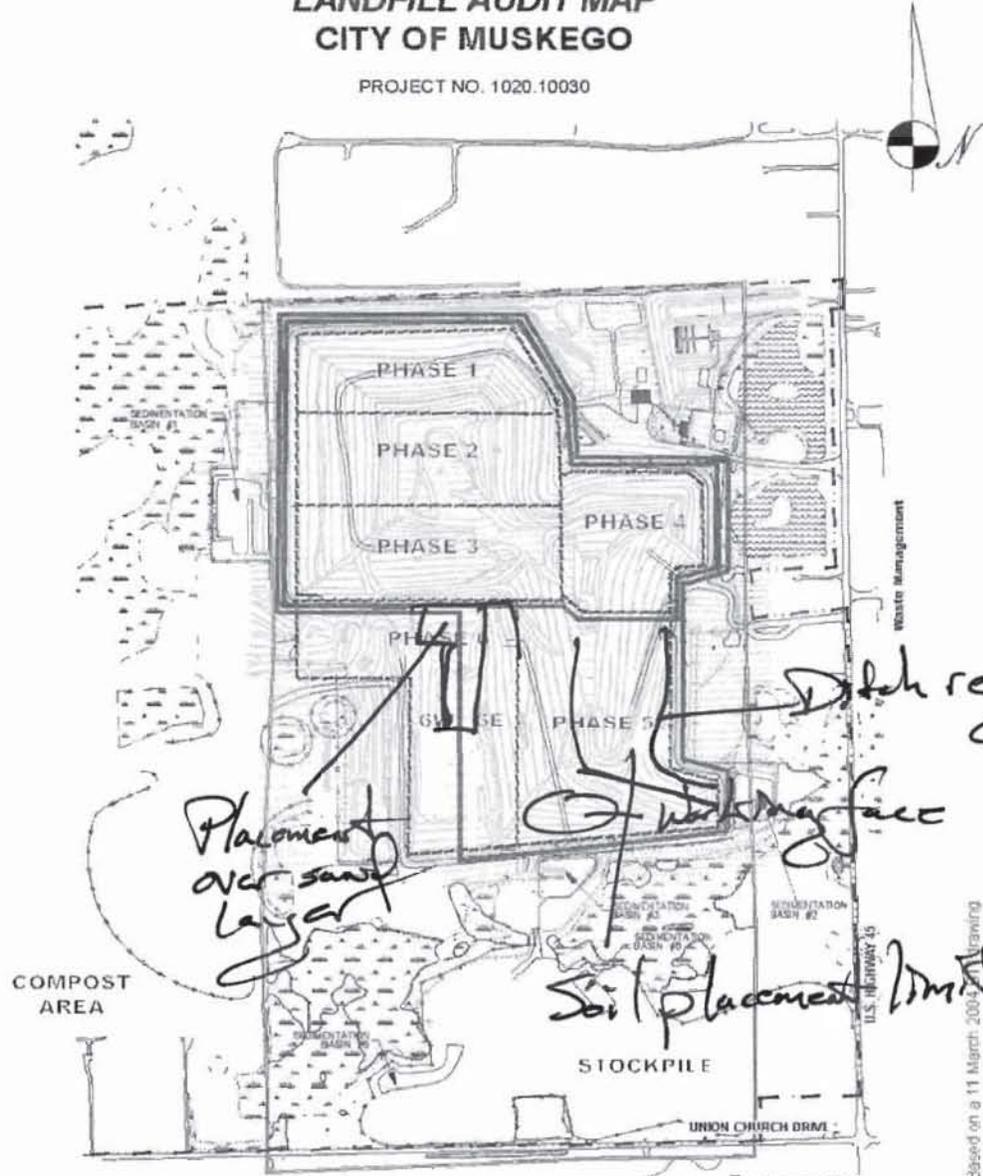
- * Busins cleaning halted
- * New access road in active area under construction, requires after hours to complete.
- * South Slope grass covered after sealing

Auditor's Signature: [Signature] Date: 10/12/2011
Auditor's Printed Name: J. Walter Spear Jr
Management Signature: [Signature] Date: 10-12-2011
Management Printed Name: Robert Bennett
Management Title: AS Manager
JSA Principal Signature: _____ Date: _____



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020.10030



COMPOST AREA

STOCKPILE

January 2002
December 2006

J Spear Associates

Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

LANDFILL AUDIT MAP

dated on a 11 March, 2004 Drawing



VEOLIA EMERALD PARK LANDFILL
 LANDFILL CONTRACTORS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE October 12, 2011 TIME 3:00

MAJOR EQUIPMENT USED IN CONSTRUCTION OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
2	Compactor						
2	Dozer						
2	Excavator						
2	Haul Truck						
	Water Truck						
	Sweeper						
#	Quad Dump						

A. Work Accomplished Today (Scheduled & Completed):

* Soil placement in closure area 3 on going. Top soil placement on Phase # 1 only.

* Drainage layer, sand, placement covered by clay in Phase 30%. Additional excavation, documentation, and sand placement required.



B. Excavations / Soil Management:

See Notes

C. Off Site Hauling

	Weight Ticket Number	Weight of Load in Pounds
1	N/A	
2		
3		
4		
5		
6		
7		
8		
9		
10		

Auditor's Signature: [Signature]
Auditor's Printed Name: Jo-Walter Spear, Jr
Management Signature: [Signature]
Management Printed Name: Robert Blumenthal
Management Title: WPS Manager

Date: 10/12/11
Date: 10-12-11



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes

**VEOLIA EMERALD PARK LANDFILL
AUDIT PHOTOS
CITY OF MUSKEGO**

PROJECT NO. 1012.10030



Clay being placed on closure area III



Minor erosion along diversion berm area

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



South slope of Phase 5



Working face at South edge of Active Area



Active area



Excavation limits



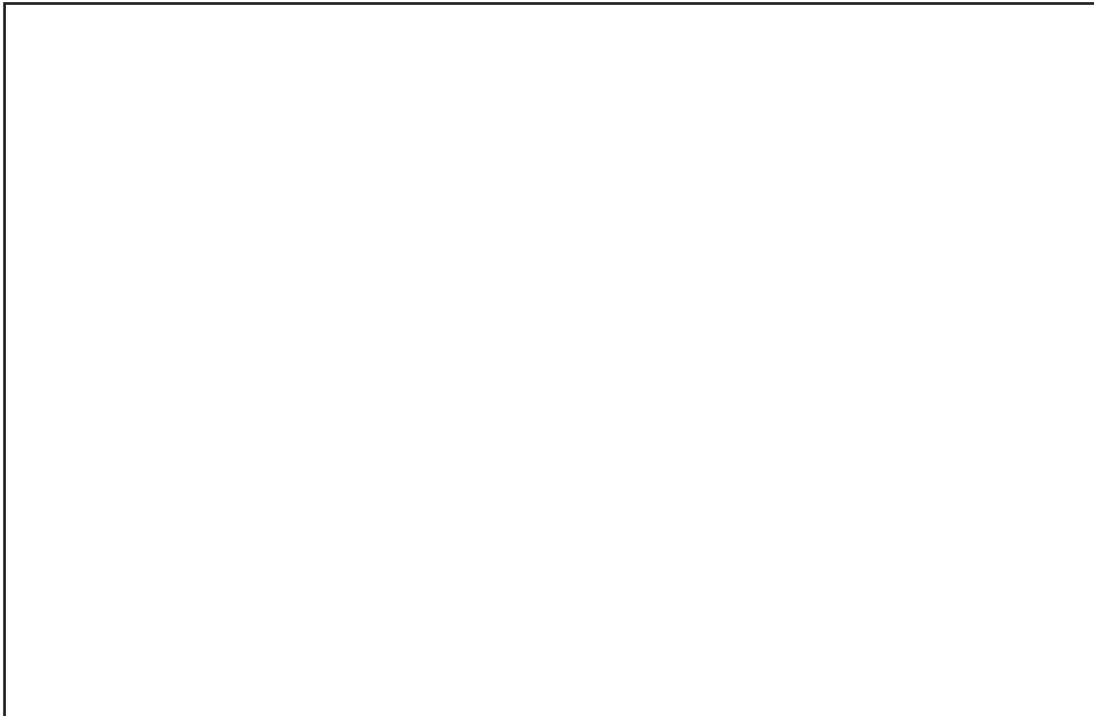
Active area access road under construction



Clay being laide over sand



Phase 7 excavation at West edge





MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 12/28/2011
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of October 17, 2011. The audit was performed at 1:05 pm on **October 20, 2011** by Jo Spear Jr. in the presence of Robert Bennett.

The following conditions were noted during this Audit of the VEPL Facility:

- Working face in southwest corner of active area on slope down corner
 - Working face placed out of the wind, ~1/4 acre in size
 - New access road to top of active area for tipping
 - Autofluff and site soils for cover
- Discharge to MMSD
- Flare in operation during audit, no shut downs
 - Flare in good running operation
- Three storm events since last audit, ~2"
 - Basin cleaning to continue after frost and freeze
- Gas odor onsite at Phase 5 vault
- Litter onsite, none offsite
 - Heavy winds causing litter in fences, 2 pickers active
- US45 and 8 Mile Roads clean, litter on WMWI roadside ditches
- Tipping scale camera and equipment operators inspecting waste ~2200tpd
 - Random Load inspection date was 10/20/11,
- Construction on hold until rain is complete

21.06

VEOLIA EMERALD PARK LANDFILL
LANDFILL OPERATIONS AUDIT FORM
CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE October 20, 2011
Auditor on site at: Open Close

TIME 1:05

WEATHER Rainy 20 and off Overcast

WIND N 15-45 gusts

TEMP Maximum 48 °F Minimum 34 °F

B.P. 29.58

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
1	Dozer						
1	Excavator						
1	Haul Truck						
	Water Truck						
	Sweeper						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face in Southwest corner of Active Area
on slope down corner, working face placed out
of the wind, 2 1/4 acre in size
New access road to top of Active Area
for tipping.



Cover Material:

Autofluff and site soils

B. Leachate Management:

Discharge to MMSD

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Turbines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Engines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Shutdowns Since Last Audit:	#		0	
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Flare in good running operation

D. Surface Water Management:

Storm Events Since Last	# 3	Est. Volume	-2'
-------------------------	-----	-------------	-----

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Basin cleaning to continue after frost & freeze

E. Odor Control:

Odors Present: Onsite Offsite

Comments: Gas odor at Phase 5 Vault

F. Special Waste Handling: storage of fingerprint samples and testing procedures

None



G. Litter Control:

Litter Present Onsite:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	
Litter Present Offsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Pickers Active:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	# 2

Comments:

Heavy winds and litter in fences

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

US45 & 8 Mile Clean, litter on Wmwa Roadside Ditches

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Equipment Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	October 20, 2011			

Comments:

~ 2,200 TPD

J. Rejected Loads:

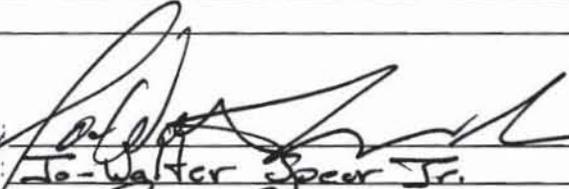
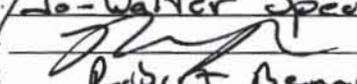
	Date/Time	Reason for Rejection
1.		
2.		
3.		None
4.		

Comments:



L. Other Comments:

* Construction on hold until rains
is ~~complete~~ ended.

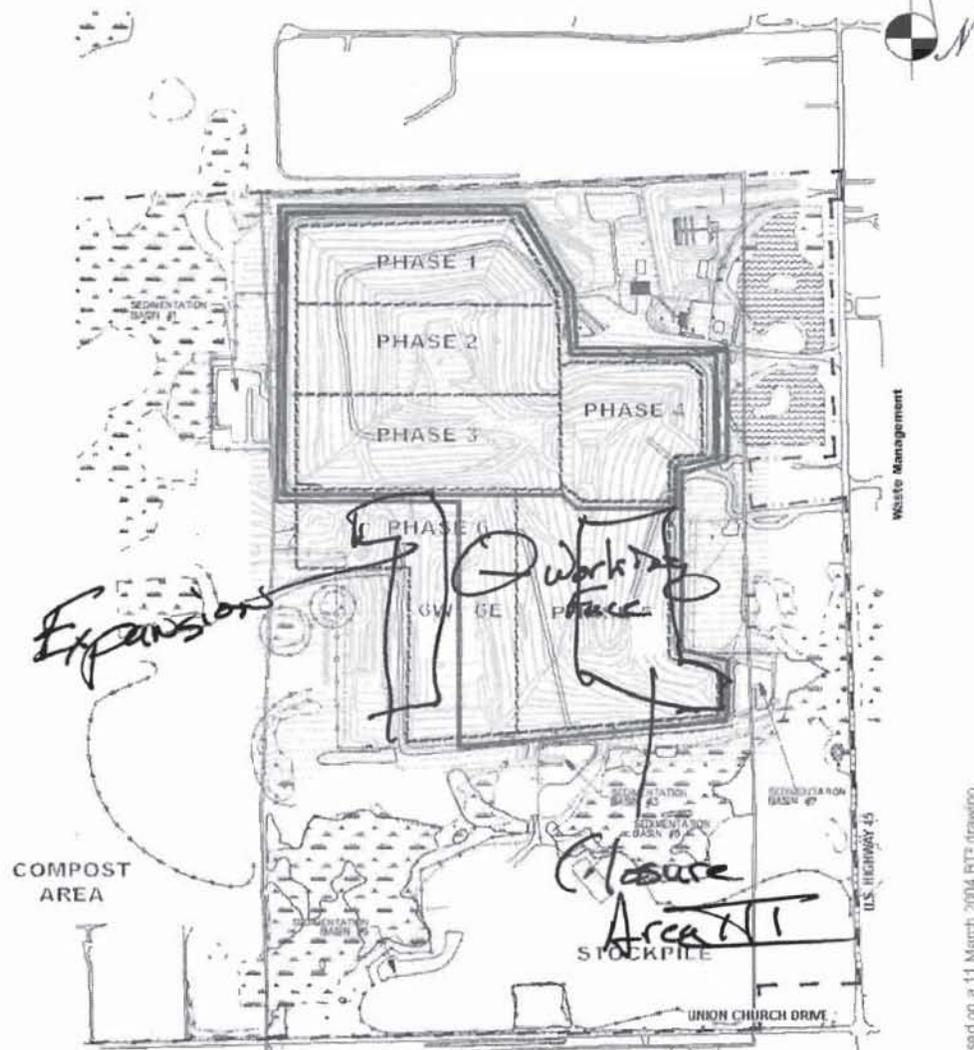
Auditor's Signature: 
Auditor's Printed Name: Jo-Walter Speer Jr.
Management Signature: 
Management Printed Name: Robert Bennett
Management Title: Ops Manager
JSA Principal Signature: _____

Date: 10/20/2011
Date: 10-20-11
Date: _____



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020.10030



based on a 11 March 2004 BTI drawing

J Spear Associates

Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

LANDFILL AUDIT MAP



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes



**VEOLIA EMERALD PARK LANDFILL
AUDIT PHOTOS
CITY OF MUSKEGO**

PROJECT NO. 1012.10030



Closure Area III South slope



Closure Area III Southeast corner

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Working face on slope



Working face



Phase 7 construction



Phase 7 Construction



Active area litter fence border



Active area litter fences downwind



Active area, wet conditions



Between Phases 6 and 7



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 12/28/2011
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of October 24, 2011. The audit was performed at 2:18 pm on **October 28, 2011** by Jo Spear Jr. in the presence of Robert Bennett.

