



MEMORANDUM

2012 Advanced Disposal Services 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: 04/04/13
PROJECT NUMBER: 1012.10030

JSA Civil Environmental Engineers (JSA) has been acting as the Advanced Disposal Services Emerald Park Landfill Standing Committee's (Committee) Compliance Officer since 1999. JSA conducts weekly audits of the Advanced Disposal Services Emerald Park Landfill's (ADSEPL) 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 on the City of Muskego's web site.

November 30th, 2012, was the date of the official name change of the Emerald Park Landfill Facility. Veolia Environmental Services was purchased by Advanced Disposal Services prior to November 30th. For convenience, ADSEPL will be used throughout this report as the landfill facility name.

Throughout 2012, 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 ADSEPL Site
- Review and recording of all documents publicly released by ADSEPL, DNR, Host Communities, or public entities relating to the ADSEPL Site.
- Archiving of ADSEPL, DNR, and Host Communities' documents.

Specific to 2012, JSA has reported to the Committee and provided the following services

- Review of Expansion Feasibility Documents
- Review of Plan of Operations
- Review of Gas Building Design and Construction

JSA performed 52 Operational audits of ADSEPL during 2012, no construction audits were conducted. Audits are conducted on a weekly basis with no missed weeks and ADSEPL staff availability was not an issues as it had been in 2010 and 2011.

No audits were performed without the presence of ADSEPL staff. The site operated under three separate managers throughout 2012. Robert Bennett was the manager and present for the first audit of 2012, he was replaced the second week of January by Joseph (Joe) Kwiatkowski. Joe filled the position temporarily until David (Dave) Greier took the position in June, Dave's first audit presence was June 29th. In addition to the manager being present for audits, Dean Driggett the Environmental Manager and Brett Coogan, manager of the new Gas Building represented ADSEPL during audits and signed the Audit form.

Audits were performed during operational hours of the facility, no audits were conducted on the weekends. Audits are recorded on "Audit Forms", approved by the Committee and ADSEPL. The form is reviewed by both auditor and a ADSEPL 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 ADSEPL representative and Manager after returning to the office.

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). ADSEPL 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, ADSEPL is no exception; daily cover is a mix of auto-fluff, foundry sands, site soils, and landfill direct soil that was abundant in 2012. 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.

Though no odor complaints were made, weather conditions aid in the identification of potential odor sources, trail paths, and travel times.

Equipment used in Landfill Operation

ADSEPL 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 2012 with appropriate equipment, a compactor was used for compaction and a bulldozer to place daily cover. During periods of high soil volumes across the scale ADSEPL implemented more dozers and had as many as three operating at one time. Both Robert Bennett and David Greier are equipment operators and operated equipment during 2012 during periods of peak activity.

ADSEPL 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, ADSEPL 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 was available and used during dry dusty conditions. Another water truck is dedicated to leachate hauling, during 2012 leachate from the Future Parkland Facility was collected in the dedicated truck and used in recirculation at ADSEPL.

Equipment does require maintenance and at times does fail, there were no recorded incidents of the site not having suitable equipment active to conduction operational activities. In August, the site mechanic was terminated, but the lack of site mechanic for the last quarter has not had any noticeable effect on available equipment.

The site backhoe has been kept off the working face until a cab shield is installed to protect the operator and equipment from debris on the working face. The excavator has been used for dig outs while the backhoe is unavailable, however the backhoe is in use throughout the site outside of the active area.

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

The ADSEPL 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 ADSEPL 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. ADSEPL addresses street sweeping as far North as the intersection of US 45 and Loomis Road.

Working Face

ADSEPL maintains a working face that is approximately one half (½) 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. In addition to lower waste volumes the new phase 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 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.

The construction of the base, North, and East slope of Phase 7 was completed in 2011. The construction was documented and submitted to DNR, January 16, 2012 was the first placement of waste in Phase 7. The placement in new landfill cells starts with a fluff layer, carefully selected MSW with out large debris to provide a barrier between future layers and the leachate collection layer. Prior to January 16th and during the fluff layer placement working faces were maintained on the side slopes of Phase 3,4, and 6 for MSW. In April ADSEPL used only Phase 7 for disposal of MSW, working faces in Phases 2 & 3 were still used for soils.

The volume of landfill direct soils were so great in 2012 that the material was tipped above Phase 7 and as intermediate cover about Phase 7. The material is excavated as Phase 7 progresses in elevation and used for various covers or left in place depending on available volumes. The material was excavated for daily cover as well when auto-fluff was not available or in reduced volume.

2 Separated into bio and landfill direct

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

During 2011 and the start of 2012 it was observed that daily cover conditions improved under Robert Bennett, these conditions improved further under Joe and additionally under David Greier's management.

Cover Material

The daily cover used by ADSEPL consists of auto-fluff, foundry sands, on-site soils, and landfill direct soils received during the year. Though auto-fluff shortages did occur during 2012, abundant soils prevented any decline in cover conditions. Intermediate cover on Phase 7 side slopes was well constructed throughout 2012 as discussed under *Working Face* conditions above.

Leachate Management

ADSEPL 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 2012 along with the placement of new recirculation lines. The recirculation of leachate during 2012 was minimal.

Only one set of recirculation lines was installed in 2012, installation was started in late August and completed by the end of September.

There was one Action Item concerning Leachate on March 20, 2012; leachate volumes in Phase 7 were great enough that more than 1' of leachate was upon the liner. It was addressed by pumping and completed on April 13, 2012.

Gas Monitoring & Management System

ADSEPL operates a flare to destruct landfill gas (LFG) collected at the site. In 2012, ADSEPL completed the construction of the "Gas Building". The new facility at the site prepares the landfill gas(LFG) for distribution to MMSD via a pipeline. To make the gas usable at the target end of the pipeline, it must be cleaned, dried, and compressed. The facility removes the impurities from the LFG so that the pipeline is only carrying Methane. The construction of the facility included the relocation of the flare for destruction of the gas when the pipeline is not in use and an enclosed flare that is used to destruct contaminants. The facility is complete and operational, however MMSD is not prepared to receive the methane.

During the construction, testing, and operation of the Gas Building, shutdown have and will occur. During prolonged shutdown there will be flaring, during the shutdowns for construction

and calibration there were not odor complaints or increased odors detected during concurrent audits.

There were no action items for Gas Monitoring & Management

Surface Water Management

ADSEPL maintains three drainage basins and one temporary basin⁴ along with several thousand feet of conveyances. The conveyances were maintained throughout the year, but the basins have not been cleaned in 2012. Basin #2, South of Phase 5, cleaning was initiated in August, but never completed.

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. Closure Area III did receive additional efforts during 2012; after the installation of gas lines and repairs to the surface, it was reseeded and ditches cleaned.

ADSEPL 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 and now 2013. ADSEPL also has not met the requirements of the City of Muskego Chapter 35 Stormwater Ordinance.

There were no action items for Surface Water Management

Odor Control

Auditors record the presence of off site and on site odors; in 2012 there were two occurrences of off site odors and 20 on site odors. There were no odor complaints recorded in 2012. The majority of on site odors were the detection of LFG odors along the toe of Phase 5/6 and along the access road to Phase 7. There were odors of fresh garbage above within the vicinity of the active area. In June, surface emission testing detected gas leaks on the South end of Phase 5 which were addressed and retested. In August a leak was detected in gas collection lines in the very furthest reach of the Southwest corner of Phase 6, under the access road to Phase 7; after repairs gas odors dropped off in future audits..

ADSEPL did not implement any odor control activities or substances in 2012 other than placement of cover. ADSEPL does possess products for odor neutralizing

4 Excavation along South and West slope of Phase 7

There were no action items for Odor Control.

Special Waste Handling

Waste profiles, sampling, and protocols are done off site from the ADSEPL Facility. This item remains on the audit should a new waste be accepted. ADSEPL 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

ADSEPL 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. ADSEPL also hires litter pickers to gather litter both on and off site.

New and heavier gauged mobile fences were purchased in August of 2011. The mobile fencing was used in the active area throughout 2012 and several sections were in permanent use at the junction of Phases 3,4,5,6, & 7, Northeast corner of Phase 7 to prevent litter from blowing to the East. Off site litter is recorded, if present, during an audit. If the litter is present in the subsequent audit an Action Item is issued. Litter was only recorded off site on October 4; the site employs two pickers daily and on Friday one picker operates the Residential Drop-off.

No Action Items were recorded in regard to litter

Vehicle Impacts

ADSEPL sweeps US 45 when required by road conditions. When sweeping is done, ADSEPL sweeps as far North as the intersection of US 45 and Loomis Road to address concerns by the residents along that stretch and motorists. ADSEPL also enforces sweeping to be done by the second party excavators during back hauls and clay removals.

There were no action items relating to Vehicle Impacts

Inspection of incoming waste

ADSEPL 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. ADSEPL does not make use of spotters nor does it have working faces that are not monitored by ADSEPL staff.

All Wisconsin permitted landfills are required to perform a 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 load inspections were routinely performed once per week throughout 2012.

No Action Items were recorded regarding Inspection of incoming waste.

Rejected Loads

No rejected loads were recorded in 2012

Contractors Audit

In 2012 ADSEPL engaged the services of Oaks, Mueller Excavating, Terra, and SweepAll to aid in the construction and maintenance at the site. The activities of all contractors were recorded during audits.

Landfill Expansion Phase 7

Construction of Phase 7 was not completed in 2011, however the DNR did provide approval to fill the available completed area. ADSEPL has two sides of the Phase to complete along with the construction of additional stormwater structures and conveyances. This construction should occur and be completed in 2013.

Though no additional earthwork construction occurred in 2012, excavation for site projects, clay removal, and back hauls did occur in the foot print that will complete Phase 7 and be the future Phase 8, reducing construction time, when initiated for those Phases.

Action Items

There was one Action Item in 2012 regarding leachate volumes. 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 Manager on site through out 2012.

However ADSEPL is operating with an incomplete cell, which is now cresting above the surrounding grade. The stormwater system for the cell is incomplete and may have issues until construction is completed. ADSEPL 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 ADSEPL has not completed a Chapter 35 Stormwater Permit application or the required Stormwater Maintenance

Audits in 2013

JSA will continue to conduct audits in 2012

YEAR END

2012

ADVANCED DISPOSAL SERVICES
EMERALD PARK LANDFILL
CITY OF MUSKEGO



**Advanced
Disposal**





**Advanced
Disposal**

January



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

To: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Jo Spear, Jr.
COPIES: File
DATE: 4/3/2012
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of January 1, 2012. The audit was performed at 10:15am on **January 6, 2012** by Jo Spear Jr. in the presence of Robert Bennett.

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

- No Soils being received
- MSW being tipped in Middle of Phase 5 and 6, one truck wide
 - Only intermediate cover to be placed on slopes due to tight conditions, site soils only
- Leachate being discharged to MMSD
 - Injection wells in Phases 5&6 extended
 - New wells in Phase 6 connected to gas system, low vacuum to start
- Flare in operation during audit, no shut downs
 - Flare operation has been stable at 1,850 cfm
- Dusting of snow since last audit
 - Basins too "wet" for cleaning
- No odors
- No litter and 2 pickers
- US45 and 8 Mile Road clean
 - Site roads being cleaned during audit
- Tipping scale camera and equipment operators inspecting waste ~1400tpd
 - Random Load inspection date was 1/2/2012
- No construction activities

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 6, 2012 TIME 10:15
 Auditor on site at: Open Close

WEATHER Clear Sunny, Warm WIND S-SW 0-5

TEMP Maximum 43 °F Minimum 28 °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 at ~~South~~ Northern end of Active Area filling toward access road. Active Area narrow enough that intermediate rock is being placed on both East & West side slopes
No other working faces



Cover Material:

Autoglyf & Soils

B. Leachate Management:

Extended injection wells in Phase 5/6
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 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:

Weather conditions keep vegetation healthy
~ 1,850 cfm

D. Surface Water Management:

Storm Events Since Last	# 1	Est. Volume	~
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EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Minor dusting of snow. Basins & ditches
have plenty of free board. Weather to warm for cleaning

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 checked="" type="checkbox"/>	NO <input type="checkbox"/>	# 2

Comments:

Low winds, No litter
Resi-drop off in use pickers supporting

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 Road Clean
Site roads being cleaned 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:

1/5/2011

Comments:

~ 1,300 TPD of Total Waste

J. Rejected Loads:

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

Comments:



L. Other Comments:

* New gas wells connected to gas system, should see greater gas destruction

* No contractors onsite, construction activities appear completed

Auditor's Signature: _____

Date: 1/6/2012

Auditor's Printed Name: T. Waterspear Jr

Management Signature: _____

Date: 1/6/2012

Management Printed Name: DEAN DRIBETT

Management Title: ENVIRONMENTAL MGR

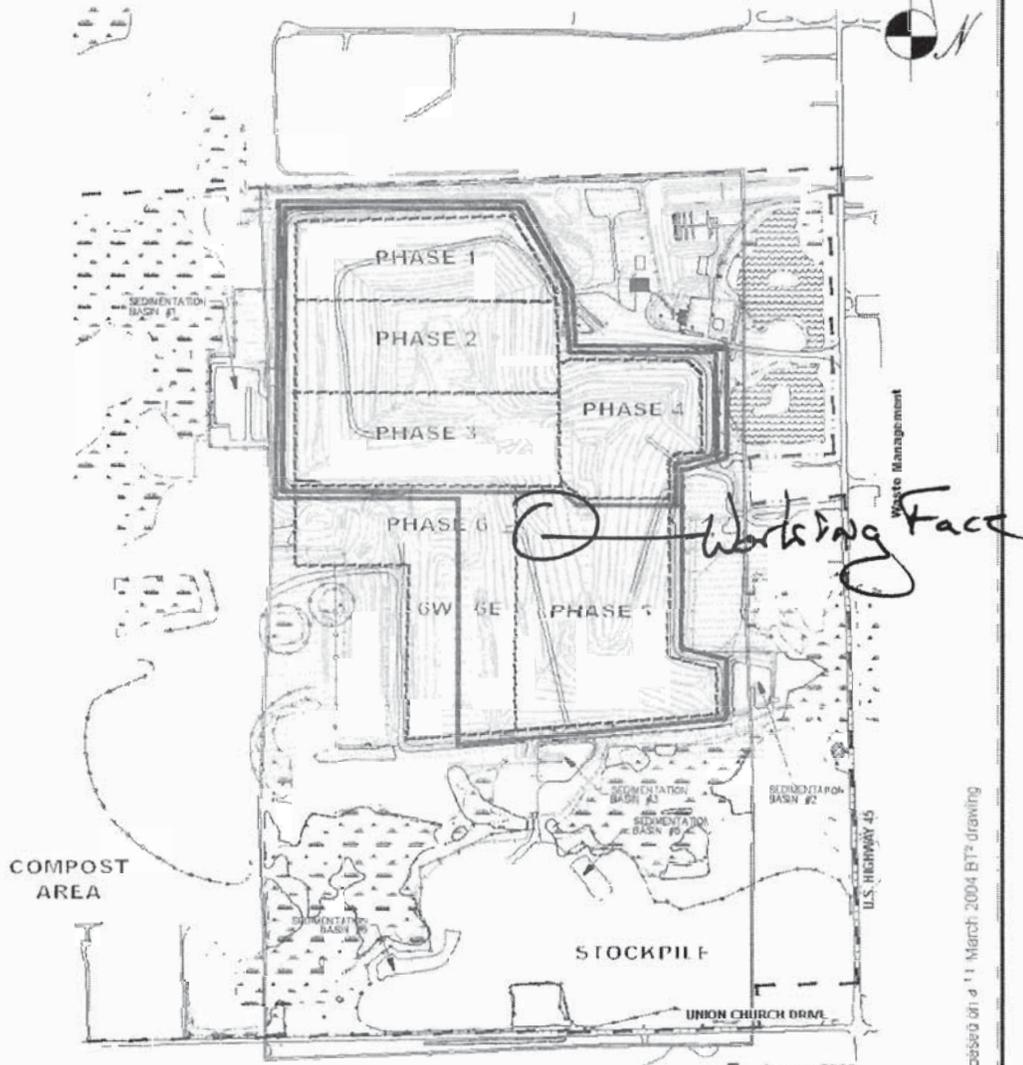
JSA Principal Signature: _____

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

revised on 4/11 March 2004 BT's 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



Phase 5, East slope, waste limits can be seen at top. Closure area completed



Active area

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Working face shaping about extended injection well



Phase 7, completely prepared for waste tipping. Northwest corner will be pumped dry when



Phase 7 awaiting approval



E-Waste Collection box



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Jo Spear, Jr.
COPIES: File
DATE: 4/3/2012
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of January 8, 2012. The audit was performed at 10:50am on **January 11, 2012** by Jo Spear Jr. in the presence of Robert Bennett.

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

- One working face at South end of Phases 5&6, very small
 - Working face prepared in side slope of Phase 6 should space be needed
 - No soils or other working faces
 - 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 1,800 cfm
- No storm events since last audit
 - Weather too warm for basin cleaning
 - Roads and shoulders being regraded and cleaned by contractor
- Minor gas odor along South slope of Phase 5&6
- Litter onsite only with 2 pickers
- US45 and 8 Mile Road clean, but dusty
- Tipping scale camera and equipment operators inspecting waste ~1,200 tpd
 - Random Load inspection date was 1/5/2012
- No Construction activities
 - New Cell awaiting approval before Waste Placement
- New Management
 - Joseph Kwiatkowski replaced Robert Bennett as General Manager.
 - Temporary assignment

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 11, 2017
Auditor on site at: Open Close

TIME 10:50

WEATHER Clear Sunny

WIND S 5-10

TEMP Maximum 50 °F Minimum 28 °F

B.P. 29.67

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
<u>1</u>	<u>Dozer</u>	<input checked="" type="checkbox"/>					

A. Working Face Size and Location:

Working face, tight & narrow at South
end of ~~work~~ Active Area. Additional
active area created on Phase 6
West slope if needed



Cover Material:

Auto fluff and site soils for sideslope intermediate cover

B. Leachate Management:

Discharge to MUSD

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 type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

~1,800 cfw

D. Surface Water Management:

Storm Events Since Last	# 0	Est. Volume	0
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EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Roads plowed, no cleaning until site freezes
Road cleaning, shoulders & erosion repair
being done by O&S

E. Odor Control:

Odors Present: Onsite Offsite

Comments: No off site odors, minor gas odor

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"/>	# 2

Comments:

Minor litter on Phase 6 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 1/8 Mile Clear, site roads 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"/>	#	
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	1/5/2012			

Comments:

~ 1,200 TPD

J. Rejected Loads:

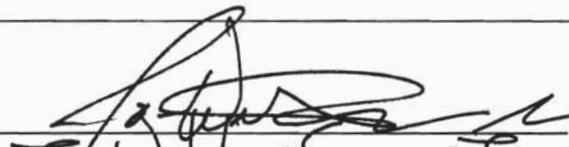
	Date/Time	Reason for Rejection
1.		None
2.		
3.		
4.		

Comments:



L. Other Comments:

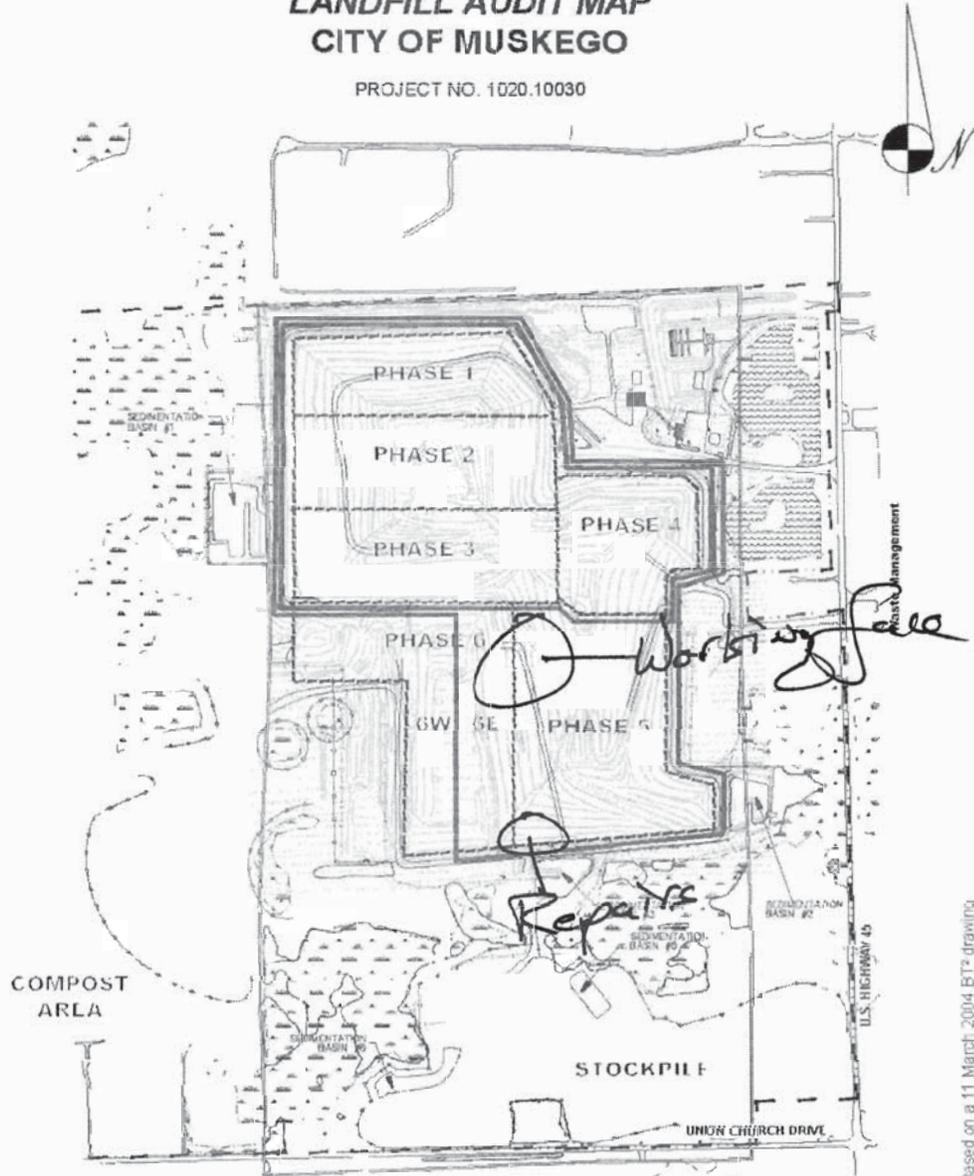
- * New cell awaiting approval from DNR to begin operation
- * Oaks onsite cleaning up roads
- * Joseph J. Kwiatkowski, acting landfill manager while search for Robert Bennett's replacement occurs

Auditor's Signature:  Date: 1/11/2012
Auditor's Printed Name: Joe-Walter Spear Jr.
Management Signature:  Date: 1/11/2012
Management Printed Name: Joseph Kwiatkowski
Management Title: Operations Manager
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

Based on a 11 March 2004 BT* 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



Conditions on berm behind Shooting Range



Active area

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Working face at top of Phase 5/6



Phase 7 and compost area



Phase 7 awaiting approval



E-waste collection container read



Preparing an area for future construction



On January 16, 2012; waste receipt in Phase 7 was permitted, the process is called a fluff layer, photos only were taken on 1/16/2012



Fluff Layer



Fluff layer being spread out from access road



Current working face in side slope of Phase 3



Phase 7 overview on first day receiving waste, in a fluff layer



Fluff layer being added, and then will be pushed out into the cell



Excavator preparing future waste placement location



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

To: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Jo Spear, Jr.
COPIES: File
DATE: 4/3/2012
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of January 15, 2012. The audit was performed at 2:05pm on **January 19, 2012** by Jo Spear Jr. in the presence of Dean Driggett.

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

- Specific loads being tipped in Phase 7 as a fluff layer
 - covered with tarps and/or autofluff
- MSW being tipped in South slope of Phase 3, similar to trench filling
 - covered with site soils
- Soils being tipped, with some C&D in Phase 2
- Leachate being discharged to MMSD
- Flare in operation during audit, no shut downs
 - Flare operation has been stable at 1,900 cfm
- Snow event since last audit, site snow covered
 - No flowing water, basins frozen
- No odors
- Litter onsite only, 2 pickers active
- US45 and 8 Mile Road and clean
- Tipping scale camera and equipment operators inspecting waste
- No contractor activity, basin cleaning schedule pushed back until completion of fluff layer

VEOLIA EMERALD PARK LANDFILL
 LANDFILL OPERATIONS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE January 19, 2011 TIME 2:05
 Auditor on site at: Open Close

WEATHER Clear, Sunny WIND N-NE 10-20

TEMP Maximum 9 °F Minimum -1 °F B.P. 30.03

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>13</u>	Compactor						
<u>1</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 is Phase 3/7 junction while
 tracks tip light loads in Phase 7 for staff
 layer. Landfill direct soils along
 with C&D in Phase 2.



Cover Material:

Tarps & Autofluff in use for cover
Ample Volumes of Autofluff

B. Leachate Management:

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 checked="" type="checkbox"/>	Fair	<input type="checkbox"/>	Poor	<input type="checkbox"/>
	Dead	<input type="checkbox"/>				<input type="checkbox"/>

Comments:

Vegetation Snow Covered
~1,900 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:

Snow event, no flowing water on site

Basins 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:

Minor litter on Access Road

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 $\frac{1}{2}$ 8 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"/>	#	1
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:				

Comments:

J. Rejected Loads:

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

Comments:



L. Other Comments:

- * Fluff layer continuing
- * Basin clean out on hold until fluff layer completed
- * Site digging out intermediate cover in Phase 3 to place waste.

Auditor's Signature: _____

Auditor's Printed Name: _____

Management Signature: _____

Management Printed Name: _____

Management Title: _____

JSA Principal Signature: _____

Date: 1/19/12

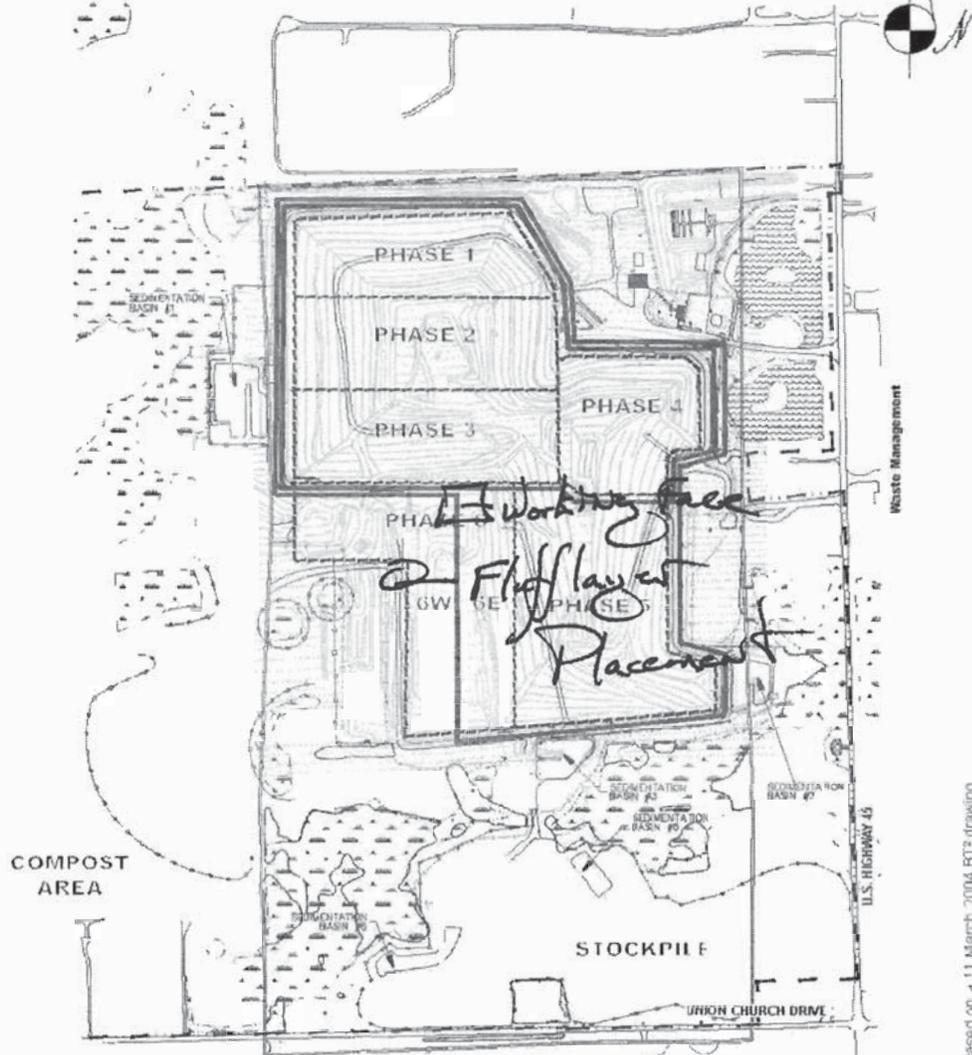
Date: 1/19/12

Date: _____



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

PROJECT NO 1020.10030



closed 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



Phase 7 overall



Active area

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Excavation of slope soils for future waste placement



Working face viewed from top of Phase 2



Working face



Working face



Working face notched into slope



Phase 7 fluff layer spreading



Phase 7 fluff layer with autofluff stockpiled for cover



Active area on South slope of Phase 3



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

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

FROM: Jo Spear, Jr.

COPIES: File

DATE: 4/3/2012

PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of January 22, 2012. The audit was performed at 12:30pm on **January 27, 2012** by Jo Spear Jr. in the presence of Dean Driggett.

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

- Selected loads being tipped in Phase 7 for fluff Layer
 - covered with autofluff
- Additional MSW being tipped in side slope of Phase 3/6, trench fill
 - covered with soil
- No other working faces
- Leachate being discharged to MMSD
 - Pumping only during operational hours
- Flare in operation during audit, no shut downs
 - Flare operation has been stable at 1,900 cfm
- Minor snow even since last audit
 - Thawing has caused new rills in stockpiles
 - Surface water flows in ditches only, basins frozen
- Minor gas odor on site
 - Persistent odor encountered on several audits
- Litter onsite only, 2 pickers active
 - Third picker operating resi-drop-off
- US45 and 8 Mile Road clean
 - Site road mucky
- Tipping scale camera and equipment operators inspecting waste ~1,000 tpd
 - Random Load inspection date was 1/26/2012
- No construction activities, contractor's equipment on site til spring

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 27, 2012 TIME 12:30
 Auditor on site at Open Close

WEATHER Clear Sunny WIND S 5-10

TEMP Maximum 35 °F Minimum 27 °F B.P. 29.87

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	Haul Truck						

A. Working Face Size and Location:

Working face in junction of Phase 6 & 3
Fluff layer in Phase 7 Progressing
Other equipment operators in
Safety training during Audit



Cover Material:

Autofluff and site soils

B. Leachate Management:

Discharge to MMSD
Day Time pumping only

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 type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Vegetation around flare matches other
site veg. ~ 1,900cfm

D. Surface Water Management:

Storm Events Since Last	#	0/1	Est. Volume	
-------------------------	---	-----	-------------	--

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

Snow event last week, minor

Some Pkls in Stockpiles
Site water flowing in ditches only

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

MTR gas odor at 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 checked="" type="checkbox"/>	NO <input type="checkbox"/>	# 2

Comments:

Minor litter around Active Area
Resi drop off operated by 3rd 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 1/8 mile (clean)
Site Roads Mucky

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	
Equipment Operator:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	
Spotter:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	
Random Load Inspection Dates:	1/26/2012			

Comments:

~ 1,000 TPD

J. Rejected Loads:

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

Comments:



L. Other Comments:

* Fluff layer ~ 1/6th complete
* No Construction Activities. Equipment left onsite for spring construction

Auditor's Signature: _____

Auditor's Printed Name: _____

Management Signature: _____

Management Printed Name: _____

Management Title: _____

JSA Principal Signature: _____

Date: 1/27/2012

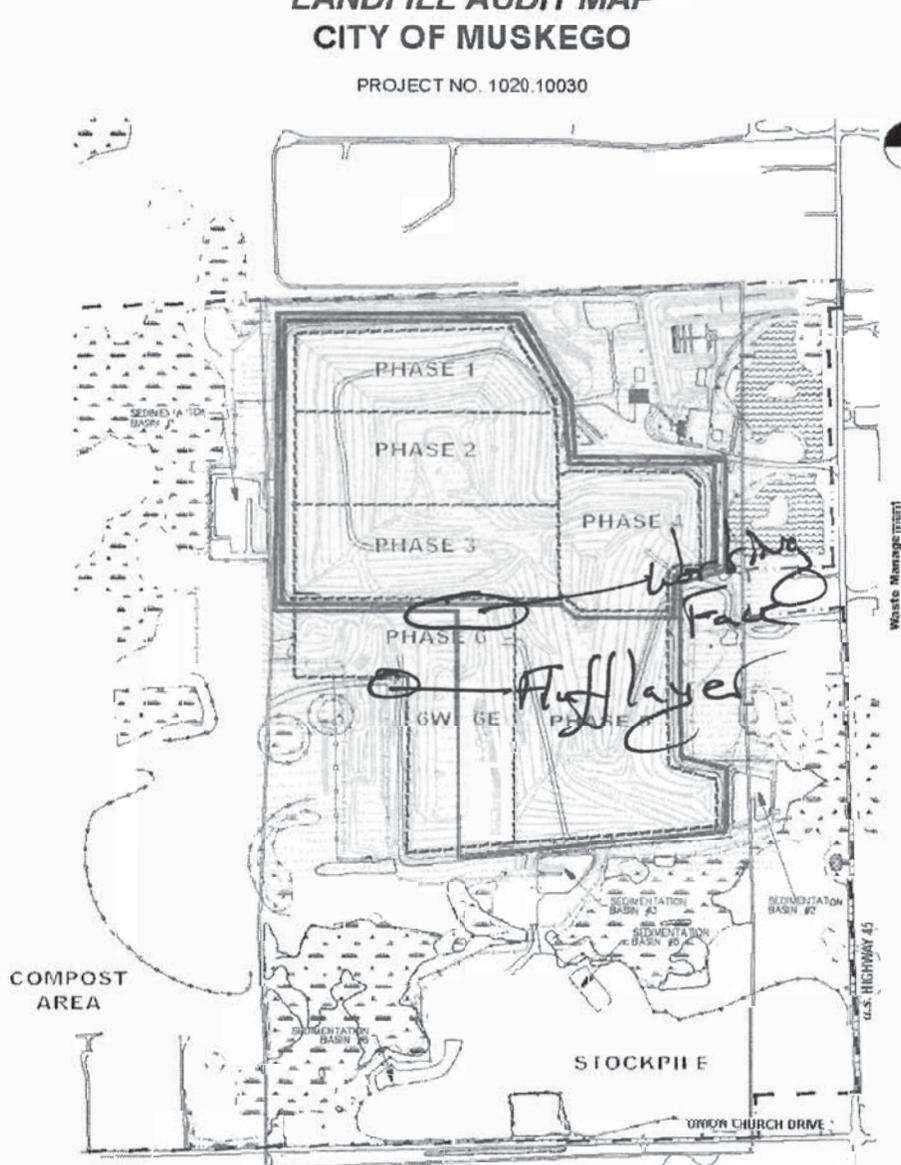
Date: 1/27/2012

Date: _____



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

PROJECT NO. 1020.10030



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



Working face in Phase 3 South Slope



Working face

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Fluff layer progression across Phase 7



Fluff layer at grade



Working face in side slope



Fluff layer, approxiamately 10 feet thick



**Advanced
Disposal**

February



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

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

FROM: Jo Spear, Jr.

COPIES: File

DATE: 4/3/2012

PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of January 29, 2012. The audit was performed at 12:30pm on **February 2, 2012** by Jo Spear Jr. in the presence of Dean Driggett.

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

- Selected loads being tipped in Phase 7 for fluff Layer
 - covered with autofluff
- Additional MSW being tipped in side slope of Phase 3/6, trench fill
 - covered with soil
- No other working faces
- Leachate being discharged to MMSD
 - Pumping only during operational hours
- Flare in operation during audit, no shut downs
 - Flare operation has been stable at 1,900 cfm
- No weather event since last audit
 - Thawing has not caused erosion to Closure Area III slopes
 - Basins too mucky to clean
- Minor gas odor on site
 - South side of Phase 5
- Litter onsite only, 2 pickers active
- 8 Mile Road clean, US 45 has autofluff and other debris present
- Tipping scale camera and equipment operators inspecting waste ~1,300 tpd
 - Random Load inspection date was 2/2/2012
- Well extensions occurring in Active area as needed

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 1, 2012 TIME 3:00
 Auditor on site at: Open Close

WEATHER Overcast, Grey Sky, Windy WIND 5-5
 TEMP Maximum 42 °F Minimum 27 °F B.P. 30.28

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
<u>1</u>	Compactor						
<u>3</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 side slopes of Phase
3 & 6. Trenches being cut for next days
Waste Fluff layer progressing across
bottom of Phase 7



Cover Material:

Autobuff & Tarps, Soil for side slopes

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:

Grass about flare due to unseasonable warm & wet weather ~ 1,900 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:

Some Site Thawing, Closure Area III Slopes in good condition, Basins too mucky to clean with Equip

E. Odor Control:

Odors Present: Onsite Offsite

Comments: Minor gas odor along Southend of Phase S

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

Comments:

Autofluffing roadway & on shoulders
Some litter Below active 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 Very dirty, Autofluff & Debris on
Roadway & 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:	2/2/2012			

Comments:

~ 1,300 TPD

J. Rejected Loads:

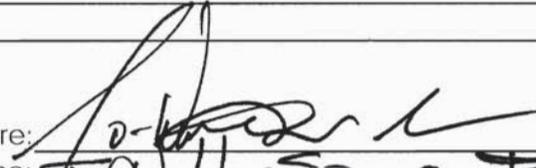
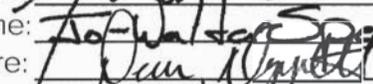
	Date/Time	Reason for Rejection
1.		None
2.		
3.		
4.		

Comments:



L. Other Comments:

* Interim Site manager absent to receive additional training, otherwise on site
* Well extensions in Active Areas ongoing as needed

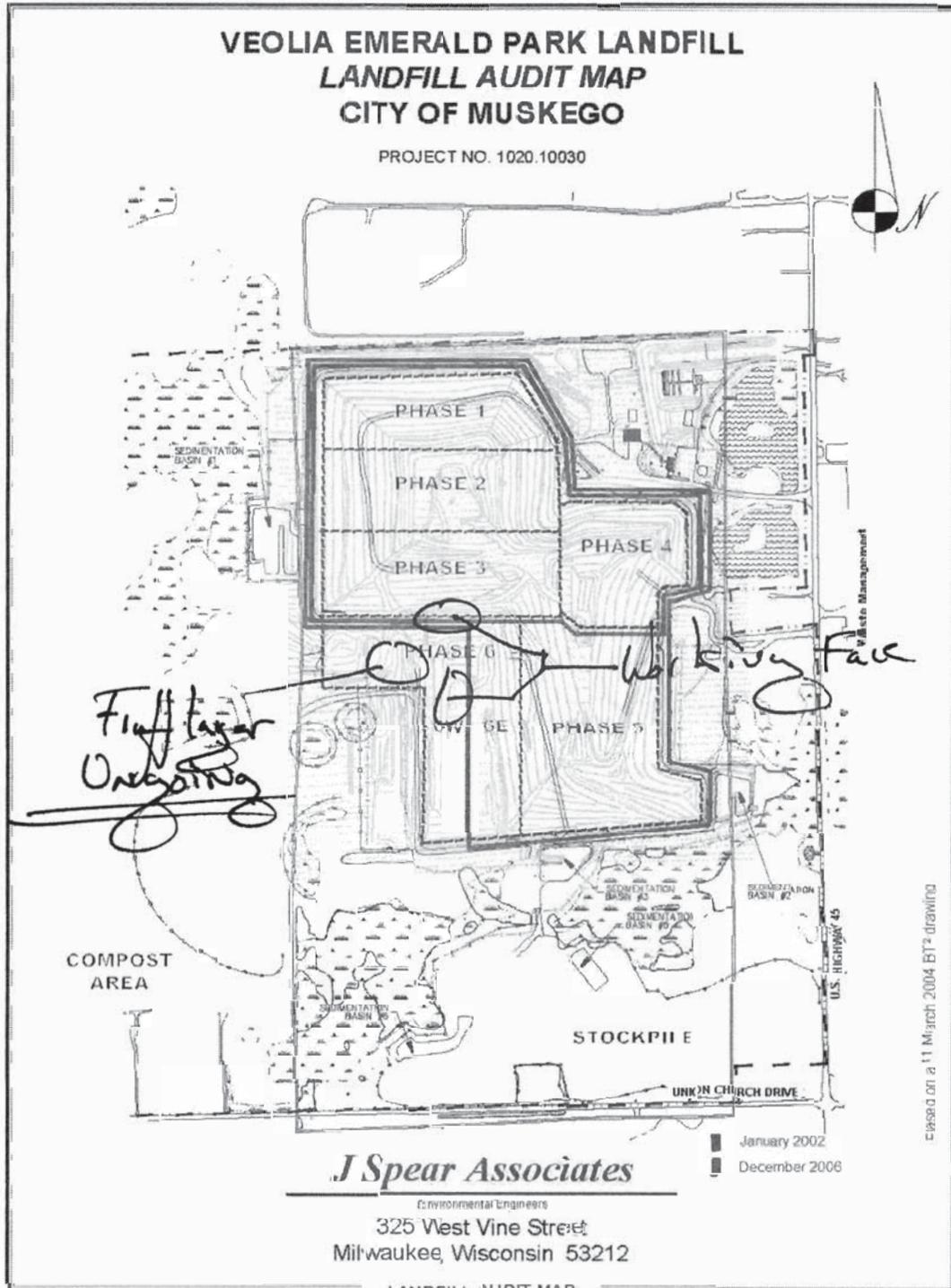
Auditor's Signature: 
Auditor's Printed Name: Tom Walter, PE
Management Signature: 
Management Printed Name: DEAN DRIGGETT
Management Title: ENVIRONMENTAL MGR
JSA Principal Signature: _____

Date: 2/2/2012
Date: 2/2/2012
Date: _____



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

PROJECT NO. 1020.10030



Classed 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



E-waste box 1/2 full



Slope conditions behind flare. Closure Area III needs seeding

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Phase 6/7 junction



Fluff layer receiving waste



Working face in side slope



Working face in side slope of Phase 3



Phase 7, with working face in side slope of Phase 3 above



Phase 7



Fluff layer large enough to allow trucks to tip in Phase 7



Phase 7 and Phase 6 West slope, future waste placement location



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 4/3/2012
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of February 13, 2012. The audit was performed at 1:40pm on **February 15, 2012** by Jo Spear Jr. in the presence of Joseph Kwiatkowski.

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

- Working face at top of phase 3 side slope, south end
 - Fluff layer in Phase 7 complete enough to start placement of other wastes along Phase 6 west
 - Autofluff and site soils for cover
- Leachate being discharged to MMSD
- Flare in operation during audit, no shut down
 - Flare operations consistent ~ 2300 cfm
- One storm event since last audit
 - Minor snowfall since last audit, negligible volume
 - Site thawing but basins still iced over
- Minor odor at phase 5
- No offsite odors, minor odor at fluff layer
- Litter on site well controlled, 2 pickers active
- US 45 and 8 Mile Road clean except for north of shooting range entrance due to pipe work
- Tipping scale camera and equipment operators inspecting waste
 - Random load inspection on 2/10/2012, ~1300tpd
- Upper tipping area to be reserved for future tipping and Phase 7 to be doing majority of tipping
- Phase 3 redressed for future bio and landfill direct soils tipping

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 15, 2012 TIME 1:40
 Auditor on site at: Open Close
 WEATHER Clear, Sunny, Steady Wind WIND S 5-10
 TEMP Maximum 42 °F Minimum 33 °F B.P. 30.04

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
1	6" Pump	✓					

A. Working Face Size and Location:

Working face at top of Phase 3 sideslope,
at South end. Fluff layer in Phase 7 complete
enough to start placement of other wastes
Along Phase 6 West.