The following conditions were noted during this Audit of the VEPL Facility:

- Working face in west edge of Phase 5 approximately across ½ the width of the face
 - New access road completed, all trucks driving top of active area for tipping
 - Site soils for cover, cover in excellent condition
- Discharge to MMSD
- Flare in operation during audit, no shut downs, ~2200cfm
- Two storm events since last audit, ~1"
 - No impact on basins
- No odors on- or offsite
- Litter onsite, none offsite
 - 2 pickers active
- US45 and 8 Mile Roads clean, litter on WMWI roadside ditches
- Tipping scale camera and equipment operators inspecting waste
 - Random Load inspection date was 10/23/11,
 - Random loads now being done with photos
- Bio and Landfill direct soils being tipped in Phase 2 & 3
- Construction Audit
 - 2 compactors and 3 dozers active
 - Clay subgrade being placed over sand collection layer
 - Clay placement on remainder of Closure Area III
 - Excavation at limits of Phase 7

VEOLIA EMERALD PARK LANDFILL
 LANDFILL OPERATIONS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE October 28, 2011 TIME 2:18
 Auditor on site at: Open Close

WEATHER Clouds, Sunny WIND N 10-15

TEMP Maximum 52 °F Minimum 33 °F B.P. 30.15

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	Compactor						
<u>2</u>	Dozer						
	Excavator						
<u>1</u>	Haul Truck						
	Water Truck						
	Sweeper						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:
Working face on ~~west~~ ^{West} edge of Phase 5 approx
across 1 half the width.
New access road completely all trucks
driving to top of active area for tipping



Cover Material:

Site Soils

Cover in excellent condition

B. Leachate Management:

MMSD discharge

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Turbines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	
Engines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	
Shutdowns Since Last Audit:	# 1			
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

~ 2,200 gpm

D. Surface Water Management:

Storm Events Since Last	# 2	Est. Volume	21"
-------------------------	-----	-------------	-----

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

No impact of BASINS

E. Odor Control:

Odors Present:

Onsite <input type="checkbox"/>	Offsite <input type="checkbox"/>
---------------------------------	----------------------------------

Comments:

No odors on or off site

F. Special Waste Handling: storage of fingerprint samples and testing procedures

None



G. Litter Control:

Litter Present Onsite:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	
Litter Present Offsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Pickers Active:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	# 2

Comments:

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

US 45 1/2 Mile road clear

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Equipment Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	3
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	10/23/2011			

Comments:

Random loads now being done with photos

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		
3.		
4.		

Comments:



L. Other Comments:

* Bio & Landfill Direct Soils being tipped in Phase 2 & 3

Auditor's Signature:
Auditor's Printed Name:
Management Signature:
Management Printed Name:
Management Title:
JSA Principal Signature:

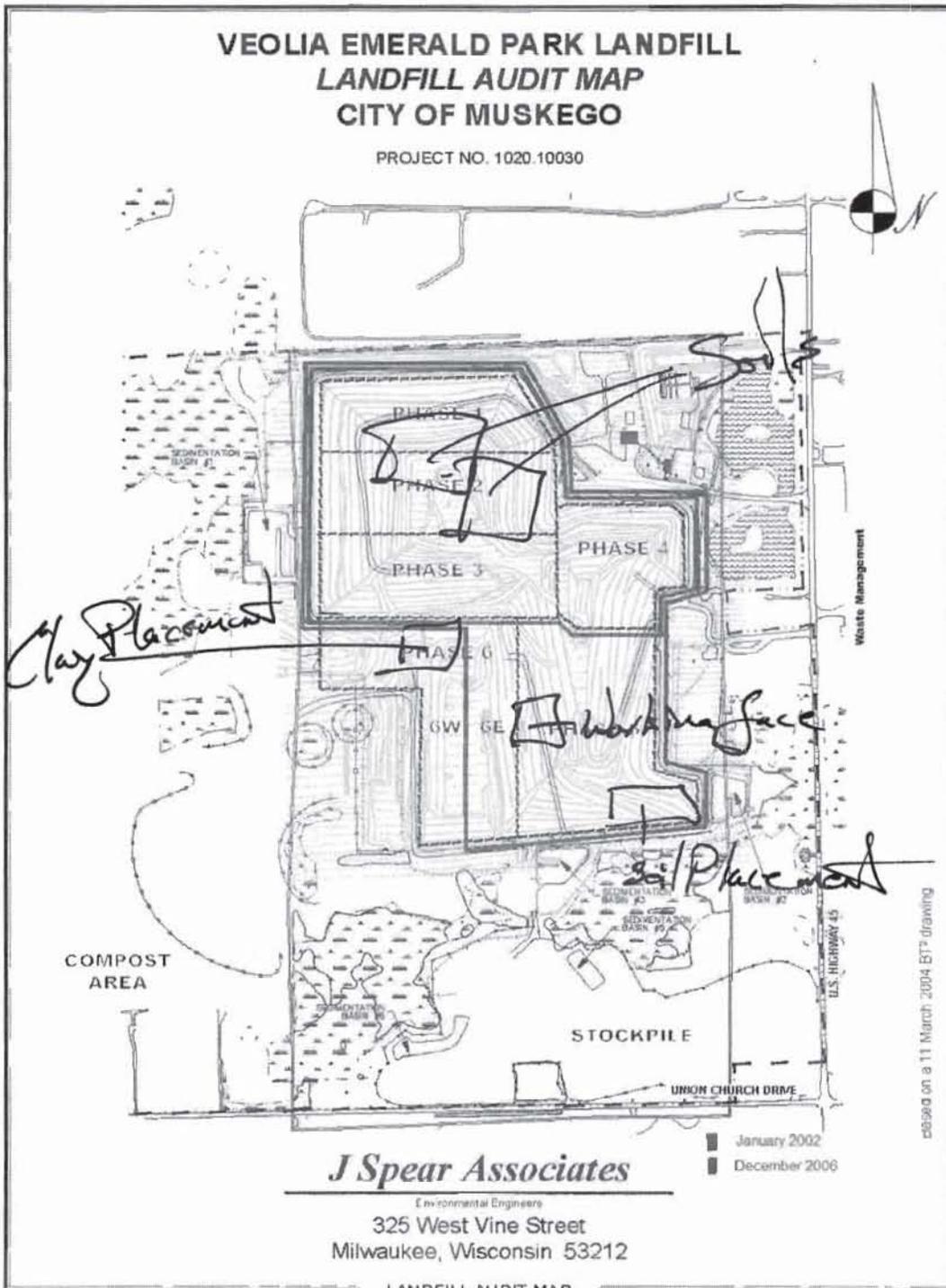
[Handwritten Signature]
Do - Walter Spear, Sr
[Handwritten Signature]
Robert Bennett
Ops Manager

Date: 10/28/04
Date: 10-26-11
Date: _____



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020.10030



closed on a 11 March 2004 BT drawing

J Spear Associates

Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

LANDFILL AUDIT MAP



VEOLIA EMERALD PARK LANDFILL
 LANDFILL CONTRACTORS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE October 28, 2011 TIME 2:41

MAJOR EQUIPMENT USED IN CONSTRUCTION OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
2	Compactor						
3	Dozer						
	Excavator						
	Haul Truck						
	Water Truck						
	Sweeper						

A. Work Accomplished Today (Scheduled & Completed):

* Clay subgrade being placed over sand collector layer.

* Clay placement on remainder of closed area



B. Excavations / Soil Management:

* Excavations at limits of Phase 7

C. Off Site Hauling

	Weight Ticket Number	Weight of Load in Pounds
1	None	
2		
3		
4		
5		
6		
7		
8		
9		
10		

Auditor's Signature: [Signature] Date: 10/18/2011
Auditor's Printed Name: Spencer Walter Spear, Sr.
Management Signature: [Signature] Date: 10-28-11
Management Printed Name: Robert Bennett
Management Title: QES Manager



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes



**VEOLIA EMERALD PARK LANDFILL
AUDIT PHOTOS
CITY OF MUSKEGO**

PROJECT NO. 1012.10030



Clay placement for Closure Area III



Clay placement for Closure Area III

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Active area at working face, West slope



Western edge of excavation



Phase 6/7 junction unexcavated.



Access road to excavation along Phase 6



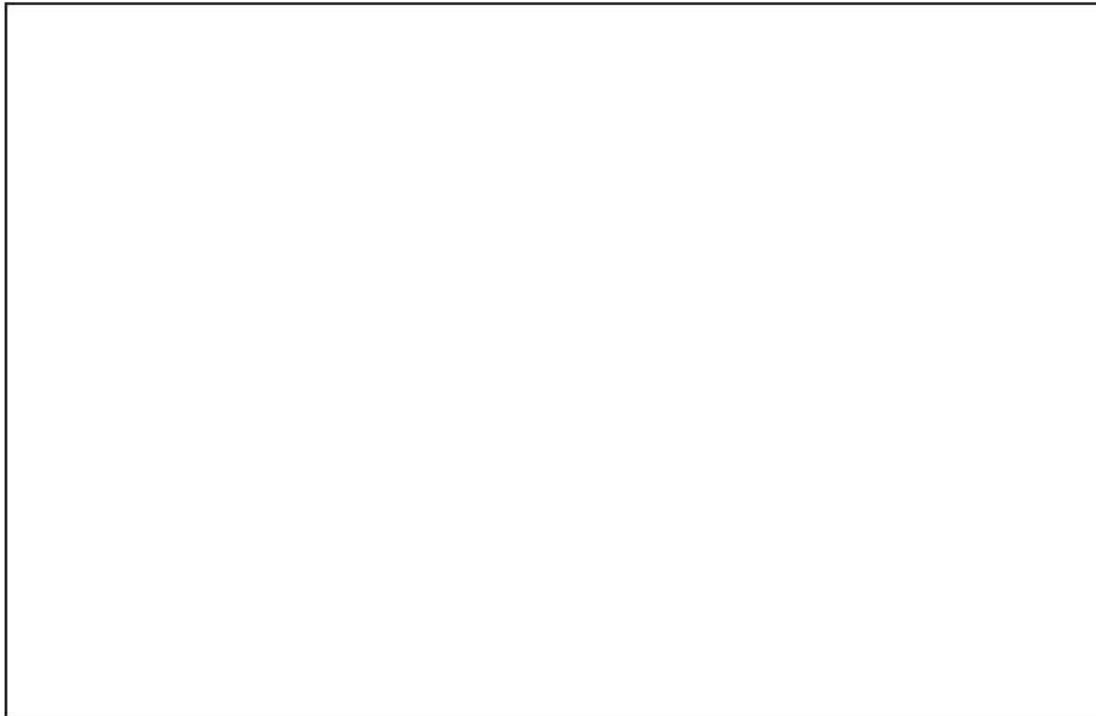
Working face, on slope



Flipping clay to cover sand layer



Flipping clay from excavation to cover sand layer





November



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 12/28/2011
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of October 31, 2011. The audit was performed at 2:18 pm on **November 3, 2011** by Jo Spear Jr. in the presence of Robert Bennett.

The following conditions were noted during this Audit of the VEPL Facility:

- Working face at south end of Phase 5, against east slope
 - Very small and wedged in along last week's working face
 - Daily cover in excellent condition
 - Autofluff for daily cover, no tarp use due to high winds
- Discharge to MMSD
- Flare in operation during audit, no shut downs
 - Flare operating well, ~1700cfm
- Four storm events since last audit, >1"
 - Small ponding areas, enough impact to slow construction
- Minor gas odor south of Phase 5
- Litter onsite, none offsite
 - 3 pickers active during audit
 - High winds this week, 10 pickers expected for 11/4
- US45 and 8 Mile Roads clean except for Metro entry
- Tipping scale camera and equipment operators inspecting waste
 - Random Load inspection date was 10/31/11, ~1800tpd
- Construction on expansion halted due to rain.
 - Sand layer still being placed on west floor of Phase 7
- Construction of Closure Area III halted due to rain
 - Topsoil being added

VEOLIA EMERALD PARK LANDFILL
LANDFILL OPERATIONS AUDIT FORM
CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE November 3, 2011

TIME 4:25

Auditor on site at: Open Close

WEATHER Overcast with some sun

WIND N 3-15

TEMP Maximum 53 °F Minimum 34 °F

B.P. 30.16

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
2	Dozer						
	Excavator						
	Haul Truck						
	Water Truck						
	Sweeper						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance
1	Compactor		✓				

A. Working Face Size and Location:

Working face at South end of Phase 5, against East Slope. Very small and wedged in a long last weeks working faces
Daily cover in excellent conditions



Cover Material:

Auto-fluff, no tarps ~~as~~ high winds

B. Leachate Management:

Discharge to MMSD

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Turbines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Engines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Shutdowns Since Last Audit:	#		0	
Vegetation Condition:	Good <input checked="" type="checkbox"/>	Fair <input type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Flare operating well ~ 4700 gpm

D. Surface Water Management:

Storm Events Since Last	# 4	Est. Volume	71
-------------------------	-----	-------------	----

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Small ponding areas, enough impact to slow construction

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

Minor gas odor South of Phases

F. Special Waste Handling: storage of fingerprint samples and testing procedures

None



G. Litter Control:

Litter Present Onsite:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	
Litter Present Offsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Pickers Active:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	# 3

Comments:

High winds this week, 10 Pickers Expected For Tomorrow

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

US 45 - 1/8 Mile Road clean except for Metro Entry

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Equipment Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	3
Spotter:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	
Random Load Inspection Dates: 10/31/2011				

Comments:

2,800 TPD

J. Rejected Loads:

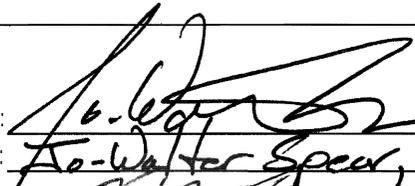
	Date/Time	Reason for Rejection
1.		None
2.		
3.		
4.		

Comments:



L. Other Comments:

- * Construction on expansion halted due to rain. Sand layer still being placed on West floor of Phase F.
- * Construction of Closure Area ~~is~~ halted due to rain. Topsoil being added.

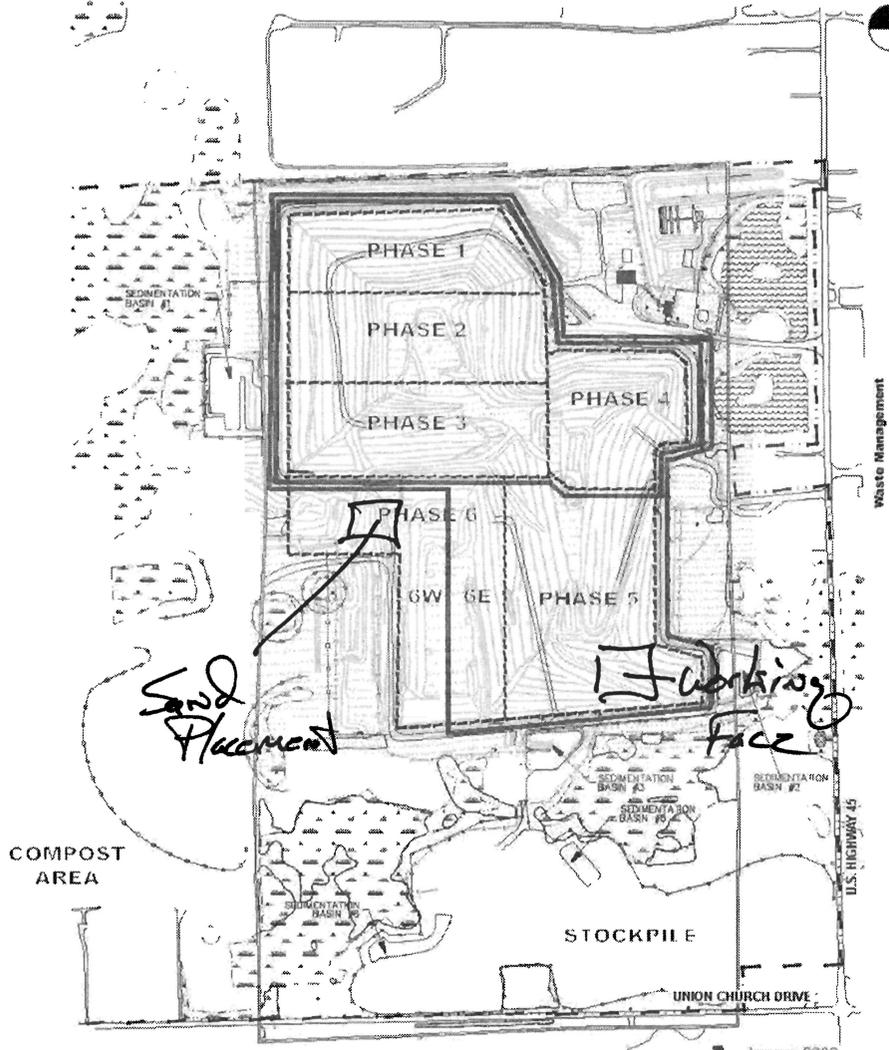
Auditor's Signature: 
Auditor's Printed Name: Robert Bennett, Jr
Management Signature: 
Management Printed Name: Robert Bennett
Management Title: Ops Manager
JSA Principal Signature: _____

Date: 11/03/2011
Date: 11/03/2011
Date: _____



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020.10030



based on a 11 March 2004 BT-2 drawing

J Spear Associates

Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

LANDFILL AUDIT MAP



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes



**VEOLIA EMERALD PARK LANDFILL
AUDIT PHOTOS
CITY OF MUSKEGO**

PROJECT NO. 1012.10030



Closure Area III



Closure Area III, topsoil stockpiled for spreading on slope

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



South slope of Phase 5



Working face at South end of Active Area



Working face



Phase 7



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 12/28/2011
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of November 7, 2011. The audit was performed at 2:18 pm on **November 11, 2011** by Jo Spear Jr. in the presence of Dean Driggett.

Camera was Damaged during Audit

The following conditions were noted during this Audit of the VEPL Facility:

- Working face at south end of Phase 5 between slopes, very tiny and tight
 - Phase 3 receiving landfill direct soils
 - Previous cover in good shape
 - Daily cover in excellent condition
 - Autofluff and tarp for daily cover
- Discharge to MMSD
- Flare in operation during audit, no shut downs, ~1800cfm
- Two storm events since last audit, ~2"
 - Basins have plenty of freeboard; ditch cleaning as closure completes
- Gas odor onsite at west side of Phase 6
- Minor litter onsite, none offsite
- US45 and 8 Mile Roads clean
- Tipping scale camera and equipment operators inspecting waste
 - Random Load inspection: no date noted, ~1400tpd
- Residential drop off active during audit
- Construction slowed due to weather
- Construction Audit:
 - Activities reduced due to wet conditions
 - Closure Area III waiting for topsoil, clay too slick for placement after rains
 - Excavation area being smoother by dozers

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA EMERALD PARK LANDFILL
 LANDFILL OPERATIONS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE November 11, 2011
 Auditor on site at: Open Close

TIME 11:54

WEATHER Overcast, Some Sun

WIND S 10-25

TEMP Maximum 45 °F Minimum 31 °F

B.P. 29.96

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor			1	Backhoe		
1	Dozer						
	Excavator						
	Haul Truck						
	Water Truck						
	Sweeper						
1	Roll Off						

MAJOR EQUIPMENT BONDWARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Phase 3 reviewing land fill direct soils
working face at South end of Phases
between slopes. Very tidy and tight
Previous cover in good shape



Cover Material:

Auto Sluff & Tarp

B. Leachate Management:

Discharge to MMSD
higher elevations due to terrain

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Turbines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	0
Engines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	0
Shutdowns Since Last Audit:	#		0	
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

~ 1,800 gpm

D. Surface Water Management:

Storm Events Since Last	# 2	Est. Volume	~ 24
-------------------------	-----	-------------	------

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Basins have plenty of freeboard
Ditch cleaning as closure area completes

E. Odor Control:

Odors Present: Onsite Offsite

Comments:
Gas odor on west side of Phase 6

F. Special Waste Handling: storage of fingerprint samples and testing procedures

None



G. Litter Control:

Litter Present Onsite:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	
Litter Present Offsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Pickers Active:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#

Comments:

Minor litter outside

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

US 45 & 3 Mile Clean

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Equipment Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	n/a			

Comments:

~ 1,400 TPD

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		
3.		
4.		

Comments:



L. Other Comments:

* Residential Drop off active during Audit
* Construction slowed due to weather

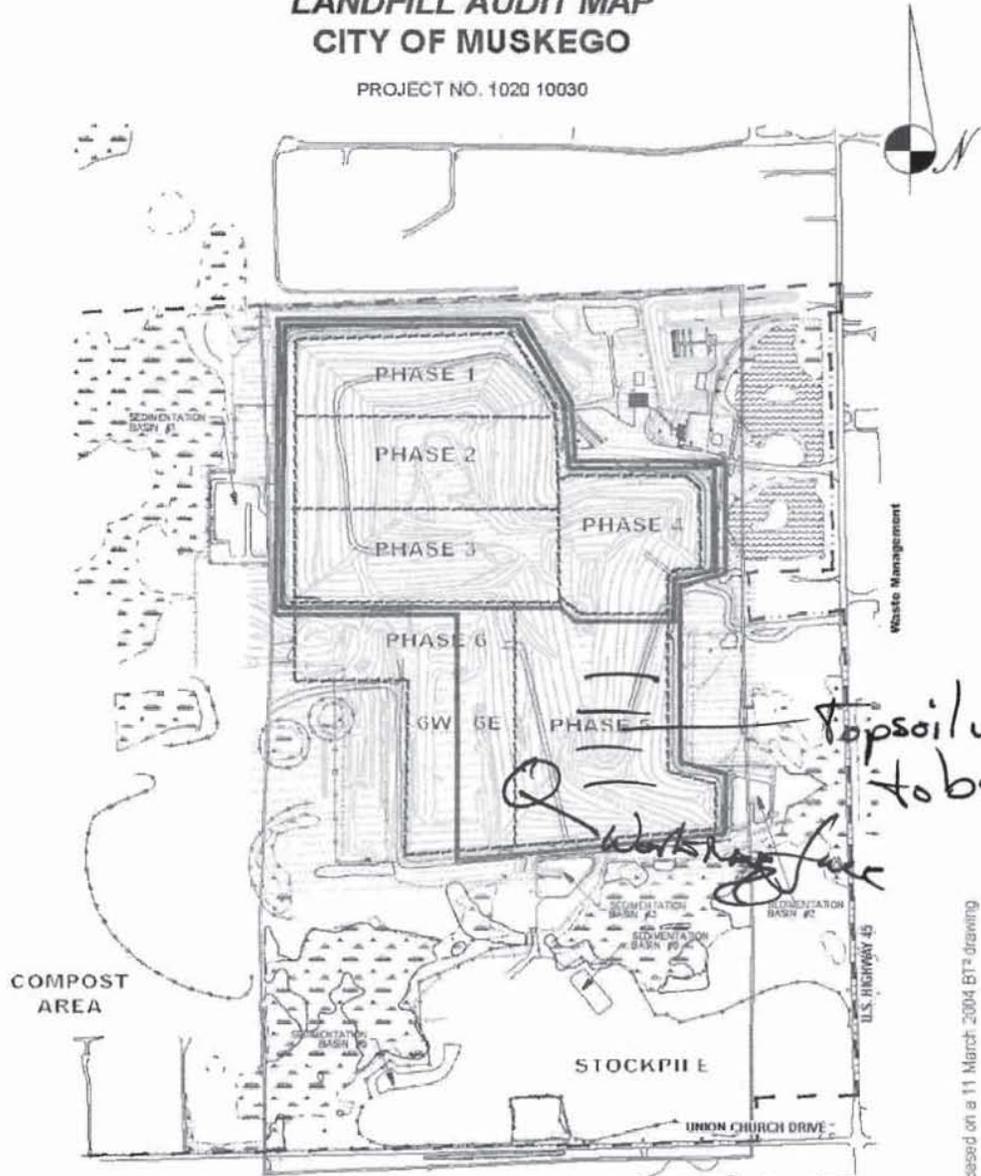
Auditor's Signature: _____
Auditor's Printed Name: _____
Management Signature: _____
Management Printed Name: _____
Management Title: _____
JSA Principal Signature: _____

Date: 11/14/11
Date: 11/14/11
Date: _____



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020 10030



closed on 11 March 2004 BTZ drawing

J Spear Associates

Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

LANDFILL AUDIT MAP



VEOLIA EMERALD PARK LANDFILL
 LANDFILL CONTRACTORS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE November 11, 2011 TIME 12:05

MAJOR EQUIPMENT USED IN CONSTRUCTION OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
4	Compactor						
	Dozer						
	Excavator						
	Haul Truck						
	Water Truck						
	Sweeper						

A. Work Accomplished Today (Scheduled & Completed):

* Activities reduced due to wet conditions
 * Closure area three awaiting top soil
 clay too slick for placement after rain
 * Excavation area being smoothed by
 dozers



B. Excavations / Soil Management:

None

C. Off Site Hauling

	Weight Ticket Number	Weight of Load in Pounds
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Auditor's Signature: [Signature] Date: 11/4/01
Auditor's Printed Name: Joseph A. Spear
Management Signature: [Signature] Date: 11/11/01
Management Printed Name: _____
Management Title: _____



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 12/28/2011
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of November 14, 2011. The audit was performed at 2:18 pm on **November 16, 2011** by Jo Spear Jr. in the presence of Robert Bennett.

The following conditions were noted during this Audit of the VEPL Facility:

- Working face in middle of active area
 - Access road to be constructed to reach final lift elevation
 - Active area suffering from blown litter
 - Phase 3 receiving landfill direct soils
 - Autofluff and tarp for daily cover
- Discharge to MMSD
- Flare in operation during audit, no shut downs, ~1720cfm
- One storm event since last audit, ~1"
 - Basins have small volume of water and ditches are clean
- Gas odor onsite at west side of Phase 6
- No odors noted
- Litter onsite, 6 pickers active by end of day
 - High winds spreading litter across site, no offsite litter
- US45 and 8 Mile Roads clean and free of debris
- Tipping scale camera and equipment operators inspecting waste
 - Random Load inspection: 11/14/11, ~1600tpd
- Current lift nearly complete
- Construction Audit:
 - Liner crew may be onsite by Friday, 11/18/11
 - Topsoil placement and clay working on Phase 5 dogleg for completion of Closure Area III
 - Clay placement over sand layer along western run of Phase 7.
 - Minor clay removal at west end of Phase 7

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA EMERALD PARK LANDFILL
 LANDFILL OPERATIONS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE November 16, 2011 TIME 11:35
 Auditor on site at: Open Close

WEATHER Sunny Clear, Crisp WIND N 15-35

TEMP Maximum 38 °F Minimum 23 °F B.P. 30.01

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
1	Dozer						
	Excavator						
1	Haul Truck						
	Water Truck						
	Sweeper						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance
1	Dozer						
1	Excavator						

A. Working Face Size and Location:

~~to be~~ working face in middle of active Area
 Access road to be constructed to reach final
 lift elevation. Active Area suffering from
 blown litter



Cover Material:

Autofluff and tarps

B. Leachate Management:

Discharge to MMSD

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Turbines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Engines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Shutdowns Since Last Audit:	#		0	
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

~ 1,720 cfm being destructed

D. Surface Water Management:

Storm Events Since Last	# /	Est. Volume	2.1"
-------------------------	-----	-------------	------

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Basins have small volume of water and ditches are clean

E. Odor Control:

Odors Present: Onsite Offsite

Comments: No off site odors

F. Special Waste Handling: storage of fingerprint samples and testing procedures

None



G. Litter Control:

Litter Present Onsite:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	
Litter Present Offsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Pickers Active:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	# 6 By end of day

Comments:

High winds spreading litter across site.
No off site litter

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

US 45 & 8 Mile Road Clean & free of Debris

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	# 1
Equipment Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	# 3
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#
Random Load Inspection Dates:	11/14/11		

Comments:

2,1,600 TPD

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		
3.		
4.		

Comments:



L. Other Comments:

* Current lift nearly complete.