Cover Material:

Autofluff & 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 operation consistent to 2,300cfm

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:

Minor snow fall since last audit, negligible volume site thawing but basins still iced over

E. Odor Control:

Odors Present:

Onsite Offsite

Comments:

No offsite odor, minor odor above fluff layer

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:

Site litter well 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 & 8 Mile Clean, except for North of ~~Target~~ Shooting Range entrance due to pipe ~~work~~ work.

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: 2/10/12				

Comments:

~ 1,300 TPD

J. Rejected Loads:

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

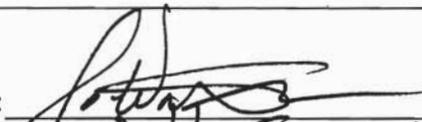
Comments:



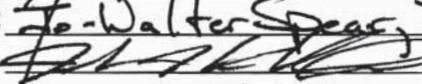
L. Other Comments:

* Upper tipping areas to be reserved for future tipping and Phase 7 to be doing maintenance of tipping

* Phase 3 redressed for future bio & landfill direct soils tipping

Auditor's Signature:  Date: 2/15/12

Auditor's Printed Name: Joe-Walter Spear, Jr.

Management Signature:  Date: 2/15/12

Management Printed Name: Jan Kwiakowski

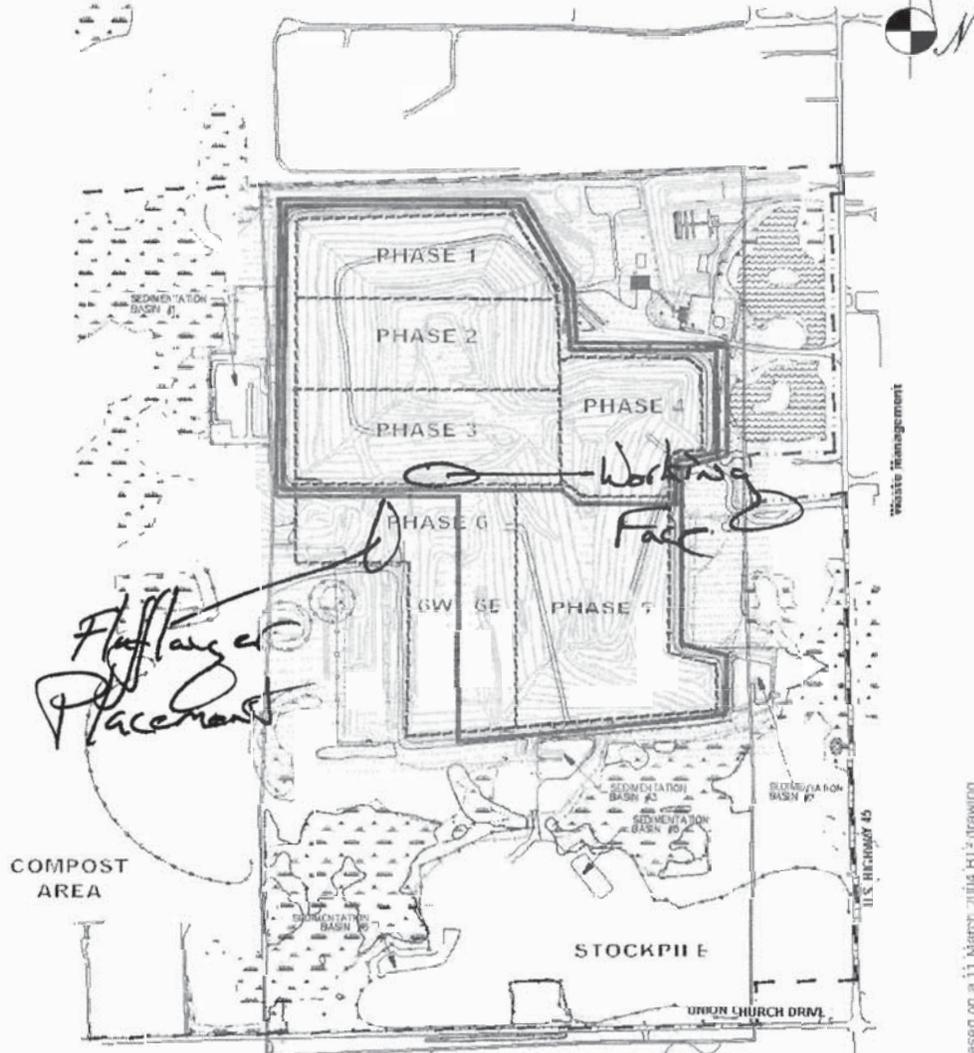
Management Title: Operations Manager

JSA Principal Signature: _____ Date: _____



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

PROJECT NO. 1020.10030



Based on a 11 March 2004 1:12 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



Excavator helping with fluff layer spreading



Compactor active above fluff layer

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Working face in South slow of Phase 3



Site's highest point on Phase 5



Landfill direct soils



North slope of Phase 4, additional clay to be added prior to top soil and planting



Working face in South slope of Phase 3



Above Phase 7



Fluff layer after placement and use



Fluff layer



Dozer active in new Cell



Phase 7 recieving waste for Fluff layer and some placement to the East



Phase 7 complete view



Fluff layer progress



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 03/23/12
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of February 20, 2012. The audit was performed at 1:20pm on **February 24, 2012** by Jo Spear Jr. in the presence of Joe Kwiatkowski.

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

- Working face on east edge of new phase
 - Fluff layer being spread westward
 - C & D loads being tipped in south slope of Phase 3
 - Autofluff and soils recovered from west slope of Phase 6
- Leachate being discharged to MMSD
- Flare in operation during audit, no shut downs
 - Snow cover preventing evaluation of vegetation
- One storm events since last audit, ~1"
 - Snow fall this AM already experiencing melt making for wet and gritty conditions
- No odors noted
- Snow cover preventing litter, 2 pickers active, one managing residential drop off
- US45 and 8 Mile Road clean but wet due to weather
- Tipping scale camera and equipment operators inspecting waste ~1500tpd
 - Random Load inspection date was 2/21/12.
- Equipment operator Palonial no longer an employee
- Construction on gas system building to begin week of march 5th

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 24, 2012 TIME 1:20
 Auditor on site at: Open Close

WEATHER Overcast, with sun, intermittent snow WIND W 10-20

TEMP Maximum 35 °F Minimum 20 °F B.P. 29.58

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

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

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance
<u>1</u>	<u>6" Pump</u>						

A. Working Face Size and Location:

Working face on East edge of New Phase.
Fluff layer being spread westward.
C&D loads being tipped in South
Slope of Phase 3.



Cover Material:

Auto pluff of soils recovered from 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 type="checkbox"/>	#	NA
Engines in Operation:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	NA
Shutdowns Since Last Audit:	#			
Vegetation Condition:	Good <input checked="" type="checkbox"/>	Fair <input type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Snow cover preventing evaluation of vegetation

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:

Snowfall this Am, already experiencing melt. Making for wet & gritty conditions.

E. Odor Control:

Odors Present:

Onsite Offsite

Comments:

No off site 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 type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Pickers Active:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	# 2

Comments:

Snow cover preventing litter action
one picker running resi-dropoff

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 of 8 Mile clear but 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:	2/21/2012			

Comments:

2/1,500 TPT

J. Rejected Loads:

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

Comments:



L. Other Comments:

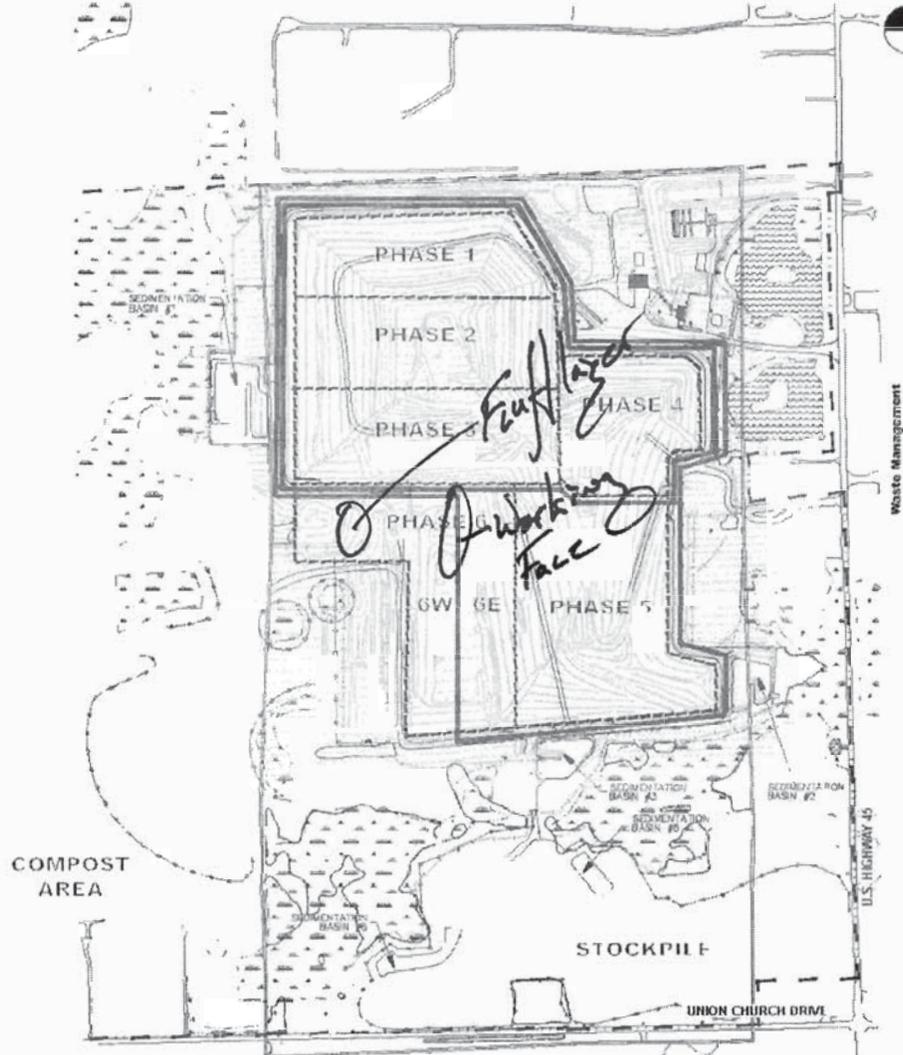
* Equipment Operator, Palowiel, no longer an employee.
* Construction on gas system building to begin next week of March 5th.

Auditor's Signature: [Signature] Date: 2/24/2012
Auditor's Printed Name: Joe W. [unclear]
Management Signature: [Signature] Date: 2/24/2012
Management Printed Name: Joe Kwiatkowski
Management Title: Operations 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 BT7 drawing

■ 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



Working face



Compactor in up slop working face above Phase 7

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Working face in Phase 7



Fluff layer



**Advanced
Disposal**

March



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

To: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 03/23/12
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of February 27, 2012. The audit was performed at 2:11pm on **March 1, 2012** by Jo Spear Jr. in the presence of Joe Kwiatkowski.

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

- Working face in Phase 7 receiving daily loads and fluff layer
 - Fluff layer nearly complete to western edge of Phase 7
 - Some soil loads being received in Phase 2 & 3
 - Autofluff and foundry sands used for cover
- Leachate being discharged to MMSD
- Flare in operation during audit, no shut downs, ~2000cfm
 - Flare relocation planned with construction of gas building
- No storm events since last audit
 - Basins thawing, no snow on site
 - Closure Area III needs seeding
- No Odors noted
- Litter under control due to tipping below grade, 2 pickers active
- US45 northbound lanes, especially eastern lane has tracking, dust and debris
- Tipping scale camera and equipment operators inspecting waste ~1500tpd
 - Random Load inspection date was 3/1/12
- Construction on gas building to begin March 7, 2012. Flare will be relocated and 2nd smaller flare will be installed

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 1, 2012

TIME 2:11

Auditor on site at: Open Close

WEATHER Overcast, Dropping temps

BP
WIND 29.78

TEMP Maximum 40 °F Minimum 33 °F

Wind
D.P. S 10-20

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

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

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance
1	Dozer						

A. Working Face Size and Location:

Working face in Phase 7 receiving daily loads and fluff layer. Fluff layer nearly complete to western edge of Phase 7

Some soil loads being received in Phase 2/3



Cover Material:

Austuff and foundry sands being used for 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"/>	#	
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 relocation planned with construction of Gas Building. ~ 2,000 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 thawing, no snow onsite, Closure Area III needs seeding.

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"/>	# 2

Comments:

Litter under control due to tipping below grade

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 Northbound lanes, especially Eastern most lane has tracking, dust, & 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"/>	#	
Spotter:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	3/1/2012 3/1/2012					

Comments:

~ 1,500 TPD

J. Rejected Loads:

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

Comments:



L. Other Comments:

* Construction on Gas Building to Begin
March 7, 2012. Flare will be relocated
and second smaller flare installed.

Auditor's Signature:

Auditor's Printed Name:

Management Signature:

Management Printed Name:

Management Title:

JSA Principal Signature:

Date:

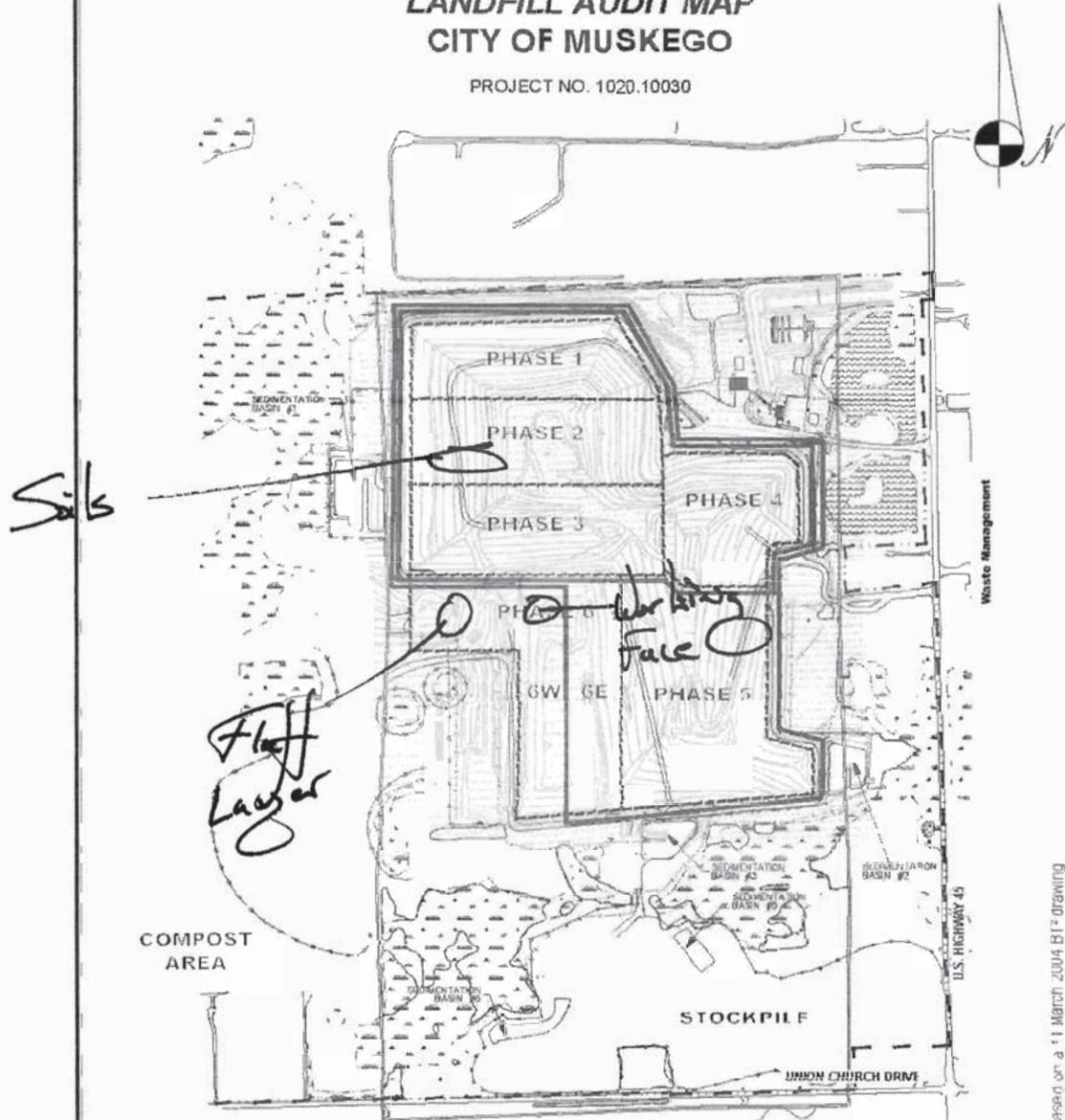
Date:

Date:



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

PROJECT NO. 1020.10030



revised on 11 March 2004 B12 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



Residential drop off relocated for placement of gas building



Future location of gas building

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Working face in Phase 7, against Phase 6&7



Working face



Working face



Dozer spreading end of fluff layer



Ample autofluff stockpiled



Stormwater basin adjacent to Phase 7



Limits of wast placement until cell construction is finished



Leachate ponding before sump

VEOLIA EMERALD PARK LANDFILL
 LANDFILL OPERATIONS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE March 1, 2012

TIME 2:11

Auditor on site at: Open Close

WEATHER Overcast, Dropping temps

BP
WIND 29.78

TEMP Maximum 40 °F Minimum 33 °F

Wind
D.P. S 10-20

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

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

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance
1	Dozer						

A. Working Face Size and Location:

Working face in Phase 7 receiving daily loads and fluff layer. Fluff layer nearly complete to western edge of Phase 7
Some soil loads being received in Phase 2/3



Cover Material:

Austuff and foundry sands being used 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 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 relocation planned with construction of Gas Building. ~ 2,000 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 thawing, no snow onsite, Closure Area III needs seeding.

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"/>	# 2

Comments:

Litter under control due to tipping below grade

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 Northbound lanes, especially Eastern most lane has tracking, dust, & 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"/>	#	
Spotter:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	3/1/2012 3/1/2012					

Comments:

~ 1,500 TPD

J. Rejected Loads:

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

Comments:



L. Other Comments:

* Construction on Gas Building to Begin
March 7, 2012. Flare will be relocated
and second smaller flare installed.

Auditor's Signature:

Auditor's Printed Name:

Management Signature:

Management Printed Name:

Management Title:

JSA Principal Signature:

Date:

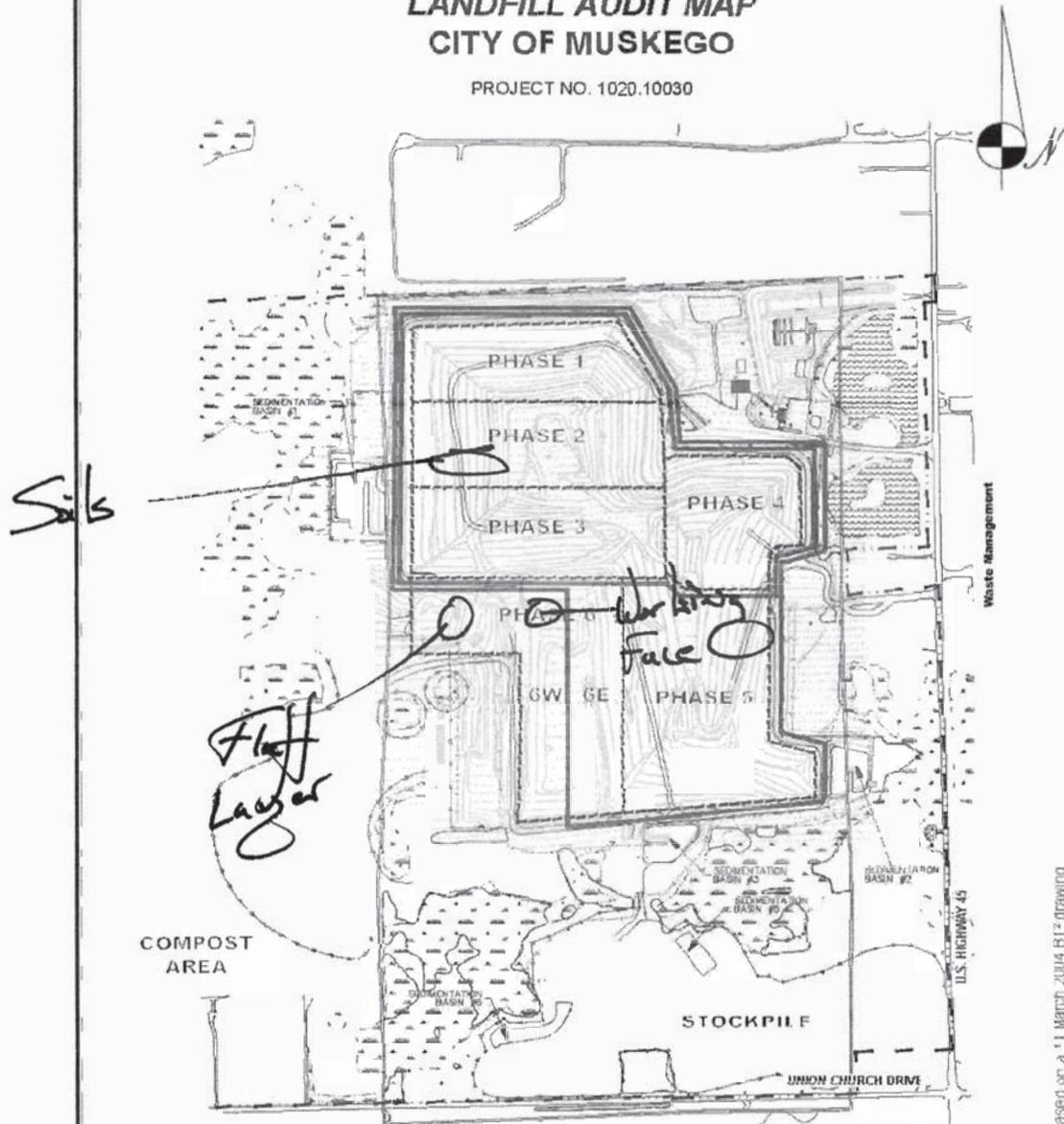
Date:

Date:



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

PROJECT NO. 1020.10030



revised on 11 March 2004 B12 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



Residential drop off relocated for placement of gas building



Future location of gas building

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Working face in Phase 7, against Phase 6&7



Working face



Working face



Dozer spreading end of fluff layer



Ample autofluff stockpiled



Stormwater basin adjacent to Phase 7



Limits of wast placement until cell construction is finished



Leachate ponding before sump



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 03/23/12
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of March 5, 2012. The audit was performed at 11:00 am on **March 7, 2012** by Jo Spear Jr. in the presence of Joe Kwiatkowski.

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

- All activity in Phase 7, fluff layer finished until slope is finished in spring
 - Access to other phases limited due to wet conditions
 - Phase 7 receiving liquid loads
 - Autofluff used for cover in Phase 7
- Leachate being discharged to MMSD
- Leachate pooled in phase 7, pumping down
- Flare in operation during audit, no shut downs, ~2000cfm
 - Spring weather and warm winter kept vegetation healthy
- Two storm events since last audit, ~1"
 - Two snow storms since last audit, all snow melted though basins still icy
- No offsite odors, minor odors above Phase 7
- High winds pushing litter out of Phase 7, 2 pickers active
- US45 showing tracking and dust on northbound lanes
- Tipping scale camera and equipment operators inspecting waste
 - Random Load inspection date was 3/1/12, same noted last week
- Gas building construction started today removing asphalt and soil for construction location
 - Three foundations require additional excavation
- Ponds about Phase 7 should be pumped down starting tomorrow
 - Freeboard may be an issue
 - Seeding to be done in May as weather permits

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 7, 2012

TIME

11:00

Auditor on site at:

Open

Close

WEATHER

Low Clouds, Possible rain

WIND

S-SW 10-35

TEMP Maximum

65

°F Minimum

34

B.P.

29.88

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:

All activity in Phase 7. Fluff layer finished for now until slope is finished in Spring. Access to other phases limited due to wet conditions

Phase 7 receiving liquid loads



Cover Material:

Autofluff being used in Phase 7

B. Leachate Management:

Discharge to MMSD. Leachate pooled in Phase 7 pumping down

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:

Spring weather and warm winter kept veg. healthy ~ 6,000

D. Surface Water Management:

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

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

Two snow storms since last audit, all snow melted though basins still icy

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

No offsite odors minor odors above Phase 7

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:

Highways pushing up litter out of Phase 7

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 showing tracking of dust on North bound lanes

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: 2/11/2012						

Comments:

J. Rejected Loads:

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

Comments:



L. Other Comments:

* Gas building construction started today removing Asphalt & soil for construction location, Foundations require additional excavation

* Ponds about Phase 7 should be pumped down starting tomorrow, freeboard may be an issue.

* Seeding to be done in May as weather permits.

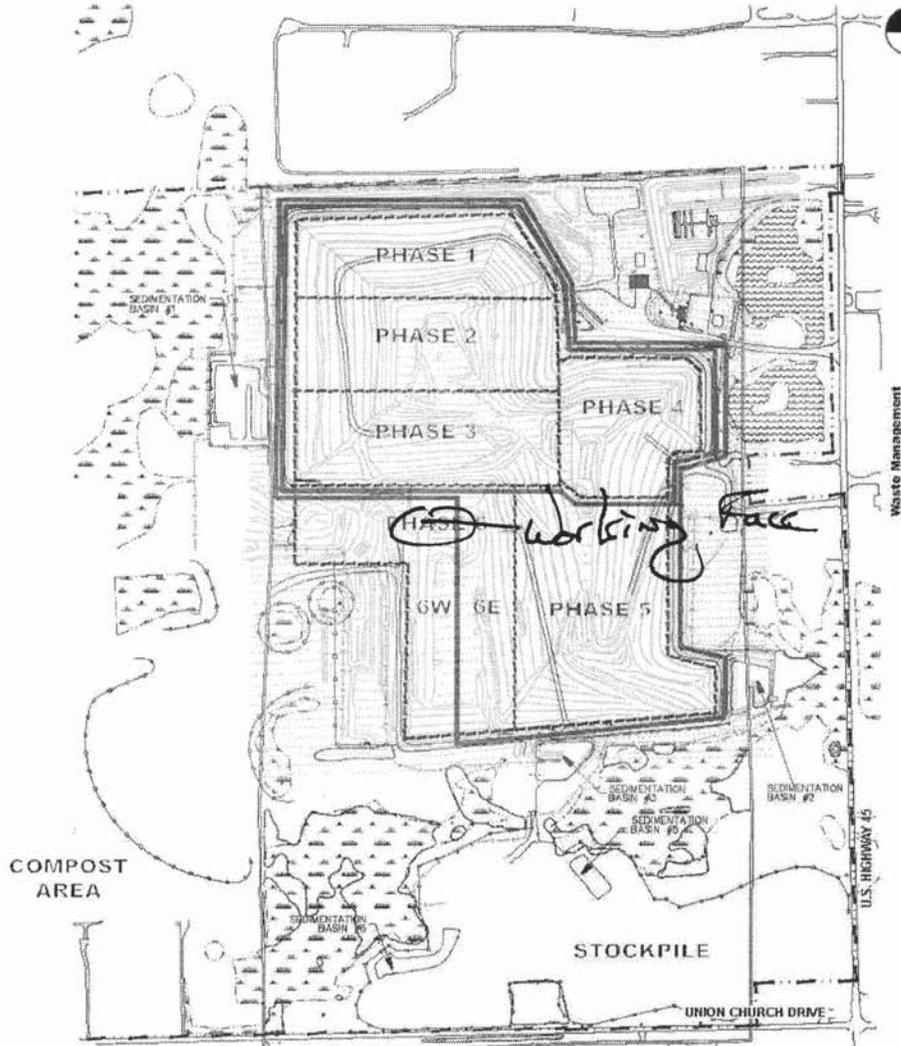
Auditor's Signature: [Signature]
Auditor's Printed Name: Joe W. Spear Jr
Management Signature: [Signature]
Management Printed Name: Joe Kwiatkowski
Management Title: Operations Manager
JSA Principal Signature: _____

Date: 3/7/2012
Date: 3/7/12
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

based on a 11 March 2004 BT* 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



Gas Building construction



Gas building construction

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Phase 7, note liquid levels in stormwater basins and in Cell



Phase 7 with waste placement moving up North slope



Liquid load tipped in Phase 7



Partial working face



Phase 7



Leachate being pumped, via sump, to MMSD



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 04/03/12
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of March 12, 2012. The audit was performed at 10:09 am on **March 13, 2012** by Jo Spear Jr. in the presence of Brett Coogan.

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

- Working face only in phase 7
 - compactor being used to spread waste while D8 is in for repair
 - Wet conditions preventing soil tipping in Phase 2 & 3
 - Autofluff used for cover
- Leachate being discharged to MMSD
- Flare in operation during audit, no shut downs
 - Area around flare greening
 - Construction of gas building not impacting operation
- One storm event since last audit, ~1"
 - Weekend rain storm
- No odors noted
- Liquid loads being received in new cell
- Litter from last week's high winds removed, 2 pickers active
- US45 and 8 Mile road clean
- Tipping scale camera and equipment operators inspecting waste
 - Random Load inspection date was 3/13/12, ~1100tpd
- Construction of gas building ongoing, foundation being framed and poured

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 13, 2012
Auditor on site at: Open Close

TIME 10:09

WEATHER Clear Sunny, Spring Day

WIND N 5-10

TEMP Maximum 64 °F Minimum 44 °F

B.P. 30.01

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

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

MAJOR EQUIPMENT BONEYARD

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

A. Working Face Size and Location:

Working face only in Phase 7.
Compactor being used to spread
waste while D8 Dozer is in
shop. Wet conditions preventing
soils from being tipped in 2/3



Cover Material:

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:	#			
Vegetation Condition:	Good <input type="checkbox"/>	<input checked="" type="checkbox"/> Fair	<input type="checkbox"/> Poor	<input type="checkbox"/> Dead

Comments:

Area around flare greening. Construction of gas building not impacting operation

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:

Weekend rain storm

E. Odor Control:

Odors Present:

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

Comments:

No odors offsite

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

Liquid leads being received in new cell



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"/>	# 2

Comments:

Litter from last weeks high winds removed

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 Area, Debris & Tracking from last Audit removed.

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:	3/13/2012			

Comments:

~1,100 TPD

J. Rejected Loads:

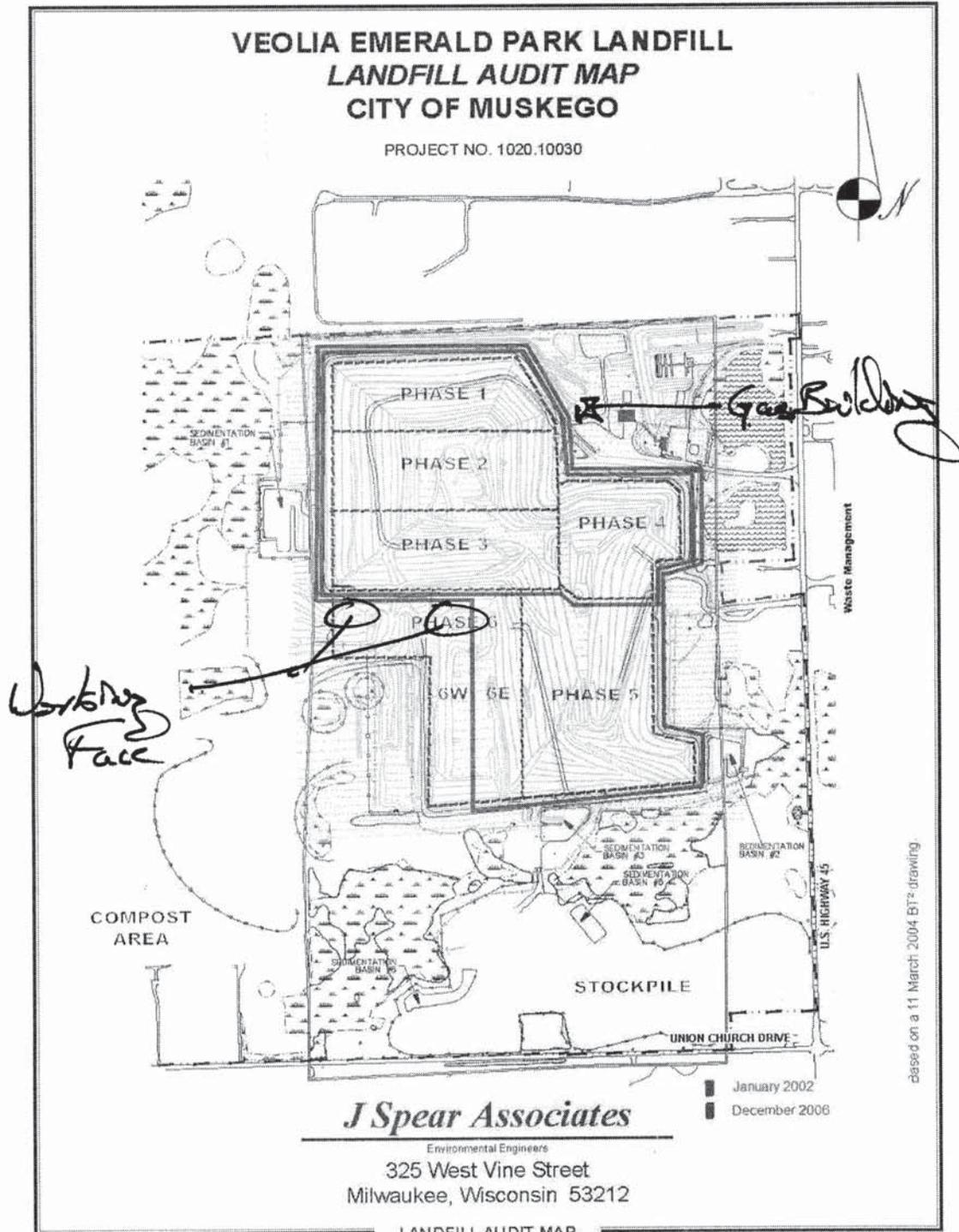
	Date/Time	Reason for Rejection
1.		None
2.		
3.		
4.		

Comments:



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

PROJECT NO. 1020.10030



based on a 11 March 2004 BYE 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 suffering from erosion after storms, stockpiled soils prepared for restoration



Rills in East slope of Phase 5

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Stormwater and leachate separated by berm



Phase 7



Compactor pushing waste



Phase 7



Not a suggested practice, compactor pushing was across drainage layer



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: 04/03/12
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of March 19, 2012. The audit was performed at 3:20 pm on **March 20, 2012** by Jo Spear Jr. in the presence of Joe Kwiatkowski.

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

- Working face for MSW in Phase 7; Working face for soils in Phase 2 & 3
 - Cover in good condition from yesterday's placement
 - Autofluff in ample supply
- Leachate being discharged to MMSD
- Flare in operation during audit, no shut downs
 - Vegetation not impacted by construction
- No storm event since last audit
 - Erosion on Closure Area III; rain expected on 3/21-25
- No odors noted
- No special waste handling noted
- Litter present on site only due to high winds, 2 pickers active
 - There will be 4 litter pickers tomorrow
- US45 and 8 Mile road clear, site roads dusty
- Tipping scale camera and equipment operators inspecting waste
 - Random Load inspection date was 3/16/12, ~1300tpd
- Basin and ditches receiving silt from erosion, ditch cleaning will not occur until after seeding
- **Leachate in Phase 7 ~ 3' deep at sump, Added to action items**
- Expansion will not be completed this year; Phase 7 to be completed when additional expansion goes through

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 20, 2012 TIME 3:20
 Auditor on site at: Open Close

WEATHER Sunny Clear, dry high winds WIND S 10-45

TEMP Maximum 76 °F Minimum 57 °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						
	Water Truck						
	Sweeper						

MAJOR EQUIPMENT BONEYARD

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

A. Working Face Size and Location:

Working face for MSW in Phase 7. Working face
for Cells in Phase II & III. Cover in
good condition from previous class
placement



Cover Material:

Auto Sluff - ample supply

B. Leachate Management:

Discharge to MMGD

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 checked="" type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Flare Veg unaffected by Construction

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:

Erosion about Closure A south. Rain expected 3/21 - 25

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"/>	# 2

Comments:

High winds, litter present onsite only
 litter pickers tomorrow will be 4

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 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:	3/16/2012			

Comments:

21,300 YPD

J. Rejected Loads:

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

Comments:



L. Other Comments:

* Basins & Ditches receiving silt from erosion, ditch cleaning will not occur until after seeding

* Leachate in Phase 7 = 3' deep at sump.
→ Added to Action Items

* Expansions will not be completed this year
Phase 7 to be completed when Additional Expansion goes through

Auditor's Signature: _____

Auditor's Printed Name: _____

Management Signature: _____

Management Printed Name: _____

Management Title: _____

JSA Principal Signature: _____

Date: 3/24/2012

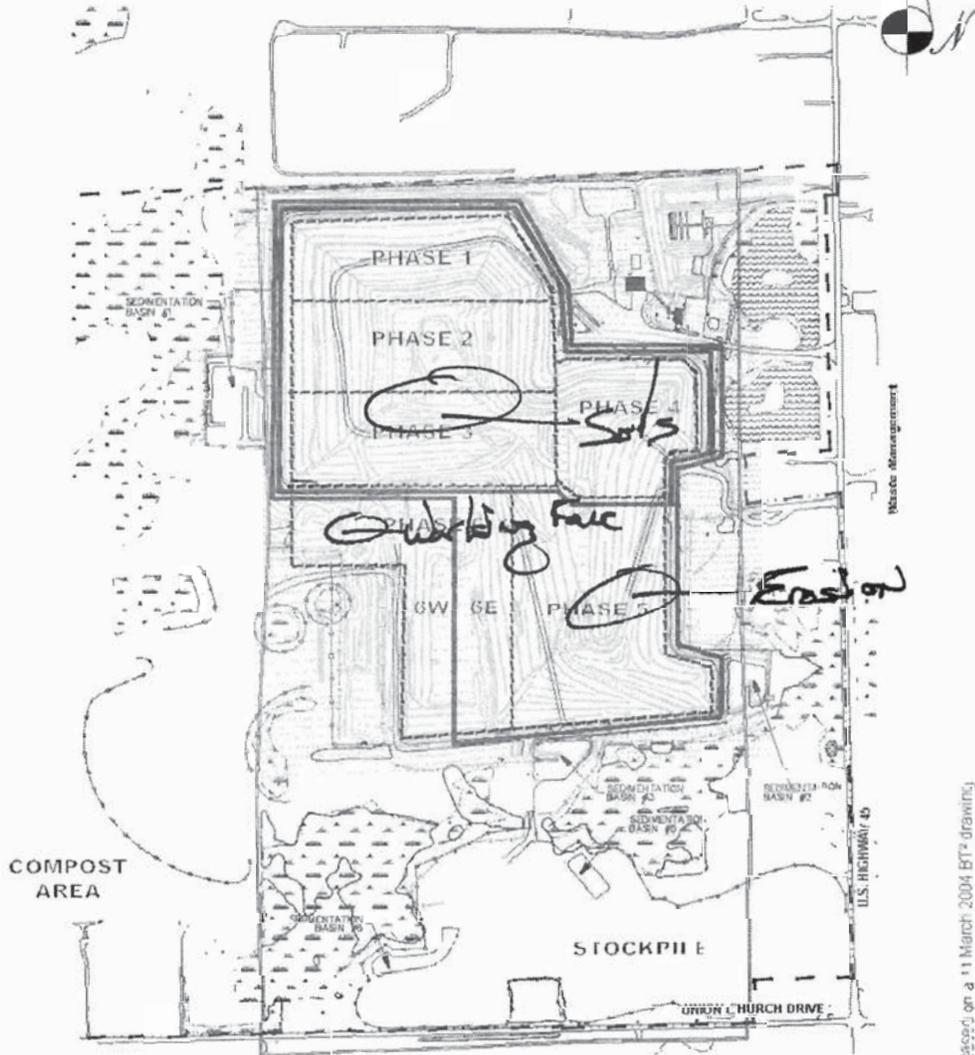
Date: 3/20/2012

Date: _____



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

PROJECT NO. 1020.10030



dated on a 11 March 2004 BT's drawing

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	
1	3/20/2012	More than 1' of leachate head upon the liner of Phase 7	503.10(d)	ASAP				



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

PROJECT NO. 1012.10030



Foundation of gas building



Foundation of gas building

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



East slope of closure area III, future location of downslope flume



South slopes



Active area



Southern most temp sed basin to be drained by pump



Temp sed basin being drained by pump



Leachate pool and surface water temp. basin



Active area in Phase 7



Waste soils in Phase 2



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 04/03/12
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of March 26, 2012. The audit was performed at 2:10 pm on **March 29, 2012** by Jo Spear Jr. in the presence of Joe Kwiatkowski.

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

- Working face for MSW being tipped in Phase 7 along slope & NE corner
 - Soils being tipped in Phase 2&3
 - Autofluff in ample supply
- Leachate being discharged to MMSD, Leachate visible on Phase 7
- Flare in operation during audit, no shut downs
 - Flare operation consistent
- One storm event since last audit, ~1"
 - Basins nearly empty, downslope flumes being installed in Closure Area III
- No odors noted
- No special waste handling noted
- Very little litter noted on site, 2 pickers active
- US45 and 8 Mile road clear, debris on shoulder of US 45
- Tipping scale camera and equipment operators inspecting waste
 - Random Load inspection date was 3/27/12, ~1300tpd
- Oaks installing sideslope downlope flumes for Closure Area III
- Mueller installing gas field infrastructure
- Gas building construction waiting steel and block for construction

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 29, 2012

TIME

2:10

Auditor on site at:

Open

Close

WEATHER

Clear, Sunny & Gusty

WIND

N. S-20

TEMP Maximum

41

°F Minimum

38

°F

B.P.