*

Auditor's Signature:
Auditor's Printed Name:
Management Signature:
Management Printed Name:
Management Title:
JSA Principal Signature:

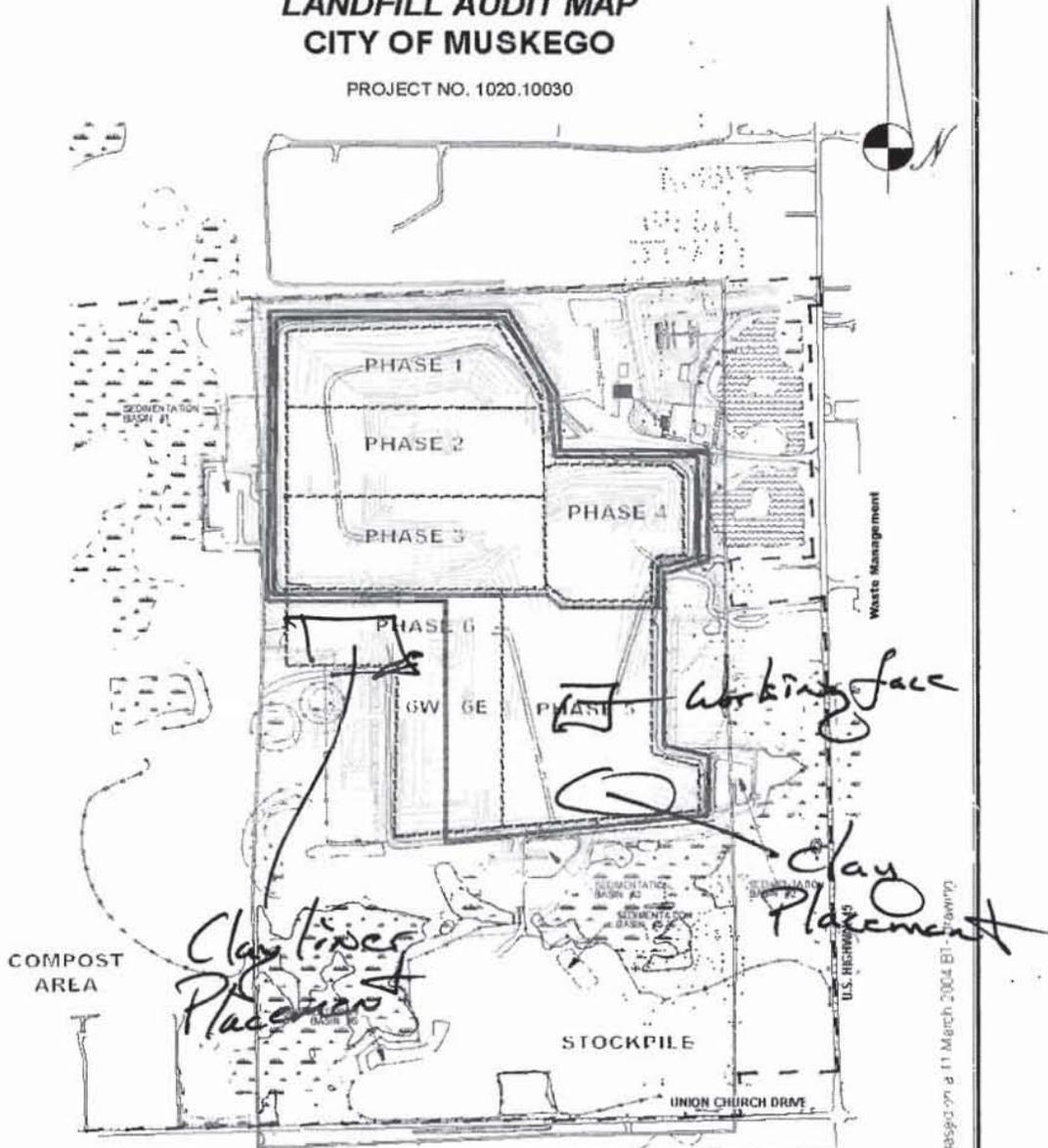
[Signature]
Jo - Walter Spear, Jr.
[Signature]
Robert Bennett
ops manager

Date: 11/16/2011
Date: 11/16/2011
Date:



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020.10030



J Spear Associates

Environment & Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

LANDFILL AUDIT MAP



VEOLIA EMERALD PARK LANDFILL
 LANDFILL CONTRACTORS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE November 16, 2011

TIME 11:35

MAJOR EQUIPMENT USED IN CONSTRUCTION OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>2</u>	Compactor						
<u>1</u>	Dozer						
	Excavator						
<u>1</u>	Haul Truck						
	Water Truck						
	Sweeper						

A. Work Accomplished Today (Scheduled & Completed):

- * Liner crew maybe onsite by Friday 11/18/2011
- * Topsoil placement and clay working on Phase 5 Dogleg for completion of Closure Area
- * Clay placement over sand layer along Western run of Phase 7



B. Excavations / Soil Management:

~~Minor clay removal at west end of Phase 7D~~

C. Off Site Hauling

	Weight Ticket Number	Weight of Load in Pounds
1		
2		
3		
4	None	
5		
6		
7		
8		
9		
10		

Auditor's Signature: [Signature]
 Auditor's Printed Name: Jo-Walter Spear, Jr.
 Management Signature: [Signature]
 Management Printed Name: Robert Bennett
 Management Title: Ops Manager

Date: 11/16/2011
 Date: 11-16-2011



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes



**VEOLIA EMERALD PARK LANDFILL
AUDIT PHOTOS
CITY OF MUSKEGO**

PROJECT NO. 1012.10030



Active area, new road under construction



Active area and South slope

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Excavation area, with ongoing clay liner construction



Western edge of excavation



Clay being worked over sand layer



Haul trucks moving clay to Closure Area III, South slope of Phase 5



Excavation at Western edge of Phase 7



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

To: Veolia Emerald Park Landfill Standing Committee, City of Muskego

FROM: Jo Spear, Jr.

COPIES: File

DATE: 11/22/11

PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of November 21, 2011. The audit was performed at 1:00pm on **November 21, 2011** by Jo Spear Jr. in the presence of Robert Bennett.

A report will be presented to the Committee regarding the Phase 7 Liner Deployment, that was initiated on November 19, continued on November 20. JSA was informed of the deployment on November 21 and was unable to be present to make a pictorial history of the site conditions prior to the deployment as has been the case in the last four expansions. The pictures used in this audit will be included in the forth coming report to be completed upon the placement of Phase 7's Fluff Layer

The following conditions were noted during this Audit of the VEPL Facility:

- Bio soils and landfill direct being tipped on Phase 2 and 3
 - MSW being tipped in Middle of Phase 5 and 6
 - Autofluff and site soils for cover
- Leachate being discharged to MMSD
- Flare in operation during audit, no shut downs
 - Flare operation has been stable at 1,720 cfm
- No storm events since last audit
 - Basins being cleaned during frost conditions
- Minor gas odor along South slope of Phase 5&6
 - Persistent odor encountered on several audits
- Litter onsite only, 7 pickers active
- US45 and 8 Mile Road and clean
- Tipping scale camera and equipment operators inspecting waste ~1400tpd
 - Random Load inspection date was 11/21/11.
- Excavation
 - Only excavation at very edges of expansion while liner deployment occurs
- Liner Deployment

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos



MEMORANDUM

- Liner had been deployed on 11/19 and 20 along all slopes, no inspection of soil conditions on slopes could be made.
- Base or bottom liner deployment was at 25%, subgrade conditions appeared to be dry, rough, uneven, and sloppy.
 - Compactor cleat marks were visible in several locations
 - Stone pickers will not filling stone holes after removal
 - No testing results were available.
- New liner had not been welded to any of the existing liner in adjacent phases, the weld to Phase 3 will be extrusion only.
- Closure Area III
 - Top soil spreading at South end only.

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA EMERALD PARK LANDFILL
LANDFILL OPERATIONS AUDIT FORM
CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE November 21, 2011
Auditor on site at: Open Close

TIME 1:03

WEATHER Overcast, High Clouds

WIND N10-15

TEMP Maximum 44 °F Minimum 35 °F

B.P. 30.38

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
1	Dozer						
	Excavator						
	Haul Truck						
	Water Truck						
	Sweeper						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance
1	Compactor		✓				

A. Working Face Size and Location:

Working face is approximate middle of Active Area
facing out to the East. Filling plan to
finish corner and then fill across one
run from North to South



Cover Material:

Autoglufluff

B. Leachate Management:

Discharge to MMST

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Turbines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Engines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Shutdowns Since Last Audit:	#		0	
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

n/a, 720 gpm

D. Surface Water Management:

Storm Events Since Last	# 0	Est. Volume	
-------------------------	-----	-------------	--

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Basins & Drainways cleaning to be finished in frost conditions

E. Odor Control:

Odors Present: Onsite Offsite

Comments: Minor gas odor at South end of Phase 5/6

F. Special Waste Handling: storage of fingerprint samples and testing procedures

None



G. Litter Control:

Litter Present Onsite:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	
Litter Present Offsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Pickers Active:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#

Comments:

windy conditions over weekend created litter issues

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

US 45 1/2 Mile Road clean

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Equipment Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	<i>4/21/2011</i>			

Comments:

26400VFD

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		<i>None</i>
2.		
3.		
4.		

Comments:



L. Other Comments:

* Active area filling up. Soil placement ongoing on Phase 2 & 3

* Extra litter pickers due to windy conditions

Auditor's Signature: _____

Date: 11/21/2011

Auditor's Printed Name: _____

Management Signature: _____

Date: 11-21-11

Management Printed Name: _____

Management Title: _____

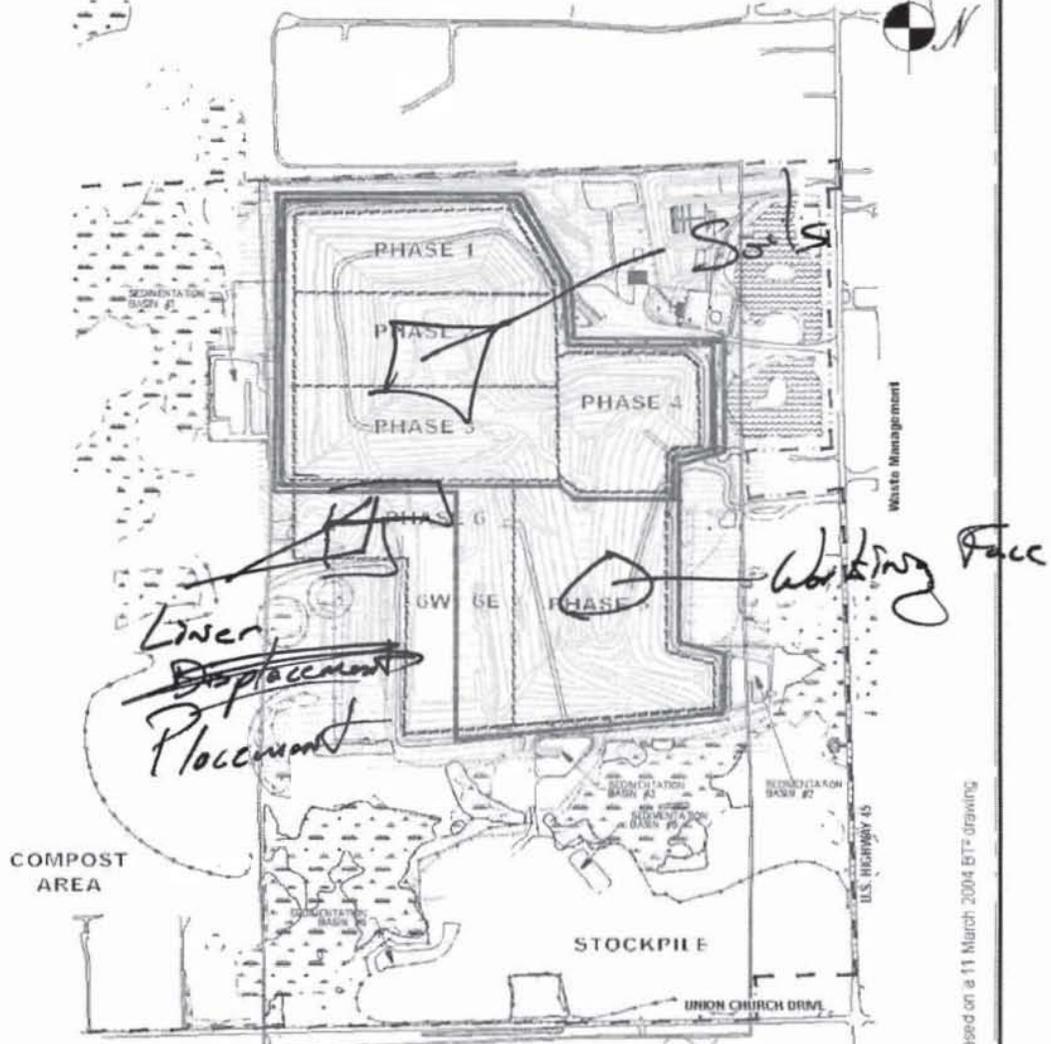
JSA Principal Signature: _____

Date: _____



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO 1020 10030



COMPOST AREA

STOCKPILE

January 2002
December 2002

J Spear Associates

Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

LANDFILL AUDIT MAP

closed on 11 March 2004 BYT drawing



VEOLIA EMERALD PARK LANDFILL
 LANDFILL CONTRACTORS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE November 21, 2011 TIME 1:05

MAJOR EQUIPMENT USED IN CONSTRUCTION OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
2	Dozer						
1	Excavator						
2	Haul Truck						
	Water Truck						
	Sweeper						
1	Tractor						

A. Work Accomplished Today (Scheduled & Completed):

* Liner Deployment began 11/19/2011 for expansion
 Phase 7, Deployment on 11/20/2011 as we'll
 Side slope subgrade appears to be good but
 not seen prior to deployment.
 Base or bottom subgrade uneven & choppy.
 High stone count ~~side~~, Three active stone
 pits

* Closure Area ~~at~~ Soils being worked at
 South end



B. Excavations / Soil Management:

Minor excavations

C. Off Site Hauling

	Weight Ticket Number	Weight of Load in Pounds
1		
2		
3		
4	None	
5		
6		
7		
8		
9		
10		

Auditor's Signature: [Signature] Date: 11/21/2011
Auditor's Printed Name: Sp. Walter Spear Jr
Management Signature: [Signature] Date: 11-21-11
Management Printed Name: Robert Bernick
Management Title: Ops Manager



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes



**VEOLIA EMERALD PARK LANDFILL
AUDIT PHOTOS
CITY OF MUSKEGO**

PROJECT NO. 1012.10030



Exposed subgrade at start of Audit.



Rough high point of Phase 7 East side to flow to East collection trench.

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Subgrade of Phase 7



Panel being deployed and prepared for welding



Stone in clay, there are several stones in this photo, but only the center stone shows well.



Stone picker removed himself from the picture, no clay or betonite being used to fill holes.



Leachate collection trench, mixed brown and grey clay



Leachate collection trench



Cleat mark at edge of leachate collection trench. Bulldozer track marks were never rolled



Dry area in the clay



Subgrade undulating with deviations from smooth drum roller edge



Roughly Northwest corner of subgrade, clay in small balls rather than flat, very dry.



Subgrade clay, appears dry and clumped



Future leachate collection trench



Cutting bottom prior to fusing with side slope



Slow moving fuser on bottom sheet



Working face in middle of active area



Bio-soils



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 12/28/2011
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of November 21, 2011. The audit was performed at 2:15 pm on **November 23, 2011** by Jo Spear Jr. in the presence of Dean Driggett.