30.17

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 for MSW being tipped
 in Phase 2. Along slope of NE
 corner
 Soils being tipped in Phase 2 & 3



Cover Material

Auto Pluff in ample supply

B. Leachate Management:

Discharge to MMST
Leachate visible on Phase 7

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 consistent operation

D. Surface Water Management:

Storm Events Since Last	#	1	Est. Volume	11"
-------------------------	---	---	-------------	-----

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

Basins nearly empty, Down slope refumes
Being installed in future of reach

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:

Very little 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 1/2 Mile clear, Debris on shoulder of US 45

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#
Equipment Operator:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#
Spotter:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#
Random Load Inspection Dates:	3/29/2012		

Comments:

21,300 TPD

J. Rejected Loads:

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

Comments:

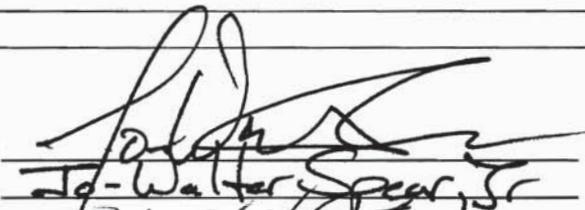


L. Other Comments:

* Dubs installing side slope and down slope flumes for closure Area III

* Mueller installing gas field infrastructure

* Gas building construction awaiting steel & blocks for construction

Auditor's Signature: 

Auditor's Printed Name: Jo-Walter Spear, Jr

Management Signature: 

Management Printed Name: Joseph J. Kwiatkowski

Management Title: Operations Manager

JSA Principal Signature: _____

Date: 3/27/2012

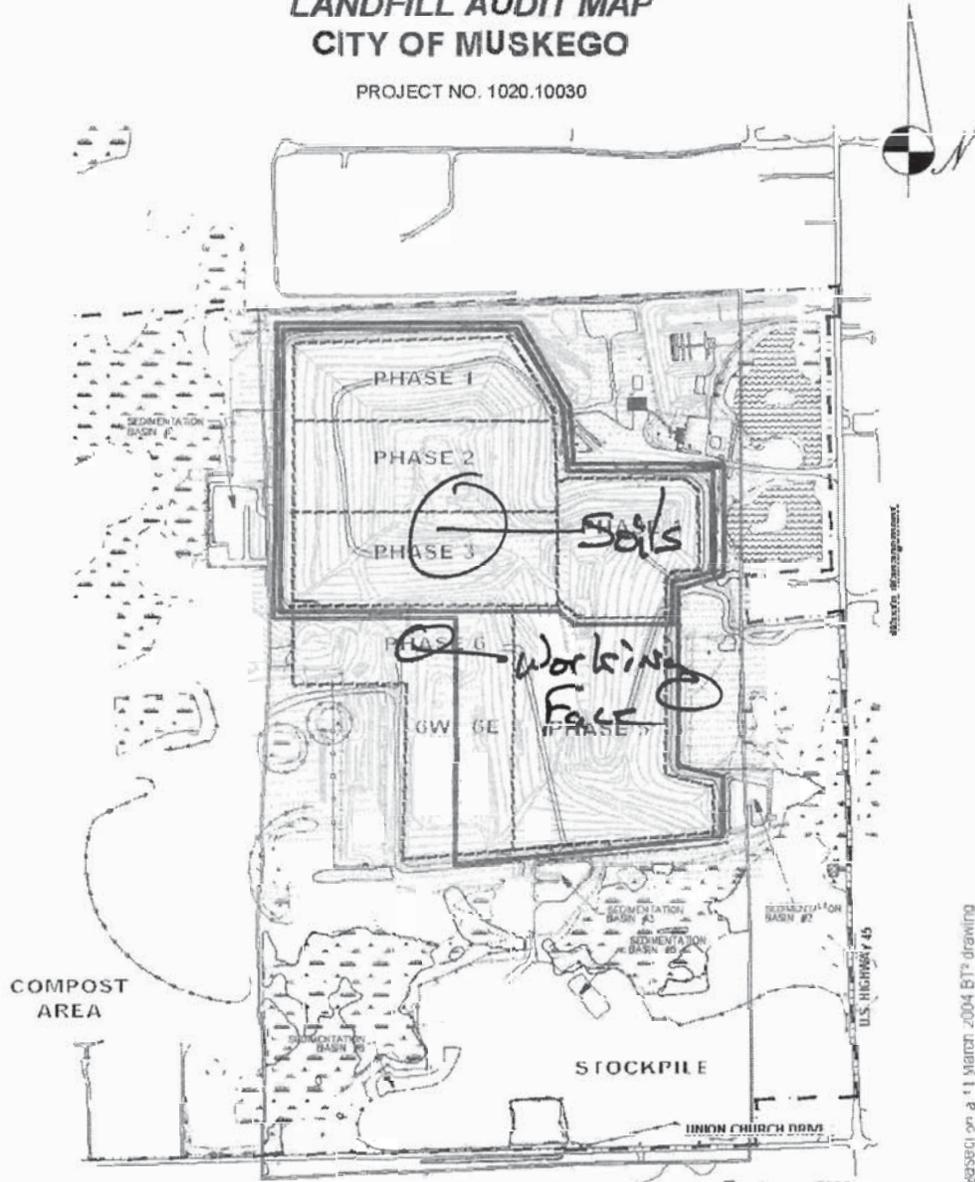
Date: 3/29/2012

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

82585C1.ppt 3/11 March 2004 BT's 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	
1	3/20/2012	More than 1' of leachate head upon the liner of Phase 7	503.10(d)	ASAP				



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

PROJECT NO. 1012.10030



Downslope flume installation



Downslope flume installation

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



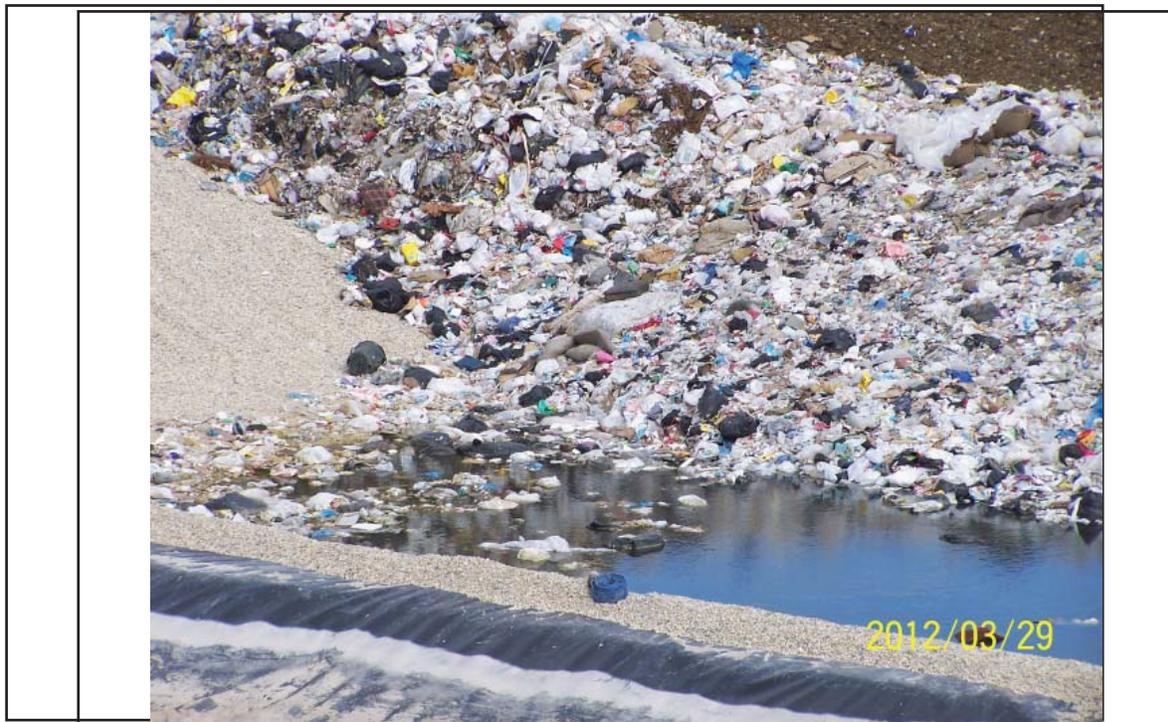
Active area



Working face



Active area



Pooled leachate



South end of active area, temp basin drained completely, leachate still visible in Phase 7



**Advanced
Disposal**

April



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 04/22/12
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of April 2, 2012. The audit was performed at 2:50 pm on **April 5, 2012** by Jo Spear Jr. in the presence of Dean Driggett.

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

- Working face for soils in Phase 2&3, MSW face in Phase 7 roughly at middle
 - Autofluff and site soils for cover
- Leachate being discharged to MMSD, Leachate ponded in Phase 7
- Flare in operation during audit, two shut downs
 - 2.5 hour shut down on 4/3/12 and 4/5 for header connections
- No storm event since last audit
 - Site conditions dry, vegetation on North slope of Phase 4
- Minor gas odor on south haul road
- No special waste handling noted
- Couple pieces of litter visible during audit onsite, 2 pickers active
- US45 and 8 Mile road clear, construction gate open contractor present
- Tipping scale camera and equipment operators inspecting waste
 - Random Load inspection date was 4/5/12, ~1500tpd
- Mueller Excavation installing laterals and other gas lines; shut downs will occur until completed next week
- Oaks grading topsoil on closure Area III
- Downslope flumes and ditch cleaning completed

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 5, 2012
Auditor on site at: Open Close

TIME 2:50

WEATHER Clear Sunny, High Winds.

WIND E-NE 10-18

TEMP Maximum 47 °F Minimum 33 °F

B.P. 30.13

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

A. Working Face Size and Location:

Working face for soils in Phase 2 & 3.
MSW Working face in Phase 7, roughly
at the middle.



Cover Material:

Site Soils & Autoglyf

B. Leachate Management:

Discharge to MMSD
Leachate Paved in Phase 7

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 checked="" type="checkbox"/>	#	NA
Engines in Operation:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	NA
Shutdowns Since Last Audit:	# 2			
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Shutdown for 2.5 hours on 4/8 & Today for header connections

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:

Site conditions dry
Volunteer Vegetation on North Slope of Phase 7

E. Odor Control:

Odors Present: Onsite Offsite

Comments: Minor gas odor on South haul road

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:

Couple pieces of 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 Clean
Construction Gate Open, Contractor present

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:		4/5/2012				

Comments:

2/1/2012

J. Rejected Loads:

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

Comments:



L. Other Comments:

* Mueller Excavating installing laterals and other gas lines. Shutdowns will occur until completed next week

* Oaks grading topsoil on Closure Area. Down slope flumes and ditch cleaning completed

Auditor's Signature:

Auditor's Printed Name:

Management Signature:

Management Printed Name:

Management Title:

JSA Principal Signature:

[Handwritten signatures and printed names: Joseph J. Spear Jr., Dean Driggett, ENVIRONMENTAL MGR]

Date: 4/5/12

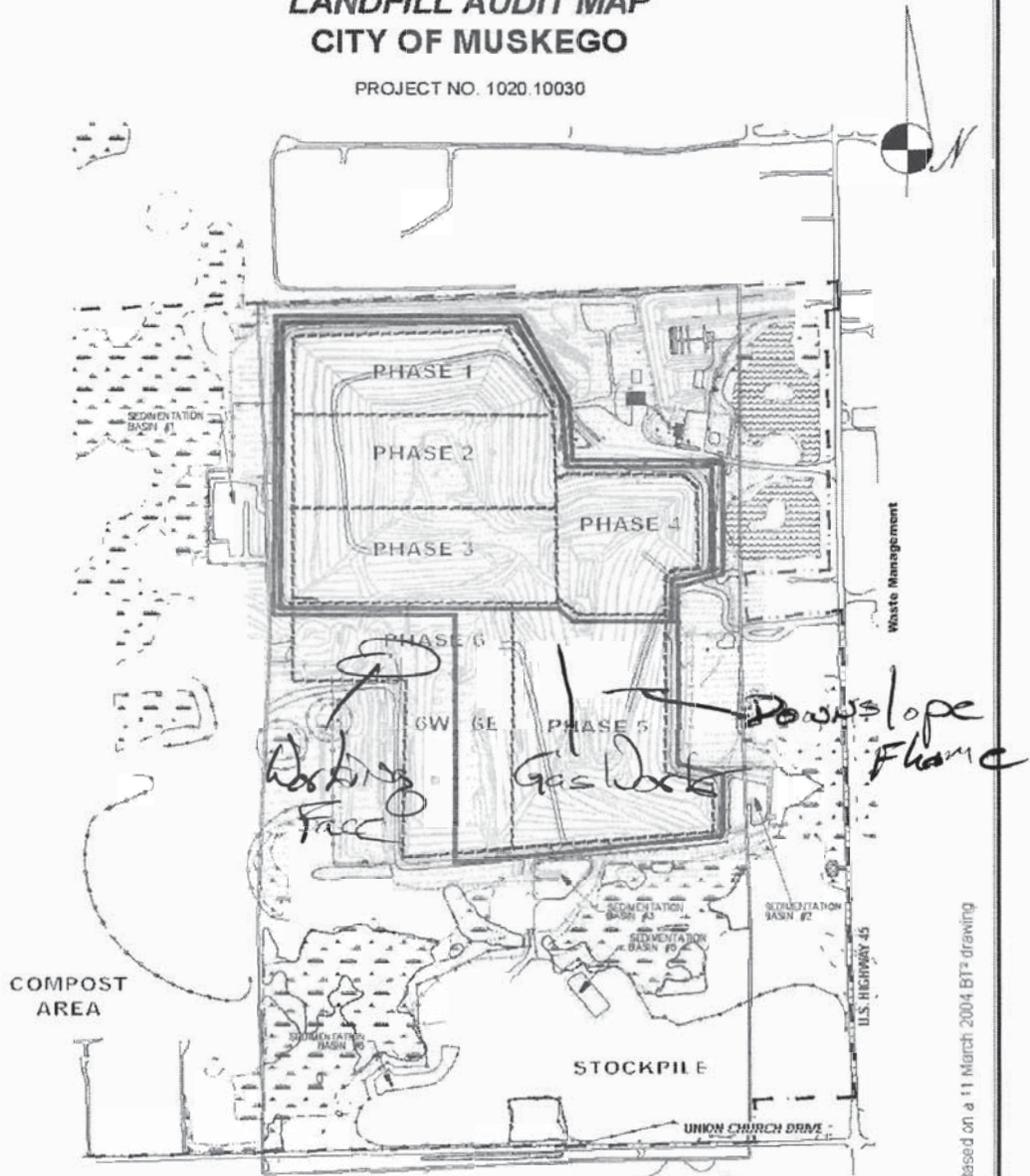
Date: 4/5/12

Date: _____



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

PROJECT NO. 1020.10030



based on a 11 March 2004 BTW drawing

J Spear Associates

Environmental Engineers
325 West Vine Street
Milwaukee, Wisconsin 53212

January 2002
December 2006

LANDFILL AUDIT MAP



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

PROJECT NO. 1012.10030



West slope of phase 5



Slope junction of Phase 5 & 6

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



East slope discharge and energy diverter



South slope discharge



Working face



Active Area



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 04/22/12
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of April 9, 2012. The audit was performed at 2:10 pm on **April 13, 2012** by Jo Spear Jr. in the presence of Joe Kwiatkowski.

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

- Soil loads up to Phase 2&3
 - Working face in Phase 7 for all other wastes at west/north corner of phase
 - Compost 2nds to be used for outboard slope of Phase 7
 - Autofluff for cover
- Leachate being discharged to MMSD, Leachate removed from Phase 7 via sump A
- Flare in operation during audit, three shut downs
 - 13.5 hour shut downs while headers were extended
- No storm event since last audit
 - Potential storm event coming
 - Closure Area III regarded and some volunteer vegetation growing
- Onsite gas odor at new wells
- No special waste handling noted
- Litter controlled by pickers and fences, 2 pickers active
- US45 has brick debris in southbound lane, 8 Mile Rd clean
- Tipping scale camera and equipment operators inspecting waste
 - Random Load inspection date was 4/12/12, ~1600tpd
- Closure Area III final prep for seeding ongoing, seeding to be completed next week
- 6 new gas wells being drilled and connected, work done by Terra and Mueller

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 13, 2012 TIME 2:10
 Auditor on site at: Open Close

WEATHER Overcast, rain eminent WIND S-SE-10-15

TEMP Maximum 56 °F Minimum 47 °F B.P. 30.19

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

A. Working Face Size and Location:

Soil loads up to Phase 2 1/3.
Working face in Phase 7 for all
other wastes. Working face at
West/North Corner of Phase

Compost Secunds to be used for outboard
slope of Phase 7



Cover Material:

Austofluff

B. Leachate Management:

Leachate removed from Phase 7, B Sump A'

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:	# 3			
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Shutdowns for 13.5 hours while headers are extended

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:

Potential event coming, PB Closure Area III regraded & some volunteer veg growing

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

Onsite gas odor at new wells

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 by pickers & 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.

US 45 has Brick debris in South bound lane - 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: 4/12/2012				

Comments:

~ 4,600 TPD

J. Rejected Loads:

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

Comments:

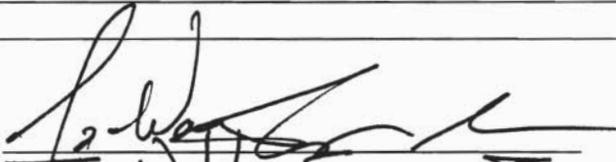


L. Other Comments:

* ~~Closure Area~~ final prep for seeding
on going seeding to be completed next week

* Six new gas wells being drilled &
connected work done by Terra & Miller

Auditor's Signature:



Date: 4/13/2012

Auditor's Printed Name:

Joe-Walter Speary, Jr

Management Signature:



Date: 4/13/2012

Management Printed Name:

Joseph S. Kuziatkowski

Management Title:

Operations Manager

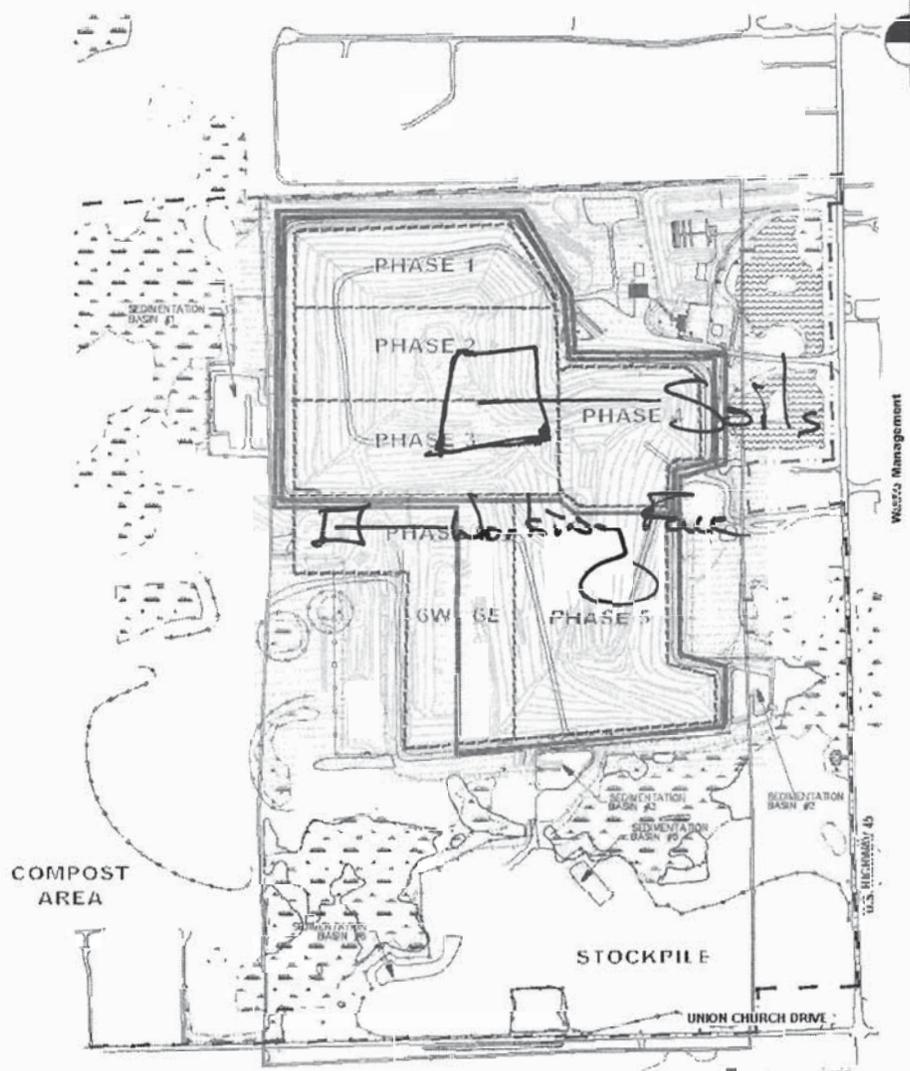
JSA Principal Signature:

Date:



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

PROJECT NO. 1020.10030



CLASSIFIED BY 11 March 2004 BTZ draw/rd

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: 3/20/2012		Updated: 4/16/2012					
Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes
1	3/20/2012	More than 1' of leachate head upon the liner of Phase 7	503.10(d)	ASAP	4/13/2012	24	Leachate ponding in new Cell, drained by pumping

VEOLIA EMERALD PARK LANDFILL AUDIT PHOTOS CITY OF MUSKEGO

PROJECT NO. 1012.10030



Gas building construction on going



Active area viewed from the West

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Working face in Phase 7



Southern edge of Phase 7, no apparent leachate



New gas extraction well awaiting header



Soils in Phase 3



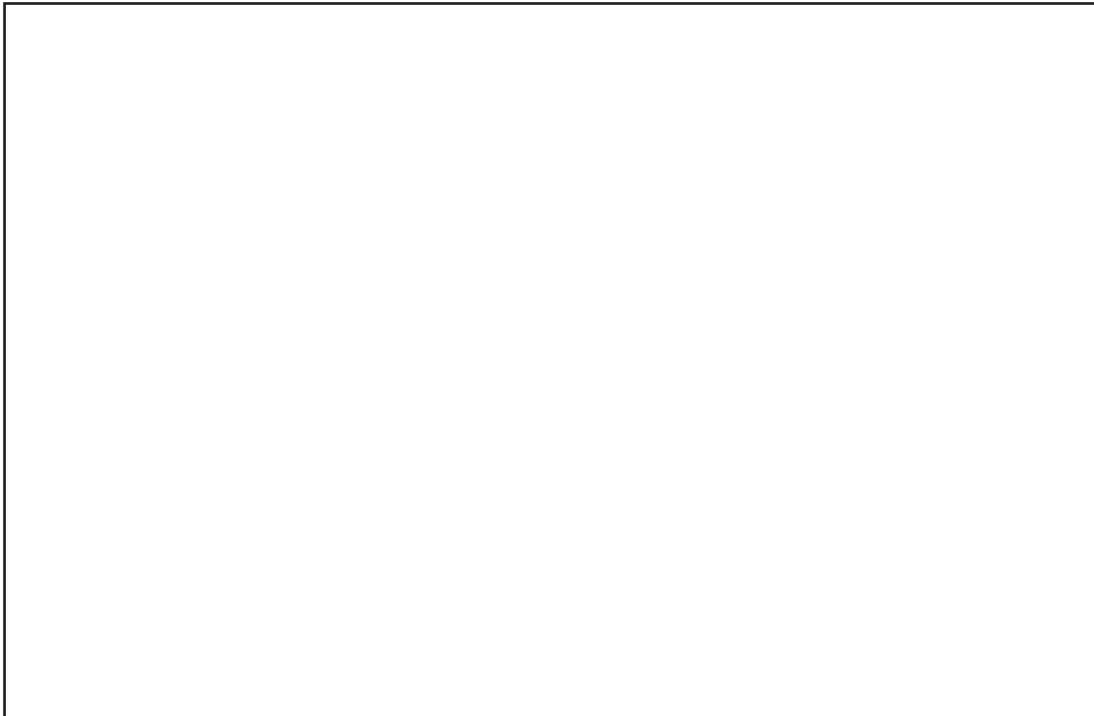
Preparing to drill more gas extraction wells



Working face



Active area





MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 05/04/12
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of April 23, 2012. The audit was performed at 6:45/7:24 am on **April 27, 2012** by Jo Spear Jr. in the presence of Joe Kwiatkowski.

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

- Working face in middle of Phase 7
 - Cover on active area outboard slope is 2nds from compost
 - Soils loads tipped in Phase 2&3, volume increased over last 2 weeks
 - 2nd lift started in Phase 7
 - Autofluff and compost 2nds for cover
- Leachate being discharged to MMSD
- Flare in operation during audit, no shut downs
 - New wells drilled and being connected today
- Two storm event since last audit, ~1"
 - Basins and ditches have some silt; ditch cleaning in conjunction with seeding
- Minor odor above active area
- No special waste handling noted
- One picker operating residential drop off and very little litter on site
 - 2 pickers active
- US45 and 8 Mile Rd clean, site roads clean
- Tipping scale camera and equipment operators inspecting waste
 - Random Load inspection date was 4/27/12, ~2000tpd
- DNR inspection on 4/24/12 went very well
- Gas building construction ongoing, trenching for utilities to gas building s to be completed today

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



MEMORANDUM

- New site maintenance employee Scott Croft
- Phase 5 / Closure Area III awaiting 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 April 27, 2011

TIME (6:45) 7:24

Auditor on site at: Open Close

WEATHER Clear Sunny Bristle

WIND Nil

TEMP Maximum 46 °F Minimum 33 °F

B.P. 30.0

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

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

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance
1	Haul Truck	flashed					

A. Working Face Size and Location:

Working face in middle of Phase 7.
Over ~~an~~ Active Area outboard slopes
is seconds from Compost
Soils loads being tipped in Phase 2/3
volume increased last two weeks
Second lift started in Phase 7



Cover Material:

King of Luff & Compost Secounds

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 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:

New Wells drilled, being connected today

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:

Basins and ditches have some silt
ditch cleaning in conjunction with seeding

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

Minor odor above Active Area

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:

1 Picker operating Resi. drop off
Very little litter waste

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 & 3 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"/>	#	
Spotter:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	
Random Load Inspection Dates:		4/27/2012		

Comments:

~2,000 TPD - Soil loads increased

J. Rejected Loads:

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

Comments:



L. Other Comments:

* DNR Inspection on 4/24/2012, went very well.

* Gas Building Construction Ongoing
Trenching for Utilities to Gas building
to be completed today.

* New Site Maintenance Employee Scott Craft

* Phase 5 / Closure Area III Awaiting Sealing

Auditor's Signature: _____

Auditor's Printed Name: _____

Management Signature: _____

Management Printed Name: _____

Management Title: _____

JSA Principal Signature: _____

Date: 4/27/2012

Date: 4/27/2012

Date: _____



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

PROJECT NO. 1020.10030



revised 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: 3/20/2012		Updated: 4/16/2012					
Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes
1	3/20/2012	More than 1' of leachate head upon the liner of Phase 7	503.10(d)	ASAP	4/13/2012	24	Leachate ponding in new Cell, drained by pumping



VEOLIA EMERALD PARK LANDFILL AUDIT PHOTOS CITY OF MUSKEGO

PROJECT NO. 1012.10030



Gas building construction on going



Resi-drop off

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



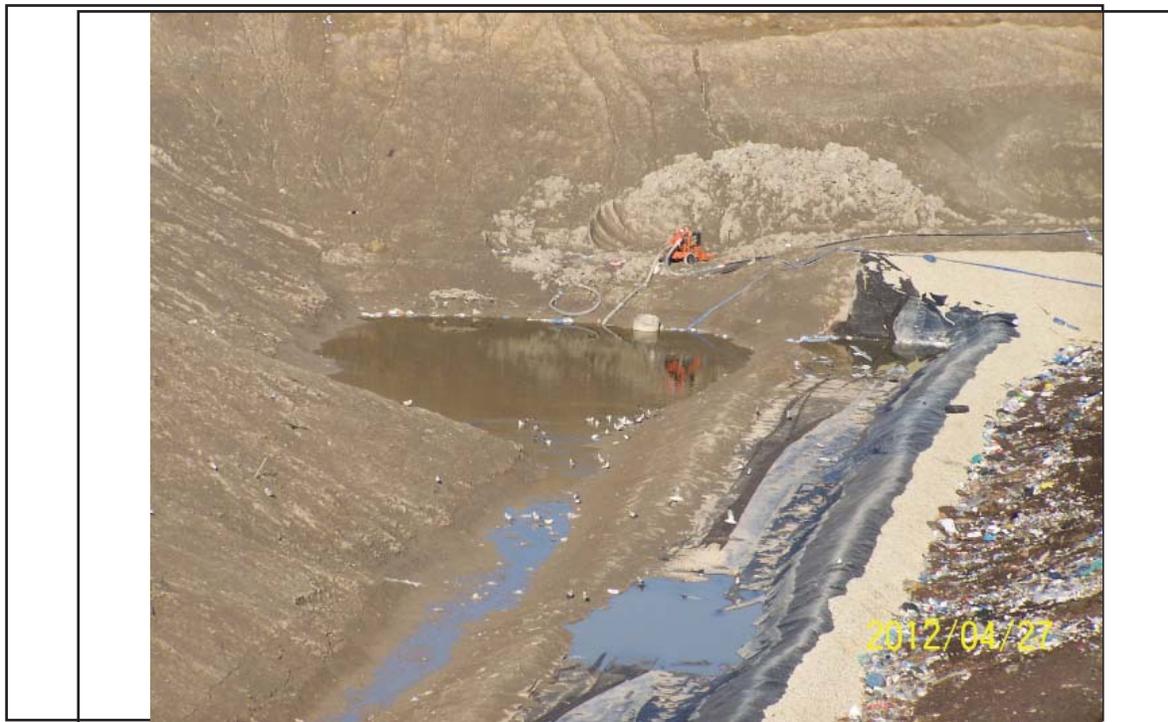
Working face



Northern portion of active area, being used to receive trucks



Working face receiving some cover



Temp sed basin



Active area



Active area



**Advanced
Disposal**

May



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

To: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 05/22/12
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of April 30, 2012. The audit was performed at 4:00 pm on **May 3, 2012** by Jo Spear Jr. in the presence of Joe Kwiatkowski.

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

- Audit conducted after last truck left working face
 - Working face in middle of active area at 100' x 100'
 - Cover being placed by dozer
 - Autofluff, compost and Milorganite used as cover
- Leachate being discharged to MMSD
- Flare in operation during audit, shut downs occurred
 - Shut downs for extensions, positive pressure on new wells only
- Two storm event since last audit, <1"
 - Basins have plenty of freeboard, ditches awaiting cleaning
- Milorganite odors
- No special waste handling noted
 - Site litter controlled, 2 pickers active
- US45 and 8 Mile Rd clean, site roads clean
- Tipping scale camera and equipment operators inspecting waste
 - Random Load inspection date was not noted, ~2300tpd
- Bio pile prepped for treatment, blower to be started next week
- Milorganite found in compost area being used for cover and bio pile. Strong odors

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 3rd 2012 TIME 4:00
 Auditor on site at: Open Close

WEATHER Clear Sunny Storms later WIND N 0-10

TEMP Maximum 81 °F Minimum 57 °F B.P. 29.86

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

A. Working Face Size and Location:

Audit conducted after last truck left
working face. Working face in middle
of active area ~ 100' x 100'. Cover being
replaced by dozer.



Cover Material:

Autofill, Compost & Malarganite
being used as 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:	# Shutdown for extensions			
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Pos Pressure on new wells only

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, ditches
awaiting cleaning

E. Odor Control:

Odors Present:

Onsite

Offsite

Comments:

Malarganite 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:

Site 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 43 1/2 S 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"/>	#	2
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	

Random Load Inspection Dates:

Comments:

~ 2,500 tons Mostly Solids

J. Rejected Loads:

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

Comments:



L. Other Comments:

* Bio pile prepped for treatment
Blower to be started next week.
* Mitorqueite found in compost area
being used for cover of Bio Pile
Strong Odors

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

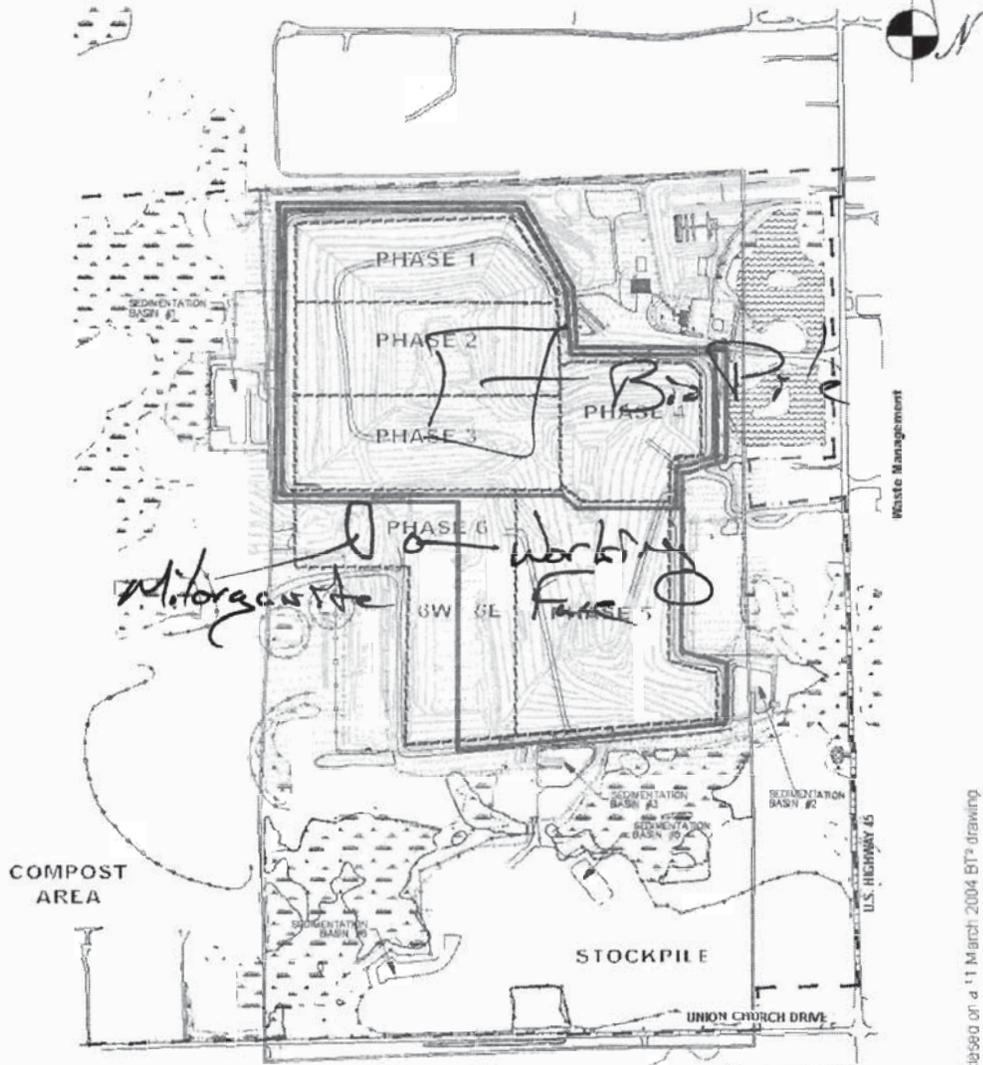
Joseph J. Spear, Jr.
Joe Spear
Joe Spear
Karl Kwiatkowski
OPERATIONS MANAGER

Date: *5/3/2012*
Date: *5/3/2012*
Date: _____



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

PROJECT NO. 1020.10030



d:\560 on d 11 March 2004 BT'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: 3/20/2012		Updated: 4/16/2012					
Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes
1	3/20/2012	More than 1' of leachate head upon the liner of Phase 7	503.10(d)	ASAP	4/13/2012	24	Leachate ponding in new Cell, drained by pumping



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

PROJECT NO. 1012.10030



Gas building construction on going



Exterior walls being placed.

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Bio pile being prepared for treatment



Active area access



Working face receiving some cover



Cover placement



Working face being covered



Malorganite stockpile



Autofluff stockpile



Autofluff cover



Minor seep on inboard, West slope of Phase 6



Bio soil pile being prepared for treatment



Active area, cover being placed on working face



Working face and temp sed basin



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

To: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 05/22/12
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of May 7, 2012. The audit was performed at 2:33 pm on **May 9, 2012** 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 northwest corner of Phase 7, receiving MSW
 - Working face is slightly larger than ½ acre
 - Soils being tipped in Phase 3
 - Autofluff, and compost used as cover
- Leachate being discharged to MMSD
- Flare in operation during audit, no shut downs
 - Flare operations now including new wells, ~2200cfm
- One storm event since last audit, <1”
 - Site relatively dry
- Milorganite odor above Phase 7
- No special waste handling noted
- Site litter under good control, 2 pickers active
- US45 and 8 Mile Rd clean
- Tipping scale camera and equipment operators inspecting waste
 - Random Load inspection date 5/9/12, ~1800tpd
- Future parkland gates open for deliver and storage of scale
- Gas building construction ongoing
- Seeding after rain abates

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 9, 2012
 Auditor on site at: Open Close

TIME 2:33

WEATHER Overcast, Cloudy rain in AM

WIND N-NW 5-15

TEMP Maximum 57 °F Minimum 41 °F

B.P. 29.93

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

A. Working Face Size and Location:

Working face in Northwest corner of Phase 7
receiving MSW. Working face is slightly
greater than 1/2 Acre.

Soils being tipped in Phase 3



Cover Material:

Autofluff & Compost used 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"/>	#	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:

Flare operation now including new wells
~ 2,200 gpm

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:

Site relatively dry

E. Odor Control:

Odors Present: Onsite Offsite

Comments: H2S odor above Phase 7

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:

Litter under good 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 Mile road clean

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	
Equipment Operator:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	
Spotter:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	
Random Load Inspection Dates:	<i>5/9/2012</i>			

Comments:

~1,800 TPD

J. Rejected Loads:

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

Comments:

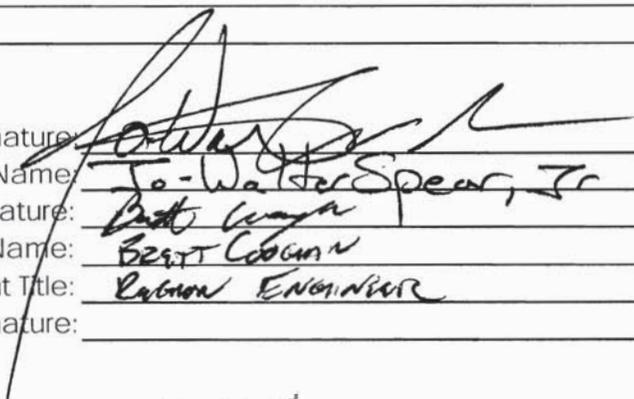


L. Other Comments:

* Future Parkland Gates Open for delivery & storage of Scale.

* Gas Building Construction

* Seeding after rain abates

Auditor's Signature: 

Auditor's Printed Name: Jo-Walter Spear, Jr

Management Signature: Besti Coonan

Management Printed Name: Besti Coonan

Management Title: Labour Engineer

JSA Principal Signature: _____

Date: 5/9/2010

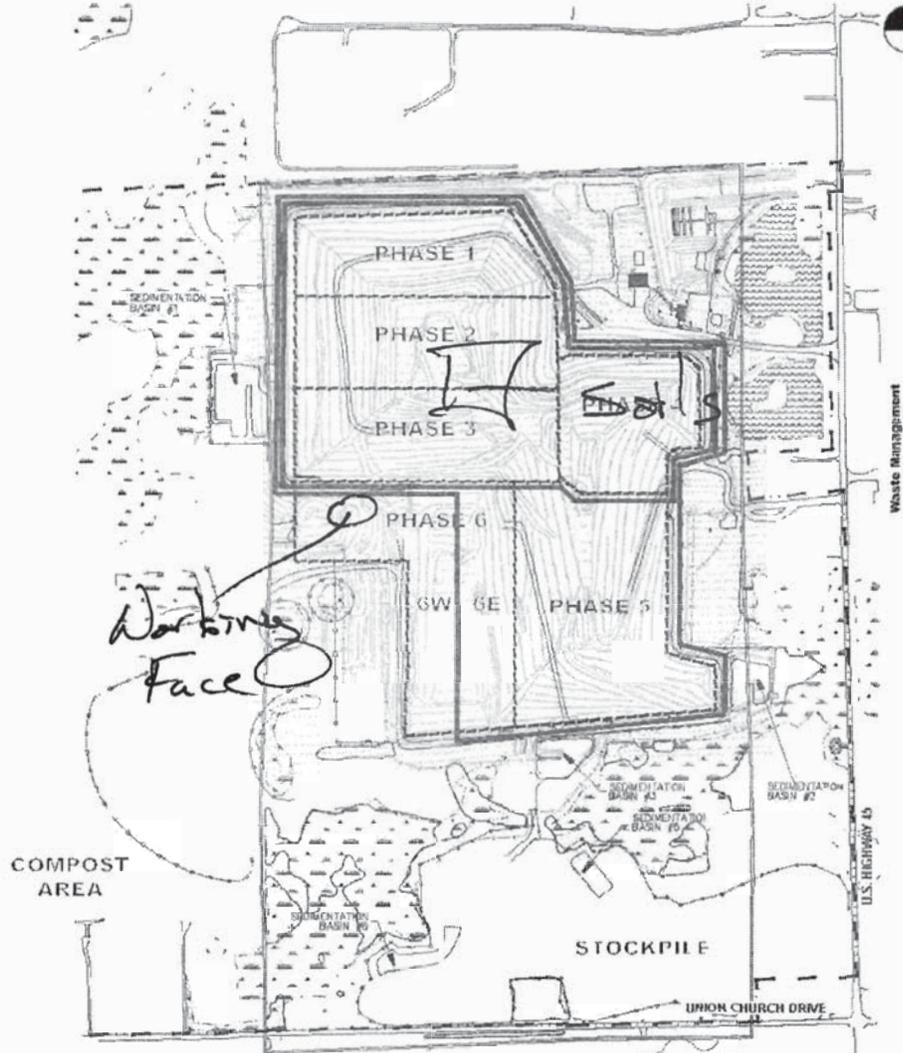
Date: 5/9/2010

Date: _____



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

PROJECT NO. 1020.10030



closed on a 11 March 2004 B1 - drawing

COMPOST AREA

STOCKPILE

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: 3/20/2012		Updated: 4/16/2012					
Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes
1	3/20/2012	More than 1' of leachate head upon the liner of Phase 7	503.10(d)	ASAP	4/13/2012	24	Leachate ponding in new Cell, drained by pumping



VEOLIA EMERALD PARK LANDFILL AUDIT PHOTOS CITY OF MUSKEGO

PROJECT NO. 1012.10030



Gas building construction on going



Flare and Phase 3

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Bio pile being prepared for treatment



Bio-soil pile



Working face and milorganite stockpile



Future Phase 8



Active area access.



Working face in Northwest corner



Active area



Autofluff cover



Temp sed basin



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

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

FROM: Anna Krajcik

COPIES: File

DATE: 05/22/12

PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of May 14, 2012. The audit was performed at 11:00 am on **May 16, 2012** by Jo Spear Jr. in the presence of Joe Kwiatkowski.

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

- Working face in northwest corner of Phase 7
 - Progression of a new lift and preparation to place waste at west toe of slope
 - Maximum extent for west placement
 - Autofluff and foundry sands used as cover
- Leachate being discharged to MMSD when present, No recirculation
- Flare in operation during audit, no shut downs
 - New wells under active vacuum, ~2150cfm
- One storm event since last audit, <1”
 - Basins need cleaning, Oaks to address roadside ditches
- Minor Milorganite odor
- No special waste handling noted
- Minor litter onsite, 1 pickers active
- US45 and 8 Mile Rd clean, site roads clean
- Tipping scale camera and equipment operators inspecting waste
 - Random Load inspection date 5/10/12, ~1600tpd
- Oaks onsite regarding and reseeding Closure Area III
- ESC trenching and installing pipe for Biosoil treatment
- New biopile located for expected large soil jobs; no backhaul currently
- Clay extraction in Phase 8 for placement in Phase 7
- Pipe line prep and construction ongoing on future parkland property

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 16, 2012
 Auditor on site at: Open Close

TIME 11:00

WEATHER Clear Sunny

WIND SE 0-10

TEMP Maximum 64 °F Minimum 42 °F

B.P. 30.14

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						
<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 is Northwest corner of Phase 4. Progression of a new lift and preparation to place waste at West toe of slope. Maximum extent for West placement



Cover Material:

Autocluff & Foundry sand used as cover

B. Leachate Management:

No Recirc. Volumes to MMSP when leachate present

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:

New wells under active vacuum
~ 2,160 cfm

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:

Basins need cleaning, Dikes to address roadside ditches

E. Odor Control:

Odors Present:

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

Comments:

Minor Mibargenite odor

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 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 1/2 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"/>	#	2
Spotter:	YES <input type="checkbox"/>	NO <input type="checkbox"/>	#	
Random Load Inspection Dates:			5/10/2012	

Comments:

2/1600

J. Rejected Loads:

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

Comments:



L. Other Comments:

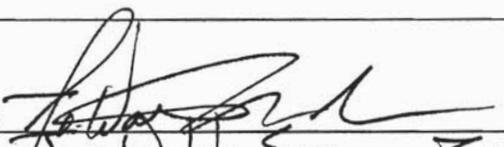
* Oaks on site regarding $\frac{1}{2}$ seeding closure
Area ~~III~~

* Exc trenching & installing Pipe for Bio
Soil treatment

* New Bio Pile located for expected
large soil jobs. No back haul currently

* Clay extraction in Phase 3 for placement
in Phase 7

* Pipeline prep & construction ongoing
on future Parkland property

Auditor's Signature: 

Auditor's Printed Name: Walter Spear, Sr

Management Signature: 

Management Printed Name: Joe J. Kwiatkowski

Management Title: Operations Manager

JSA Principal Signature: _____

Date: 5/16/2012

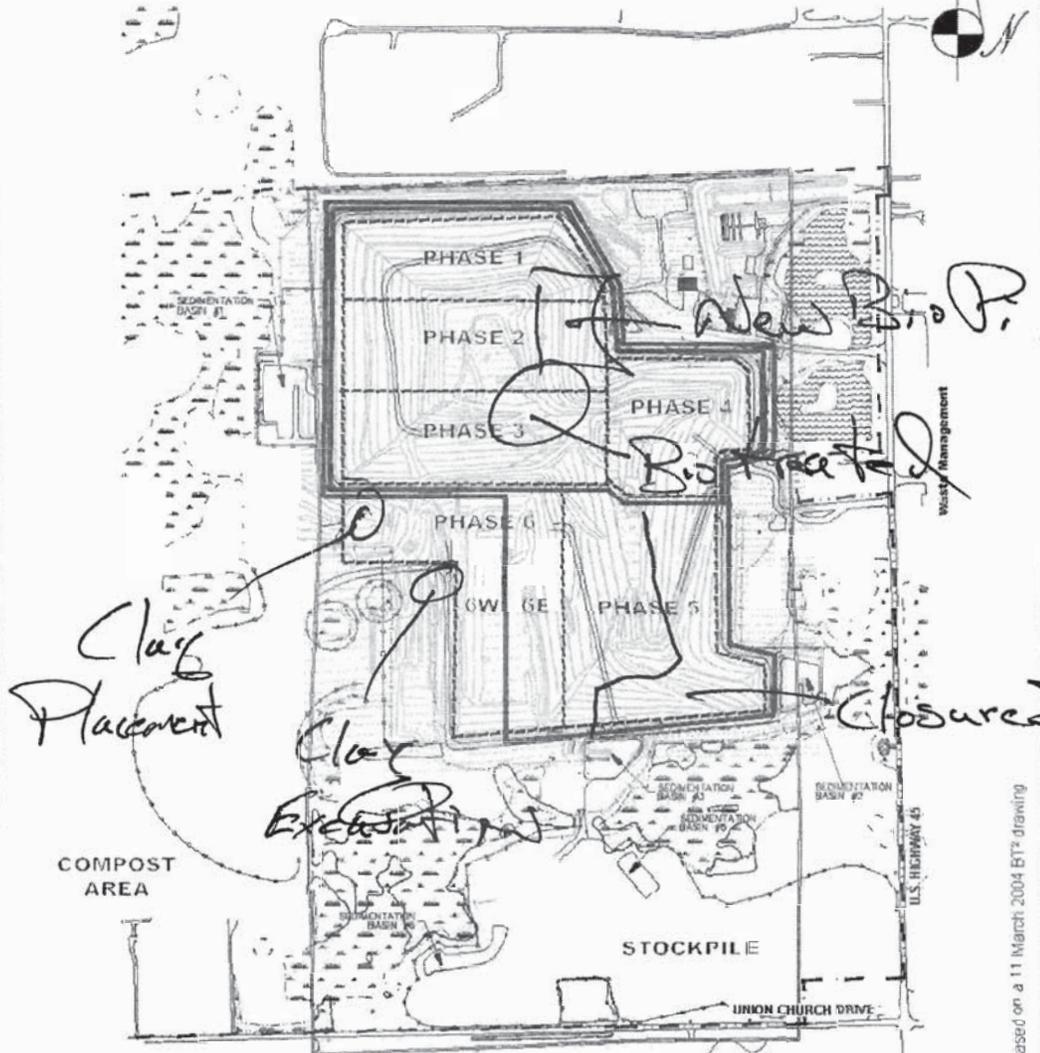
Date: 5/16/2012

Date: _____



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

PROJECT NO. 1020.10030



based on a 11 March 2004 BTX drawing

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: 3/20/2012		Updated: 4/16/2012					
Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes
1	3/20/2012	More than 1' of leachate head upon the liner of Phase 7	503.10(d)	ASAP	4/13/2012	24	Leachate ponding in new Cell, drained by pumping



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

PROJECT NO. 1012.10030



Gas building construction on going



Bio-pile being prepared for treatment phase

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Closure area III



Closure area III



Oaks preparing Closure Area III for seeding



Working face



Working face



Working face



Active area



Clay base for toe of slope waste placement



Bio-pile treatment trench installation



Clay excavation, Phase 8



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 06/08/12
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of May 21, 2012. The audit was performed at 1:30 pm on **May 24, 2012** by Jo Spear Jr. in the presence of Joe Kwiatkowski.

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

- MSW being tipped in Phase 7 active area
 - Soils (landfill direct and biosoils) being tipped in Phase 2 and 3
 - Compactor being serviced for AC during audit
 - Autofluff, compost and foundry sands used as cover
- Leachate being discharged to MMSD
- Flare in operation during audit, no shut downs ~2150
 - Gas building construction and tie in through future parkland ongoing
- No storm event since last audit
 - Dry conditions on site, water truck active
- No offsite odors noted
- No special waste handling noted
- Dry conditions and high winds usually create litter but site work being done below grade to reduce.
- US45 and 8 Mile Rd clean, site roads dusty
- Tipping scale camera and equipment operators inspecting waste
 - Random Load inspection date 5/24/12, ~1900tpd
- Oaks on site seeding and finishing closure area 3. Straw stockpiled for use in seeding
- Biosoil treatment install completed and awaiting electrical supply for blower

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 24, 2012 TIME 1:30
 Auditor on site at: Open Close

WEATHER Clear Sunny, Dry, Vigorous Wind WIND S 10-15

TEMP Maximum 83 °F Minimum 57 °F B.P. 29.75

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
	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
<u>1</u>	<u>Compactor</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				
<u>1</u>	<u>Compactor</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				

A. Working Face Size and Location:

Now Being tipped in Phase 7 Active
area. Soils being tipped in Phases
II & III Landfill Direct & Bro Soils
Compactor being serviced for AC
during Audit.



Cover Material:

Auto sluff foundry sand, & Compost

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:

Gas building construction of site is through future Parkland ongoing ~ 2/15/07

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:

Dry conditions on site
Water truck active

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 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:

Day conditions & high winds usually create litter, working face below grade reduces it.

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. 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: 5/24/2012

Comments:

2,900 TPD

J. Rejected Loads:

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

Comments:



L. Other Comments:

* Oaks on site seedling & finishing Closure Area. Straws stockpiled for use in seedling

* Bio Soil Treatment install completed awaiting electrical supply for blower

Auditor's Signature: _____

Auditor's Printed Name: _____

Management Signature: _____

Management Printed Name: _____

Management Title: _____

JSA Principal Signature: _____

Date: 5/24/2012

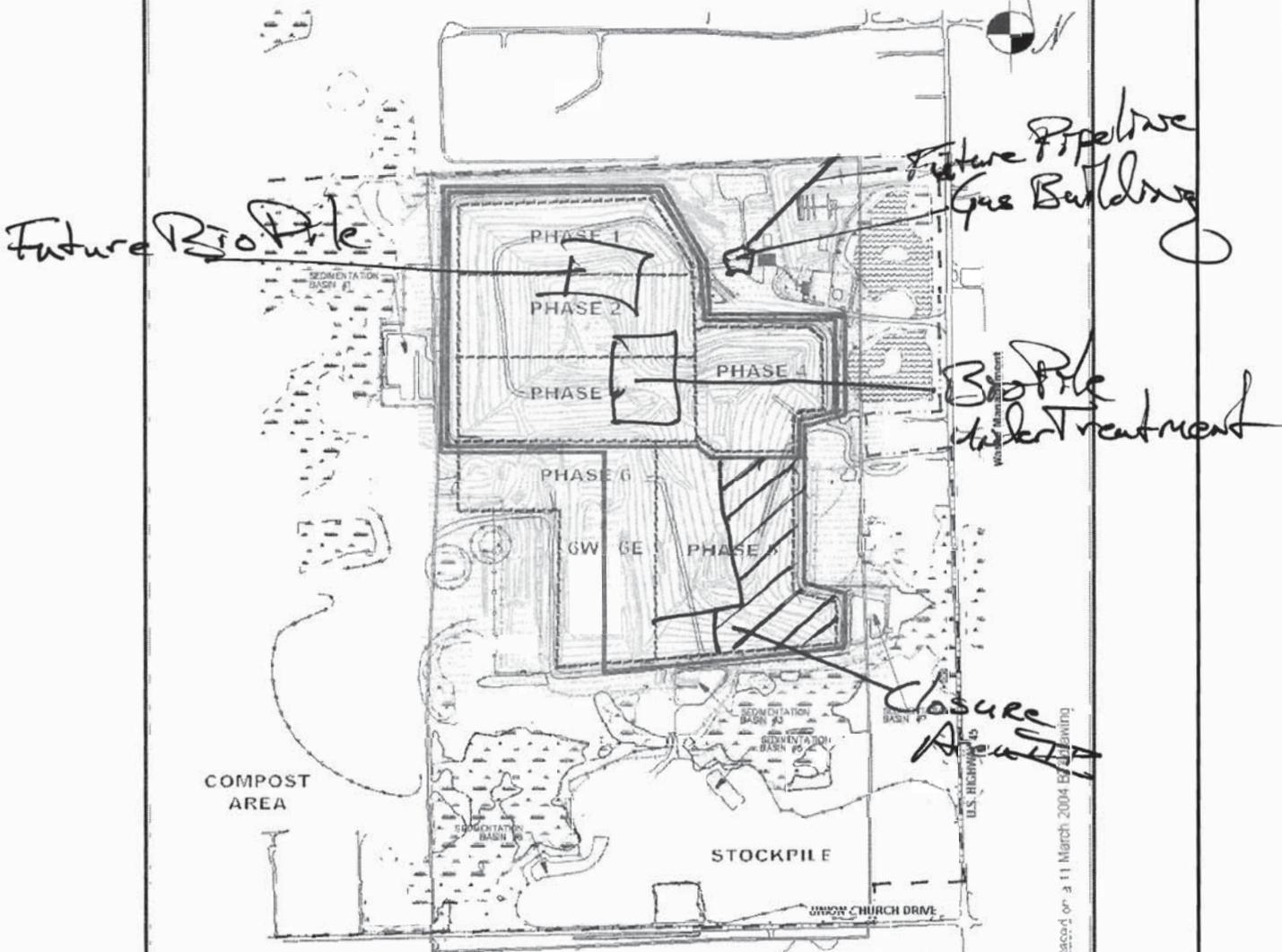
Date: 5/24/2012

Date: _____



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

PROJECT NO. 1020.10030



Record on 311 March 2004 By [illegible]

COMPOST AREA

STOCKPILE

WAGON 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: 3/20/2012		Updated: 4/16/2012					
Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes
1	3/20/2012	More than 1' of leachate head upon the liner of Phase 7	503.10(d)	ASAP	4/13/2012	24	Leachate ponding in new Cell, drained by pumping

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

PROJECT NO. 1012.10030



Gas building construction on going



Gas Building

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Closure area III



Closure area III



Some portion of Closure Area III has been seeded and treated with straw cover



Closure area III berm being completed



Bio-soil pile ready for treatment



Area to receive landfill direct soils



Future Phase 8 and Compost area



Active area



Working face



Closure Area III ready for seeding



**Advanced
Disposal**

June



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

To: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 06/11/12
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of May 28, 2012. The audit was performed at 9:30 am on **June 1, 2012** 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 Phase 7, south east corner on slope.
 - No soils during wet conditions; Phase 2 and 3 receiving soils on dry days, large soil projects have not started
 - Autofluff and sands for daily cover
- Leachate being discharged to MMSD, volumes down
- Flare in operation during audit, no shut downs ~2300cfm
 - 9 new wells brought online in May
- One storm event since last audit, ~1/4"
 - Basins mostly empty
- Gas odor along Phase 5, waste odor south of Phase 7
- No special waste handling noted
- Good litter control, 2 pickers active
- US45 and 8 Mile Rd clean
- Tipping scale camera and equipment operators inspecting waste
 - Random Load inspection date 6/1/12, ~1900tpd
- Previous working face being excavated to find lost money by a resident. Some odor onsite due to exposed waste
- Oaks reshaping south berm on Phase 5. Seeding completed in Closure Area 3 except for berm

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 1, 2012 TIME 9:30
Auditor on site at: Open Close

WEATHER Cloudy, though sunny WIND N S-15

TEMP Maximum 62 °F Minimum 48 °F B.P. 29.84

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:

Working face in Phase 7, Southeast corner
on slopes. No soils during wet conditions

Phase 2 & 3 recycling soils on dry days
large soil projects have not started.



Cover Material:

Autoglyf and sands

B. Leachate Management:

Discharge to MMSD -
Volumes Again

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	0
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:

~ 2,300 lfm. 9 new wells online in
May

D. Surface Water Management:

Storm Events Since Last	# /	Est. Volume	- 1/4"
-------------------------	-----	-------------	--------

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

Basins mostly empty.

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

Gas odor along Phase 5, waste odor South
of Phase 7

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:

Good 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.

Us 45 & 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"/>	#	2
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Random Load Inspection Dates: 6/1/2012				

Comments:

~ 1,900 TPD

J. Rejected Loads:

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

Comments:



L. Other Comments:

* Previous working face being excavated to find lost manure by a resident's house odor on site due to exposed waste

* Oaks reshaping South Berm on Phase 5, Seeding completed in Closure Area ~~B-1~~ except for berm

Auditor's Signature: _____

Auditor's Printed Name: _____

Management Signature: _____

Management Printed Name: _____

Management Title: _____

JSA Principal Signature: _____

Date: 6/1/2012

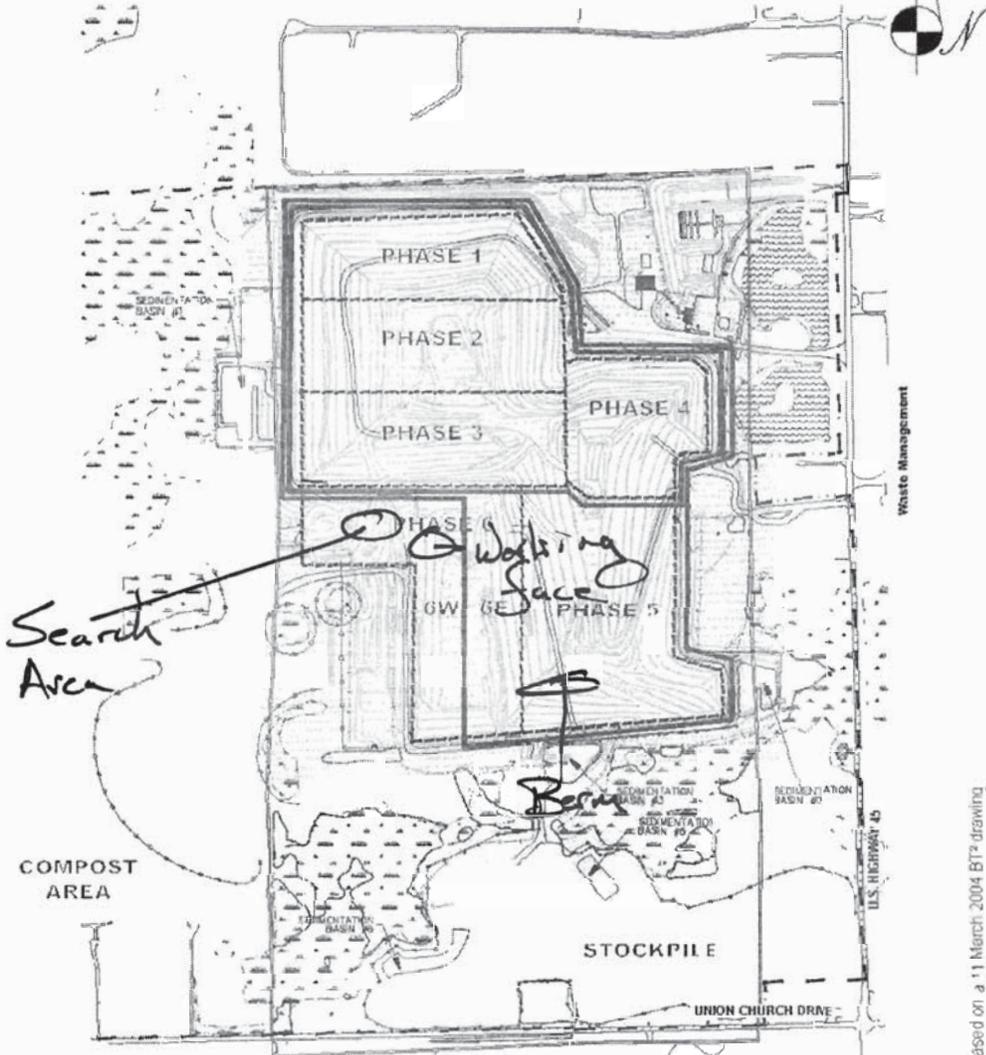
Date: 6/1/2012

Date: _____



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

PROJECT NO. 1020.10030



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: 3/20/2012		Updated: 4/16/2012					
Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes
1	3/20/2012	More than 1' of leachate head upon the liner of Phase 7	503.10(d)	ASAP	4/13/2012	24	Leachate ponding in new Cell, drained by pumping



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

PROJECT NO. 1012.10030



Closure area III seeding and covering completed



Closure area III

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Closure area III - construction of South slope diversion berm.



Search for lost money, excavation of previously covered waste



Working face



Active area



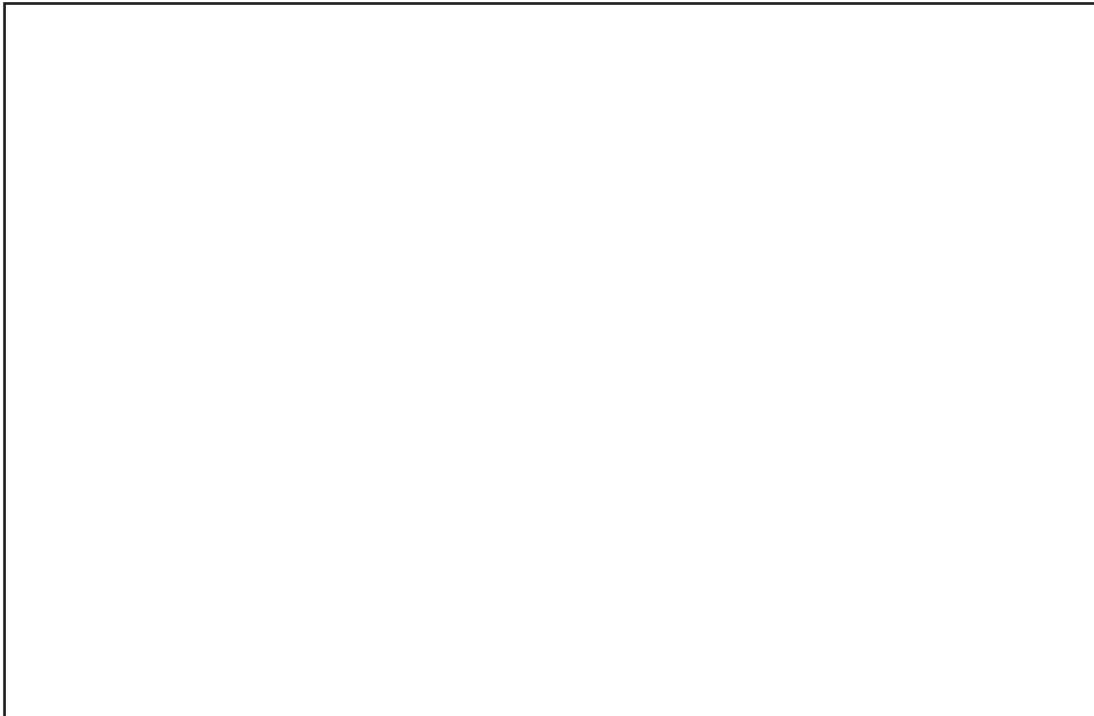
Temp sed basin



Search in waste mass



Northwest corner 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: 06/11/12
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of June 4, 2012. The audit was performed at 11:32 am on **June 6, 2012** 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 Phase 7 on North Slope
 - Additional working faces on Phase 2,3,5 and 6 for soils from Wal-Mart job
 - Autofluff in use for Phase 7 cover, no cover needed for soils
- No Leachate flows, low levels. Recirculation in the future
- Flare in operation during audit, one shut downs ~2250cfm
 - Power supply shutdown by Webco ~ 2 hours
 - Gas building work continues
- No storm event since last audit
 - Site dry
- No odors noted
- No special waste handling noted
- Site under good litter controls, 2 pickers active
- US45 and 8 Mile Rd clean, site roads wetted down during audit
- Tipping scale camera and equipment operators inspecting waste
 - Random Load inspection date 6/6/12, ~3000 tpd, Increase due to soils received
- Permanent lines being installed to supply pumps
- Soils coming in for Wal-Mart jobs, soils going out for separate job by Prepairo which is providing their own excavator and trucks
- Mueller is constructing new access road to 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 June 6, 2012
Auditor on site at: Open Close

TIME 11:32

WEATHER Clear, Sunny & Dry

WIND S 0-10

TEMP Maximum 71 °F Minimum 51 °F

B.P. 30.11

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	Mule	✓					

A. Working Face Size and Location:

Working face in Phase 7 on North Slope
Additional working faces on Phase 2, 3, 5 & 6
for soils from Walmart job.



Cover Material:

Auto flush reuse of Phase 7. No cover needed for soils

B. Leachate Management:

No flows, low levels. Reduce in future

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:	# 6/4 - 10			
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Gas Building work continues ~ 2,250cfm
Power supply shutdown by Weber ~ 2 hours

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:

No storm events, site dry

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 checked="" type="checkbox"/>	NO <input type="checkbox"/>	# 2

Comments:

Site under good litter controls

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 1/8 Mile clean, site roads wetted down 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"/>	#	3
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	6/6/2012			

Comments:

23,000 TPD - due to soils

J. Rejected Loads:

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

Comments:



L. Other Comments:

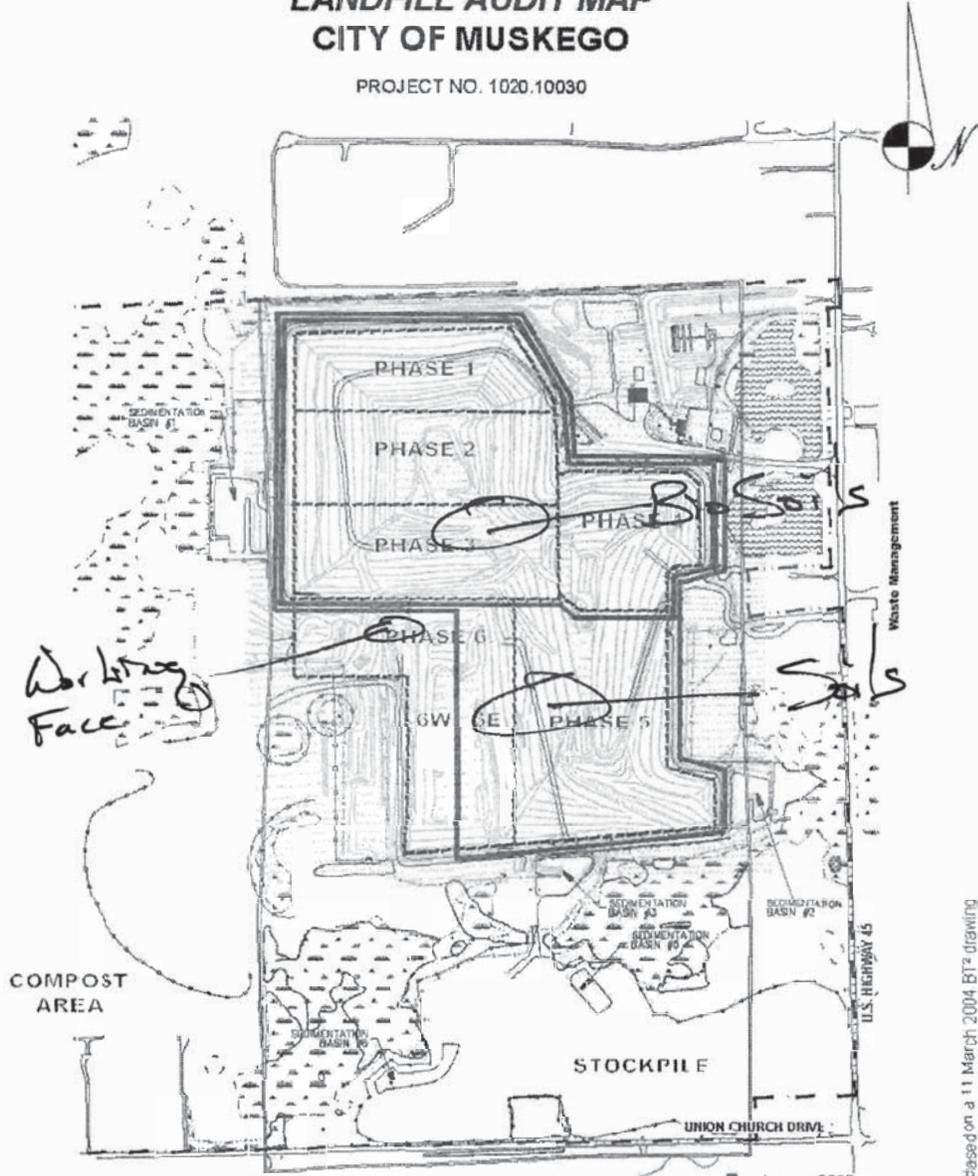
- * Pneumatic lines being installed to supply pumps
- * Soils coming in for Walmart jobs, soils going out for separate jobs by Preparto which is providing their own excavator & trucks
- * Mueller is constructing new access road to Phase 2.

Auditor's Signature: [Signature] Date: 6/6/12
Auditor's Printed Name: _____
Management Signature: [Signature] Date: 6/6/2012
Management Printed Name: DEAN DRIGGETT
Management Title: ENVIRONMENTAL MGR
JSA Principal Signature: _____ Date: _____



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

PROJECT NO. 1020.10030



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: 3/20/2012		Updated: 4/16/2012					
Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes
1	3/20/2012	More than 1' of leachate head upon the liner of Phase 7	503.10(d)	ASAP	4/13/2012	24	Leachate ponding in new Cell, drained by pumping



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

PROJECT NO. 1012.10030



Soil tipping on Phase 5&6



Active Area

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



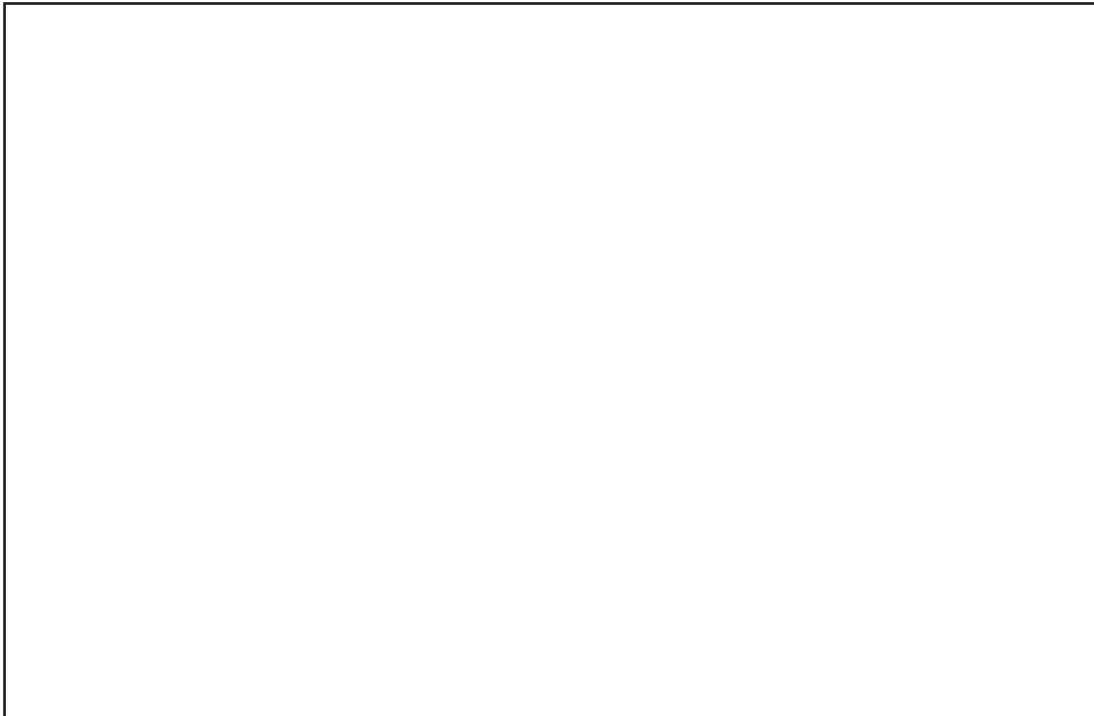
Construction of new access road to Phase 7



Working face



Bio pile undergoing treatment





MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 06/15/12
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of June 11, 2012. The audit was performed at 2:15 pm on **June 14, 2012** by Jo Spear Jr. in the presence of Joe Kwiatkowski

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

- Working face in northeast corner of Phase 7, moving waste mass towards new access road along eastern edge of Phase 7
 - Biosoil stockpiled in Phase 3, landfill direct soils in Phase 3, 5 & 6
 - Autofluff and foundry sands for cover
- Leachate discharge to MMSD
- Flare in operation during audit, no shut downs
 - Gas building nearing completion, two palettes and cooler yet to be placed
 - Pad to be poured yet
- No storm event since last audit
 - Basins nearly dry, to be cleaned when all are dry
- Gas odor at south slope of phase 5, garbage odor above working face
- No special waste handling noted
- Some litter onsite, none offsite, 2 pickers active
 - Chris Rooney onsite evaluating conditions, very little litter onsite
- US45 and 8 Mile Rd clean, site roads slightly dusty
- Tipping scale camera and equipment operators inspecting waste
 - Random Load inspection date 6/8/12, ~5500 tpd,
 - Last Friday, 6/8 11,100 tpd for the day
- Gas building ongoing
- Pneumatic line for gas wells nearly complete, compressor to be installed near MMSD test well

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



MEMORANDUM

- Auditor conducted audit without vest
- Pea gravel/drainage layer repairs in Phase 7 nearly complete
- Gas testing at Phase 5 detected leaks which were treated with clay placement

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 14, 2012 TIME 2:15
Auditor on site at: Open Close

WEATHER Clear, Sunny WIND S 5-10

TEMP Maximum 78 °F Minimum 62 °F B.P. 30.12

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

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

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance
1	Mule	✓					

A. Working Face Size and Location:

Working face in Northeast corner of Phase 7, moving waste mass towards new access road along Eastern edge of ~~Phase~~ Phase 7
Big Soil stock piled in Phase 3, landfill
direct soils in Phase 3 $\frac{1}{2}$ S/6



Cover Material:

Autofloff & 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 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:

Gas Building nearing completion, two pallets unplaced, coolers unplaced. Pad to be poured

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 nearly dry, to be cleaned when all dry

E. Odor Control:

Odors Present:

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

Comments:

Gas odor at South Slope of Phase 5
Garbage odor above working area

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:

Chris Rooney onsite evaluating conditions
 Very little 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 & 8 Mile road clean.
 Site roads minorly 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"/>	#	2
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Random Load Inspection Dates: 6/8/2012				

Comments:

Last Friday 6/8 11,100 Tons for day
 ~ 5,000 TAD

J. Rejected Loads:

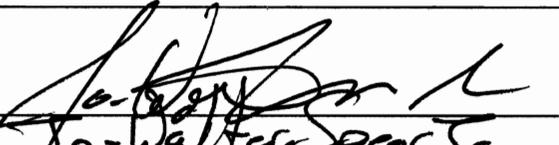
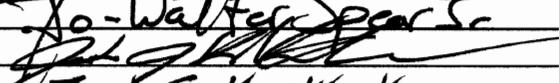
	Date/Time	Reason for Rejection
1.		
2.		
3.		
4.		None

Comments:



L. Other Comments:

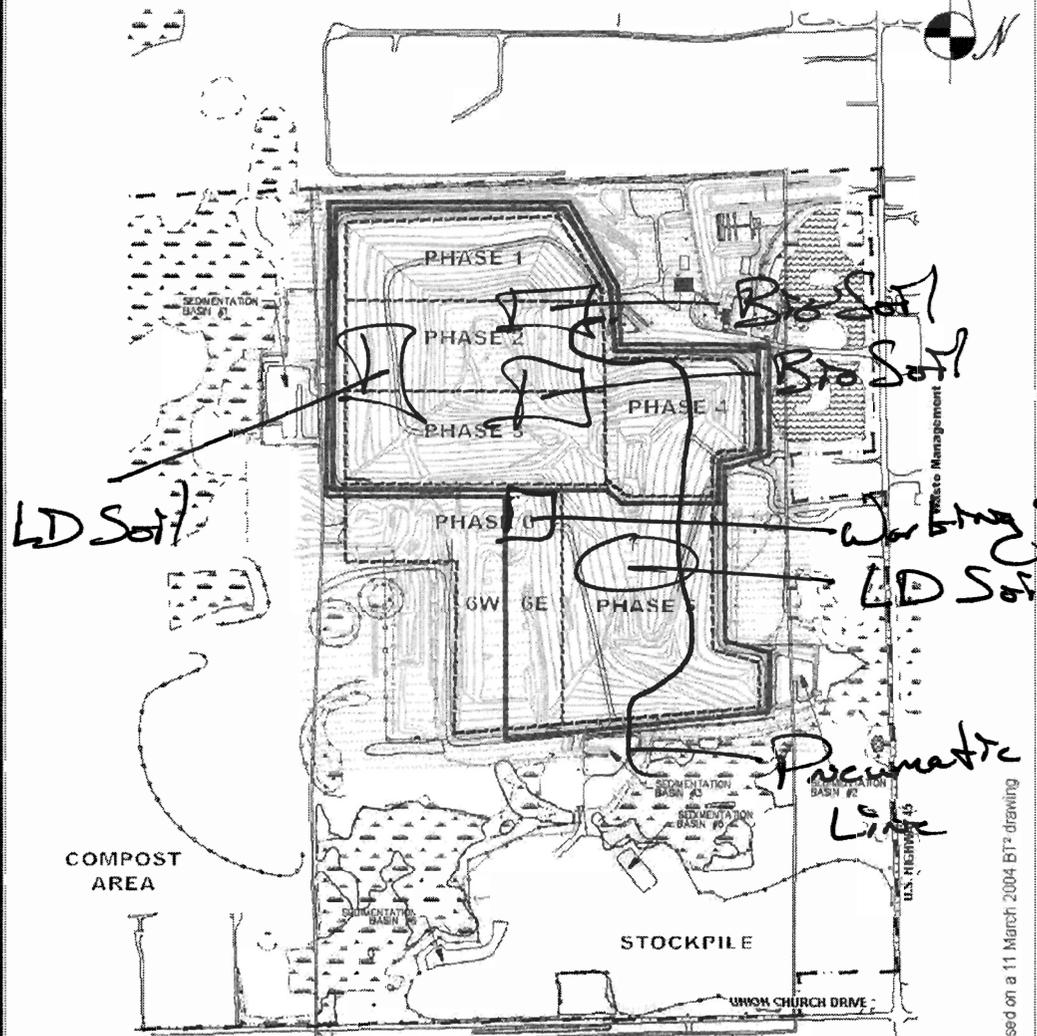
- * Gas Building ongoing
- * Pneumatic line for gas wells nearby complete, compressor to be installed near UMSD Test Well.
- * Auditor conducted audit without vest
- * Pea Gravel / Drainage layer repair is Phase 7 nearby complete.
- * Gas testing at Phase 5 detected leaks were treated with clay placement.

Auditor's Signature:  Date: 6/14/2012
Auditor's Printed Name: Joe-Walter Spear Jr.
Management Signature:  Date: 6/14/2012
Management Printed Name: Joseph J. Kwiatkowski
Management Title: Operations Manager
JSA Principal Signature: _____ Date: _____



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

PROJECT NO. 1020.10030



LD Soil

*Biosol
Bto Soil*

*Working Area
LD Soil*

*Pneumatic
Line*

Waste Management

closed on a 11 March 2004 BTR 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: 3/20/2012		Updated: 4/16/2012					
Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes
1	3/20/2012	More than 1' of leachate head upon the liner of Phase 7	503.10(d)	ASAP	4/13/2012	24	Leachate ponding in new Cell, drained by pumping



VEOLIA EMERALD PARK LANDFILL AUDIT PHOTOS CITY OF MUSKEGO

PROJECT NO. 1012.10030



Gas building construction



Skid awaiting install.

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Gas building construction



Gas building construction



Sampling skid



Gas building



Blowers for gas project



Conduits and cables being placed under concrete pad location for chillers



Electrical conduits



New flare pad



Landfill direct soil being spread to maximize tipping area in Phases 5 & 6



Closure area III North slope seeded and starting to green, vehicle path from placement of pneumatic line



Landfill direct soils on top of Phase 5/6, closure area III East side slope



Liner cleaned and new stone to be placed for leachate collection layer at Phase 7/3/6 junction



Working face



Phase 5, area identified with gas leak, addressed by clay placement



Bio soils placed before existing pile, existing pile awaiting blower for treatment



Bio soils on Phase 3



Active area viewed from Northeast



Clay excavation for use on site



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

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

FROM: Anna Krajcik

COPIES: File

DATE: 06/21/12

PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of June 18, 2012. The audit was performed at 2:45 pm on **June 20, 2012** by Jo Spear Jr. in the presence of Dean Driggett.

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

- Working face for MSW in Phase 7, eastern edge of the cell
 - New access road complete but not in use
 - Phase 1-3 receiving soils
 - Autofluff for cover
- Minor recirculation, all at maintenance levels
- Flare in operation during audit, no shut downs
 - Gas building construction ongoing, ~2,200 cfm
- One storm event since last audit, ~2"
 - Storm over the weekend
 - Some erosion in Closure Area 3 and ponding in Phase 1
- Garbage odors onsite, gas odors about Phase 2
- No special waste handling noted
- No litter present, 2 pickers active
 - Low grade placement and active pickers
- US45 and 8 Mile Rd clean, site roads dusty
- Tipping scale camera and equipment operators inspecting waste
 - Random Load inspection date not noted, ~1500 tpd,
- Access roads on for westside of site being excavated and rebuilt with C & D material
- Residential drop off relocation construction ongoing with grading of area, new stone and flattened area

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 20, 2012
 Auditor on site at: Open Close

TIME 2:45

WEATHER Sunny Clear, Dry
 TEMP Maximum 93 °F Minimum 68 °F

WIND S-SW 10-35
 B.P. 29.98

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
1	Dozer						
1	Excavator						
1	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 for MSW in Phase 7, Eastern
edge of the cell. New access road complete
but not in use
Phase 1-3 receiving soils



Cover Material:

Autofluff

B. Leachate Management:

Minor seeps

All 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:	#		0	
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Gas Building construction ongoing
~ 2, 2008/9

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:

Storms over weekend. Some erosion in Phase
Closure Area III of Parking in Phase I

E. Odor Control:

Odors Present:

Onsite

Offsite

Comments:

Garbage odors on site Gas odors
about Phase I

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:

Low grade placement & active 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 & 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"/>	#	3
Spotter:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:						

Comments:

~ 1/500 TPD.

J. Rejected Loads:

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

Comments:



L. Other Comments:

* Access roads on far west side of site being excavated & rebuilt with CTD material

* Resi-drop-off relocation construction ongoing with grading of area, new stone and flattened area

Auditor's Signature: _____

Auditor's Printed Name: _____

Management Signature: _____

Management Printed Name: _____

Management Title: _____

JSA Principal Signature: _____

Date: _____

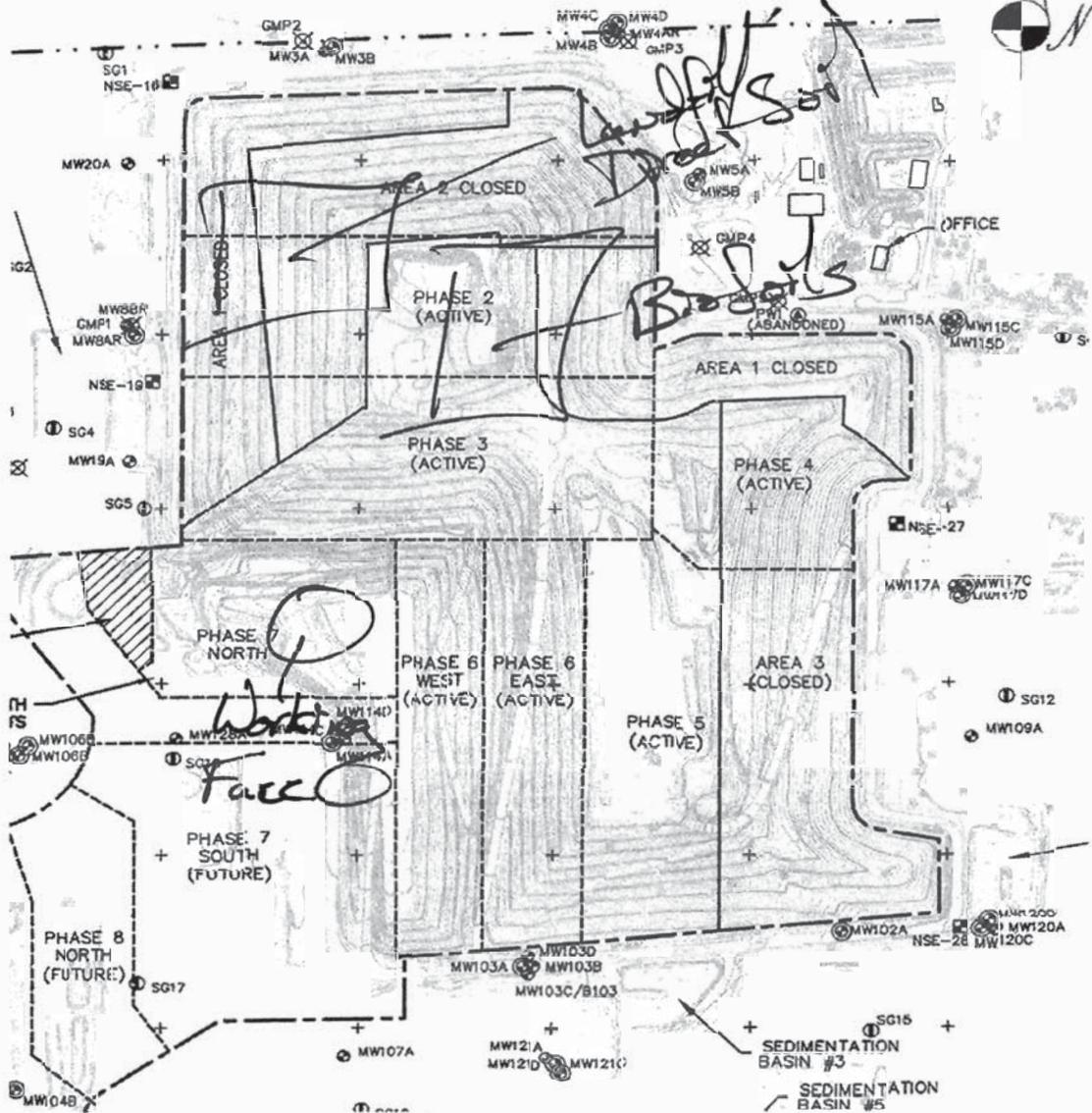
Date: _____

Date: _____



VEOLIA EMERALD PARK LANDFILL LANDFILL AUDIT MAP CITY OF MUSKEGO

PROJECT NO. 1020.10030




JSA
 WWW.JSACIVIL.COM
 320 WEST VINE STREET
 MILWAUKEE, WI 53212-3606
**CIVIL ENVIRONMENTAL
ENGINEERS**

LANDFILL AUDIT MAP

VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened: 3/20/2012		Updated: 4/16/2012					
Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes
1	3/20/2012	More than 1' of leachate head upon the liner of Phase 7	503.10(d)	ASAP	4/13/2012	24	Leachate ponding in new Cell, drained by pumping



VEOLIA EMERALD PARK LANDFILL AUDIT PHOTOS CITY OF MUSKEGO

PROJECT NO. 1012.10030



Working face



Active area

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Temp sed. basin after 2" storm



Poor road material being removed for replacement



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

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

FROM: Anna Krajcik

COPIES: File

DATE: 06/29/12

PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of June 25, 2012. The audit was performed at 10:45 am on **June 28, 2012** by Jo Spear Jr. in the presence of David Geier.