Construction Audit Only:

- Discharge to MMSD
- Minor odor onsite at Phase 5/6, south slope
- Minor litter onsite
- Tipping scale camera and equipment operators inspecting waste
- Site to be closed on 11/24/2011
- Construction Audit:
 - 3 Dozers, 1 excavator and 1 forklift in operation
 - Closure Area III topsoil placement by dozer at toe of slope on east slope
 - Constructing diversion berm
 - Liner deployment is two panels away from completion
 - Clay appeared wet and scarred by equipment
 - No smooth drum rolling apparent
 - Geofabric to be placed on Monday, 11/28/11

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA EMERALD PARK LANDFILL AUDIT PHOTOS CITY OF MUSKEGO

PROJECT NO. 1012.10030



Clay drying before liner placement



Leachate trench awaiting liner

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Sump placement and multiple welds



Sump



Sump liner being seamed/fused



Leachate collection awaiting welders



Welding final seams



Lunch on the liner



Clay not ready for liner placement



Final placement about the West ed of liner. Clay appears very plastic



Clay conditions outside of liner



South limit of liner placement for this construction period



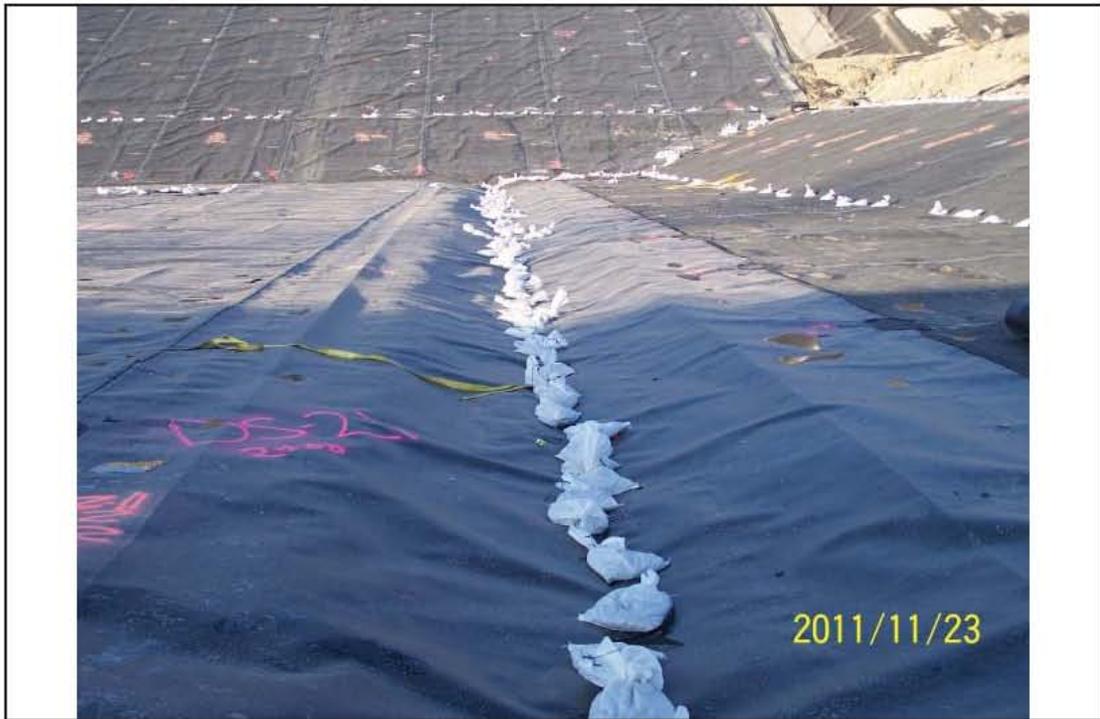
Base layer seam



Future leachate collection trench



Future leachate tie in



Leachate collection trench lined



Diversion berm along East slope of Phase 5



Closure Area III diversion berm construction on East slope



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Jo Spear, Jr.
COPIES: File
DATE: 12/28/11
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of November 28, 2011. The audit was performed at 1:45 pm on **November 30, 2011** by Jo Spear Jr. in the presence of Robert Bennett.

The following conditions were noted during this Audit of the VEPL Facility:

- Working face now in last lift on Phase 5/6
 - Density volume of compacted waste ~2500 lbs/yd
 - Working face at south end of Active area and moving north
 - Soil being tipped in Phase 5/6
 - Autofluff and tarp for daily cover
 - intermediate cover being placed in west slope of Phase 6
- Leachate being discharged to MMSD
- Flare in operation during audit, no shut downs
 - Flare operating at 1,720 cfm
- No storm events since last audit
 - Basins and ditches being cleaned when frost conditions arrive.
 - Ditch and basins being restored with Closure Area III
 - No offsite odors
- Litter onsite only, 7 pickers active
 - Heavy winds form beginning of week requiring more litter pickers
- US45 and 8 Mile Road and clean, entrance has some tracking
- Tipping scale camera and equipment operators inspecting waste ~2000tpd
 - Random Load inspection date not noted, good volume but site low on space
- Clay from Phase 7 being used for intermediate cover
- Vaults being winterized by ESC

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos



MEMORANDUM

- Construction Audit
 - 2 Dozers, 1 excavator and 3 haul trucks in use
 - Connection to existing cells ongoing, FNC Geotextile panels deployed during audit
 - Stone drainage layer placement to begin on Friday, 12/2/11
 - Closure Area III on hold while excavation for Phase 7 finishes

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA EMERALD PARK LANDFILL
 LANDFILL OPERATIONS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE November 30, 2011
 Auditor on site at: Open Close

TIME 1:45

WEATHER Near Sunny, but Brist

WIND S 10-20

TEMP Maximum 39 °F Minimum 27 °F

B.P. 30.03

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>2</u>	Compactor						
<u>2</u>	Dozer						
	Excavator						
<u>1</u>	Haul Truck						
	Water Truck						
	Sweeper						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance
<u>0</u>							

A. Working Face Size and Location:

Working face was in last lift on Phase 5/6
Density values of compacted waste 22,500 lbs/cu yd
Working face at South end of Helix Area moving
North
Soil loads being tipped in Phase 5/6



Cover Material:

Autohuff & tarp, Intermediate cover being placed on West Slope of Phase 6

B. Leachate Management:

Discharge to WMSD

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Turbines in Operation:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	NA
Engines in Operation:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	NA
Shut Downs Since Last Audit:	# 0			
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Flare operating at 1720 cfm

D. Surface Water Management:

Storm Events Since Last	# 0	Est. Volume	
-------------------------	-----	-------------	--

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Burrows & Ditches being cleaned when frost conditions arrive. Ditch about Phases being restored with closure accord.

E. Odor Control:

Odors Present: Onsite Offsite

Comments: No offsite odors

F. Special Waste Handling: storage of fingerprint samples and testing procedures

None



G. Litter Control:

Litter Present Onsite:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	
Litter Present Offsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Pickers Active:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	# 7

Comments:

Heavy winds from beginning of week requiring more litter pickers

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

US 45 & 8 Mile Road Clear, Entrance has some tracking

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Equipment Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:				

Comments:

~1,000 TPD, good volume but site low on space

J. Rejected Loads:

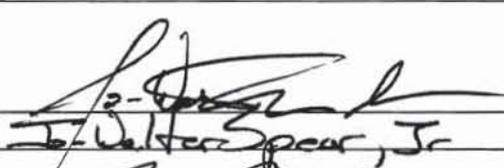
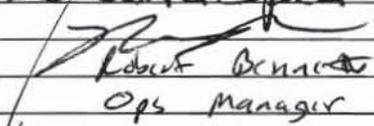
	Date/Time	Reason for Rejection
1.		None
2.		
3.		
4.		

Comments:



L. Other Comments:

* Clay from Phase 7 being used for
intermediate cover
* Vaults being winterized by ESC

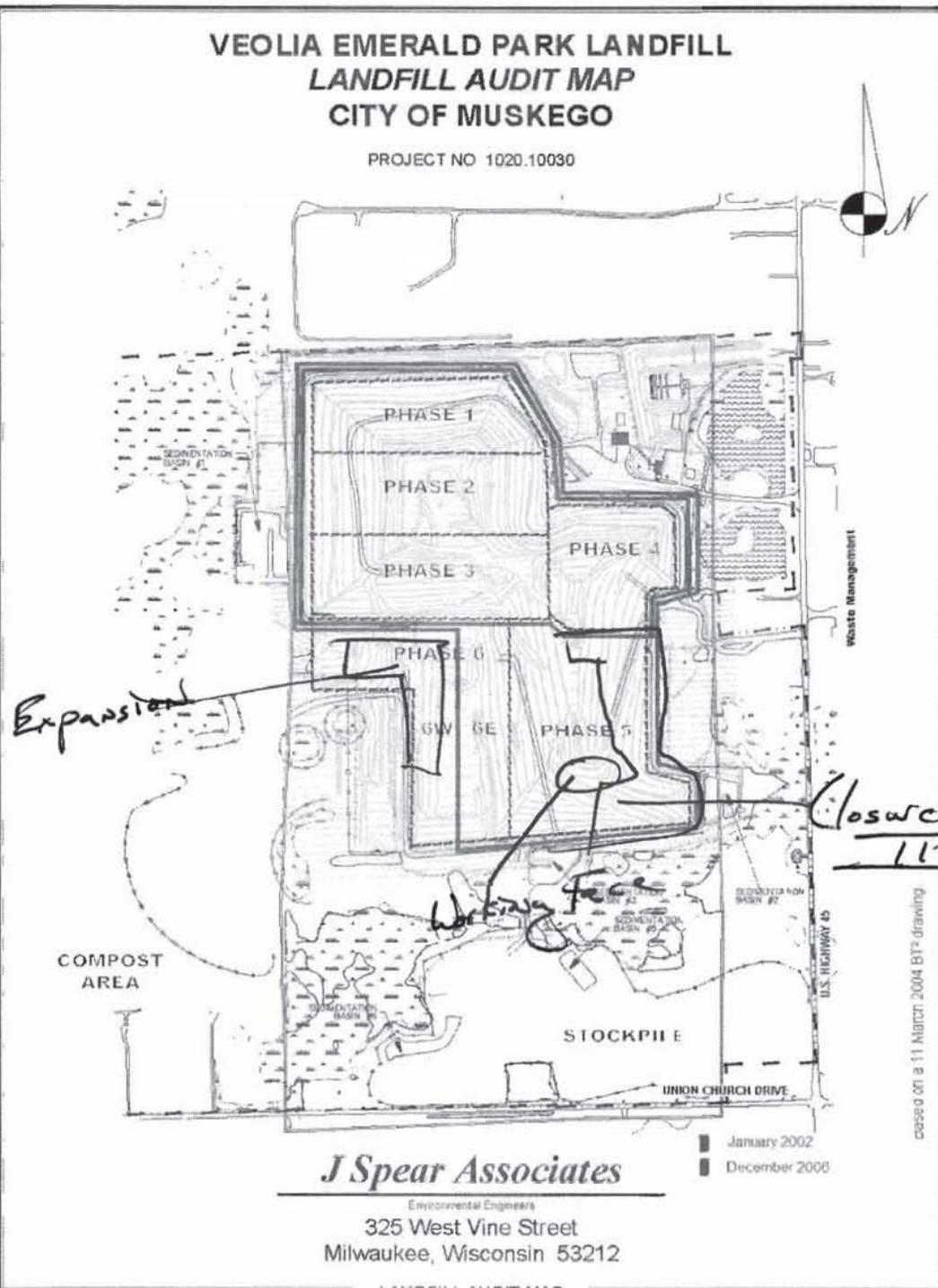
Auditor's Signature: 
Auditor's Printed Name: J. Walter Spear, Jr
Management Signature: 
Management Printed Name: Robert Bennett
Management Title: Ops Manager
JSA Principal Signature: _____

Date: 11/30/11
Date: 11-30-11
Date: _____



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO 1020.10030



J Spear Associates

Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

LANDFILL AUDIT MAP



VEOLIA EMERALD PARK LANDFILL
 LANDFILL CONTRACTORS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE November 30, 2011 TIME 2:48

MAJOR EQUIPMENT USED IN CONSTRUCTION OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
	Compactor						
2	Dozer						
1	Excavator						
3	Haul Truck						
	Water Truck						
	Sweeper						

A. Work Accomplished Today (Scheduled & Completed):

Connection to existing cells ongoing. Five geotextile panels B deployed at time of Audit. Stone drainage layer placement to begin Friday 12/2/11.

Closure Area ~~AT~~ on hold while excavation for Phase 7 finishes



B. Excavations / Soil Management:

C. Off Site Hauling

	Weight Ticket Number	Weight of Load in Pounds
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Auditor's Signature: *[Signature]*
 Auditor's Printed Name: J. Walter Spear, Jr
 Management Signature: *[Signature]*
 Management Printed Name: Robert Bennett
 Management Title: Ops Manager

Date: 11/30/11
 Date: 11/30/11



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes

VEOLIA EMERALD PARK LANDFILL AUDIT PHOTOS CITY OF MUSKEGO

PROJECT NO. 1012.10030



Working face against West slope of Phase 6, intermediate cover being placed on slope



Active area

JSA *Civil Environmental Engineers*

Environmental Engineers

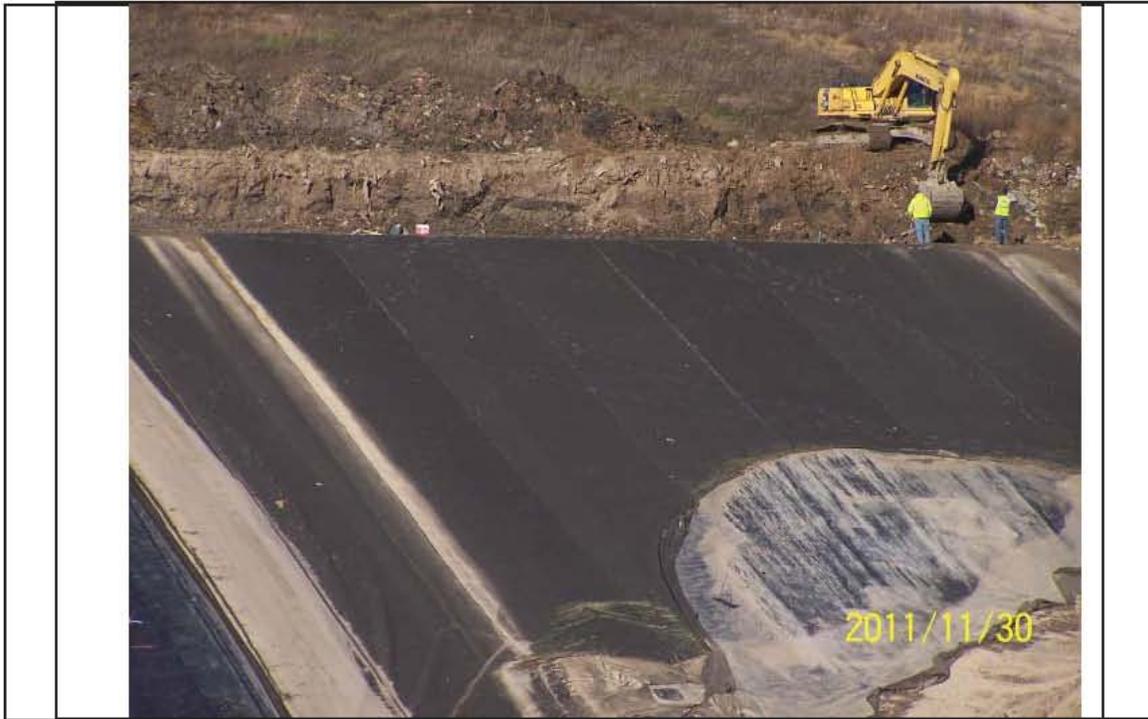
325 West Vine Street
Milwaukee, Wisconsin 53212



Working face, centered right about future injection well.