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

- Working face in Phase 7, approximately at middle of the cell
 - Small soil volumes being delivered to Phase 2
 - Autofluff and some compost material for cover
- Some surface application of leachate from storage tanks
- Flare in operation during audit, no shut downs
 - Gas building construction ongoing
 - Planned shutdowns on June 26th for tie in
- No storm event since last audit
 - Site conditions dry, basins need cleaning
- No odors noted
- No special waste handling noted
- No litter on site, 2 pickers active
- US45 and 8 Mile Rd clean, site roads dusty
- Tipping scale camera and equipment operators inspecting waste
 - Random Load inspection date 6/21/2012, ~1300 tpd
 - Soil loads stopped for now, except for small volume of landfill direct
- New landfill manager Dave Geier of Republic, 24 years of experience
- Walmart soil loads finished, TPD predominantly MSW
- Biopile process started, blowers online since last 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 June 28, 2012
 Auditor on site at: Open Close

TIME 10:45

WEATHER Clear Hot, Sunny

WIND N-NW 5-15

TEMP Maximum 97 °F Minimum 70 °F

B.P. 29.75

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
<u>1</u>	<u>Compactor</u>		<input checked="" type="checkbox"/>				

A. Working Face Size and Location:

Working face in Phase 7, approx
middle of cell. Small soil volumes
being delivered to Phase 2



Cover Material:

Autofluff and some compost material
in use

B. Leachate Management:

Some Surface application from storage
tanks

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:	#	2		
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Gas building construction ongoing

Planned shutdowns on 6/16 & 27 - for fire INS

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:

Site conditions dry, Basins in need
of cleaning

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 checked="" type="checkbox"/>	NO	<input type="checkbox"/>	# 2

Comments:

No 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.

USHS & 3 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: 6/21/2012						

Comments:

~ 1,300 TPD. Soil loads stopped for now, except for small volume landfill/direct

J. Rejected Loads:

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

Comments:



L. Other Comments:

- * New Landfill Manager Dave Geier, of Republic
26 years experience
- * Walnut soil loads finished, TPD
predominantly MSW
- * Bio pile process started, blowers online
since last week.

Auditor's Signature: _____

Auditor's Printed Name: _____

Management Signature: _____

Management Printed Name: _____

Management Title: _____

JSA Principal Signature: _____

Date: 6/28/2012

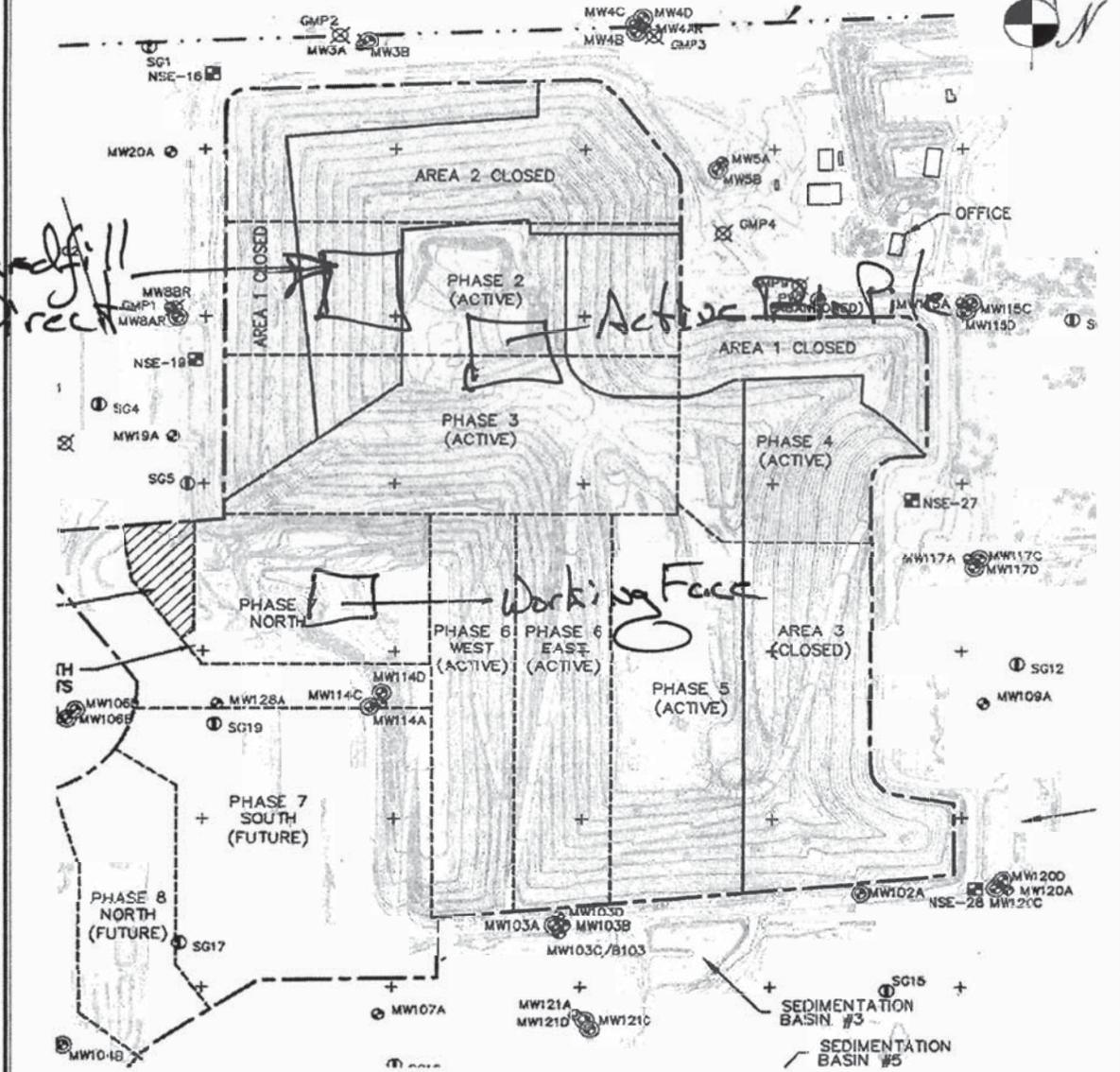
Date: 6-28-2012

Date: _____



VEOLIA EMERALD PARK LANDFILL LANDFILL AUDIT MAP CITY OF MUSKEGO

PROJECT NO. 1020.10030



Landfill Direct

Active

Working Face



WWW.JSACIVIL.COM
325 WEST VINE STREET
MILWAUKEE, WI 53212-3006

LANDFILL AUDIT MAP

VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened: 3/20/2012		Updated: 4/16/2012					
Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes
1	3/20/2012	More than 1' of leachate head upon the liner of Phase 7	503.10(d)	ASAP	4/13/2012	24	Leachate ponding in new Cell, drained by pumping

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

PROJECT NO. 1012.10030



New pad for dryers at Gas building



Closure Area III

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Active area



Working face



Working face



Active area



**Advanced
Disposal**

July



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 07/05/12
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of July 2, 2012. The audit was performed at 10:00 am on **July 3, 2012** by Jo Spear Jr. in the presence of David Geier.

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

- Phase 1 thru 3 receiving bio and landfill direct soils for jobs being received
 - MSW being tipped in Phase 7
 - Autofluff for daily cover
 - side slopes in Phase 7 south and west covered with reclaimed soils
- Discharge to MMSD and surface application from storage and future parkland
- Flare in operation during audit, no shut downs
 - Gas building construction nearing completion
- No storm event since last audit
 - Rain predicted for today, in low volume; Basins awaiting cleaning
- No odors noted
- No special waste handling noted
- No litter issues, 2 pickers active
- US45 and 8 Mile Rd clean, site roads clean but dusty
- Tipping scale camera and equipment operators inspecting waste
 - Random Load inspection date 6/28/2012, ~1500 tpd
 - New soil loads are unknown
- Site working future parkland for pipe connections ongoing
 - work performed by Mueller
- Soil loads expected through out the day

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 3, 2012
 Auditor on site at: Open Close

TIME 10:00 AM

WEATHER Low clouds, some rain

WIND SSW 5-10

TEMP Maximum 100 °F Minimum 77 °F

B.P. 29.89

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:

Phases 1 thru 3 receiving Bio & Landfill
Direct soils, for jobs being received.
MSW Being tipped in Phase 7



Cover Material:

Auto fluff, side slopes in Phase 7 South & West covered with reclaimed soils

B. Leachate Management:

Discharge to MMSD surface application from storage & future parkland.

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:

Gas building construction nearing completion

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:

Rain may occur today, but low volume. Basins awaiting 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

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 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 & 8 Mile Road Clean
 Site roads clean, but dusty

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	# 2
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: 6/28/2012			

Comments:

~1,500 TPD. New soil jobs are unknown

J. Rejected Loads:

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

Comments:



L. Other Comments:

* Site work in future Parkland for pipe connections ongoing, work being performed Mueller

* Soil loads expected through out the day

Auditor's Signature: _____

Auditor's Printed Name: _____

Management Signature: _____

Management Printed Name: _____

Management Title: _____

JSA Principal Signature: _____

Date: 7/3/2012

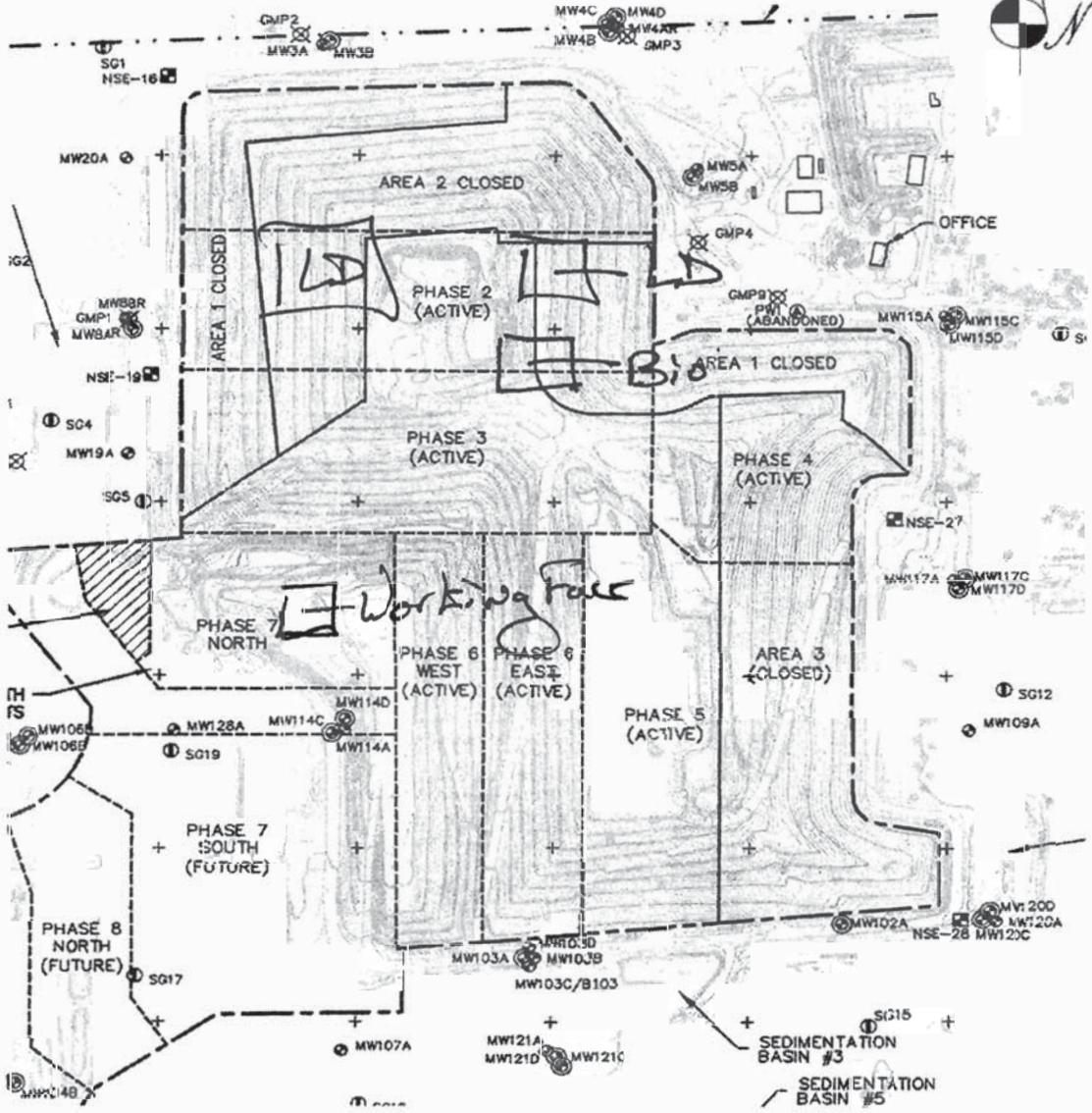
Date: 7-3-2012

Date: _____



VEOLIA EMERALD PARK LANDFILL LANDFILL AUDIT MAP CITY OF MUSKEGO

PROJECT NO. 1020.10030




JSA
 WWW.JSACIVIL.COM
 325 WEST VINE STREET
 MILWAUKEE, WI 53212-3000
**CIVIL ENVIRONMENTAL
ENGINEERS**

LANDFILL AUDIT MAP

VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened: 3/20/2012		Updated: 4/16/2012					
Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes
1	3/20/2012	More than 1' of leachate head upon the liner of Phase 7	503.10(d)	ASAP	4/13/2012	24	Leachate ponding in new Cell, drained by pumping



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

PROJECT NO. 1012.10030



Bio soils received today



Landfill direct loads

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Landfil direct soils



Working face



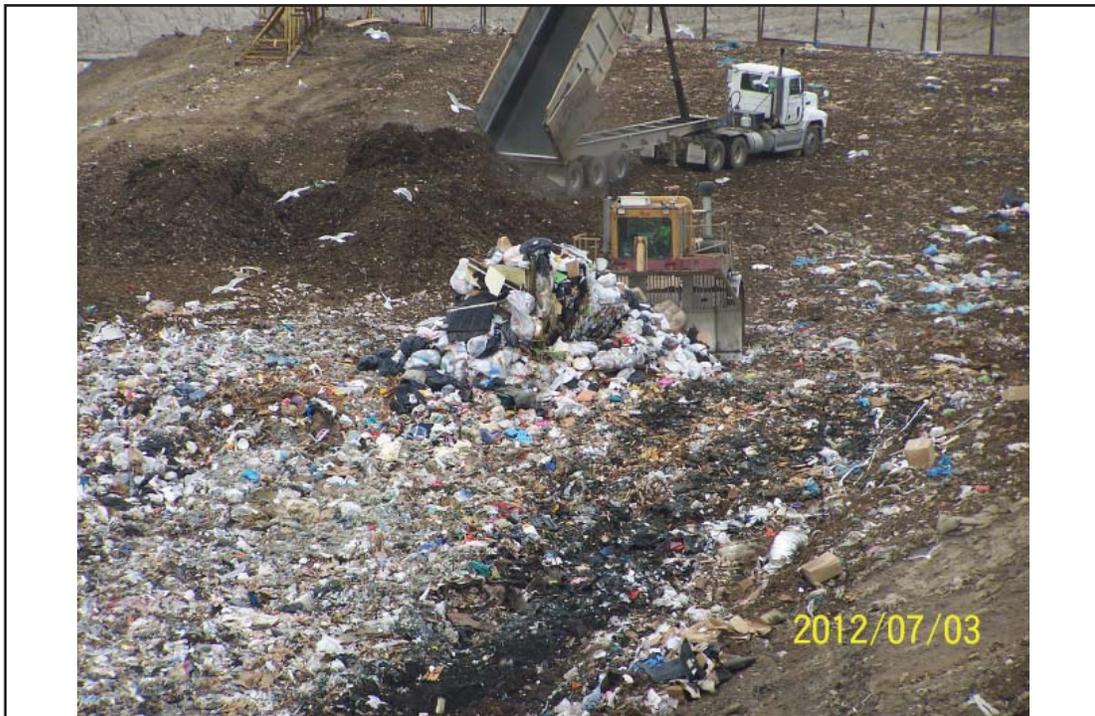
Active area



Active area



Working face



Compactor active in working face



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

To: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 07/13/12
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of July 9, 2012. The audit was performed at 2:48 pm on **July 12, 2012** by Jo Spear Jr. in the presence of David Geier.

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

- Working face in the middle of phase 7
 - soil being tipped in phase 3 and above phase 7 on side slope
 - Autofluff for daily cover
- Discharge to MMSD and surface application from future parkland
- Flare use consistent since last audit, no shut downs
 - Gas building construction ongoing
- No storm event since last audit
 - Basins need cleaning, slopes are slowly greening
- No odors noted
- No special waste handling noted
- Litter conditions good, 2 pickers active
- US45 and 8 Mile Rd clean, site roads dusty
- Tipping scale camera and equipment operators inspecting waste
 - Random Load inspection date not stated, ~8000 tpd
 - Lots of soil coming in to the site
- Gas building construction ongoing, flare to be relocated 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 July 12, 2012
 Auditor on site at: Open Close

TIME 2:40

WEATHER Clear Sunny, Dry

WIND S 5-15

TEMP Maximum 82 °F Minimum 66 °F

B.P. 30.12

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 in the middle of Phase 7
soil being tipped in Phase 3
and above Phase 7 on side slope



Cover Material:

Asphalt

B. Leachate Management:

Discharge to MMSP. Surface application from Future Parkland w/Phase 7

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	
Blowers in Operation:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Flare use since last audit	# - continual			
Shutdowns Since Last Audit:	#			
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Gas building construction ongoing

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:

Roads require cleaning slopes slowly greening

E. Odor Control:

Odors Present:	Onsite <input type="checkbox"/>	Offsite <input type="checkbox"/>
----------------	---------------------------------	----------------------------------

Comments:

No offsite odors are onsite

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 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.

4545 of 8 Mile road close 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"/>	#	3
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	0

Random Load Inspection Dates:

Comments:

~ 8,000 TAD a great deal of soils coming in

J. Rejected Loads:

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

Comments:



L. Other Comments:

* Gas building construction ongoing
flare relocation expected ~~the~~ ^{next} week

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

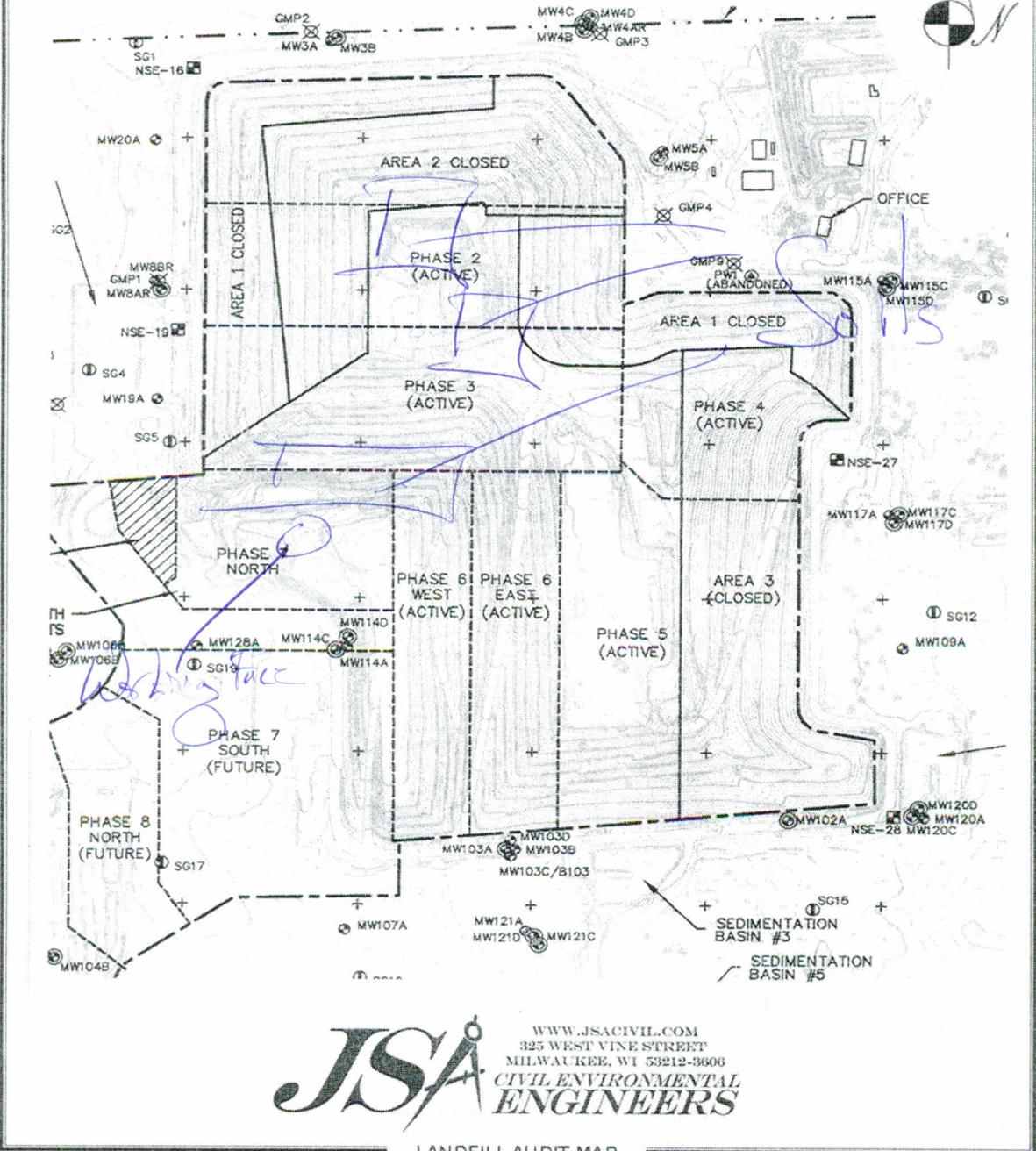
[Handwritten Signature]
Jo-Ann Spear Jr
David Beier
David Beier
Operations Manager

Date: *7/12/12*
Date: *7-12-12*
Date: _____



VEOLIA EMERALD PARK LANDFILL LANDFILL AUDIT MAP CITY OF MUSKEGO

PROJECT NO. 1020.10030




JSA
 WWW.JSACIVIL.COM
 325 WEST VINE STREET
 MILWAUKEE, WI 53212-3606
 CIVIL ENVIRONMENTAL
 ENGINEERS

LANDFILL AUDIT MAP

VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened: 3/20/2012		Updated: 4/16/2012					
Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes
1	3/20/2012	More than 1' of leachate head upon the liner of Phase 7	503.10(d)	ASAP	4/13/2012	24	Leachate ponding in new Cell, drained by pumping



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

PROJECT NO. 1012.10030



Previously tipped Bio-soil and Landfill direct soils



Soils being placed above Phase 7

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Soils in phases 2 & 3



Soil loads being spread



Leachate from Future Parkland being applied in active area, Phase 7



Active area



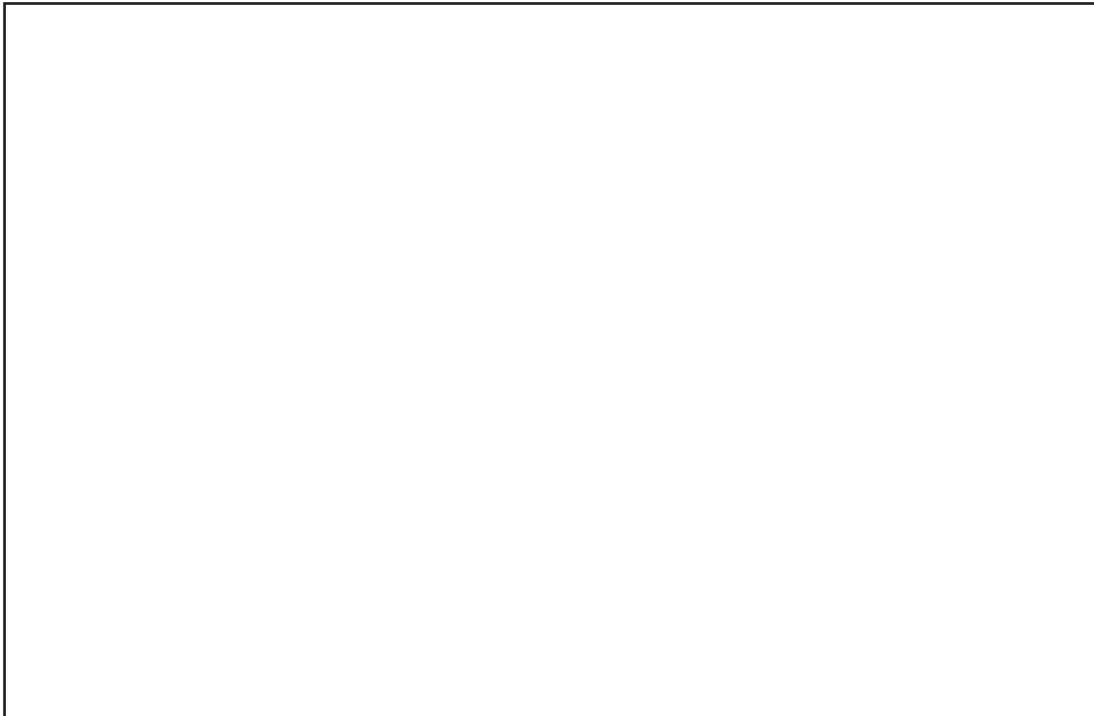
Temp sed basin adjacent to Phase 7



Phase 7 viewed from Southwest



Soils previously tipped in 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: 07/20/12

PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of July 16, 2012. The audit was performed at 2:48 pm on **July 19, 2012** by Jo Spear Jr. in the presence of David Geier.

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

- Phase 7 lift completed, new lift started on west edge
 - Phase 2 & 3 have been receiving soils all week except today due to wet weather
 - Autofluff for daily cover
- Dean Driggett on vacation, no recirculation today, no discharge today
- One flare shut down, otherwise consistent use
 - Shut down due to weather conditions on 07/18/12
- One storm event since last audit, ~ 1"
 - Some rills in Closure Area 3, but minor
- Waste odor on US 45, gas odor on west side of Phase 6
- No special waste handling noted
- Litter conditions good, 2 pickers active
- US45 North dusty and gritty, South, clean. 8 Mile Road clean
- Tipping scale camera and equipment operators inspecting waste
 - Random Load inspection on 07/18/12, ~8000 tpd
 - Predominantly soils
- Contracted operator from special services on site to help with soil load handling
- Rental dozer to be on site to replace down equipment
- Gas structure construction ongoing, low pressure side being assembled. Flare location to move next week. No other construction.
- Cuts in Closure Area 3 for pneumatic system placement for well operations
- Stockpiles along Union Church Road have good vegetation

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 19, 2012
Auditor on site at: Open Close

TIME 2:55

WEATHER Sunny overcast clouds

WIND N 5-10

TEMP Maximum 81 °F Minimum 68 °F

B.P. 29.93

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

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

MAJOR EQUIPMENT BONEYARD

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

A. Working Face Size and Location:

Phase 7 lift completed. New lift started on west edge.

Phase 2 & 3 have been receiving soils all week, except for today due to wet conditions.



Cover Material:

Auto-fluff

B. Leachate Management:

Dead on vacation, no recirc today, no discharge today

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	
Blowers in Operation:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	<i>Not operational yet</i>
Flare use since last audit	#	<i>1</i>		
Shutdowns Since Last Audit:	#	<i>1</i>		
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Shutdown due to weather conditions on 7/18/2012

D. Surface Water Management:

Storm Events Since Last	#	<i>1</i>	Est. Volume	<i>~1"</i>
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EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Some rills in closure area, but minor

E. Odor Control:

Odors Present:

Onsite	<input checked="" type="checkbox"/>	Offsite	<input checked="" type="checkbox"/>
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Comments:

*Waste odor on US 45
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 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 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 clean on South Bound dusty on North Bound 8 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:

7/18/2012

Comments:

~ 8,000 TPD, predominantly soils

J. Rejected Loads:

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

Comments:



L. Other Comments:

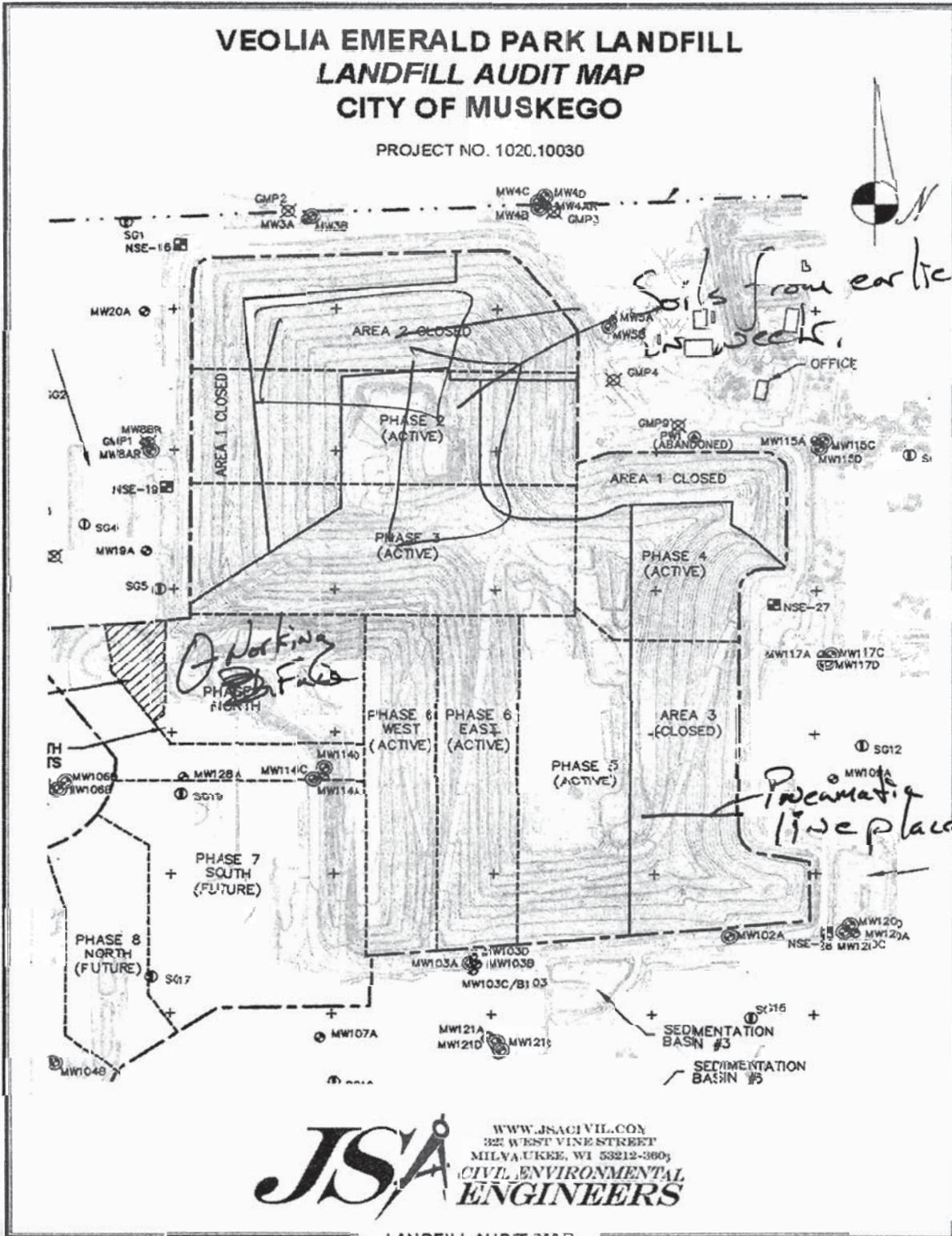
- * Contracted operator from Special Services on site to help with soil load handling
- * Rental dozer to be on site to replace down equipment
- * Gas structure construction ongoing, low pressure "side" being assembled. ~~Flare~~ Flare location being moved next week. No other construction
- * Curtin Closure Area ~~III~~ For Pneumatic system placement for well operations
- * Stockpiles along Union Church Rd have good vegetation

Auditor's Signature: [Signature] Date: 7/19/2012
Auditor's Printed Name: Jo-Walter Spear, Jr
Management Signature: [Signature] Date: 7-19-2012
Management Printed Name: David Geier
Management Title: Operations Manager
JSA Principal Signature: _____ Date: _____



VEOLIA EMERALD PARK LANDFILL LANDFILL AUDIT MAP CITY OF MUSKEGO

PROJECT NO. 1020.10030



JSA
 WWW.JSACIVIL.COM
 322 WEST VINE STREET
 MILWAUKEE, WI 53212-3603
 CIVIL ENVIRONMENTAL
 ENGINEERS

LANDFILL AUDIT MAP

VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened: 3/20/2012		Updated: 4/16/2012					
Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes
1	3/20/2012	More than 1' of leachate head upon the liner of Phase 7	503.10(d)	ASAP	4/13/2012	24	Leachate ponding in new Cell, drained by pumping

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

PROJECT NO. 1012.10030



Trenching in new cover of Closure Area III to place pneumatic lines



Active ara

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Pea gravel over liner washed out, replacement material available on site.



Temp sed basin, pumped down to an acceptable level



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 07/25/12
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of July 23, 2012. The audit was performed at 12:30 pm on **July 24, 2012** by Jo Spear Jr. in the presence of David Geier.

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

- Working face at western end of Phase 7
 - Soils being tipped above Phase 7 on side slope of 2 & 3.
 - Soils stockpiles in Phase 1-3 full
 - Autofluff for daily cover
- Surface application from storage tank and discharge to MMSD
- Flare in consistent operation, gas building not online yet.
 - 2000 cfm destruction at the flare
- One storm event since last audit, ~ 4"
 - Basins require cleaning and vegetation removal
 - Basins have plenty of free board
- No offsite odors noted
- No special waste handling noted
- No litter issues during this audit, 2 pickers active
- US45 Northbound lane has some tracking, 8 Mile Road clean
- Tipping scale camera and equipment operators inspecting waste
 - Random Load inspection on 07/18/12, ~5000 tpd average for July
- Flare relocation pushed back until tomorrow or further based on weather conditions
 - No relocation to happen during weather events
- Sediment pond cleaning pushed back due to rain event
 - Basin 3 has heavy vegetation coverage

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 24, 2012 TIME 12:30
 Auditor on site at: Open Close

WEATHER Overcast, but clearing at times of audit WIND E 0-5
 TEMP Maximum 81 °F Minimum 70 °F B.P. 29.96

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		✓				
1	Dozer	✓					

A. Working Face Size and Location:

Working face at Western end of Phase 7
Soils being tipped above Phase 7
on Phase 2 & 3 side slope. Soil stockpiles
in Phase 1-3 full



Cover Material:

Antistuff

B. Leachate Management:

Surface application from storage tanks and discharge to MMSP

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	
Blowers in Operation:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	
Flare use since last audit					#	
Shutdowns Since Last Audit:					#	
Vegetation Condition:	Good	<input type="checkbox"/>	Fair	<input checked="" type="checkbox"/>	Poor	<input type="checkbox"/>
					Dead	<input type="checkbox"/>

Comments:

Gas building not online

~ 2,000 cfm destructed at the flare

D. Surface Water Management:

Storm Events Since Last	#	1	Est. Volume	0.4
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EFFECTS: Note condition of perimeter road, erosion control structures, erosion damage and possible storm water/waste contact locations:

Basins require cleaning and vegetation removal. Basins currently have plenty of freeboard

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"/>	# 2

Comments:

Litter not an issue this audit

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 tracking in Northbound lane
0.5 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>7/18/2012</i>			

Comments:

2 5,000 TPD, Month of ~~August~~ July average

J. Rejected Loads:

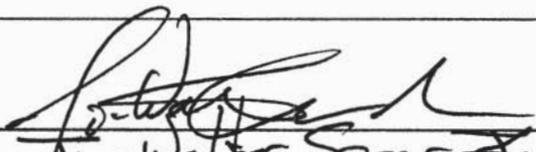
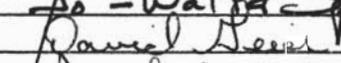
	Date/Time	Reason for Rejection
1.		
2.		
3.		<i>None</i>
4.		

Comments:



L. Other Comments:

- * Flare relocation pushed back til tomorrow or further based on weather conditions
No relocation during weather events
- * Sed pond cleaning pushed back due to rain event. Basin #3 has heavy vegetative coverage.

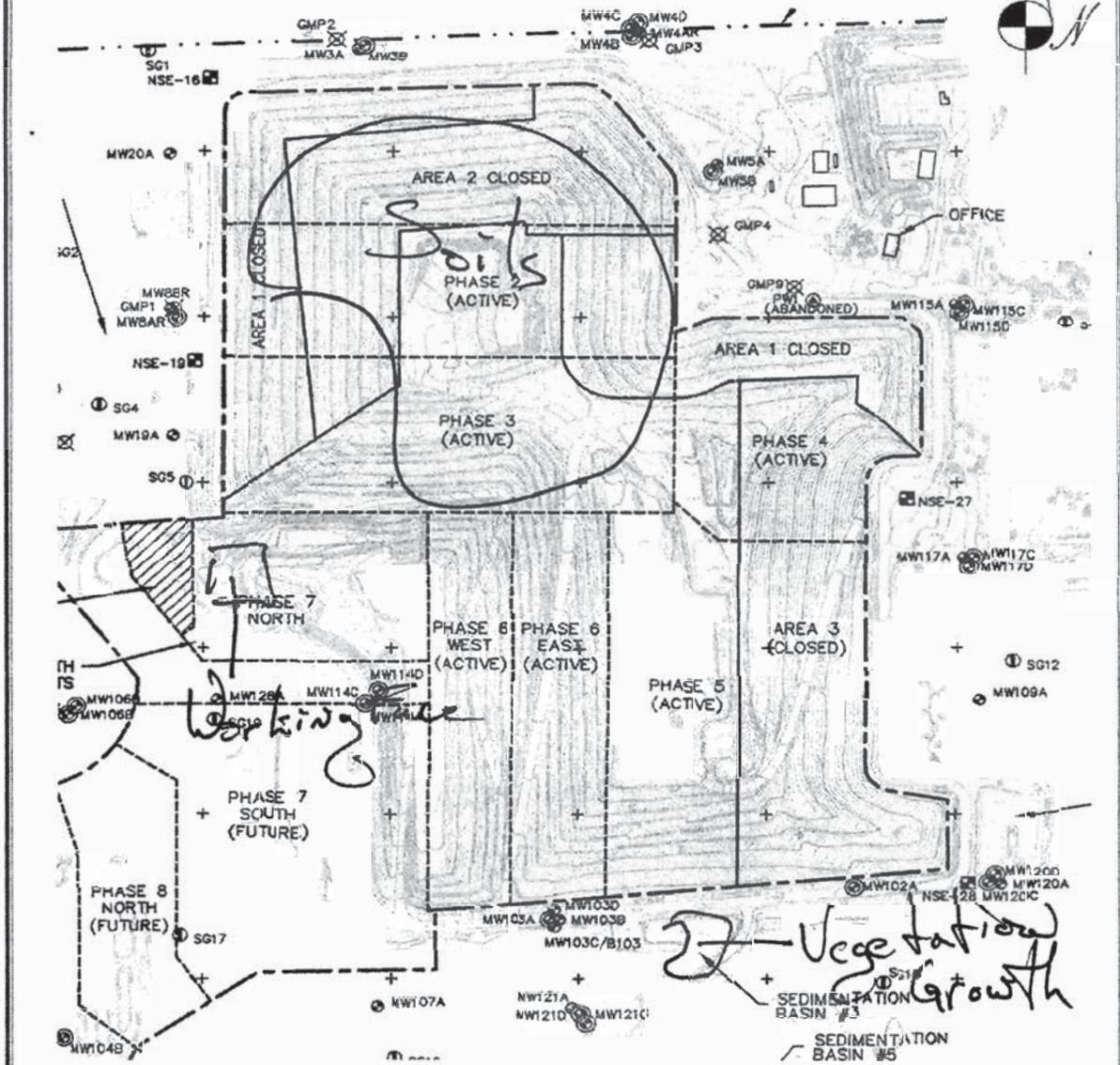
Auditor's Signature: 
Auditor's Printed Name: Jo-Walter Spear, Jr.
Management Signature: 
Management Printed Name: David Geier
Management Title: Ops Manager
JSA Principal Signature: _____

Date: 7/24/2012
Date: 7-24-2012
Date: _____



VEOLIA EMERALD PARK LANDFILL LANDFILL AUDIT MAP CITY OF MUSKEGO

PROJECT NO. 1020.10030




JSA
 WWW.JSACIVIL.COM
 325 WEST VINE STREET
 MILWAUKEE, WI 53212-3606
**CIVIL ENVIRONMENTAL
ENGINEERS**

LANDFILL AUDIT MAP

VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened: 3/20/2012		Updated: 4/16/2012					
Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes
1	3/20/2012	More than 1' of leachate head upon the liner of Phase 7	503.10(d)	ASAP	4/13/2012	24	Leachate ponding in new Cell, drained by pumping



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

PROJECT NO. 1012.10030



Landfill direct soil on South Slope of Phase 2/3



Active area

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Temp sed basin, pumped down to an acceptable level this AM



Landfill direct soils adjacent to bio-soil pile



Bio-soil pile



Dozer manipulating landfill direct soils on Phase 7 South slope



Active area, working face is on first lift at far end



Stone pad for air compressor, for pneumatic well system



**Advanced
Disposal**

August



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 08/02/12
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of July 30, 2012. The audit was performed at 9:15 am on **August 1, 2012** 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 southwest corner of Phase 7; cover of previous day's face well placed
 - Landfill direct soils being placed on west slope of Phase 3, large volume of soils
 - Autofluff for daily cover, large volume of fluff stockpiled
- Surface application and discharge to MMSD
- Many flare shut downs since last audit
 - New flare location in use, shut downs due to relocation and storms
 - 2150 cfm
- No storm event since last audit
 - Very low volume or no storm events since last audit
 - Some discharge in closure area 3
- No offsite odors noted, minor odor above working face
- No special waste handling noted
- Litter volume very low, 2 pickers active
- US45 and 8 Mile Road clean, site roads dusty, broom in use
- Tipping scale camera and equipment operators inspecting waste
 - Waste tonnage unchanged, soil loads increased for week and more expected
 - Random load date not stated
- Site manager on equipment during audit
- Discharge at Closure area 3 from one toe; drainage is discolored (reddish)
 - Veolia will treat and repair
- Gas building using one blower (as designed) and new flare location.
 - Some systems awaiting installation

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 1, 2012 TIME 9:15
 Auditor on site at: Open Close

WEATHER Clear Sunny, Some Clouds WIND S 10-15

TEMP Maximum 88 °F Minimum 74 °F B.P. 29.96

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>2</u>					
	<u>Excavator</u>						
	<u>Haul Truck</u>						
	<u>Water Truck</u>						
	<u>Sweeper</u>						
<u>1</u>	<u>Buckhoe Load</u>						

MAJOR EQUIPMENT BONEYARD

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

A. Working Face Size and Location:

Working face at Southwest corner of
Phase #. Cover of previous working
face is well placed.
Landfill direct soils being placed
on west slope of Phase 3. Large
volume of soils.



Cover Material:

Auto fluff is use for daily cover
Large volume of fluff stockpiled

B. Leachate Management:

Surface application and discharge to
MMSD

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	1
Blowers in Operation:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	1
Flare use since last audit					#	
Shutdowns Since Last Audit:					#	Many
Vegetation Condition:	Good	<input checked="" type="checkbox"/>	Fair	<input type="checkbox"/>	Poor	<input type="checkbox"/>
					Dead	<input type="checkbox"/>

Comments:

New flare location in use
Shut down due to relocation of storm
22,150 cfm destructed

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:

No events, or very low volume. Some
discharge in closure Area #1

E. Odor Control:

Odors Present:	Onsite	<input checked="" type="checkbox"/>	Offsite	<input type="checkbox"/>
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Comments:

No off site odors
Minor odor above 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:

Litter volume very low

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
 Site roads dusty, broom in use

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"/>	#	4
Spotter:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	

Random Load Inspection Dates:

Comments:

Waste tonnages unchanged, soil loads increased for weeks and more expected

J. Rejected Loads:

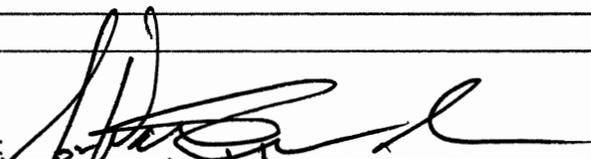
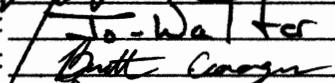
	Date/Time	Reason for Rejection
1.		
2.		
3.		
4.		None

Comments:



L. Other Comments:

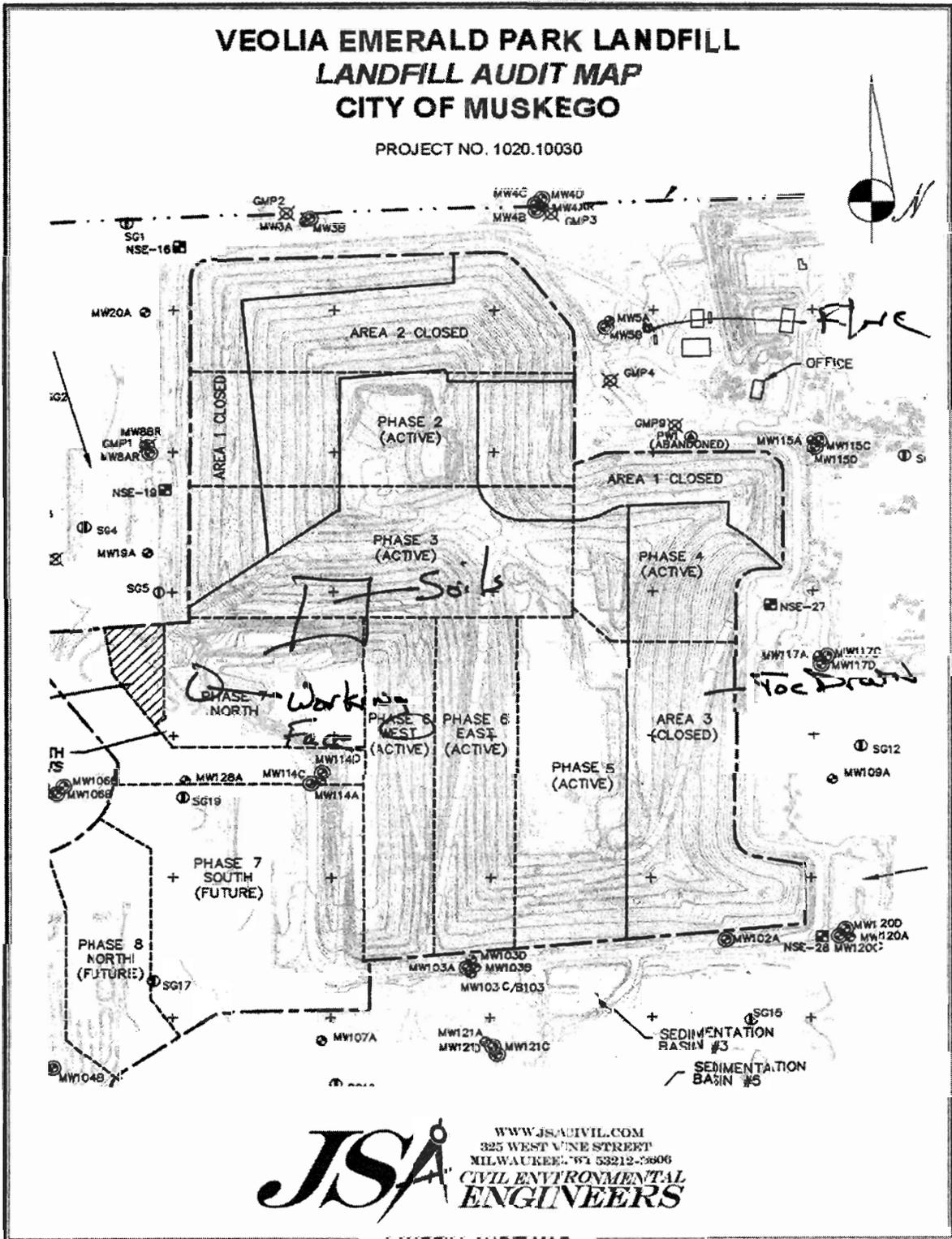
- * ~~To~~ Site Manager on equipment during audit
- * Discharge at Closure Area III from one to the drain is discolored (reddish). Veolia will test & report.
- * Gas building using one blower (as designed) and new floor location. Some systems awaiting installation

Auditor's Signature:  Date: 8/1/2012
Auditor's Printed Name: Jo-Walter Spear, Jr.
Management Signature:  Date: 5/1/12
Management Printed Name: Brett Connor
Management Title: Regional Generalist
JSA Principal Signature: _____ Date: _____



VEOLIA EMERALD PARK LANDFILL LANDFILL AUDIT MAP CITY OF MUSKEGO

PROJECT NO. 1020.10030




JSA
 WWW.JSA-CIVIL.COM
 325 WEST VINE STREET
 MILWAUKEE, WI 53212-3606
 CIVIL ENVIRONMENTAL
 ENGINEERS

LANDFILL AUDIT MAP

VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened: 3/20/2012		Updated: 4/16/2012					
Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes
1	3/20/2012	More than 1' of leachate head upon the liner of Phase 7	503.10(d)	ASAP	4/13/2012	24	Leachate ponding in new Cell, drained by pumping



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

PROJECT NO. 1012.10030



Bio soil stockpile on Phase 3



Landfill direct soil stockpile on Phase 1/2

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



West edge of Active area



Active Area, note large stockpile of Auto-fluff



Soil placement above active area



Working face at West and Southwest of Phase 7



Phase 7 Temp sed basin nearly dry



Dozer spreading landfill direct soils on slope above Phase 7



Active area viewed from the West



Active area from Northwest



Toe drain for Closure Area III, discoloration may be due to many reasons and Veolia will investigate



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 08/09/12
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of August 6, 2012. The audit was performed at 1:26 pm on **August 8, 2012** by Jo Spear Jr. in the presence of Dean Driggett

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

- Working face at west edge of Phase 7, starting a new lift
 - Soils being placed in transfer between Phase 3 & 7
 - Landfill direct soils for daily cover
- Recirculation in south 5 & 6, discharge to MMSD
- No flare shutdowns since last audit
 - New flare location in use
- No storm event since last audit
 - Possible storm today, drainage system needs cleaning
 - Washouts being repaired
- Minor gas odor at access road
- No special waste handling noted
- No litter concerns, 2 pickers active
- US45 swept yesterday, site roads clean
- Tipping scale camera and equipment operators inspecting waste
 - Random load date 8/8/12, ~ 7 tons per day
- Building for pneumatic system under construction
- Gas building construction ongoing
- Soil loads ongoing
- Wells extended for soil placement

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 8, 2012
 Auditor on site at: Open Close

TIME 1:26

WEATHER Low clouds, high humidity

WIND S-SE S-15

TEMP Maximum 79 °F Minimum 63 °F

B.P. 30.03

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>2</u>				
	<u>Excavator</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
<u>1</u>	<u>Compactor</u>		<u>✓</u>				

A. Working Face Size and Location:
Working face at West edge of Phase 7. Starting
a new lift. Soils are being placed in
transfer between Phase 3 & 7.



Cover Material:

Soils from LD jobs

B. Leachate Management:

Recirc in South s/c,
Discharge to MMST

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Blowers in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Flare use since last audit	#	∞		
Shutdowns Since Last Audit:	#	0		
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

New flare location in use.

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:

Possible storm today. Drainage system needs cleaning, washouts being repaired.

E. Odor Control:

Odors Present:

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

Comments:

Minor gas odor at access road

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 concerns

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 Swept yesterday. Site roads 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"/>	# 4
Spotter:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#
Random Load Inspection Dates: 8/8/2012					

Comments:

~ 7 tons per day

J. Rejected Loads:

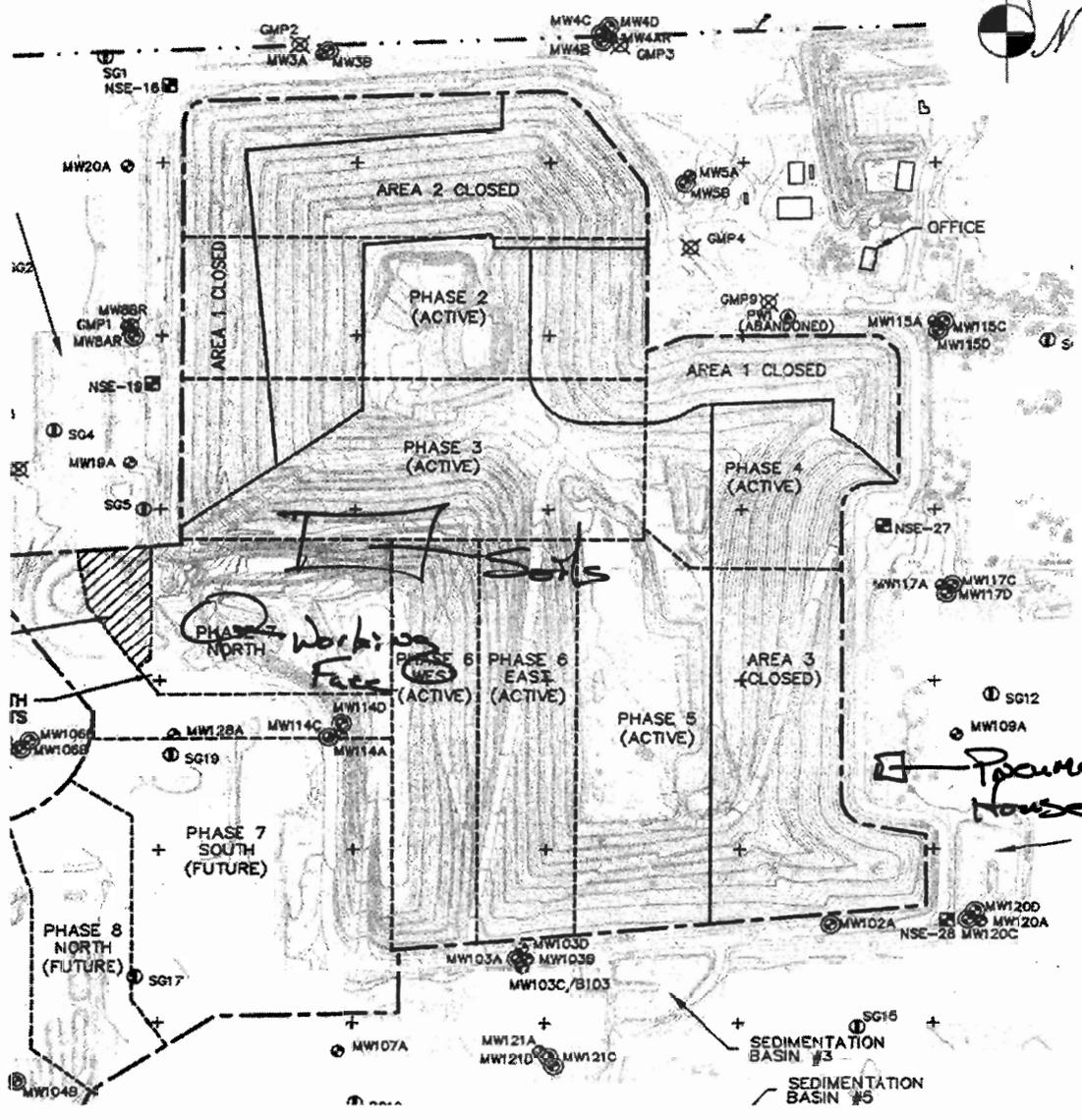
	Date/Time	Reason for Rejection
1.		None
2.		
3.		
4.		

Comments:



VEOLIA EMERALD PARK LANDFILL LANDFILL AUDIT MAP CITY OF MUSKEGO

PROJECT NO. 1020.10030



JSA
 WWW.JSA.CIVIL.COM
 325 WEST VINE STREET
 MILWAUKEE, WI 53212-3606
**CIVIL ENVIRONMENTAL
ENGINEERS**

LANDFILL AUDIT MAP

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

Date: _____
Date: _____



VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened: 3/20/2012		Updated: 4/16/2012					
Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes
1	3/20/2012	More than 1' of leachate head upon the liner of Phase 7	503.10(d)	ASAP	4/13/2012	24	Leachate ponding in new Cell, drained by pumping



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

PROJECT NO. 1012.10030



Soils above Phase 7, in Northeast corner



Soils area above Phase 7

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Active Area



Soil, Landfill direct, loads being tipped on phase 3/7 slope above Phase 7



Working face, new lift, viewed from East



Working face, new lift, viewed from West



Working face



Transition from Phase 3 to Phase 7



Working face trenched into previous lift



Gas building and new Flare location



Gas building viewed from the North



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

To: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 08/17/12
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of August 13, 2012. The audit was performed at 1:26 pm on **August 14, 2012** by JW Spear Sr. in the presence of David Geier.

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

- Working face on west side of the Phase 7, 150 x 75 feet
 - Autofluff and stockpiled soils for daily cover
- Recirculation in south 5 & 6, discharge to MMSD
- No flare shutdowns since last audit
 - Flare looks good
- Two storm event since last audit, ~1"
 - Ditches need cleaning, vegetation and silt levels impacting capacity
 - Erosion control structures appear functional
 - Perimeter road conditions good, side slopes display some rills and cracks
- No odors detected
- No special waste handling noted
- No litter concerns, 2 pickers active
- Roads clean, some dust but water truck active during visit
- Tipping scale camera and equipment operators inspecting waste
 - Random load date was last week

VEOLIA EMERALD PARK LANDFILL
LANDFILL OPERATIONS AUDIT FORM
CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE August 14, 2012
Auditor on site at: Open Close

TIME 10:55

WEATHER _____

WIND 5 mph

TEMP Maximum 77 °F Minimum 59 °F

B.P. 29.95

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
	Compactor			1	390 Terex		
	Dozer 2				D6/D8	D6	
	Excavator						
	Haul Truck						
	Water Truck			1			
	Sweeper						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance
390 T	390 Terex	✓	✓				

A. Working Face Size and Location:

West side (N.W.) of Phase F - 150x75



Cover Material:

Auto fluff - Stockpiled / soil over daily

B. Leachate Management:

Some Recirc - Wick Eplay on Active area - Pump -> MMSD

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Blowers in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Flare use since last audit	# Continuous			
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 looks good - 2^o not operating

D. Surface Water Management:

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

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

Surface water mgmt systems appear to need cleaning - vegetation & silt levels impacting capacity
Erosion Control structures appear operational
Perimeter Road condition good - side slopes display some rills and cracks

E. Odor Control:

Odors Present: Onsite Offsite

Comments: No onsite or off-site odors detected

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

N/A



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 checked="" 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.

Some dust but water truck active during visit.

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 type="checkbox"/>	N/A	0
Random Load Inspection Dates: <i>Last week</i>						

Comments:

J. Rejected Loads:

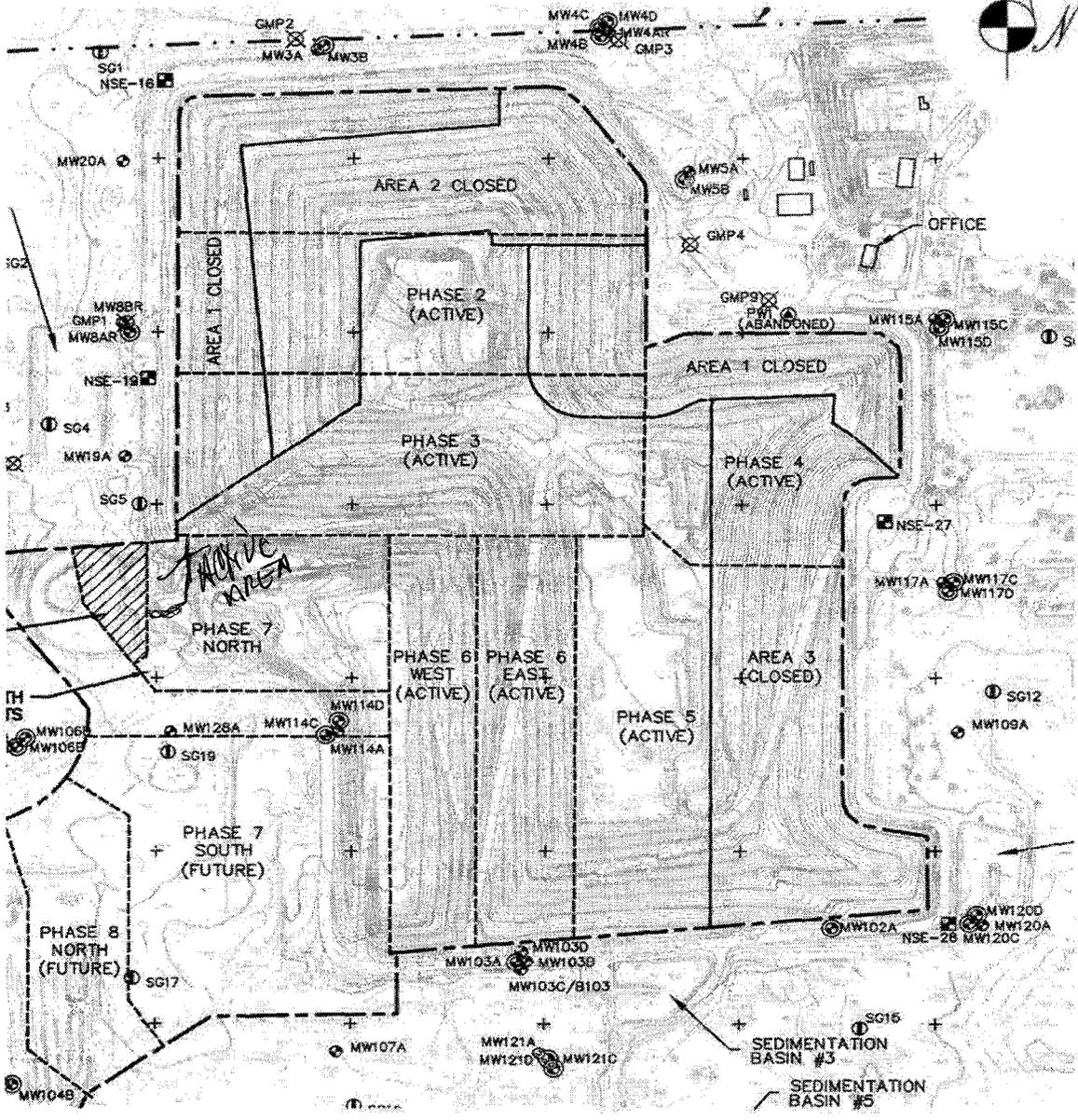
	Date/Time	Reason for Rejection
1.		
2.		<i>NONE</i>
3.		
4.		

Comments:



VEOLIA EMERALD PARK LANDFILL LANDFILL AUDIT MAP CITY OF MUSKEGO

PROJECT NO. 1020.10030




JSA
 CIVIL ENVIRONMENTAL
 ENGINEERS

WWW.JSACIVIL.COM
 325 WEST VINE STREET
 MILWAUKEE, WI 53212-3806

LANDFILL AUDIT MAP

VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened: 3/20/2012		Updated: 4/16/2012					
Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes
1	3/20/2012	More than 1' of leachate head upon the liner of Phase 7	503.10(d)	ASAP	4/13/2012	24	Leachate ponding in new Cell, drained by pumping



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

PROJECT NO. 1012.10030



Soils above Phase 7, in Northeast corner



Soils area above Phase 7

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Active Area



Soil, Landfill direct, loads being tipped on phase 3/7 slope above Phase 7



Working face, new lift, viewed from East



Working face, new lift, viewed from West



Working face



Transition from Phase 3 to Phase 7



Working face trenched into previous lift



Gas building and new Flare location



Gas building viewed from the North



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 08/28/12
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of August 20, 2012. The audit was performed at 10:00 am on **August 24, 2012** by Jo Spear Jr. in the presence of David Geier.

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

- Working face on South edge in the middle of Phase 7
 - Soil loads being tipped in the middle to flesh out Phase 5
 - Other soils tipped in Phase 7 & 3
 - Autofluff in ample supply, soils used in side slopes
- Recirculation in Phase 7
 - Discharge to MMSD, 1 tanker per week from future parkland
- No flare shutdowns since last audit
 - H₂S tanks delivered 8/23 and installed today
- One storm event since last audit, ~1"
 - Spot rains, site mostly dry
- No odors offsite
- No special waste handling noted
- Litter well controlled, pickers active
- Roads clean, some dust but water truck active during visit
- Tipping scale camera and equipment operators inspecting waste
 - Random load date 8/20/12
- Oaks onsite doing ditch cleaning with basin cleaning to follow next week
- Hydro seeder to be onsite for ditch slopes and top of Phase 5/Closure Area 3
- Site mechanic let go, replacement process started

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 24, 2012
 Auditor on site at: Open Close

TIME 10:00

WEATHER Clear Sunny, Spots of Rain

WIND N-NW 5-10

TEMP Maximum 90 °F Minimum 69 °F

B.P. 30.02

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
1	D6 Dozer	✓	✓				
1	Compactor		✓				

A. Working Face Size and Location:

Working face on South edge in the middle
of Phase 7. Soil loads being tipped
to flesh out Phase 5. Other soils tipped
in Phase 6 & 3.



Cover Material:

Auto fluff in ample supply. Soils used on side slopes

B. Leachate Management:

Recirc in phase 7 & discharge to MMSD
1 Tanker per week from future parkland

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Blowers in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Flare use since last audit	#	NA		
Shutdowns Since Last Audit:	#	NA		
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

H₂S Tanks delivered 8/23 & installed today

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:

Spst rains. Site mostly dry

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"/>	#

Comments:

Litter well 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 @ 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>8/29/2012</i>		

Comments:

~ 3,000 TPD some soils & MSW

J. Rejected Loads:

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

Comments:



L. Other Comments:

- * Oaks on site doing ditch cleaning, with Basin cleaning to follow next week.
- * Hydro seeder to be on site for ditch slopes & Top of Phase 5 / Closure Area III
- * Site Mechanic let go, Replacement process started

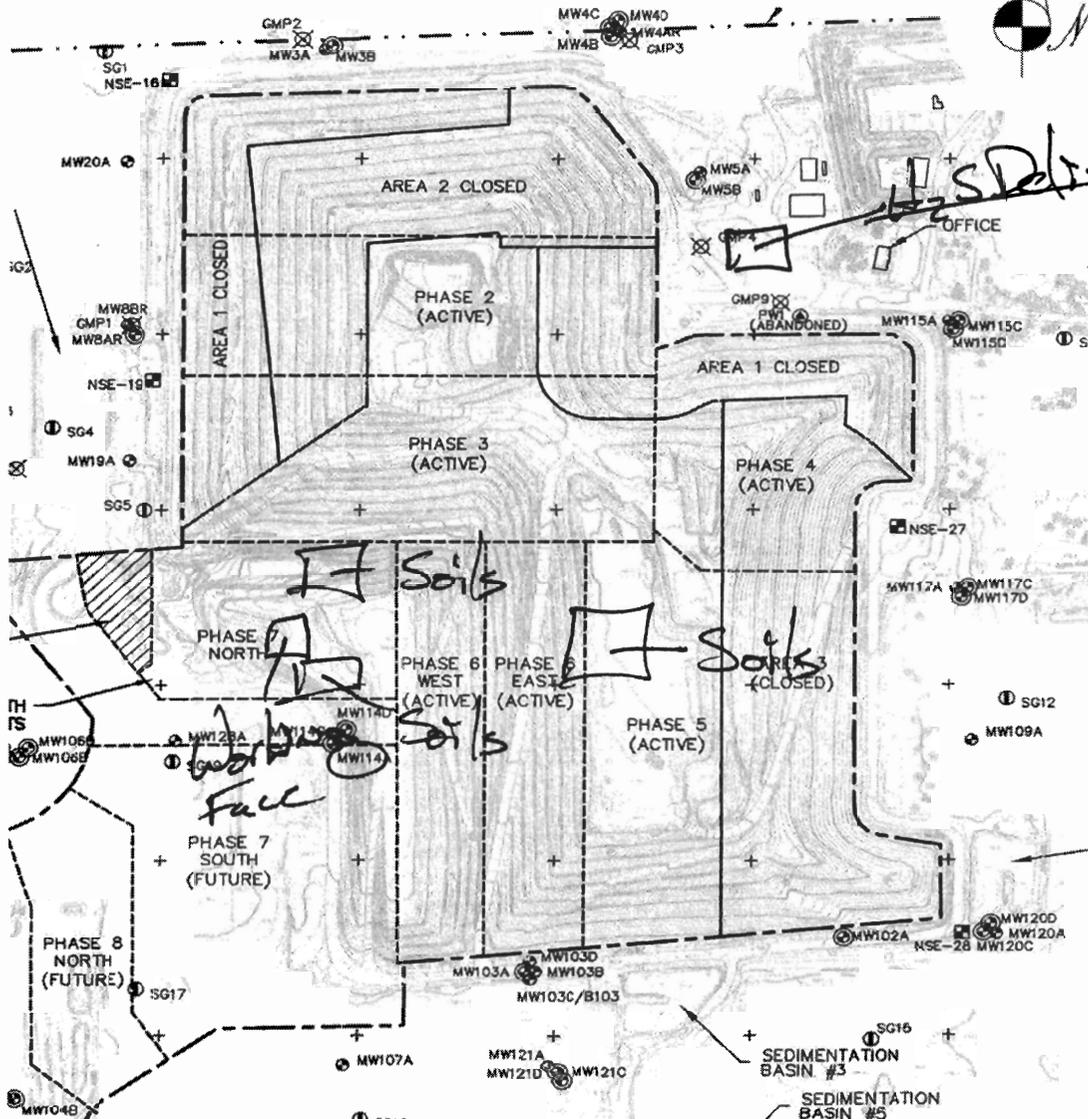
Auditor's Signature: [Signature]
Auditor's Printed Name: Jo-Walter Spear Jr
Management Signature: [Signature]
Management Printed Name: David Cozier
Management Title: Operations Manager
JSA Principal Signature: _____

Date: 8/24/12
Date: 8/24/12
Date: _____



VEOLIA EMERALD PARK LANDFILL LANDFILL AUDIT MAP CITY OF MUSKEGO

PROJECT NO. 1020.10030




JSA
 WWW.JSACIVIL.COM
 325 WEST VINE STREET
 MILWAUKEE, WI 53212-3006
**CIVIL ENVIRONMENTAL
ENGINEERS**

LANDFILL AUDIT MAP

VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened: 3/20/2012		Updated: 4/16/2012					
Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes
1	3/20/2012	More than 1' of leachate head upon the liner of Phase 7	503.10(d)	ASAP	4/13/2012	24	Leachate ponding in new Cell, drained by pumping



VEOLIA EMERALD PARK LANDFILL AUDIT PHOTOS CITY OF MUSKEGO

PROJECT NO. 1012.10030



H2S scrubber tanks receiving filter media



Filter media to be added to tanks

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Soils from ditch cleaning



Soils tipped on junction between Phases 3 & 7



Trucks tipping on top of Phase 5/6, soils only to shape grades



Autofluff stockpiles



Autofluff stockpiles



Active area



Active area



Public unload location for large loads rather than placement at working face, this is adjacent to Basin #2, South of Phase 5



New signage



Pneumatic house, will house air compressor for pneumatic pump system



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

To: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 08/30/12
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of August 27, 2012. The audit was performed at 1:40 pm on **August 29, 2012** by Jo Spear Jr. in the presence of David Geier.

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

- Working face in middle of Phase 7 receiving MSW soils
 - Soil loads being deposited along Phase 7 edges
 - Some soils in Phase 4 & 3
 - Autofluff for daily cover
- Recirculation surface application only
- Two flare shutdowns since last audit
 - One shut down due to low temp, ½ hour shut down, one for gas plant connections
- No storm event since last audit,
 - Basins to be cleaned this week by Oaks
- Minor odor from truck traffic
- No special waste handling noted
- Site litter under control, 2 pickers active
- US 45 and 8 Mile Road dusty
- Tipping scale camera and equipment operators inspecting waste
 - Random load date 8/24/12, ~4902 TPD soils and MSW
- Gas header shutdown at south end for repair and maintenance
- New scale operator
- Gas system repairs will be ongoing
- Mowing and seeding being done 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 August 29, 2012 TIME 1:40
 Auditor on site at: Open Close

WEATHER Clear, Sunny, Humid WIND N-N S-13

TEMP Maximum 88 °F Minimum 68 °F B.P. 30.60

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
1	Recompactor		✓				

A. Working Face Size and Location:

Working face in middle of Phase 7
recycling MSW. Soils being deposited
about Phase 7 edges. Some soils
in Phases 3 & 4



Cover Material:

Autofluh

B. Leachate Management:

Receive ~~subgrade~~ surface application only

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Blowers in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Flare use since last audit	#		NA	
Shutdowns Since Last Audit:	#		2	
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

21,700 cfw

One shut down due to low temp. 0.5 hour shutdown
One shut down for Gas plant connections

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 to be cleaned this week
by Oaks

E. Odor Control:

Odors Present:

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

Comments:

Minor odor from truck traffic

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:

Site 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 Mile 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"/>	#
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#
Random Load Inspection Dates:	8/24/2012		

Comments:

~ 7,902 TPD soils & MSW

J. Rejected Loads:

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

Comments:



L. Other Comments:

- * Gas header shutdown at south end for repair & maintenance
- * New scale operator
- * Gas system repairs will be on going throughout week
- * Mowing & hydro seeding being done this week

Auditor's Signature: _____

Auditor's Printed Name: _____

Management Signature: _____

Management Printed Name: _____

Management Title: _____

JSA Principal Signature: _____

[Handwritten Signature]
Jo-Kal Talpalar, Jr
[Handwritten Signature]
David Geier
Operation Manager

Date: 8/29/12

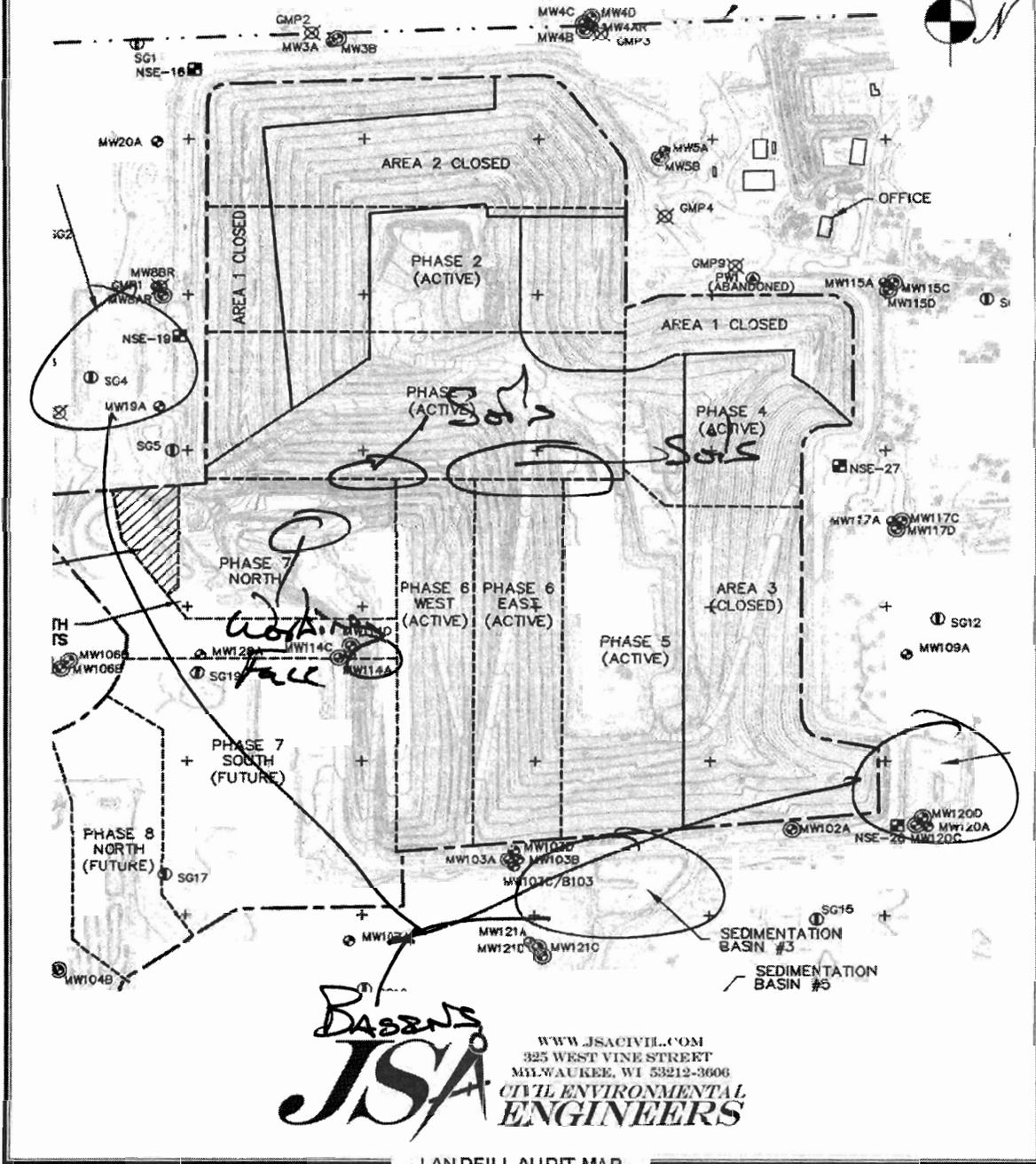
Date: 8/29/12

Date: _____



VEOLIA EMERALD PARK LANDFILL LANDFILL AUDIT MAP CITY OF MUSKEGO

PROJECT NO. 1020.10030



**Basens
JSA
CIVIL ENVIRONMENTAL
ENGINEERS**

WWW.JSACIVIL.COM
325 WEST VINE STREET
MILWAUKEE, WI 53212-3606

LANDFILL AUDIT MAP

VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened: 3/20/2012		Updated: 4/16/2012					
Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes
1	3/20/2012	More than 1' of leachate head upon the liner of Phase 7	503.10(d)	ASAP	4/13/2012	24	Leachate ponding in new Cell, drained by pumping



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

PROJECT NO. 1012.10030



Gas line being checked for leaks



Working face

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Working face with equipment



Temp Sed. Basins about Phase 8



West slope of Phase 8



Autofluff Stockpile in active area



**Advanced
Disposal**

September



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 09/07/12
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of September 3, 2012. The audit was performed at 1:45 pm on **September 6, 2012** by Jo Spear Jr. in the presence of David Geier.

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

- Working face east of phase 7 center
 - Waste being pushed up from the east
 - Autofluff stockpiled at west edge of phase 7
 - Soils being placed in junction between Phase 7 and 3/4/5
 - Autofluff for daily cover
- No recirculation, some pumping to MMSD
- No flare shutdowns since last audit
 - Conference room in gas house, furniture in Dean's office
- Two storm events since last audit, ~1"
 - Basins wet from storms. Basin #2 cleaned
 - Basin 1 & 3 scheduled for cleaning when they are dry
- No odors noted
- No special waste handling noted
- Minor litter onsite, 2 pickers active
- US 45 and 8 Mile Road clean, site roads dusty
- Tipping scale camera and equipment operators inspecting waste
 - Random load date 8/24/12, ~3000 TPD
- Phase 5 above closure Area 3 backdragged with slope restoration
- H₂S filters connected to gas building and online
- Some rills in closure area 3, reseeding to be done in fall

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 6, 2012
Auditor on site at: Open Close

TIME 1:45

WEATHER Clear, Sunny

WIND N-NW 0-10

TEMP Maximum 80 °F Minimum 64 °F

B.P. 29.93

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						
<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 East of Phase 7 center
Waste being pushed up from the
East. Autoluff stock pile at
West edge of Phase 7.
Soils being placed in junction
between Phase 3, 4, 5.



Cover Material:

Autofluff

B. Leachate Management:

No recirc, some pumping to MMSP

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	
Blowers in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	
Flare use since last audit	#	NA		
Shutdowns Since Last Audit:	#	NA		
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Conference room in gas house, furniture in Dean's new office

D. Surface Water Management:

Storm Events Since Last # 2 Est. Volume 2/11

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

Basins wet from storms. Basin #2 cleaned. Basins 1 & 3 scheduled for when Basins are dry

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"/>	# 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. Dusty, 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: 8/24/2012				

Comments:

 2,3,000 TPD

J. Rejected Loads:

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

Comments:



L. Other Comments:

- * These 5 above closure area ~~are~~ backdragged with slope restoration.
- * H₂S filters connected to gas building and online
- * Some pits in Closure Area III, reseeding to be done this fall

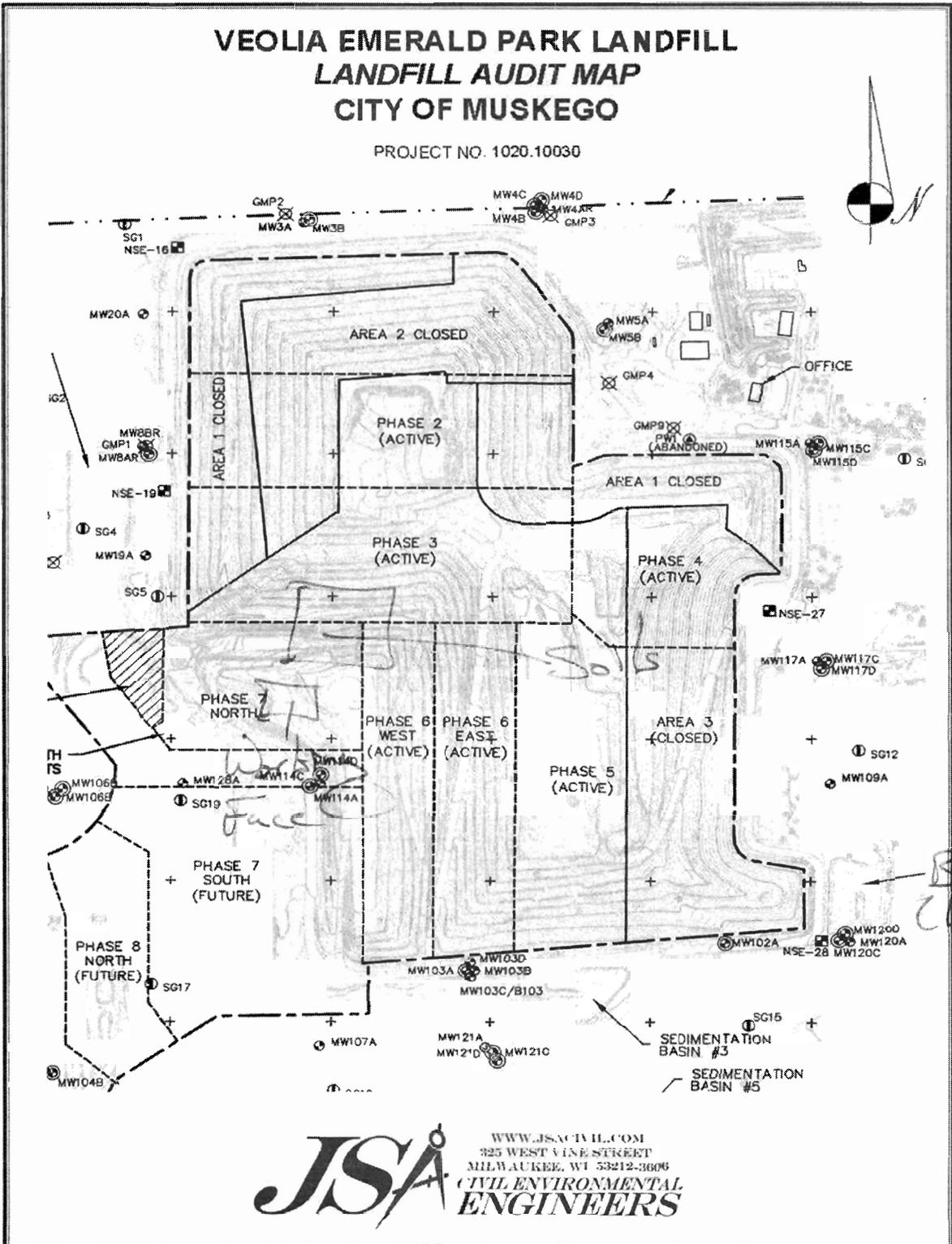
Auditor's Signature: [Signature]
Auditor's Printed Name: J. Wilcox, Jr.
Management Signature: [Signature]
Management Printed Name: David Carrier
Management Title: Operations Manager
JSA Principal Signature: _____

Date: 9/6/2012
Date: 9-6-2012
Date: _____



VEOLIA EMERALD PARK LANDFILL LANDFILL AUDIT MAP CITY OF MUSKEGO

PROJECT NO. 1020.10030




JSA
 WWW.JSA.CIVIL.COM
 325 WEST VINE STREET
 MILWAUKEE, WI 53212-3606
**CIVIL ENVIRONMENTAL
ENGINEERS**

LANDFILL AUDIT MAP

VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened: 3/20/2012		Updated: 4/16/2012					
Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes
1	3/20/2012	More than 1' of leachate head upon the liner of Phase 7	503.10(d)	ASAP	4/13/2012	24	Leachate ponding in new Cell, drained by pumping

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

PROJECT NO. 1012.10030



Soils tipped and placed above Phase 7



New Access road to Phase 7 under construction, note the use of load sharing fabric.

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Working face with equipment



Temp Sed. Basins about 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: 09/07/12
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of September 10, 2012. The audit was performed at 11:30 am on **September 14, 2012** by Jo Spear Jr. in the presence of David Geier.