Geotextile deployment in Phase 7



Phase 6 liner exposed for connection to Phase 7 along slope



Exposed connection to Phase 3/4 at top



December



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Jo Spear, Jr.
COPIES: File
DATE: 12/28/11
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of December 5, 2011. The audit was performed at 1:44 pm on **December 6, 2011** by Jo Spear Jr. in the presence of Robert Bennett.

The following conditions were noted during this Audit of the VEPL Facility:

- Working face now in last lift on Phase 5/6
 - Density volume of compacted waste ~2500 lbs/yd
 - Working face at south end of Active area and moving north
 - Soil being tipped in Phase 5/6
 - Autofluff and tarp for daily cover
 - intermediate cover being placed in west slope of Phase 6
- Leachate being discharged to MMSD
- Flare in operation during audit, no shut downs
 - Flare operating at 1,720 cfm
- No storm events since last audit
 - Basins and ditches being cleaned when frost conditions arrive.
 - Ditch and basins being restored with Closure Area III
 - No offsite odors
- Litter onsite only, 7 pickers active
 - Heavy winds form beginning of week requiring more litter pickers
- US45 and 8 Mile Road and clean, entrance has some tracking
- Tipping scale camera and equipment operators inspecting waste ~2000tpd
 - Random Load inspection date not noted, good volume but site low on space
- Clay from Phase 7 being used for intermediate cover
- Vaults being winterized by ESC

Attachments:
Action Items List / Landfill Operations Audit Form
Audit Photos



MEMORANDUM

- Construction Audit
 - 2 Dozers, 1 excavator and 3 haul trucks in use
 - Connection to existing cells ongoing, FNC Geotextile panels deployed during audit
 - Stone drainage layer placement to begin on Friday, 12/2/11
 - Closure Area III on hold while excavation for Phase 7 finishes

Attachments:

Action Items List / Landfill Operations Audit Form
Audit Photos

VEOLIA EMERALD PARK LANDFILL
 LANDFILL OPERATIONS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE December 6, 2011
 Auditor on site at: Open Close

TIME 11:44

WEATHER Overcast

WIND N 0-10

TEMP Maximum 32 °F Minimum 22 °F

B.P. 30.29

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>2</u>	Compactor						
<u>2</u>	Dozer						
	Excavator						
	Haul Truck						
	Water Truck						
	Sweeper						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face in previous location, very full
or deep lift to extend tipping time
to allow Phase 7 to finish.
Soils being tipped in Phase 6



Cover Material:

Outflow and tarping; Sideslopes receiving soil cover

B. Leachate Management:

Discharge to MMSP

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Turbines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Engines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Shutdowns Since Last Audit:	# 0			
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

1,770 cfm destruction rate

D. Surface Water Management:

Storm Events Since Last	# 2	Est. Volume	214
-------------------------	-----	-------------	-----

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Basins awaiting cleaning after Phase 7 freeze

E. Odor Control:

Odors Present:

Onsite Offsite

Comments:

No offsite odors, gas odors

F. Special Waste Handling: storage of fingerprint samples and testing procedures

None



G. Litter Control:

Litter Present Onsite:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	
Litter Present Offsite:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	
Pickers Active:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	# 2

Comments:

Very little litter on site

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

US 45 $\frac{1}{2}$ Mile (clean)

Tracking on 45 at Wmuse Entrance

I. Inspection of incoming Waste:

Scale Camera Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	
Equipment Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	3
Spotter:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:		12/6/11				

Comments:

1,000 TPD

J. Rejected Loads:

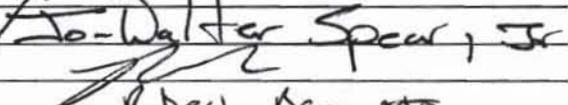
	Date/Time	Reason for Rejection
1.		None
2.		
3.		
4.		

Comments:



L. Other Comments:

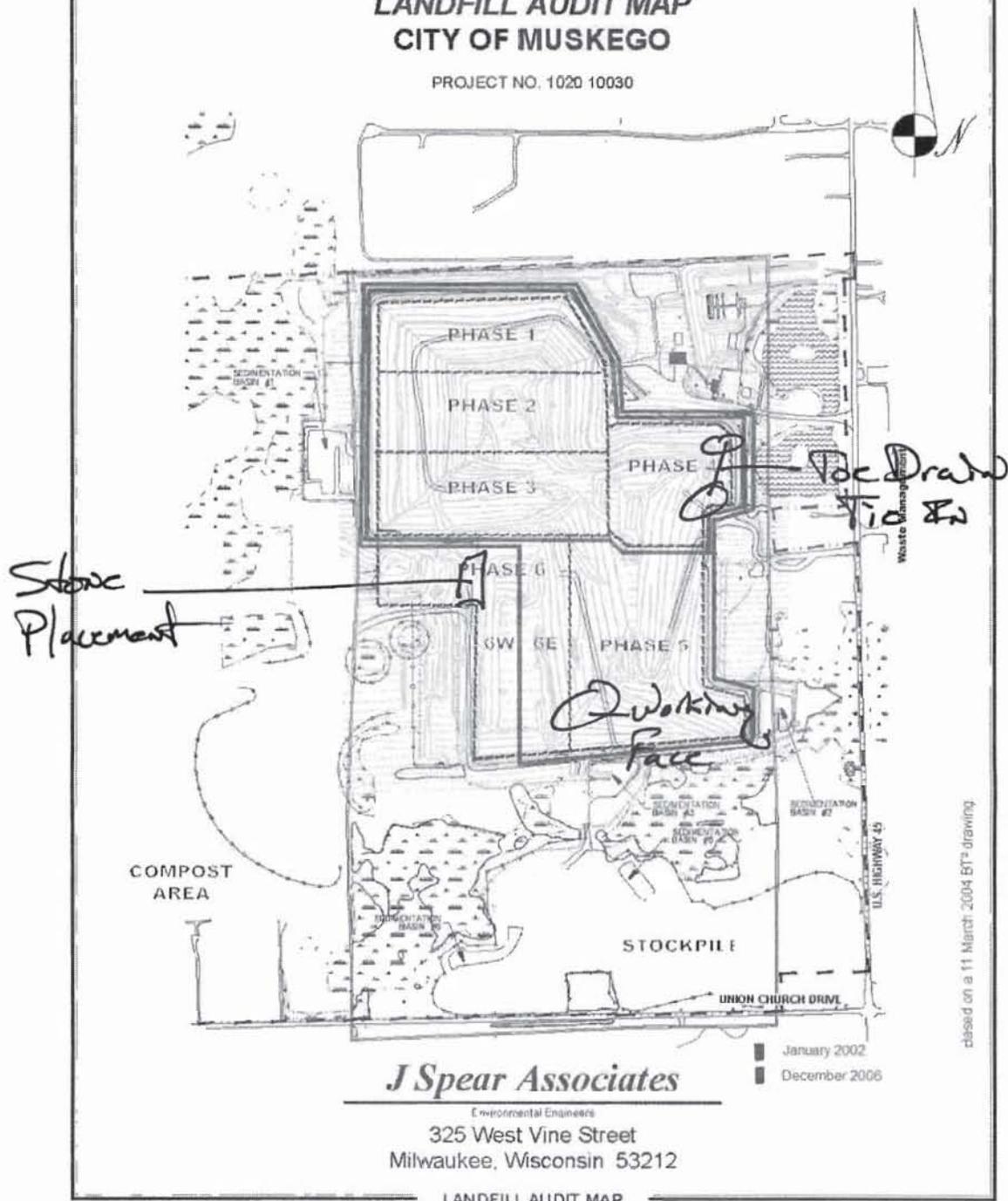
- * Auto-luff being scheduled for expected Miller shutdown on 12/20
- * Working face being kept tight with two compactors to provide airspace

Auditor's Signature:  Date: 12/6/11
Auditor's Printed Name: Joe-Walter Spear, Jr.
Management Signature:  Date: 12-6-11
Management Printed Name: Robert Bennett
Management Title: ops Manager
JSA Principal Signature: _____ Date: _____



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020 10030



based on a 11 March 2004 EIT's drawing

J Spear Associates

Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

LANDFILL AUDIT MAP



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes

VEOLIA EMERALD PARK LANDFILL AUDIT PHOTOS CITY OF MUSKEGO

PROJECT NO. 1012.10030



Complete liner and geotextile on side slope



Complete liner and geotextile at base

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



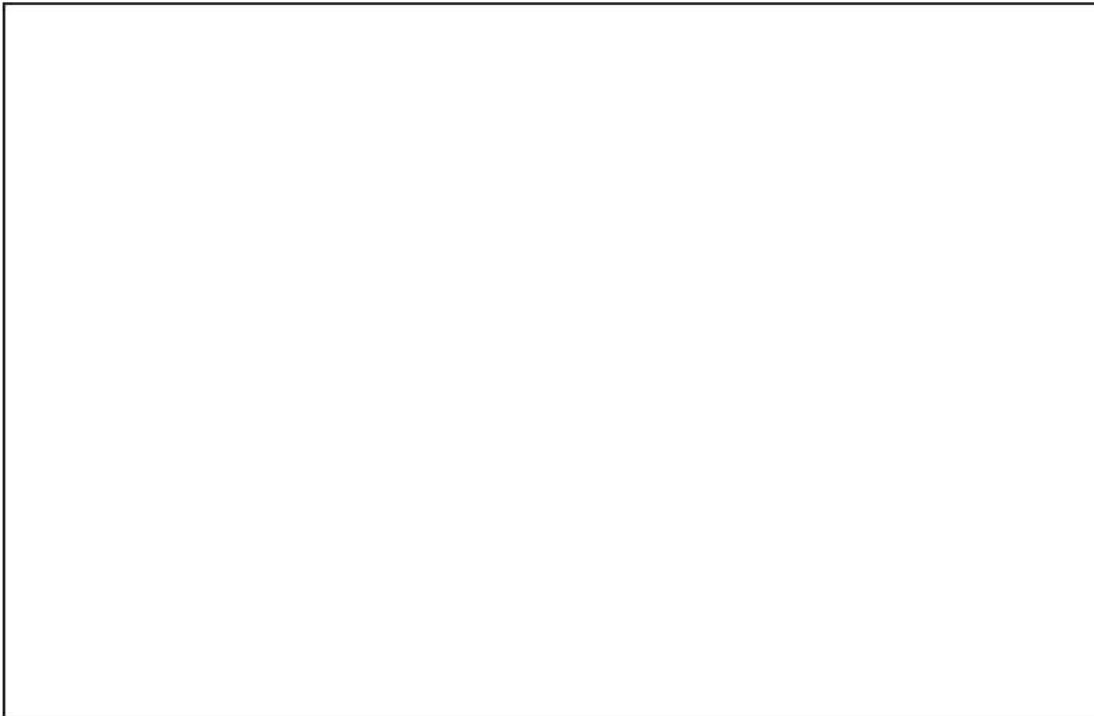
Working face



Active area very small and tight on Phase 5



Beginnings of drainage layer placement



VEOLIA EMERALD PARK LANDFILL
 LANDFILL CONTRACTORS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE December 9, 2011 TIME 11:46

MAJOR EQUIPMENT USED IN CONSTRUCTION OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
	Compactor						
<u>3</u>	Dozer						
	Excavator						
	Haul Truck						
	Water Truck						
	Sweeper						
<u>2</u>	<u>Front End Loader</u>						

A. Work Accomplished Today (Scheduled & Completed):

- * Soil Spreading in Closure Area ~~and~~ development of Berms and final elevation
- * Stone placement in Phase 7 about base and up Northeast corner. Leachate collection piping being placed Sump Construction Ongoing
- * Stone trucks ~ 20 & delivering through out day.



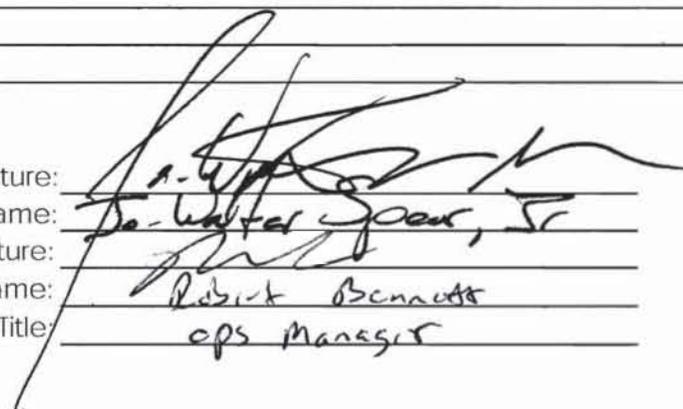
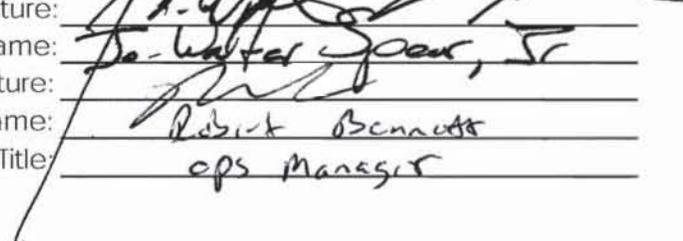
B. Excavations / Soil Management:

None

C. Off Site Hauling

	Weight Ticket Number	Weight of Load in Pounds
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