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

- Working face for MSW in Phase 7; selected MSW being used for equipment access to NW corner of Phase 7
 - Soil loads being tipped on slope above Phase 7
 - Autofluff in abundance in Phase 7
- Surface application in Phase 7 and discharge to MMSD
- No flare shutdowns since last audit
 - ~2400 cfm – Gas building awaiting one last skid
- One storm events since last audit, ~1”
 - Basin 2 clean, basin 1 half clean
- No odors noted
- No special waste handling noted
- Litter well controlled, 2 pickers active
- US 45 and 8 Mile Road clean, site roads dusty
- Tipping scale camera and equipment operators inspecting waste
 - Random load date 9/14/12, ~3400 TPD
- Basin cleaning to continue for basins 3 & 1
- No contractor activity this week
- Gas system testing extended to Phase 6 and ongoing leak discovered in southwest corner 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 September 14, 2012
 Auditor on site at: Open Close

TIME 11:30

WEATHER Clear Sunny, Some Clouds

WIND N-W 5-10

TEMP Maximum 71 °F Minimum 47 °F

B.P. 30.33

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>Grader</u>						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face for MSW in Phase 7.
Selected MSW being used for
equipment access to NW corner of
Phase 7.
Soil loads being tipped on slope
above Phase 7



Cover Material:

Autofluff is abundant in Phase 7

B. Leachate Management:

Surface application in Phase 7
Discharge to AMSD

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Blowers in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Flare use since last audit	# 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:

~ 2,400 cfm - Gas Building awaiting one last skid

D. Surface Water Management:

Storm Events Since Last	# 1	Est. Volume	2.11
-------------------------	-----	-------------	------

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

Basin 2 clean Basin 1 half clean

E. Odor Control:

Odors Present: Onsite Offsite

Comments: No offsite odor

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 well 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 1/8 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:	9/14/2012			

Comments:

~ 3,400 TPD

J. Rejected Loads:

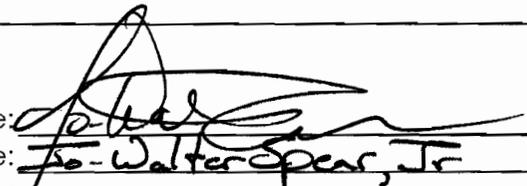
	Date/Time	Reason for Rejection
1.		
2.		
3.		None
4.		

Comments:



L. Other Comments:

* Basis cleaning to continue for Basis 3 & 1
* No contractor activity today
* Gas system testing extended to Phase 6
and oxygen leak discovered in southwest
corner of Phase 6

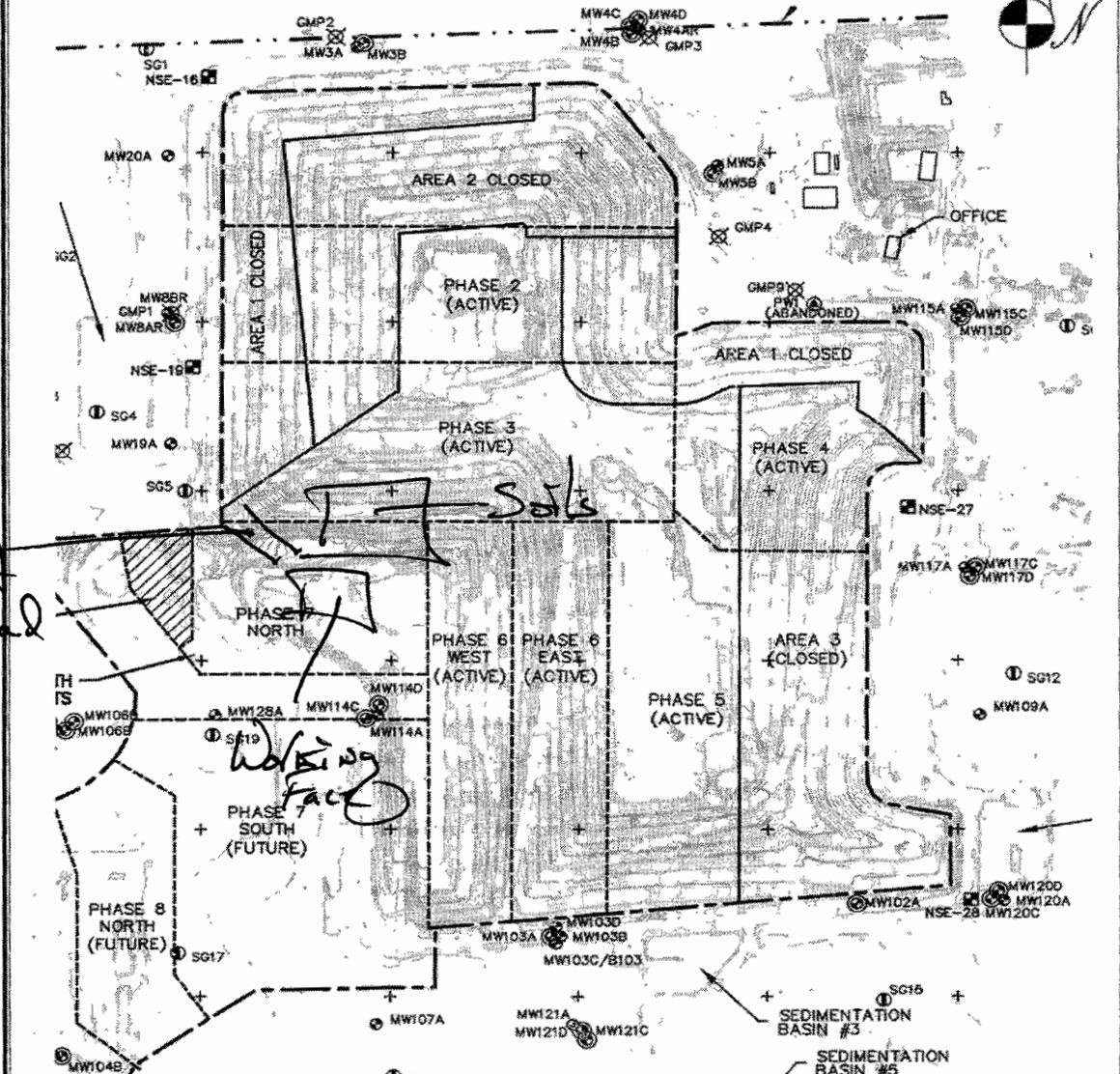
Auditor's Signature: 
Auditor's Printed Name: Jo-Walter Spear, Jr
Management Signature: _____
Management Printed Name: _____
Management Title: _____
JSA Principal Signature: _____

Date: 9/14/2012
Date: _____
Date: _____



VEOLIA EMERALD PARK LANDFILL LANDFILL AUDIT MAP CITY OF MUSKEGO

PROJECT NO. 1020.10030



New Equipment Access road

Sols

Working Face



 WWW.JSACIVIL.COM
 325 WEST VINE STREET
 MILWAUKEE, WI 53212-3606
CIVIL ENVIRONMENTAL ENGINEERS

LANDFILL AUDIT MAP

VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened: 3/20/2012		Updated: 4/16/2012					
Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes
1	3/20/2012	More than 1' of leachate head upon the liner of Phase 7	503.10(d)	ASAP	4/13/2012	24	Leachate ponding in new Cell, drained by pumping



VEOLIA EMERALD PARK LANDFILL AUDIT PHOTOS CITY OF MUSKEGO

PROJECT NO. 1012.10030



Soils being placed above active area on slope of Phase 3



Dusty load being tipped at working face.

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Active area with new equipment access road



Temp Sed. Basins about Phase 7



Temp sed basin with adequate freeboard



Basin 3 being cleaned



Basin 3 being cleaned



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 09/24/12
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of September 17, 2012. The audit was performed at 6:35 am on **September 21, 2012** 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 east end of phase 7
 - Soils being tipped on slope above and north of Phase 7
 - Autofluff and some soils for daily cover
- Discharge to MMSD
- No flare shutdowns since last audit
 - Gas building construction and programming ongoing
- Two storm events since last audit, ~1"
 - Basin cleaning ongoing
- No odors noted
- No special waste handling noted
- Pickers operating residential drop-off, 2 pickers active
- US 45 and 8 Mile Road clean, site roads clean
- Tipping scale camera and equipment operators inspecting waste
 - Random load date not noted, ~3000 TPD
 - Mixture of site soils and MSW
- No vehicles on approach prior to 6:45 am, 3 vehicles by 7:00 am
- Gas line back fill repairs along south side completed

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 21, 2012 TIME 6:35
Auditor on site at: Open Close

WEATHER Clearing Clouds, Possible rain WIND W 0-5
TEMP Maximum 64 °F Minimum 44 °F B.P. 30.33

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

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

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face in East edge of Phase 7. Soils still being tipped on slope above and North of Phase 7



Cover Material:

Autofluff of Some 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
Blowers in Operation:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	1
Flare use since last audit			#	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:

Gas building construction & programming ongoing

D. Surface Water Management:

Storm Events Since Last	#	2	Est. Volume	274
-------------------------	---	---	-------------	-----

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

Basin cleanings on going

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

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 operating Resi Drop Off

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

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"/>	#	
Spotter:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:						

Comments:

~ 3000 TPD

Mixture of soils & MSW

J. Rejected Loads:

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

Comments:



L. Other Comments:

* No Vehicles on approach aprons prior to 6:45
3 Vehicles by 7:00

* Gas line & back fill repairs along South side completed.

Auditor's Signature:

Auditor's Printed Name:

Tom Walter Spear Jr

Management Signature:

Management Printed Name:

DEAN DRIGGETT

Management Title:

ENVIRONMENTAL MGR

JSA Principal Signature:

Date:

9/21/2012

Date:

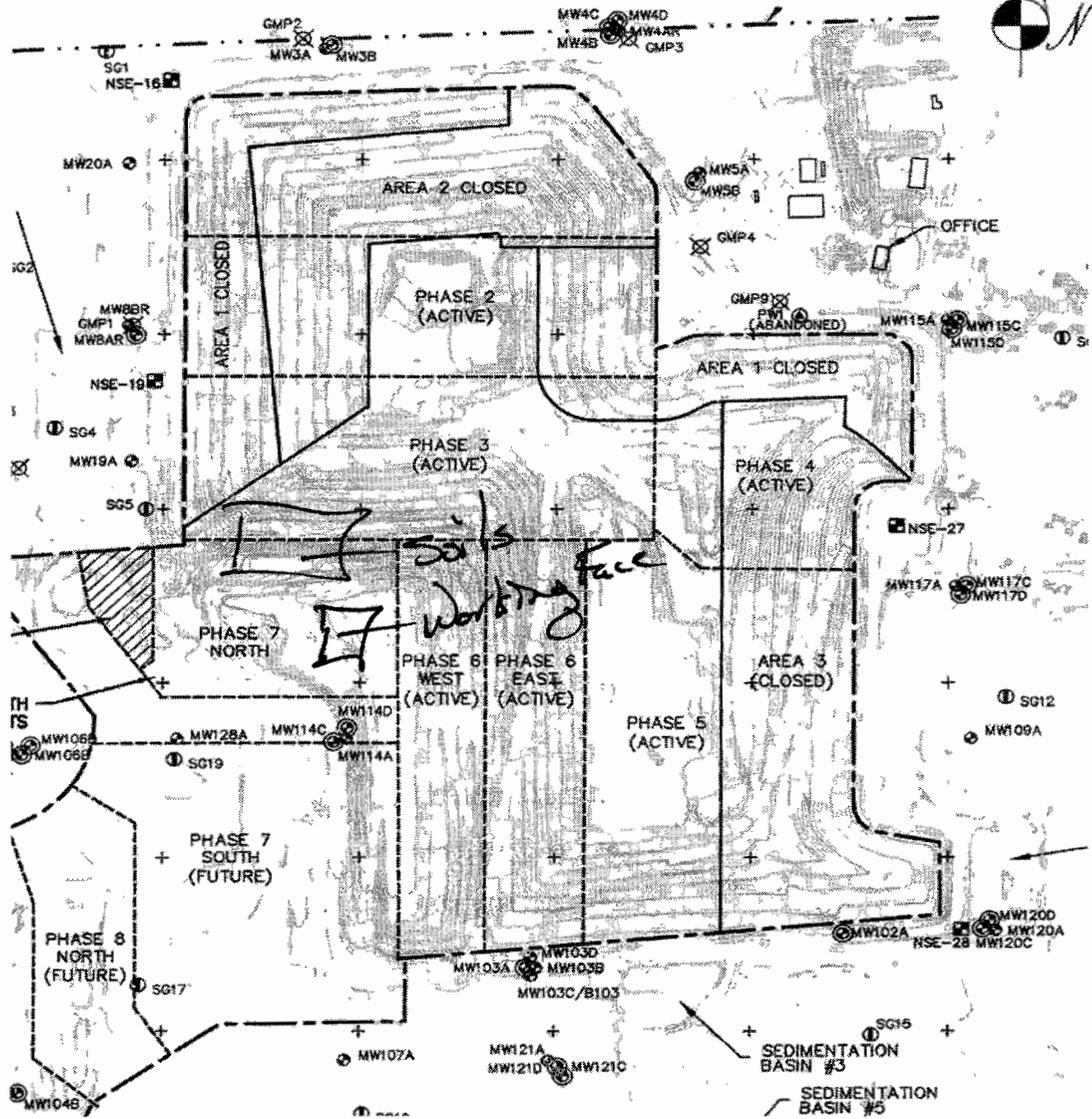
9/21/2012

Date:



VEOLIA EMERALD PARK LANDFILL LANDFILL AUDIT MAP CITY OF MUSKEGO

PROJECT NO. 1020.10030




JSA
 WWW.JSACIVIL.COM
 325 WEST VINE STREET
 MILWAUKEE, WI 53212-3606
**CIVIL ENVIRONMENTAL
ENGINEERS**

LANDFILL AUDIT MAP

VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened: 3/20/2012		Updated: 4/16/2012					
Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes
1	3/20/2012	More than 1' of leachate head upon the liner of Phase 7	503.10(d)	ASAP	4/13/2012	24	Leachate ponding in new Cell, drained by pumping

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

PROJECT NO. 1012.10030



Basin #1, to be cleaned last



Temp basin South of Phase 7, plenty of free board

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Active area



Soils being removed around well head



Slope expanded with soils



Compactor working waste



Working face in West portion of Phase 7



Access road construction for equipment to approach working face from the Northwest



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 09/27/12
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of September 24, 2012. The audit was performed at 11:13 am on **September 26, 2012** 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 junction between Phase 6 & 7
 - Soil being removed, waste placed and covered
 - Soil volumes dropping off with projects
 - Autofluff and soils for daily cover
- Surface application in Phase 7 and discharge to MMSD
- One flare shut down for maintenance
 - ~2300 cfm – Gas building awaiting glycol skid
- No storm events since last audit,
 - Basin 3 partially clean
- No offsite odors
- No special waste handling noted
- Litter well controlled, 2 pickers active, picked up to 8 Mile Road
- US 45 and 8 Mile Road clean, entrance area dusty
- Tipping scale camera and equipment operators inspecting waste
 - Random load date not noted, ~2500 TPD
- Basin cleaning awaiting contractor
- Ditches to be hydro seeded
- Gas repairs backfilled in Phase 5 & 6
- Recirculation lines to be placed in Phase 7 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 September 26, 2012
Auditor on site at: Open Close

TIME 11:13

WEATHER Clear Sunny, Some Clouds

WIND N 0-5 gusty

TEMP Maximum 67 °F Minimum 42 °F

B.P. 30.05

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

A. Working Face Size and Location:

Working face is junction between Phase 6 & 7. Soil being removed, waste placed and covered.
Soil volumes dropping off with projects



Cover Material:

Autoflyff & Soil

B. Leachate Management:

Surface applications & Discharge to MMSD

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Blowers in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Flare use since last audit	# 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:

Gas building awaiting glycol skid
Shutdowns for Maintenance 2, 300cfm

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 3 partially cleaned

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 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 well controlled
Litter picked up to 3 Mile

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 entrance area gully

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:

~ 2,500 TPD mixed soils & MSW

J. Rejected Loads:

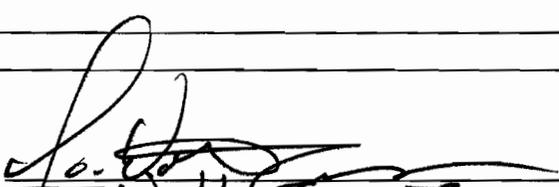
	Date/Time	Reason for Rejection
1.		
2.		
3.		
4.		None

Comments:

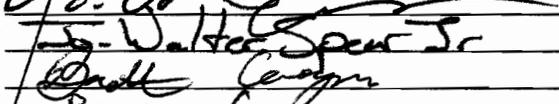


L. Other Comments:

- * Basin cleaning awaiting contractor
- * Ditches to be hydroseeded
- * Gas reports backfilled in Phase 5 & 6
- * Recirc lines to be placed in Phase 7 next week

Auditor's Signature: 

Auditor's Printed Name: J. Walter Spear Jr

Management Signature: 

Management Printed Name: Brett Cooper

Management Title: Region Engineer

JSA Principal Signature: _____

Date: 9/26/2012

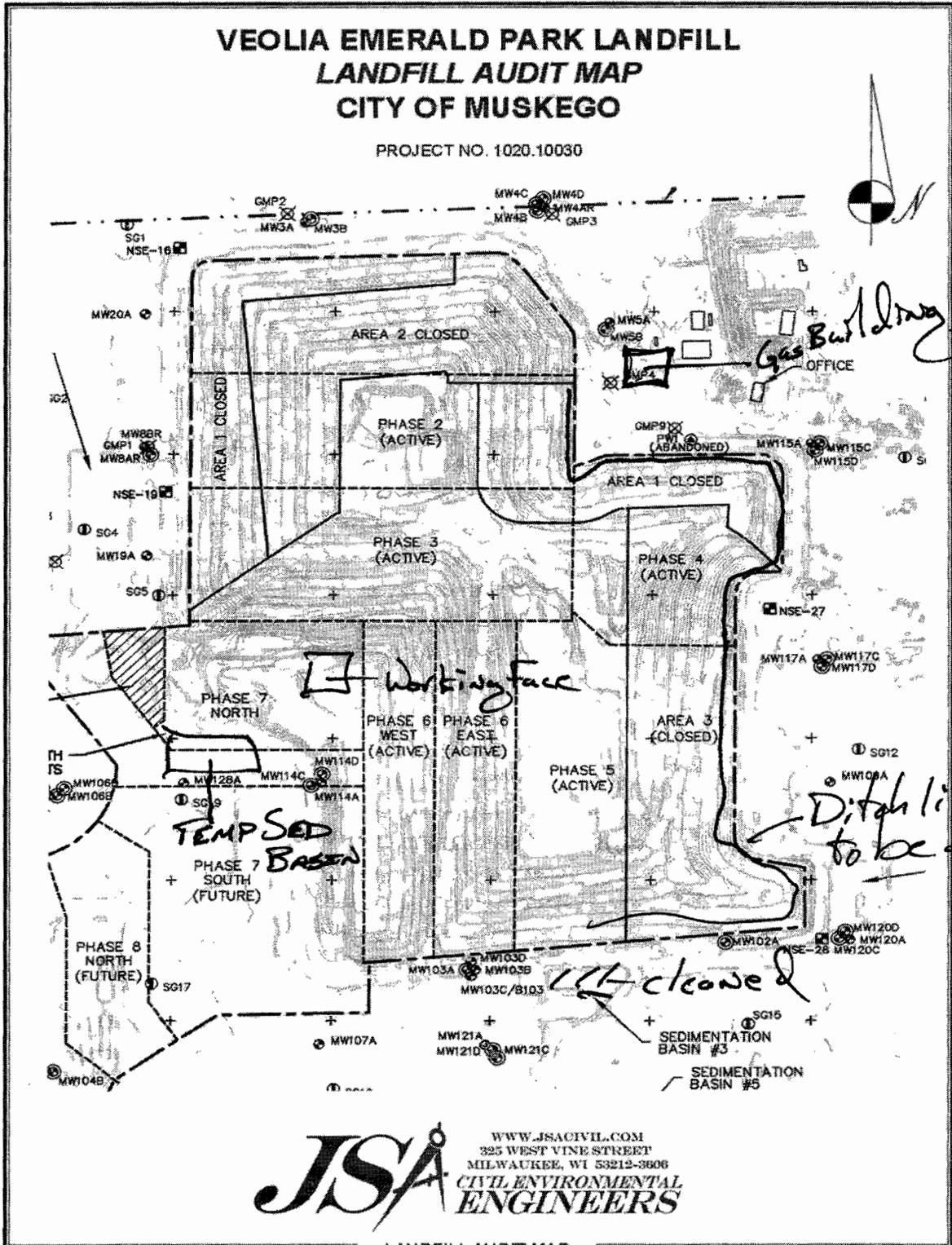
Date: 9/26/2012

Date: _____



VEOLIA EMERALD PARK LANDFILL LANDFILL AUDIT MAP CITY OF MUSKEGO

PROJECT NO. 1020.10030



JSA
WWW.JSACIVIL.COM
325 WEST VINE STREET
MILWAUKEE, WI 53212-3606
CIVIL ENVIRONMENTAL
ENGINEERS

LANDFILL AUDIT MAP

VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened: 3/20/2012		Updated: 4/16/2012					
Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes
1	3/20/2012	More than 1' of leachate head upon the liner of Phase 7	503.10(d)	ASAP	4/13/2012	24	Leachate ponding in new Cell, drained by pumping

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

PROJECT NO. 1012.10030



South slope of Phase 5 & 6, greening after gas repairs



Backfilled gas repairs to be hydroseeded with ditches

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Active Area



Stock piled soils



Stockpiled soils for intermediate cover on West slope of Phase 6



Working face viewed from Northeast



Stock piled autofluff and autofluff being tipped



Soil excavation to be used for intermediate cover on Phase 6



Working face



Temp Sed basin with some ponding areas



West and South slope of Phase 7 with intermediate cover



Temp Sed. Basin South of Phase 7



**Advanced
Disposal**

October



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

To: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 10/06/12
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of October 1, 2012. The audit was performed at 11:30 am on **October 4, 2012** by Jo Spear Jr. in the presence of David Geier.

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

- Working face at north edge of phase 7; soils being tipped on top of phase 3
 - Leachate lines for recirc. and future gas extraction being placed in Phase 7
 - Autofluff in ample supply
- Surface application and discharge to MMSD
- One flare shut down since last audit
 - ~2300 cfm – Still waiting on Glycol unit, one shut down to drain condensate
- No storm events since last audit,
 - Basins still awaiting cleaning
- No odors on or about site
- No special waste handling noted
- Office paper on both sides of US 45, 2 pickers active
- US 45 and 8 Mile Road clean and dry, entrance area dusty
- Tipping scale camera and equipment operators inspecting waste
 - Random load date 9/30/12, ~1300 TPD Very low soil volumes
- Mueller excavating and installing lines for recirculation and gas extraction
- Seeding and slope repairs to be redone 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 October 4, 2012
Auditor on site at: Open Close

TIME 12:25

WEATHER Clear Sunny

WIND South 10-20

TEMP Maximum 75 °F Minimum 39 °F

B.P. 29.99

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
1	Dozer						
1	Excavator						
1	Haul Truck						
1	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 North edge of Phase 7
Soils being tipped on top of Phase 3
Leachate lines for recirculation and
future gas extraction being placed
in Phase 7



Cover Material:

Autofluff in ample supply

B. Leachate Management:

Some surface applications
Discharge to MMSD

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	1
Blowers in Operation:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	1
Flare use since last audit			#	NA		
Shutdowns Since Last Audit:			#	1		
Vegetation Condition:	Good	<input checked="" type="checkbox"/>	Fair	<input type="checkbox"/>	Poor	<input type="checkbox"/>
			Dead	<input type="checkbox"/>		

Comments:

Glycol unit still waiting
Shutdown for condensate draining

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 still awaiting cleaning

E. Odor Control:

Odors Present: Onsite Offsite

Comments: No odors on or 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 checked="" type="checkbox"/>	NO <input type="checkbox"/>	
Pickers Active:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	# 2

Comments:

Office paper on Both Sides of US 45

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 Clean and dry
Site roads 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:	9/30/2012		

Comments:

~ 1,300 TPD - Very low soil volumes

J. Rejected Loads:

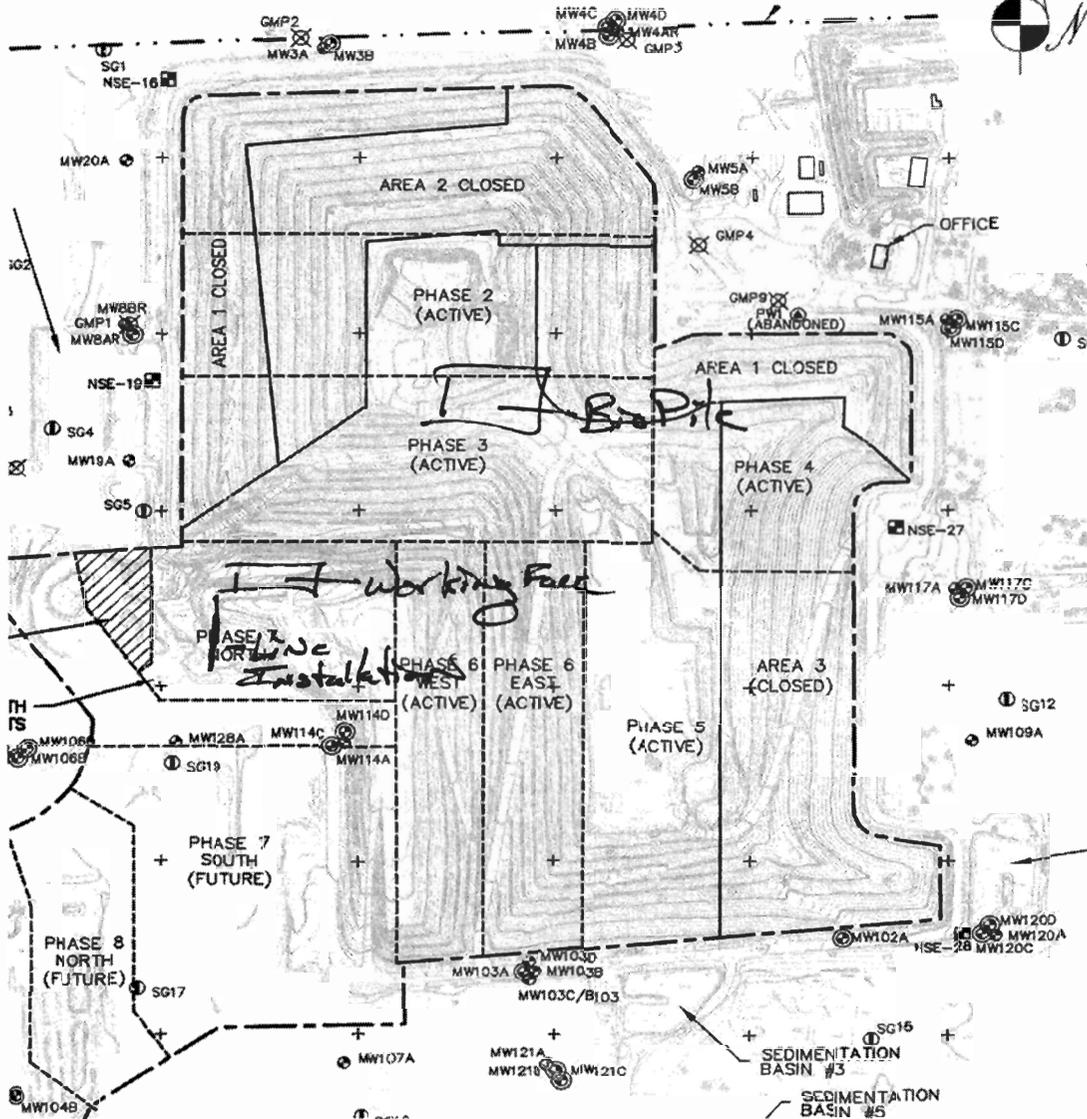
	Date/Time	Reason for Rejection
1.		
2.		
3.		None
4.		

Comments:



VEOLIA EMERALD PARK LANDFILL LANDFILL AUDIT MAP CITY OF MUSKEGO

PROJECT NO. 1020.10030




JSA
 WWW.JSACIVIL.COM
 325 WEST VINE STREET
 MILWAUKEE, WI 53212-3606
**CIVIL ENVIRONMENTAL
ENGINEERS**

LANDFILL AUDIT MAP

VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened: 3/20/2012		Updated: 4/16/2012					
Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes
1	3/20/2012	More than 1' of leachate head upon the liner of Phase 7	503.10(d)	ASAP	4/13/2012	24	Leachate ponding in new Cell, drained by pumping



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

PROJECT NO. 1012.10030



Regraded, and added cover, slope of Phase 6



Regraded, and added cover, slope of Phase 6

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Bio soil pile in Phase 3



Working face



Active Area



Trenching for placement of leachate recirculation lines



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

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

FROM: Anna Krajcik

COPIES: File

DATE:

PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of October 8, 2012. The audit was performed at 10:55 am on **October 12, 2012** by Jo Spear Jr. in the presence of David Geier.

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

- Working face for MSW in northwest corner of Phase 7
 - Soil being tipped today used as cover
 - Bio soils being tipped on landfill direct soils in Phase 3
 - Soils being used today, autofluff stockpiled
- Discharge to MMSD, new recirculation lines being connected
- One flare shut down for maintenance
 - Gas building awaiting glycol skid
- No storm events since last audit,
 - May rain today or the coming weekend; basins awaiting cleaning when excavator on site
- No on or off site odors
- No special waste handling noted
- No litter issues, 1 pickers active
- US 45 and 8 Mile Road clean and clear
- Tipping scale camera and equipment operators inspecting waste
 - Random load date 10/05/12, ~2700 TPD
- Leachate recirculation lines installed last week; connections to vaults during audits
- Construction gate open for seeding crew
- Seeding ongoing over and above closure area 3
 - Portions of phase 6 west slope and north slopes ~9 acres
 - Clay backhaul to soil sites

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, 2012 TIME 10:55
Auditor on site at: Open Close

WEATHER Clear w/ Clouds & Sun WIND Nil

TEMP Maximum 48 °F Minimum 36 °F B.P. 30.43

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 for MSW in Northeast corner of Phase 7. Soils being tipped today being used as cover. Bio Soils being tipped on landfill. Direct soils in Phase 3



Cover Material:

Soils being used today, auto fluff
stock pile

B. Leachate Management:

Discharge to MMSD
New recirc lines being connected

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Blowers in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Flare use since last audit	#		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:

Still awaiting Glycol Skid

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:

May rain today or this coming weekend
Basins awaiting cleaning, when excavator
available at site

E. Odor Control:

Odors Present: Onsite Offsite

Comments: No offsite 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 type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Pickers Active:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	# 1

Comments:

No 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 clear and 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"/>	#	NA
Random Load Inspection Dates:	October 5, 2012			

Comments:

2 2, 700 TPD Soils & MSW

J. Rejected Loads:

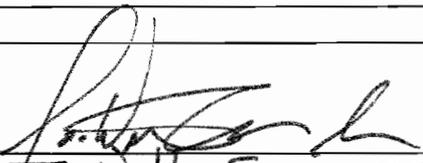
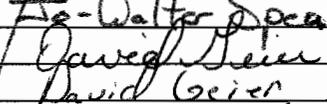
	Date/Time	Reason for Rejection
1.		
2.		
3.		
4.		None

Comments:



L. Other Comments:

- * Leachate recirculation lines installed last week connections to vaults during audits
- * Construction gets open for seeding crew
- * Seeding ongoing over and above closure areas portions of Phase 6 West slope and North slopes ~ 9 Acres
- * Clay backfill to soil sites

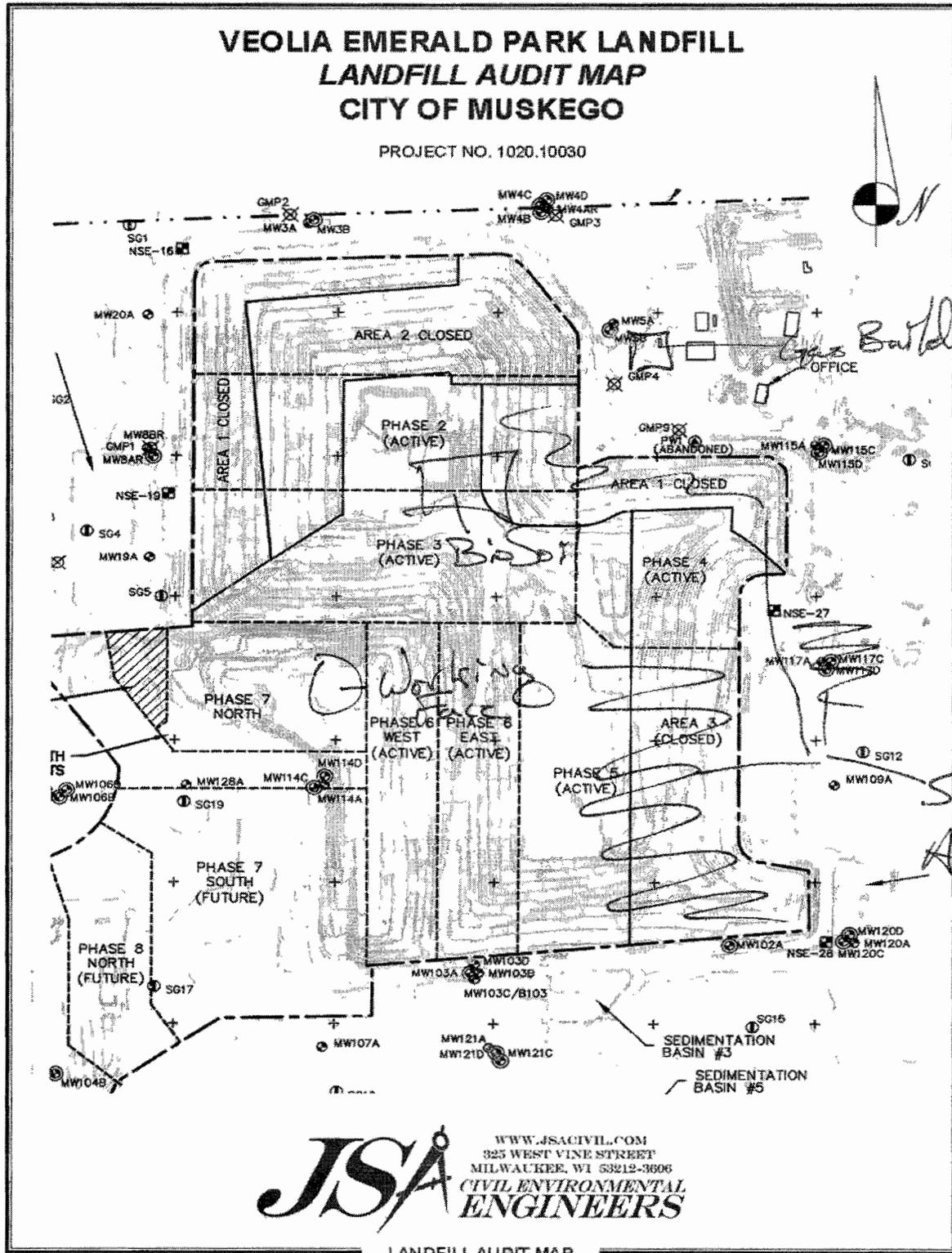
Auditor's Signature: 
Auditor's Printed Name: Sig-Walter Spear, Jr.
Management Signature: 
Management Printed Name: David Geier
Management Title: Operations Manager
JSA Principal Signature: _____

Date: 10/12/2012
Date: 10/12/2012
Date: _____



VEOLIA EMERALD PARK LANDFILL LANDFILL AUDIT MAP CITY OF MUSKEGO

PROJECT NO. 1020.10030




JSA
 WWW.JSACIVIL.COM
 325 WEST VINE STREET
 MILWAUKEE, WI 53212-3606
 CIVIL ENVIRONMENTAL
 ENGINEERS

LANDFILL AUDIT MAP

VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened: 3/20/2012		Updated: 4/16/2012					
Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes
1	3/20/2012	More than 1' of leachate head upon the liner of Phase 7	503.10(d)	ASAP	4/13/2012	24	Leachate ponding in new Cell, drained by pumping



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

PROJECT NO. 1012.10030



Biosoil, piled above landfill direct soils



Dozer moving soils

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Working face



Active area



Dozer spreading soil cover



Temp Sed Bain drained prior to potential rain events.



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 09/27/12
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of October 15, 2012. The audit was performed at 10:35 am on **October 17, 2012** by Jo Spear Jr. in the presence of Dean Driggett.

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

- Working face for MSW in middle of Phase 7
 - Loads of landfill direct soils being tipped above phase 7
 - Bio soils being tipped in Phase 2 & 3
 - Autofluff and soils being used for cover
- Discharge to MMSD
- One flare and one blower in operation
 - ~2400 cfm of gas being destructed
- Two storm events since last audit, <1”
 - Basins have plenty of free board, ditches are clean
- No on or off site odors
- No special waste handling noted
- No litter issues, 2 pickers active
- US 45 and 8 Mile Road clean, site roads wetted during audit
- Tipping scale camera and equipment operators inspecting waste
 - Random load date not noted, ~3000 TPD
 - Clay backhaul going out
- Basin cleaning started again, nearly completed
- Seeding finished for slopes, greening already apparent
- Glycol skid not present at this time
- Leachate recirculation lines connected to header

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 17, 2012 TIME 10:35
Auditor on site at: Open Close

WEATHER clouds, but sunny rain expected WIND S-SW 10-20
TEMP Maximum 69 °F Minimum 47 °F B.P. 29.48

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 in Phase 7, middle of
the Phase. Soil loads of landfill direct
soil being tipped ~~in~~ above Phase 7
Bio soils being tipped in 2/8



Cover Material:

Auto-flocc & Soils used for cover

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
Blowers in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Flare use since last audit	#		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:

~ 2,400 cfm of gas being destructed

D. Surface Water Management:

Storm Events Since Last	# 2	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
ditches are clean

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

No offsite 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 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 + 8 Mile Road Clean

Site roads wetted 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"/>	#	
Spotter:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	0
Random Load Inspection Dates:						

Comments:

~ 3,000 TPD

Clay back haul going out

J. Rejected Loads:

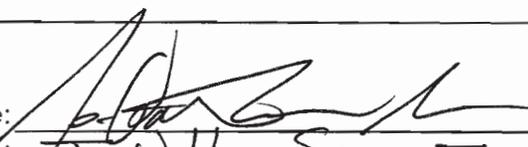
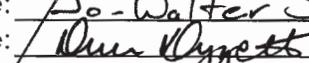
	Date/Time	Reason for Rejection
1.		
2.		
3.		
4.		None

Comments:



L. Other Comments:

- * Basin cleaning started again, Basin 3 nearly completed
- * Seeding finished for slopes, greening already apparent
- * Glycol skid not present at this time
- * Leachate recirc lines connected to leachate

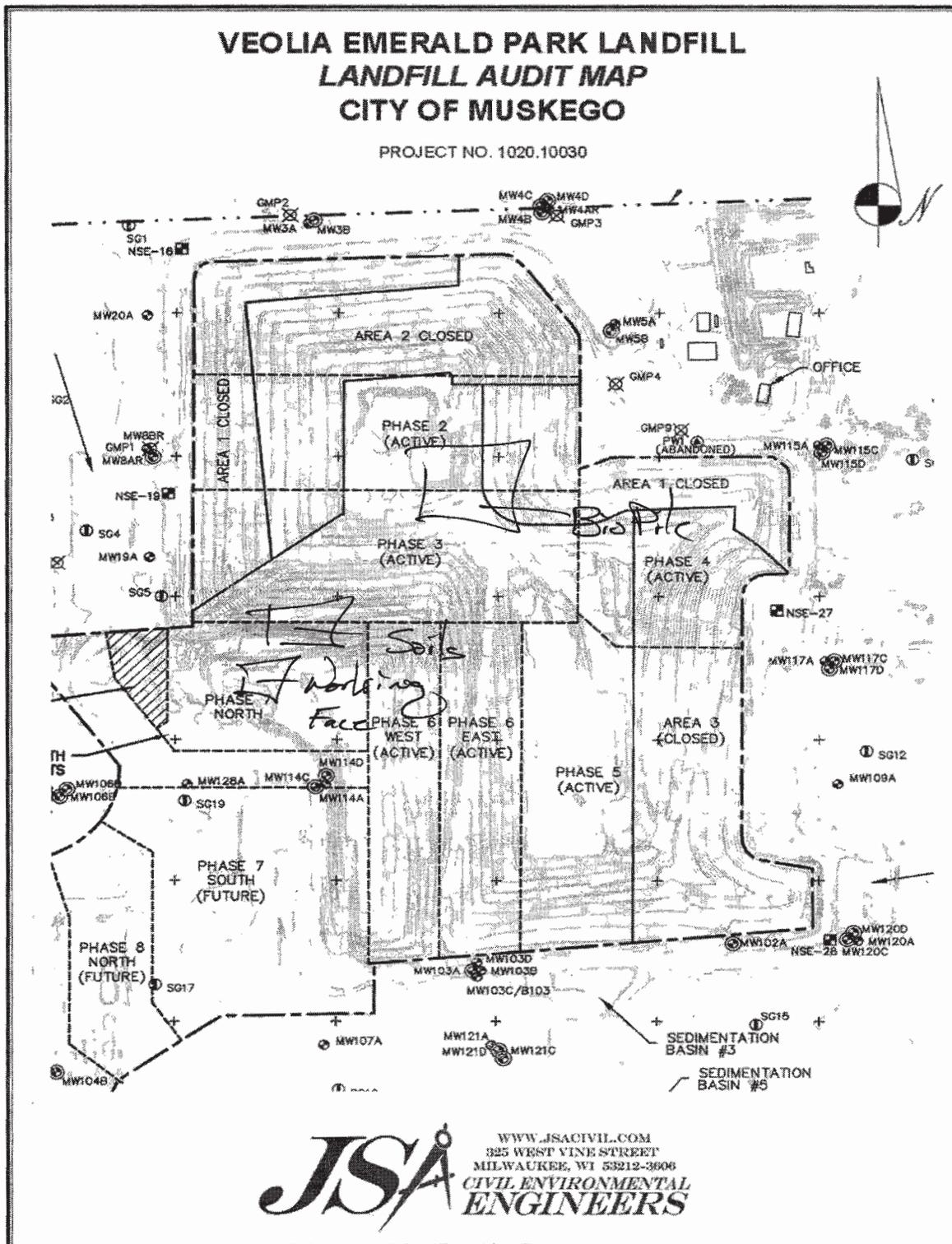
Auditor's Signature: 
Auditor's Printed Name: Do-Walter Spear, Jr
Management Signature: 
Management Printed Name: DEAN DRIGGETT
Management Title: _____
JSA Principal Signature: _____

Date: 10/17/2012
Date: 10/17/2012
Date: _____



VEOLIA EMERALD PARK LANDFILL LANDFILL AUDIT MAP CITY OF MUSKEGO

PROJECT NO. 1020.10030




JSA
 WWW.JSACIVIL.COM
 325 WEST VINE STREET
 MILWAUKEE, WI 53212-3006
CIVIL ENVIRONMENTAL ENGINEERS

LANDFILL AUDIT MAP

VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened: 3/20/2012		Updated: 4/16/2012					
Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes
1	3/20/2012	More than 1' of leachate head upon the liner of Phase 7	503.10(d)	ASAP	4/13/2012	24	Leachate ponding in new Cell, drained by pumping



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

PROJECT NO. 1012.10030



Active area and soil placement



Working face

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Excavation of clay for backhaul



Landfill direct soils places above Phase 7



North edge of Phase 7



Temp Sed Bain drained prior to potential rain events.



South slope of Phase 7



Leachate recirc lines connected to vault



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

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

FROM: Anna Krajcik

COPIES: File

DATE: 09/27/12

PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of October 22, 2012. The audit was performed at 12:40 pm on **October 22, 2012** by Jo Spear Jr. in the presence of Dean Driggett.