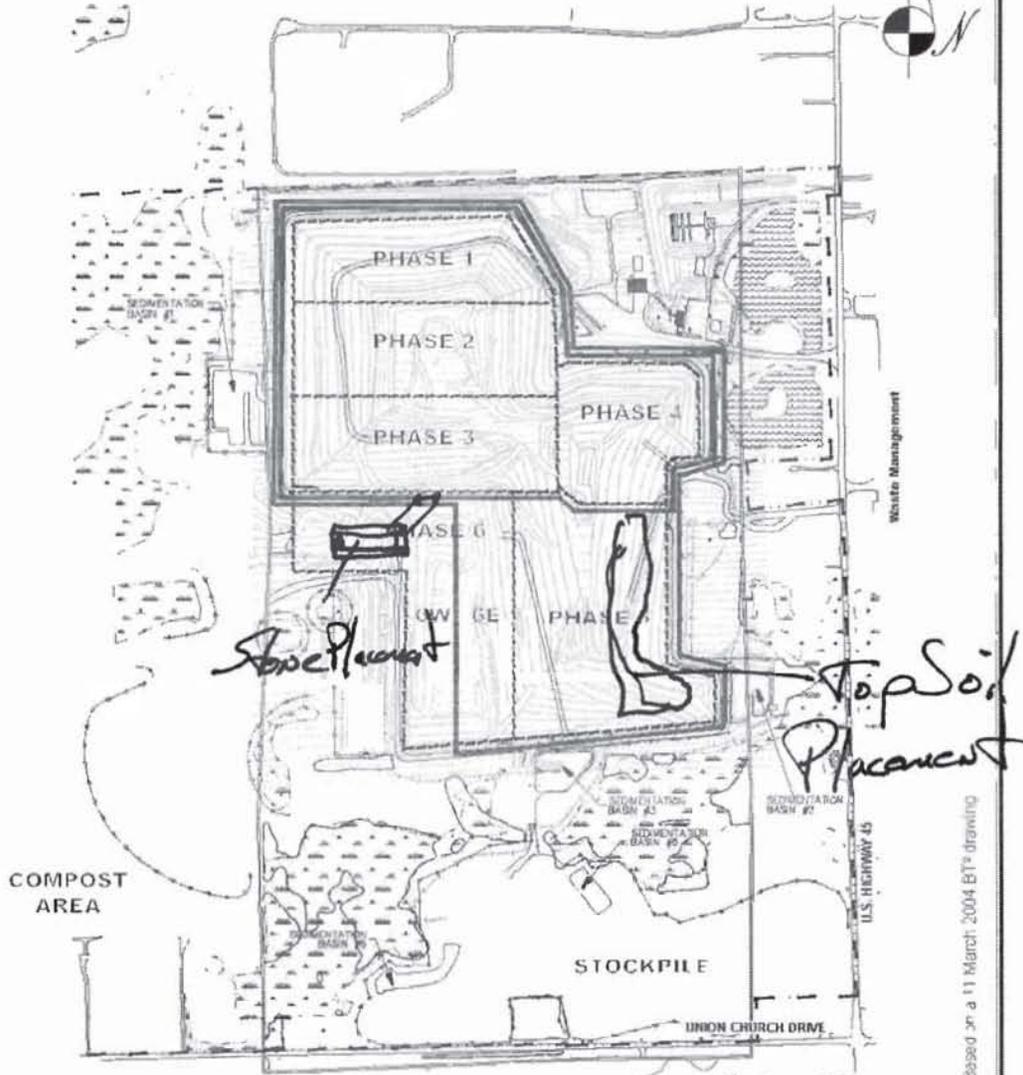
None

Auditor's Signature:  Date: 12/2/2011
Auditor's Printed Name: D. Walter Spear, Jr.
Management Signature:  Date: _____
Management Printed Name: Robert Bennett
Management Title: ops manager



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020.10030



dated on a 11 March 2004 BY: drawing

J Spear Associates
Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212

LANDFILL AUDIT MAP



**VEOLIA EMERALD PARK LANDFILL
AUDIT PHOTOS
CITY OF MUSKEGO**

PROJECT NO. 1012.10030



Closure Area III, Phase 5 West slope, top soil being spread out over clay cap



Diversion berm crafted from clay, will be covered with top soil for seeding

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Working face, centered right about future injection well.



Geotextile deployment in Phase 7



Phase 6 liner exposed for connection to Phase 7 along slope



Exposed connection to Phase 3/4 at top



Topsoil being placed on Closure Area III side slopes



LGP Dozer spreading drainage layer, leachate collection system stone up side slopes



Stone placement for drainage layer being done on side slopes during the day and on base at night.



Loader being used to move rock about cell for spreading by LGP dozer

VEOLIA EMERALD PARK LANDFILL
 LANDFILL CONTRACTORS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE December 13, 2011 TIME 11:00

MAJOR EQUIPMENT USED IN CONSTRUCTION OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
4	Compactor						
2	Dozer						
2	Excavator						
	Haul Truck						
	Water Truck						
	Sweeper						

A. Work Accomplished Today (Scheduled & Completed):

- * Slide of drainage material occurred on 12/12/2011 in the late afternoon. Contractor pulling back stone on 12/12 PM & 12/13 AM. Ann Beckta onsite to inspect
- * Topsoil Placement on Closure Area. ~~OTC~~ Ongoing. Excavated on sight & hauled to closure area.
- * Slide area west of sump & sideslope riser with no impact apparent to either. Stone removal ongoing until toe of slope cleared. Current plan is to not replace stone until liner work in Spring completed.
- * Liner testing will be for all HDPE Placed.



B. Excavations / Soil Management:

None

C. Off Site Hauling

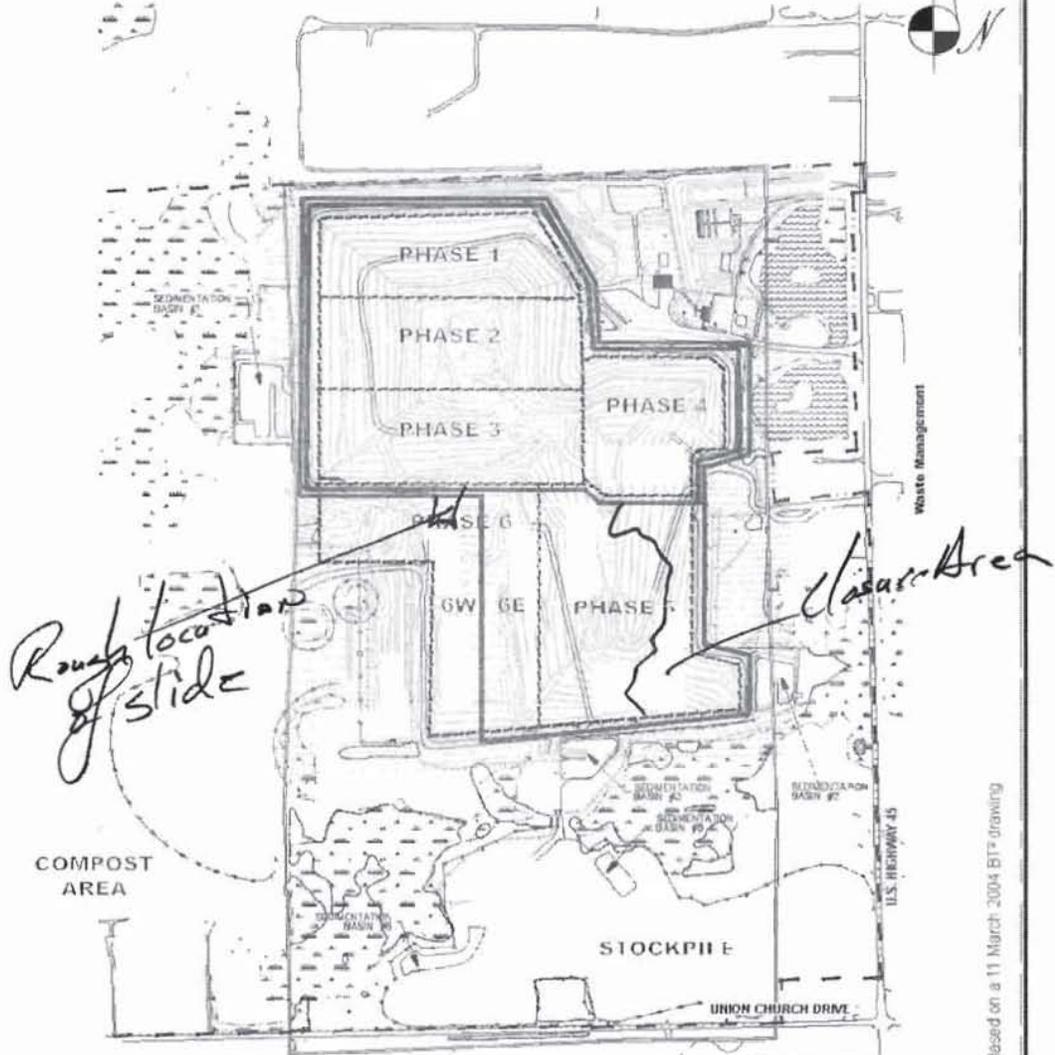
	Weight Ticket Number	Weight of Load in Pounds
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Auditor's Signature: [Signature] Date: 12/13/2011
Auditor's Printed Name: Joey Walter Spear Jr
Management Signature: [Signature] Date: 12/13/11
Management Printed Name: Brent Coogan
Management Title: Engineer



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020.10030



Based on a 11 March 2004 BT* drawing

J Spear Associates

Civil & Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

January 2002
December 2006

LANDFILL AUDIT MAP



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes

VEOLIA EMERALD PARK LANDFILL AUDIT PHOTOS CITY OF MUSKEGO

PROJECT NO. 1012.10030



Area of liner that stone slid.



Engineer, foreman, and crew engaged in investigation and repair

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Geo-textile dragged and wrinkled by sliding stone



Crews removing stone and preparing to repair geo-textile



Complete drainage layer, leachate collection system on side slope



Drainage layer, Leachate collection on bottom of phase



Stone placed to date.



HDPE pipe used to mark stone depth



Front end loader delivering stock piled stone about phase



Placed drainage layer, leachate collection



LGP Dozer spreading drainage layer, leachate collection system across bottom of cell



Sliding stone only appeared to impact geo-textile



Area below slide



Stone being pulled back to investigate liner condition



View from above of area adjacent to slide

VEOLIA EMERALD PARK LANDFILL
 LANDFILL OPERATIONS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE December 15, 2011
 Auditor on site at: Open Close

TIME 11:44

WEATHER Overcast, increasing winds

WIND SW S-2S

TEMP Maximum 38 °F Minimum 24 °F

B.P. 29.70

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	Compactor						
<u>2</u>	Dozer						
	Excavator						
	Haul Truck						
	Water Truck						
	Sweeper						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face in Northwest corner of Active Area, fuelled out of the wind. Previous working face at South end, covered with tarps. Active area intermediate cover on side slopes all in place



Cover Material:

Autofluff & Tarps in use

B. Leachate Management:

Discharge to MMSD

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	
Turbines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Engines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Shutdowns Since Last Audit:	#			
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Flare in good operation, flow probe & calibration completed
in 18,500 cfm

D. Surface Water Management:

Storm Events Since Last	#	Est. Volume
	3/	2,1'

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Fraging conditions setting in, Muddy from
yesterdays rain

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

Gas odor on LUSTS, No on site odors

F. Special Waste Handling: storage of fingerprint samples and testing procedures

None



G. Litter Control:

Litter Present Onsite:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	
Litter Present Offsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Pickers Active:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	# 2

Comments:

High winds blowing litter down East slopes

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

US 45 dusty with some tracking from both facilities

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Equipment Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	3
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	12/13/2001			

Comments:

~ 1,550 TPD

J. Rejected Loads:

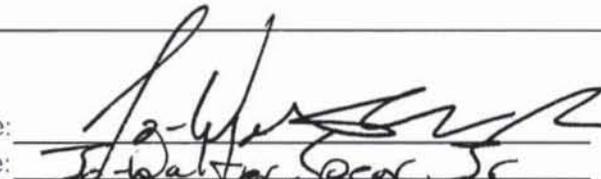
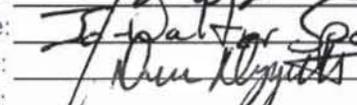
	Date/Time	Reason for Rejection
1.		None
2.		
3.		
4.		

Comments:



L. Other Comments:

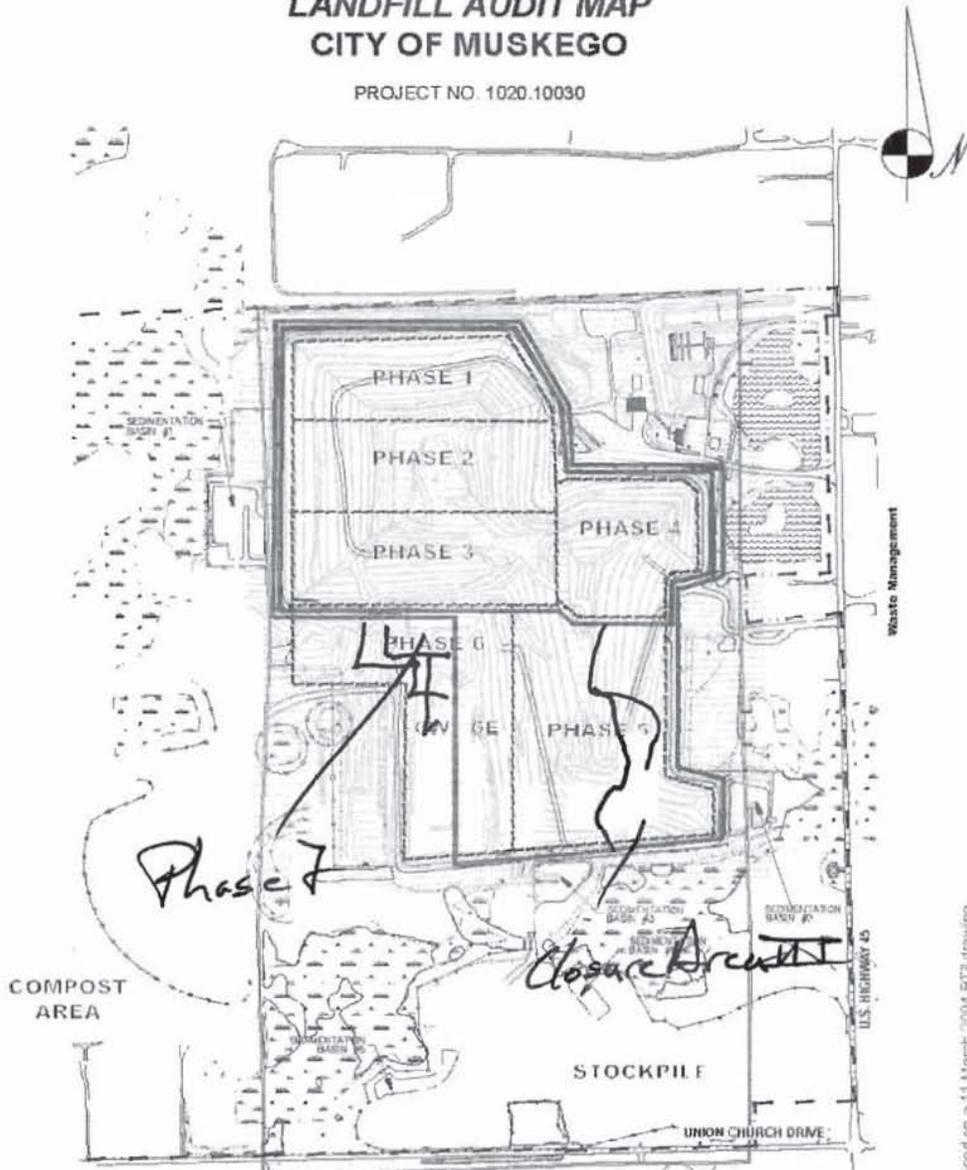
- * Operations filling Phase 5 & 6, making space last until Phase 7 available, hoping for first week of January.
- * Resistance testing of Phase 7 completed 12/14/2011
- * Closure Area A topsoil placement ongoing, halted due to weather today
- * Gas well placement occurring in Phase 3

Auditor's Signature:  Date: 12/15/2011
Auditor's Printed Name: Ed Spear, Jr.
Management Signature:  Date: 12/15/2011
Management Printed Name: Dan Reynolds
Management Title: _____
JSA Principal Signature: _____ Date: _____



VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO

PROJECT NO. 1020.10030



COMPOST AREA

STOCKPILE

UNION CHURCH DRIVE

January 2002
December 2008

J Spear Associates

Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

LANDFILL AUDIT MAP



based on a 11 March 2004 B17 drawing

VEOLIA EMERALD PARK LANDFILL
 LANDFILL CONTRACTORS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE December 15, 2011 TIME 12:13

MAJOR EQUIPMENT USED IN CONSTRUCTION OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
	Compactor						
3	Dozer						
1	Excavator						
	Haul Truck						
	Water Truck						
	Sweeper						

A. Work Accomplished Today (Scheduled & Completed):

* Fine spreading of drainage layer stone
 ongoing

* Leachate system connection to Phase 7
 Vault to vault connected directly to force
 main



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes

**VEOLIA EMERALD PARK LANDFILL
AUDIT PHOTOS
CITY OF MUSKEGO**

PROJECT NO. 1012.10030



Compactor in working face



Active area

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Previous working face covered in tarps



Phase 7 viewed from Northeast



Bottom of phase completed



Drainage layer, leachate collection placed over sump side slope riser only, not near edge of geo-textile and liner



Completed drainage layer, leachate collection until cell is finished in spring of 2012



Phase 7 viewed from the West



Completed areas of drainage layer, leachate collection



Ongoing stone spreading, depth nearly reached

VEOLIA EMERALD PARK LANDFILL
 LANDFILL OPERATIONS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE December 20, 2011 TIME 2:15
 Auditor on site at: Open Close

WEATHER Some clouds, some sun WIND Nil

TEMP Maximum 36 °F Minimum 30 °F B.P. 30.14

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1/2</u>	Compactor						
	Dozer						
	Excavator						
	Haul Truck						
	Water Truck						
	Sweeper						
<u>1</u>	<u>Grader</u>						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face in center of active area, lift very deep
to account for remaining space
Stormed into cover being placed on side slopes
as lift progresses. Previous days placement
covered with soil
Soils being tipped in Phase 2's



Cover Material:

Topsoil, soil, and auto fluff in use for cover

B. Leachate Management:

Discharge to MMSD

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	
Turbines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Engines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Shutdowns Since Last Audit:	#		0	
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Operations at flare unchanged

D. Surface Water Management:

Storm Events Since Last	# 0	Est. Volume	
-------------------------	-----	-------------	--

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Basins not frozen. Most ditches re-cut & graded

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

No offsite, Minor gas odor at South Slope Phase 8

F. Special Waste Handling: storage of fingerprint samples and testing procedures

None



G. Litter Control:

Litter Present Onsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Litter Present Offsite:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Pickers Active:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	2

Comments:

Pickers active

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

US 45 cleaner than last Audit, 8 Mile Road clean. Site roads dusty

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Equipment Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Random Load Inspection Dates: <i>12/17/2011</i>				

Comments:

~ 1,700 VFA

J. Rejected Loads:

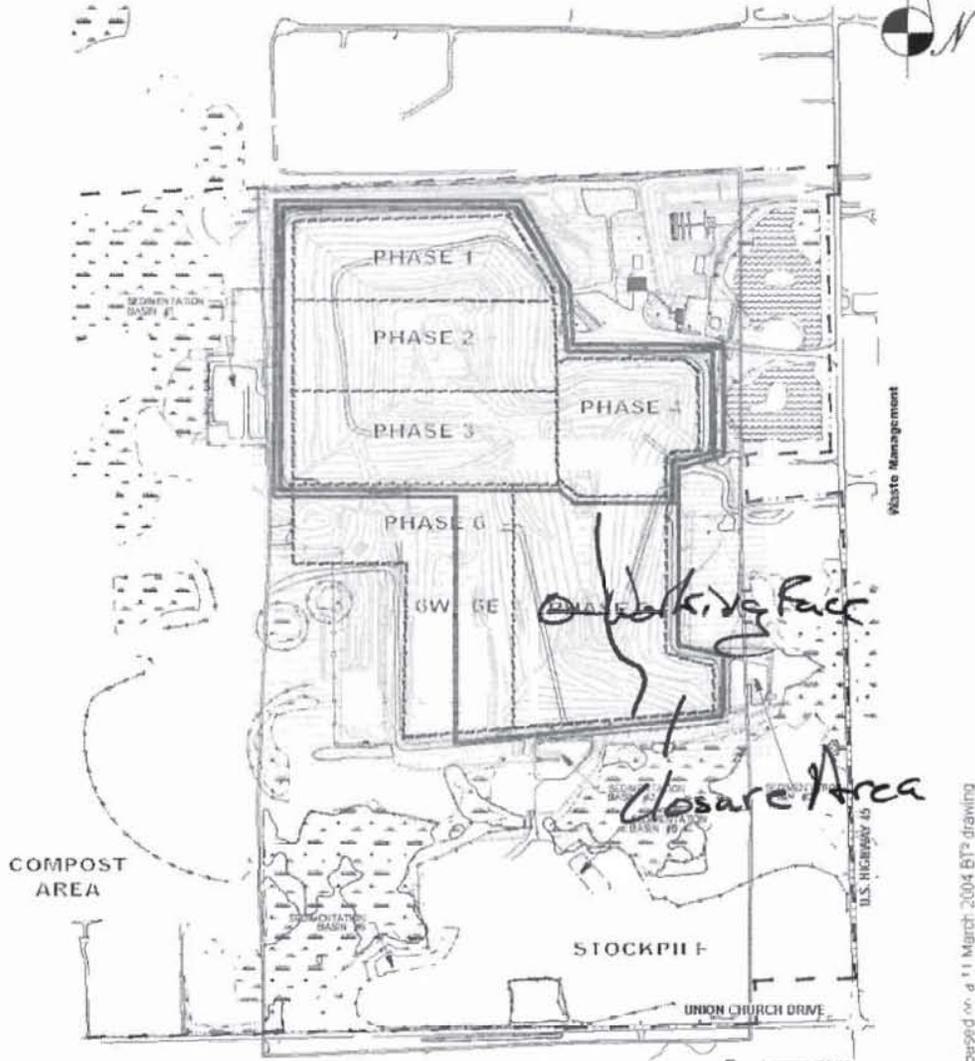
	Date/Time	Reason for Rejection
1.		<i>None</i>
2.		
3.		
4.		

Comments:



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO. 1020.10030



dated on 11 March 2004 BY: drawing

J Spear Associates

Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

LANDFILL AUDIT MAP



VEOLIA EMERALD PARK LANDFILL
 LANDFILL CONTRACTORS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE December 20, 2011 TIME 2:30

MAJOR EQUIPMENT USED IN CONSTRUCTION OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
	Compactor						
<u>2</u>	Dozer						
	Excavator						
	Haul Truck						
	Water Truck						
	Sweeper						

A. Work Accomplished Today (Scheduled & Completed):

~~* Closure Area III top soil complete~~
~~* Phase 7 reviewing final touches~~
 Vault installed
 All piping installed

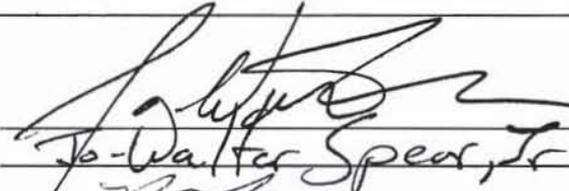
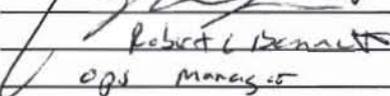


B. Excavations / Soil Management:

None

C. Off Site Hauling

	Weight Ticket Number	Weight of Load in Pounds
1		
2		
3		
4		
5		
6		
7		
8	None	
9		
10		

Auditor's Signature:  Date: 12/20/11
Auditor's Printed Name: Jo-Walter Spear, Jr.
Management Signature:  Date: 12-20-11
Management Printed Name: Robert L. Bennett
Management Title: Ops Manager



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened:

Updated:

Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes

**VEOLIA EMERALD PARK LANDFILL
AUDIT PHOTOS
CITY OF MUSKEGO**

PROJECT NO. 1012.10030



Closure Area III at Phase 4/5 juncture, berm and top soil in place.



Closure Area III at Phase 5, Southwest corner, top soil placed

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Previous working face covered in tarps



Phase 7 viewed from Northeast



Bottom of phase completed



Drainage layer, leachate collection placed over sump side slope riser only, not near edge of geo-textile and liner



Phase 7 viewed from Northeast



Stone drainage layer, leachate collection system at junction with Phase 3



LGP dozer establishing berm at edge of liner



South half of phase 7

VEOLIA EMERALD PARK LANDFILL
 LANDFILL OPERATIONS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE December 28, 2011
 Auditor on site at: Open Close

TIME 1:58

WEATHER Some Sun & Some Clouds

WIND S 5-10

TEMP Maximum 31 °F Minimum 28 °F

B.P. 30.06

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	Compactor						
<u>2</u>	Dozer						
	Excavator						
	Haul Truck						
	Water Truck						
	Sweeper						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:
Working face at Northwest corner of Active Area. Face requires long push from truck tipping area to compaction zone. Working face will move across active Area roads.



Cover Material:

Soils & Autojunk

B. Leachate Management:

Discharge to MMSD

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Turbines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Engines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Shutdowns Since Last Audit:			#	6
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

~~1,160 AFB~~ ~~slow due to holidays~~
~ 218,750

D. Surface Water Management:

Storm Events Since Last	# 0	Est. Volume	
-------------------------	-----	-------------	--

EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Buoys slowly freezing

E. Odor Control:

Odors Present: Onsite Offsite

Comments: No offsite

F. Special Waste Handling: storage of fingerprint samples and testing procedures

None



G. Litter Control:

Litter Present Onsite:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	
Litter Present Offsite:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	
Pickers Active:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	# 5

Comments:

Heavy winds since Sunday, litter collection good

H. Vehicle Impacts: Locations of excessive mud/dust, condition of access and public roads and control measures taken, instances of trucks on County roads.

US 43 @ 8 Mile (leas)

I. Inspection of incoming Waste:

Scale Camera Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	1
Equipment Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	
Spotter:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	12/28/2014					

Comments:

~ 1,100 YPD slow due to holidays

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		
2.		
3.		
4.		None

Comments:



L. Other Comments:

* Construct complete, awaiting approvals for use

* Closure Area ~~at~~ awaiting spring for sealing

* Minor dirt work at top of slopes

* Gas well in Phase 5 completed but not connected.

Auditor's Signature:

Auditor's Printed Name:

Management Signature:

Management Printed Name:

Management Title:

JSA Principal Signature:

[Handwritten Signature]
J. Walter Speed, Jr.
[Handwritten Signature]
Bob Bennett
Ops Manager

Date: 12/28/11

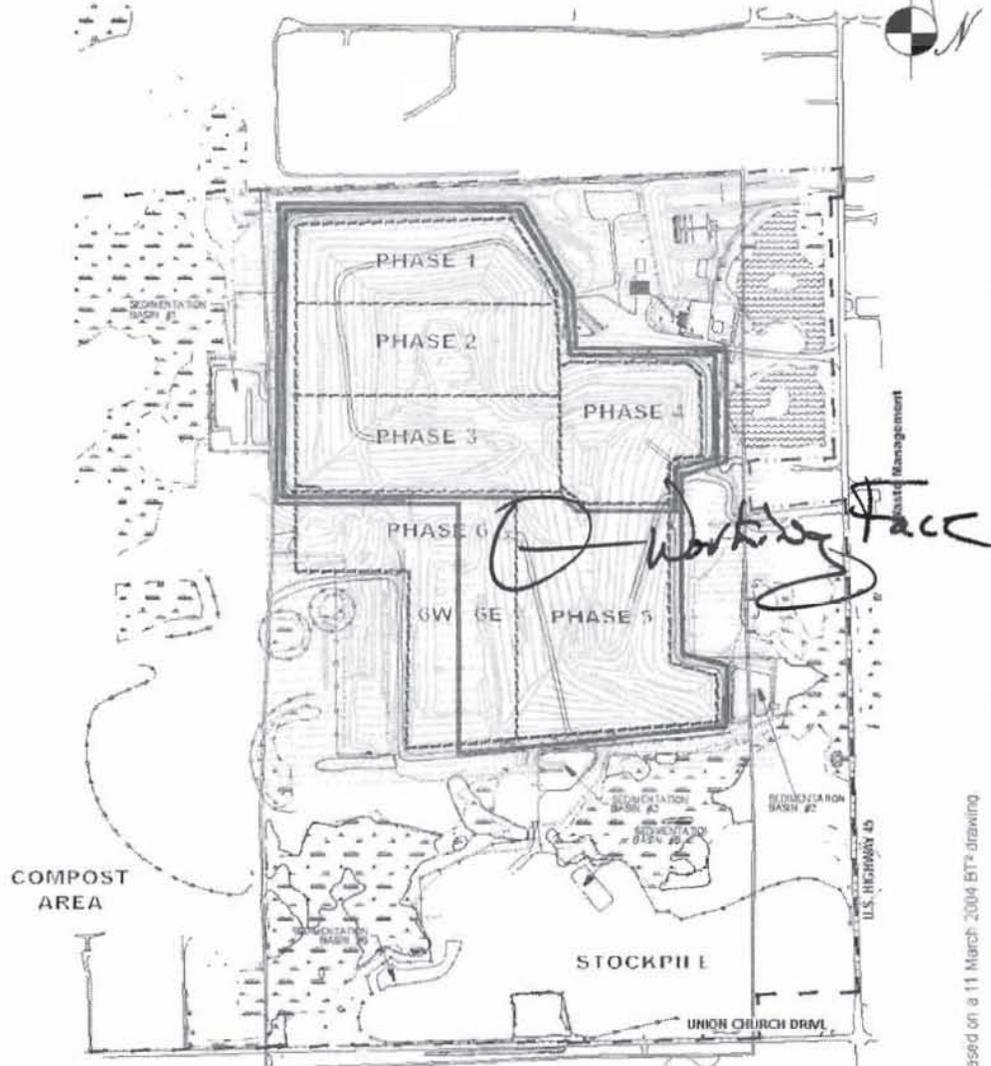
Date: 12-28-11

Date: _____



**VEOLIA EMERALD PARK LANDFILL
LANDFILL AUDIT MAP
CITY OF MUSKEGO**

PROJECT NO 1020.10030



COMPOST AREA

STOCKPILE

January 2002
December 2008

J Spear Associates
Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

LANDFILL AUDIT MAP

closed on a 11 March 2004 BT* drawing



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

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VEOLIA EMERALD PARK LANDFILL AUDIT PHOTOS CITY OF MUSKEGO

PROJECT NO. 1012.10030



Active Area, with working face at Northwest corner.



Final excavation and earth moving until spring

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Access road construction nearly complete



Working face



Stone drainage layer, leachate collection, completed