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

- Working face for MSW at east most edge of Phase 7
 - Cover mixed soil and Autofluff
 - Soils being tipped above Phase 7 on side slope to the north
 - Autofluff and soils for daily cover
- Discharge to MMSD and some recirculation
- One flare and one blower in operation
 - Glycol system waiting, intermittent shutdowns for maintenance and changes
- Two storm events since last audit, ~1"
 - Raining during audit, basins have plenty of freeboard; no additional cleaning since last audit
- No on or off site odors
- No special waste handling noted
- No litter issues, 2 pickers active; wet conditions help control litter
- US 45 and 8 Mile Road clean, site roads have some tracking
- Tipping scale camera and equipment operators inspecting waste
 - Random load date not noted,
- Leachate header line being installed in Phse 7
- Special services onsite installing signs
- Backhaul to one soil job excavation halted due to rain

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 27, 2012
Auditor on site at: Open Close

TIME 12:40

WEATHER Overcast & Raining

WIND E 0-5

TEMP Maximum 61 °F Minimum 57 °F

B.P. 29.96

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	Bobcat						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face for MSW at East most edge of Phase 7, cover mixed soil & Autofluff soils being tipped above Phase 7 on side slope to the North



Cover Material:

Autofluff & Soils

B. Leachate Management:

Some Reirc & discharge to MMSD

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	1		
Blowers in Operation:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	1		
Flare use since last audit			#	NA				
Shutdowns Since Last Audit:			#	2				
Vegetation Condition:	Good	<input type="checkbox"/>	Fair	<input checked="" type="checkbox"/>	Poor	<input type="checkbox"/>	Dead	<input type="checkbox"/>

Comments:

Global system awaiting

Intermittant shutdowns for Maintenance & changes

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:

Raining during Audit, Basins have plenty of freeboard
No additional cleaning since last audit

E. Odor Control:

Odors Present: Onsite Offsite

Comments: No offsite 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 type="checkbox"/>	NO	<input checked="" type="checkbox"/>	
Pickers Active:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	# 2

Comments:

Wet conditions help 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 1/2 Mile Clean, Site roads have 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:

J. Rejected Loads:

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

Comments:



L. Other Comments:

- * Leachate header line being installed in Phase 7
- * Special Services onsite installing signs
- * Backhaul to on-site job excavation halted with rain

Auditor's Signature: _____

Auditor's Printed Name: _____

Management Signature: _____

Management Printed Name: _____

Management Title: _____

JSA Principal Signature: _____

Date: 10/27/2012

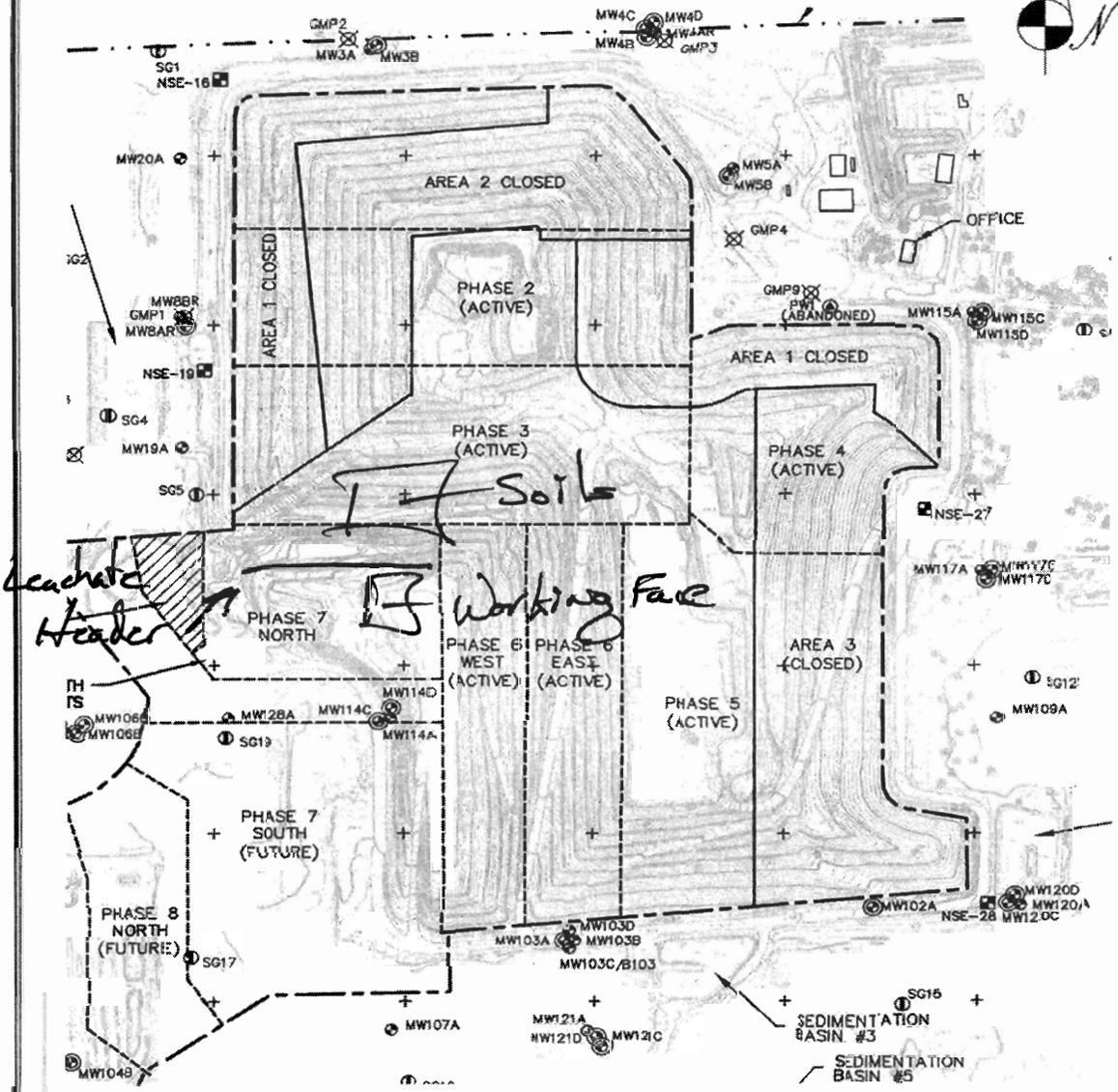
Date: 10/22/2012

Date: _____



VEOLIA EMERALD PARK LANDFILL LANDFILL AUDIT MAP CITY OF MUSKEGO

PROJECT NO. 1020.10030




JSA
 WWW.JSACIVIL.COM
 325 WEST VINE STREET
 MILWAUKEE, WI 53212-3606
**CIVIL ENVIRONMENTAL
ENGINEERS**

LANDFILL AUDIT MAP

VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened: 3/20/2012		Updated: 4/16/2012					
Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes
1	3/20/2012	More than 1' of leachate head upon the liner of Phase 7	503.10(d)	ASAP	4/13/2012	24	Leachate ponding in new Cell, drained by pumping



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

PROJECT NO. 1012.10030



Lower portion of South slopes, top dressed and awaiting seed



Upper portion of the South slopes top dressed and awaiting seed

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



landfill direct soils



Landfill direct soils



Working face incapsulated with landfill direct soils



Waste removed to place header line, will be used as backfill



Trench and leachate header placement



Temp sed basin with available volume



**Advanced
Disposal**

November



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 09/27/12
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of October 29, 2012. The audit was performed at 3:10 pm on **November 1, 2012** by Jo Spear Jr. in the presence of David Geier.

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

- Working face for MSW in Phase 7 along north edge of Phase
 - Bio soils stockpiles on top of phase 2 & 3
 - Autofluff and waste soils for cover
- Discharge to MMSD
- One flare and one blower in operation
- Three storm events since last audit, ~1”
 - Basins have free board, cleaned ditches growing new vegetation after hydro seeding
- No on or off site odors noted
- No special waste handling noted
- No litter issues, offsite litter bags present by no lose litter
- US 45 and 8 Mile Road clean, construction access open, site roads dusty
- Tipping scale camera and equipment operators inspecting waste
 - Random load date 10/28/2012, ~1700 tpd,
- Glycol system for gas building expected in two weeks' time to complete gas building construction
- Basin cleaning on hold until Oaks can clean water volume to high
- Leachate recirculation tie ins being completed

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 1, 2012 TIME 3:10
Auditor on site at: Open Close

WEATHER Overcast No rain expected WIND N 10-20

TEMP Maximum 47 °F Minimum 31 °F B.P. 29.85

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

No.	DESCRIPTION	Rented	Contracted	No.	DESCRIPTION	Rented	Contracted
1	Compactor						
2	Dozer						
	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 for nsw in Phase 7 along
North edge of Phase
Big Soils stockpiled on top of Phase
2 & 3.



Cover Material:

Autoclave & Waste Soils

B. Leachate Management:

Leachate discharge to MMST

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Blowers in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Flare use since last audit	#	N/A		
Shutdowns Since Last Audit:	#			
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

D. Surface Water Management:

Storm Events Since Last	#	3	Est. Volume	2/4"
-------------------------	---	---	-------------	------

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

Basins have free board, cleaned ditches growing
new vegetation after hydro seeding

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"/>	#

Comments:

offsite litter bags present, but no loose 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
 (construction) access open
 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"/>	#	3
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	

Random Load Inspection Dates: 10/28/2012

Comments:

2 1/2 foot TAD volumes up

J. Rejected Loads:

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

Comments:



L. Other Comments:

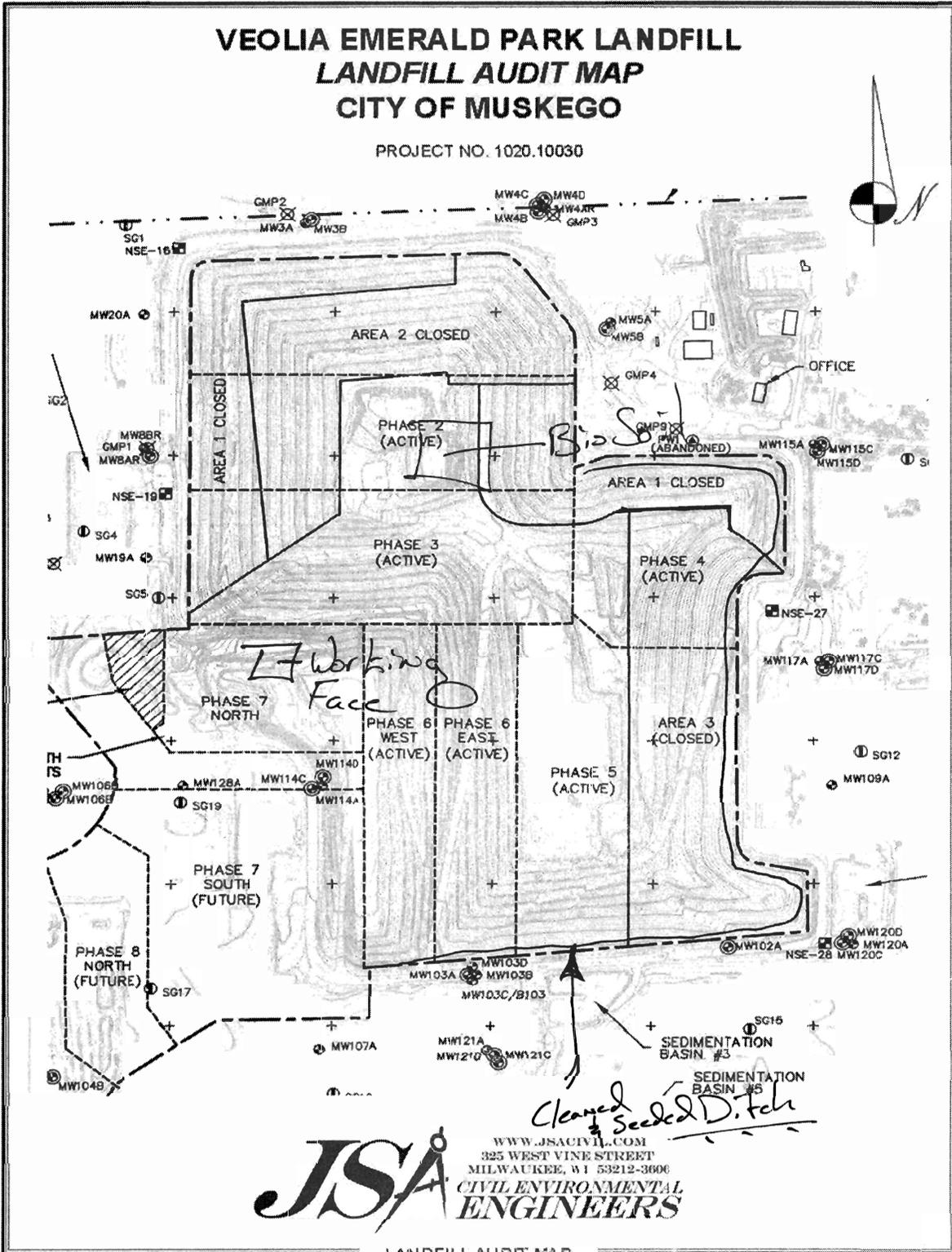
- * Glycol system for gas building expected in two weeks to complete gas building construction
- * Basin cleaning on hold until O&A can clean. Water volume too high.
- * Leachate recirculation tie ins being completed

Auditor's Signature: [Signature] Date: 11/1/12
Auditor's Printed Name: Jo-Walter Spear, Jr
Management Signature: [Signature] Date: 11/1/12
Management Printed Name: David Coeier
Management Title: Ops Manager
JSA Principal Signature: _____ Date: _____



VEOLIA EMERALD PARK LANDFILL LANDFILL AUDIT MAP CITY OF MUSKEGO

PROJECT NO. 1020.10030




JSA
 WWW.JSACIVIL.COM
 325 WEST VINE STREET
 MILWAUKEE, WI 53212-3600
**CIVIL ENVIRONMENTAL
ENGINEERS**

LANDFILL AUDIT MAP

VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened: 3/20/2012		Updated: 4/16/2012					
Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes
1	3/20/2012	More than 1' of leachate head upon the liner of Phase 7	503.10(d)	ASAP	4/13/2012	24	Leachate ponding in new Cell, drained by pumping



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

PROJECT NO. 1012.10030



Bio piles viewed from the East



Seeded areas showing some greening in Closure area 3

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Leachate recirc connection and extent of West excavation



Working face in middle of active area



Working face being spread by dozer



Soils spread out on Phase 2&3 South Slopes, above Phase 7



Recirc line connection to the leachate vault at the Western edge 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: 09/27/12
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of November 5, 2012. The audit was performed at 10:40 am on **November 9, 2012** by Jo Spear Jr. in the presence of David Geier.

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

- Working face at western edge of Phase 7 for MSW tipping
 - Soils, landfill direct being tipped above Phase 7
 - Bio soils tipped in Phase 2 & 3
 - Site soils, Autofluff supply down
- Discharge to MMSD and surface application of tank leachate
- One flare and one blower in operation
 - Shutdown due to full condensate lines
- One storm events since last audit, ~1"
 - Basins have plenty of free board, new seeded areas in good shape
- No on or off site odors noted
- No special waste handling noted
- No litter issues, 2 pickers active, one managing drop-off
- US 45 and 8 Mile Road clean, site roads gritty
- Tipping scale camera and equipment operators inspecting waste
 - Random load date will be this week, ~1563 tpd,
- Glycol skid for gas building expected next week
- Pumps in new leachate recirculation system but not active
- Site soils being used as cover
- Wintering of leachate vaults started with straw installation

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 9, 2012
 Auditor on site at: Open Close

TIME 10:40

WEATHER Overcast + Potential Rain

WIND N 0-10

TEMP Maximum 50 °F Minimum 45 °F

B.P. 30.08

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 western edge of Phase 7
for MSW tipping. Soils, landfill direct,
being tipped above Phase 7
Bio Soils still tipped in Phase 2 & 3



Cover Material:

Site soils, autofluff supply temporarily down

B. Leachate Management:

Surface Application of tank leachate Discharge to MMST as well

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Blowers in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Flare use since last audit			#	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:

Shutdowns due to full condensate lines

D. Surface Water Management:

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

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

Basins have plenty of free board, new seeded areas in good shape

E. Odor Control:

Odors Present: Onsite Offsite

Comments: No offsite 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 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:

One picker managing drop off

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 & 8 Mile clean, site roads
gritty

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:	This week		

Comments:

2/5/63 TAD
Soil volumes up just one day

J. Rejected Loads:

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

Comments:



L. Other Comments:

- * Glycol skid for Gas building expected next week.
- * Pumps in New leachate recirc system but not active
- * Site soils being used ^{covered} as cover while Miller does processing & testing
- * Wintering of leachate vaults started with straw installation.

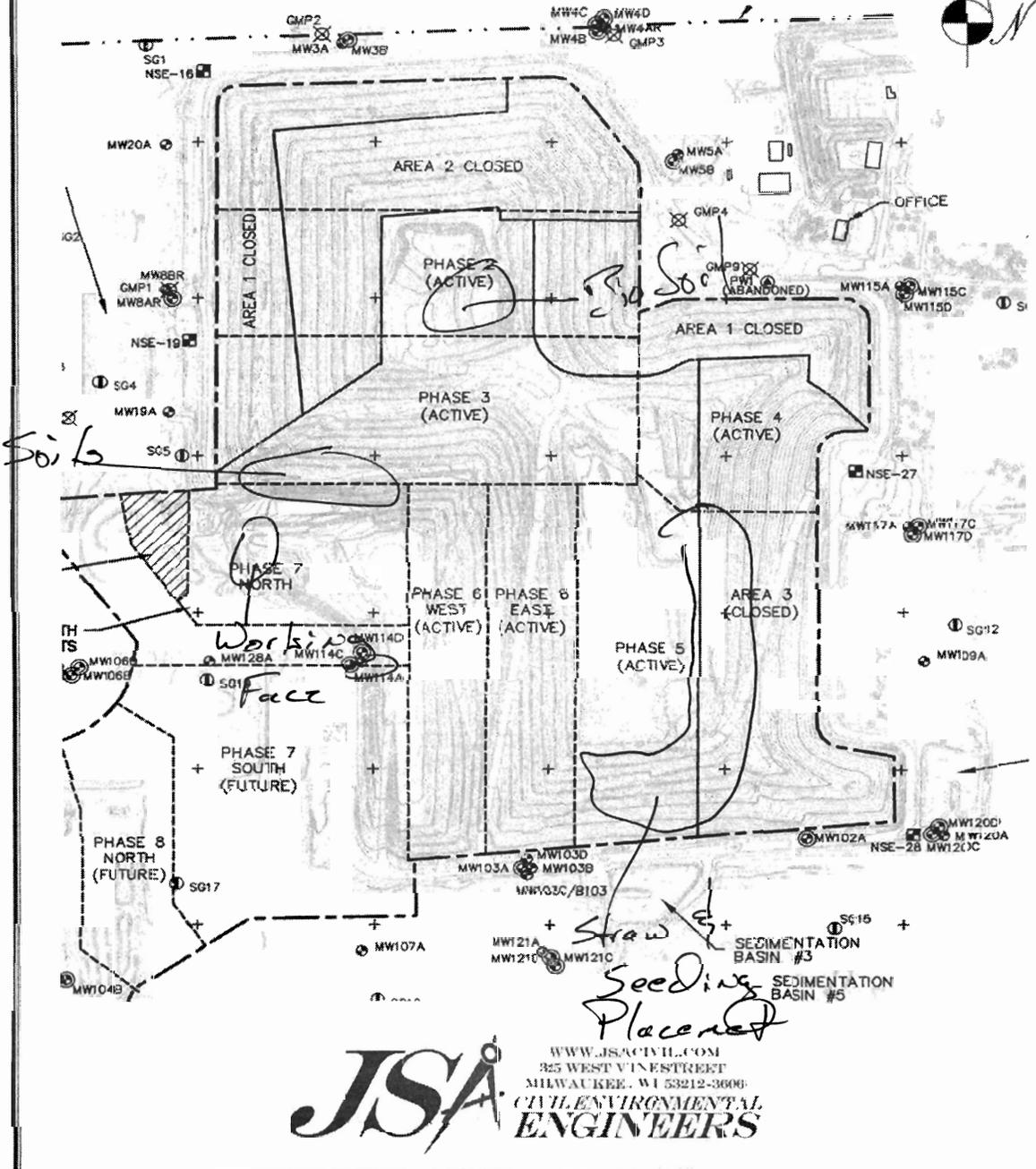
Auditor's Signature: [Signature]
Auditor's Printed Name: Jo-Walter Spear, Jr
Management Signature: [Signature]
Management Printed Name: David Geier
Management Title: Operations Manager
JSA Principal Signature: _____

Date: 11/9/12
Date: 11/9/12
Date: _____



VEOLIA EMERALD PARK LANDFILL LANDFILL AUDIT MAP CITY OF MUSKEGO

PROJECT NO. 1020.10030



JSA
 WWW.JSACIVIL.COM
 325 WEST VINCENT STREET
 MILWAUKEE, WI 53212-3600
**CIVIL ENVIRONMENTAL
 ENGINEERS**

LANDFILL AUDIT MAP

VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened: 3/20/2012		Updated: 4/16/2012					
Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes
1	3/20/2012	More than 1' of leachate head upon the liner of Phase 7	503.10(d)	ASAP	4/13/2012	24	Leachate ponding in new Cell, drained by pumping



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

PROJECT NO. 1012.10030



Load out of leachate to water truck for surface application in active area



Phase 4, North slope, seeded and protected with straw

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Seeded and protected slopes



Working face



Soils working face



Temp sed basin with plenty of freeboard for expected weekend rains



Active area, with both working faces displayed.



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 09/27/12
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of November 12, 2012. The audit was performed at 10:25 am on **November 14, 2012** by Jo Spear Jr. in the presence of David Geier.

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

- Working face in middle of Phase 7 receiving MSW
 - Small volume of landfill direct soils being tipped in Phase 7 for cover and litter control
 - Landfill direct soils and site soils for cover
- Discharge to MMSD and recirculation in new Phase 7 lines
 - Surface application from storage tank
- One flare and one blower in operation
 - Glycol installation ongoing
- One storm events since last audit, ~1"
 - Basins have plenty of freeboard and ditches greening
- No on or off site odors noted
- No special waste handling noted
- No litter issues, pickers active, very little litter after high winds
- US 45 and 8 Mile Road clean, site roads gritty
- Tipping scale camera and equipment operators inspecting waste
 - Random load date 11/5/2012, ~1500 tpd,
 - Large soil volumes expected this week and into December
- Glycol skid arrived and being installed, November 26th start up planned
- Seeding completed, soils being added to Phase 5 & 6 at north end to complete grades
- Basin cleaning to be completed after freezing conditions

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 14, 2012
Auditor on site at: Open Close

TIME 10:25

WEATHER Overcast Brist

WIND N 5-10

TEMP Maximum 44 °F Minimum 31 °F

B.P. 30.49

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 middle of Phase 7
receiving MSW. Small volume
of landfill direct soils being
tipped in Phase 7 for cover & litter
control



Cover Material:

LD Soils & site soils

B. Leachate Management:

MMSL and Phase 7 new recirc lines
Surface application from storage tank

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Blowers in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Flare use since last audit	#		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:

Glycol install ongoing

D. Surface Water Management:

Storm Events Since Last	#	1	Est. Volume	2.1"
-------------------------	---	---	-------------	------

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

Basins have plenty of freeboard & ditches greening

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"/>	#

Comments: Little litter after highways

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 Roads clean Site roads gritty

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:	<u>11/5/2012</u>					

Comments: ~ 1,500 TPD. Large soil volumes expected
Next week of December

J. Rejected Loads:

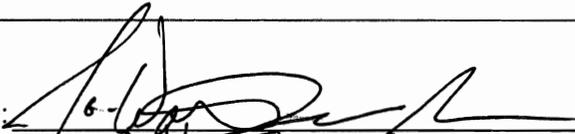
	Date/Time	Reason for Rejection
1.		
2.		
3.		
4.		<u>None</u>

Comments:



L. Other Comments:

- * Gcol skid arrived and being installed
November 26th startup.
- * Seeding completed, soils being added
to Phase 5 & 6 ~~See~~ North end to complete
grades
- * Basin cleaning to be completed after freezing
conditions

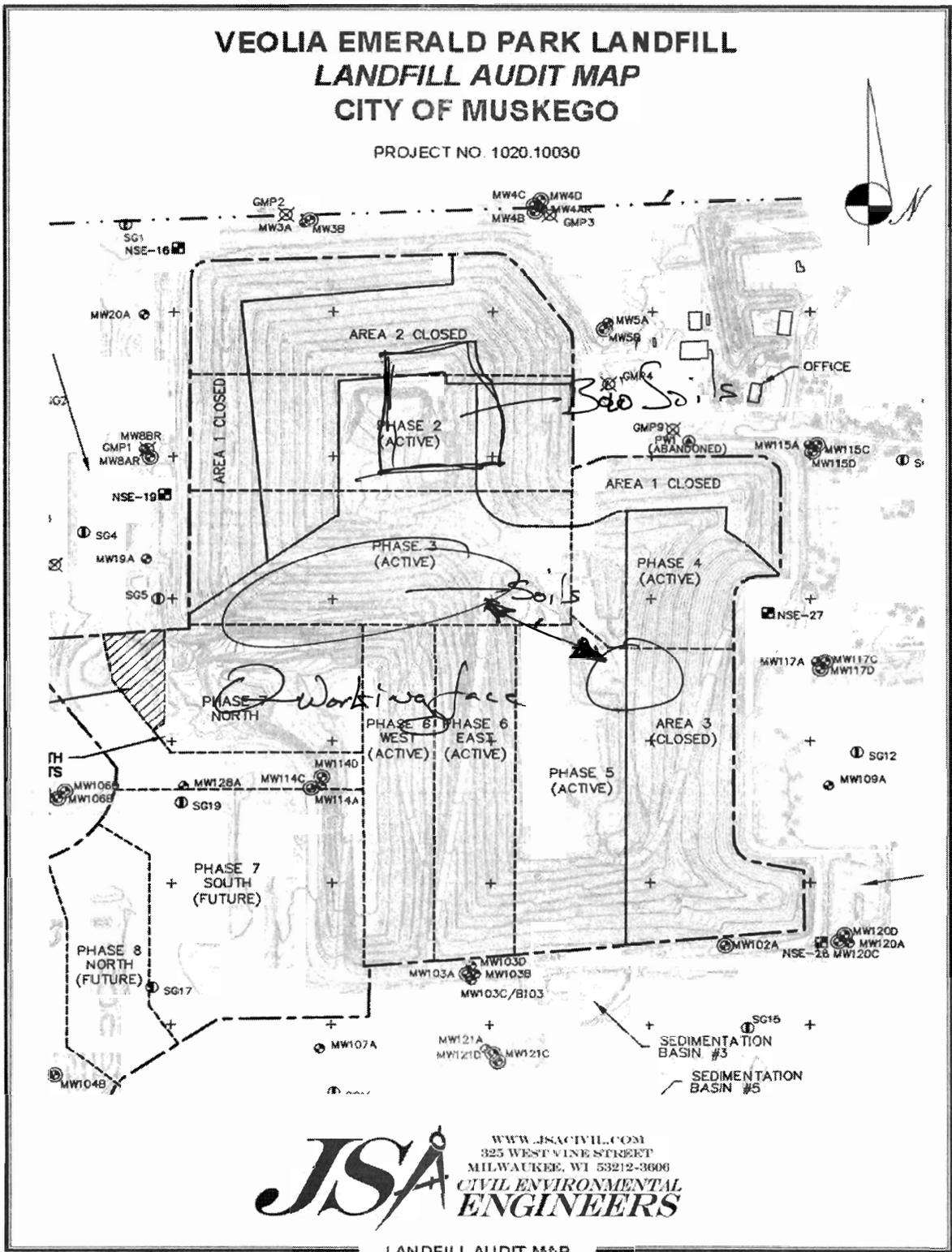
Auditor's Signature: 
Auditor's Printed Name: Joe-Walter Spear, Jr.
Management Signature: 
Management Printed Name: David Geier
Management Title: Operations Manager
JSA Principal Signature: _____

Date: 11/14/2012
Date: 11/14/2012
Date: _____



VEOLIA EMERALD PARK LANDFILL LANDFILL AUDIT MAP CITY OF MUSKEGO

PROJECT NO. 1020.10030



JSA
 CIVIL ENVIRONMENTAL
 ENGINEERS

WWW.JSACIVIL.COM
 325 WEST VINE STREET
 MILWAUKEE, WI 53212-3600

LANDFILL AUDIT MAP

VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened: 3/20/2012		Updated: 4/16/2012					
Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes
1	3/20/2012	More than 1' of leachate head upon the liner of Phase 7	503.10(d)	ASAP	4/13/2012	24	Leachate ponding in new Cell, drained by pumping



VEOLIA EMERALD PARK LANDFILL AUDIT PHOTOS CITY OF MUSKEGO

PROJECT NO. 1012.10030



Glycol skids being installed



North side of Gas building

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Gas chillers



Glycol skids and flare



Control burn of wetlands West of Landfill footprint



Control burn of Wetlands Northwest of Landfill footprint



Soil placement and grading on Phase 5/6 South end



Soils on South slope of Phases 2/3



Working face



West slope of Phase 8 excavation



Excavation of soils for placement on Phase 5/6



Temp sed pond



Working face in middle of Active area



East slope of Phase 6E, below haul road, patched after repairs to gas system



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

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

FROM: Anna Krajcik

COPIES: File

DATE:

PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of November 19, 2012. The audit was performed at 10:15 am on **November 20, 2012** by Jo Spear Jr. in the presence of David Geier.

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

- Working face west of Phase 7 middle
 - Only two operators available so one working face in Phase 7
 - Landfill direct, foundry sand and site soils for cover, Autofluff levels down
- Discharge to MMSD some surface application from storage tank
- One flare and one blower in operation
 - Gas system still being completed
- One storm events since last audit,
 - Small rain storm this AM
 - soil placement ongoing to bring Phases 4,5 & 6 junction
- No on or off site odors noted
- No special waste handling noted
- Litter well controlled, 2 pickers active collecting bags
- US 45 showing some tracking from entrance and 8 Mile Road clean
- Tipping scale camera and equipment operators inspecting waste
 - Random load date 11/16/2012, ~1600 tpd,
- Site closed Thursday, 11/22/12 for Thanksgiving Holiday; Operation hours on Saturday until 2pm
- Approximately two weeks until pipeline to MMSD is pressurized by LFG

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 20, 2012
Auditor on site at: Open Close

TIME 10:15

WEATHER Clear, Sunny, Some morning haze

WIND Nil

TEMP Maximum 53 °F Minimum 38 °F

B.P. 30.10

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	Buckhoe		✓				

A. Working Face Size and Location:

Working face, West of Phase 7 Middle.
Only two operators available, so one
working face, in Phase 7.
Soils being



Cover Material:

Landfill Direct & Secondary sand & Site Soils
Autofluuff down

B. Leachate Management:

Discharge to MMSD, Some surface application

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Blowers in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Flare use since last audit	#	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:

Gas system still being completed

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:

Small rain storm this Am.
Soil placement ongoing to bring Phase 4, 5 & 6 junction

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 checked="" type="checkbox"/>	NO <input type="checkbox"/>	# 2

Comments:

Litter well controlled, two pickers active collecting bags

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 showing some tracking from entrance
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"/>	#	
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	11/16/2012			

Comments:

2,600 TPD

J. Rejected Loads:

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

Comments:



L. Other Comments:

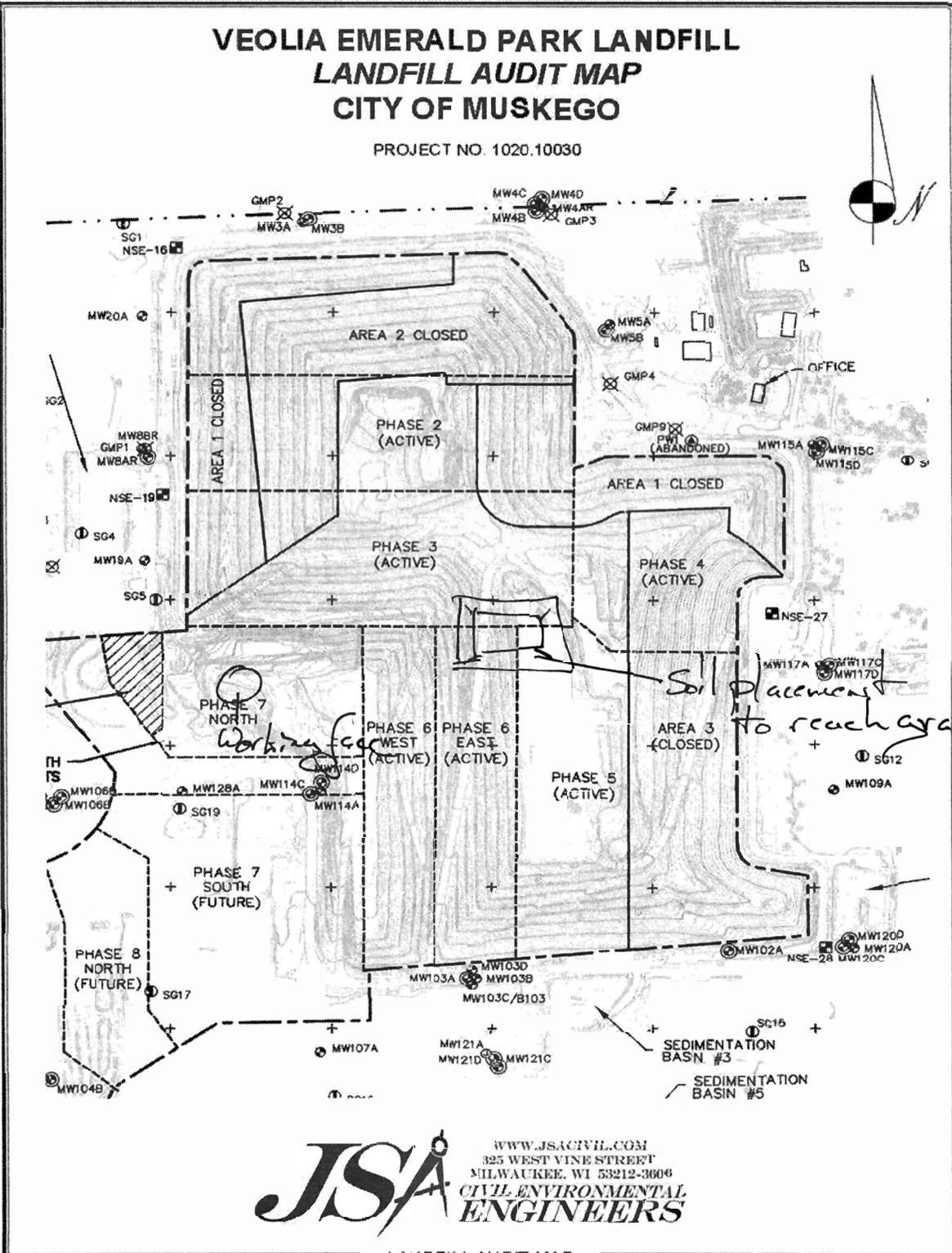
* Site closed Thursday 11/22/2012 for thanksgiving
Operation hours on Saturday til 2:00pm
* Approximately two weeks until pipeline to
MMSP is pressurized by LFG
*

Auditor's Signature: [Signature] Date: 11/20/12
Auditor's Printed Name: Jay Walter Spear, Jr
Management Signature: [Signature] Date: 11-20-12
Management Printed Name: David Geier
Management Title: Ops Manager
JSA Principal Signature: _____ Date: _____



VEOLIA EMERALD PARK LANDFILL LANDFILL AUDIT MAP CITY OF MUSKEGO

PROJECT NO. 1020.10030




JSA
 WWW.JSACIVIL.COM
 325 WEST VINE STREET
 MILWAUKEE, WI 53212-3606
**CIVIL ENVIRONMENTAL
ENGINEERS**

LANDFILL AUDIT MAP

VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened: 3/20/2012		Updated: 4/16/2012					
Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes
1	3/20/2012	More than 1' of leachate head upon the liner of Phase 7	503.10(d)	ASAP	4/13/2012	24	Leachate ponding in new Cell, drained by pumping

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

PROJECT NO. 1012.10030



Active Area



Top of working face

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Temp sed basin drained in preparation for coming storms



Working face at South edge



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 11/30/12
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of November 26, 2012. The audit was performed at 10:00 am on **November 29, 2012** 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 west end of Phase 7.
 - Soils being tipped in Phase 7 to be used as intermediate cover
 - Autofluff and soils for cover
- Discharge to MMSD and Phase 7 recirculation
- One flare and one blower in operation, numerous shutdowns since last audit
 - ~2000cfm, Shutdowns to get gas building completed
- No storm events since last audit,
 - Basins frozen on top, cleaning still on hold
- No off site odors, minor garbage odor noted onsite
- No special waste handling noted
- Litter about working face, 2 pickers active
- US 45 and 8 Mile Road clean, site roads dusty
- Tipping scale camera and equipment operators inspecting waste
 - Random load date not noted, ~2200 tdp,
- Name change to Advanced Disposal Services Emerald Park Landfill effective 11/30/2012
- Gas plant work ongoing, Glycol system installed and charged
- Soils in Phase 1 & 2 being relocated to create safer 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 November 29, 2012 TIME 10:00
Auditor on site at: Open Close

WEATHER Clear & Sunny WIND 5 S-15

TEMP Maximum 48 °F Minimum 35 °F B.P. 30.18

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	Compactor		✓				
1	Water Truck	✓					
1	Haul Truck		✓				

A. Working Face Size and Location:

Working face in west end of Phase 7, soils
being tipped in Phase 7 to be used as
intermediate cover



Cover Material:

Autoflag & Soils

B. Leachate Management:

Recycle into Phase 7 & Discharge into to MMSP

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Blowers in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Flare use since last audit	# NA			
Shutdowns Since Last Audit:	# Numerous			
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

~ 2,000 gpm

Shutdowns required to get gas building complete

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 frozen on top, cleaning still on hold.

E. Odor Control:

Odors Present:

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

Comments:

No offsite odors, minor garbage odors on 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:

Litter about working face

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, site roads 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"/>	#	
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:				

Comments:

~ 2,200 cfm

J. Rejected Loads:

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

Comments:



L. Other Comments:

- * Name change to ^{Advanced} ~~Waste~~ Disposal Services
Emerald Park Landfill LLC, effective 11/30/2012
- * Gas plant work is ongoing, G/L system installed & charged
- * Soils in Phase 1 & 2 being relocated to create ~~the~~ safer slopes

Auditor's Signature: _____

Date: 11/29/2012

Auditor's Printed Name: _____

Jo-Walter Spear, Jr

Management Signature: _____

Dean Driggett

Date: 11/29/2012

Management Printed Name: _____

DEAN DRIGGETT

Management Title: _____

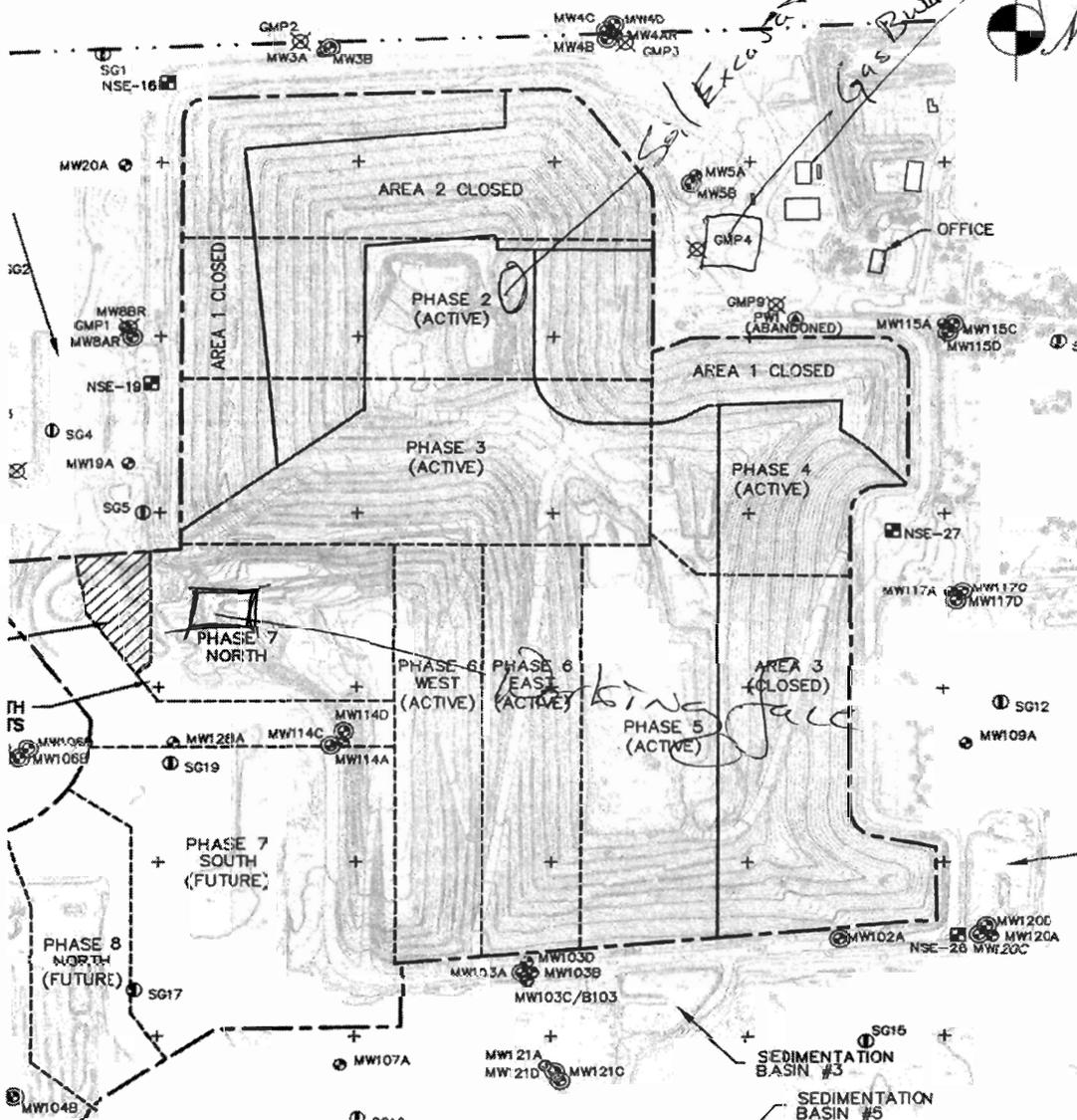
JSA Principal Signature: _____

Date: _____



VEOLIA EMERALD PARK LANDFILL LANDFILL AUDIT MAP CITY OF MUSKEGO

PROJECT NO. 1020.10030



JSA
 WWW.JSACIVIL.COM
 325 WEST VINE STREET
 MILWAUKEE, WI 53212-3600
**CIVIL ENVIRONMENTAL
ENGINEERS**

LANDFILL AUDIT MAP

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

PROJECT NO. 1012.10030



Phase 1 & 2; Closure area II



Excavator in Phase 1/2

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Excavator relocating soils and reducing slope pitch



Relocated and new soils



Lift covered with daily and intermediate cover



Active area



Tipping trucks



Northwest corner of active area receiving soils for intermediate cover



Temp sed basin drained in preparation for coming storms



working face with a fair number of seagulls



**Advanced
Disposal**

December



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

To: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 12/07/12
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of December 3, 2012. The audit was performed at 10:05 pm on **December 7, 2012** by Jo Spear Jr. in the presence of David Geier.

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

- Working face in middle of Phase 7
 - Soils being tipped for cover use
 - Autofluff and soils for cover
- Surface recirculation from Future Parkland; Emerald Park Discharge to MMSD
- One flare and one blower in operation,
 - ~2000cfm, Shutdowns for operations changed, no discharge to MMSD at this time
- No storm events since last audit,
 - Basins and ditches have acceptable capacity
 - Cleaning ongoing at south slopes
- No odors noted
- No special waste handling noted
- Site clear of litter, pickers working residential drop-off
- US 45 developing some tracking in Northbound lanes, 8 Mile RD clean
- Tipping scale camera and equipment operators inspecting waste
 - Random load date 12/06/12, ~2200 tpd,
- Load rejected during audit, driver will return with manifest
- Plan to clean basin 2 next week
- Gas delivery to MMSD is hopefully to start next week; testing being conducted now.
- *****Construction entrance open during clay back haul with no attendant.*****

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 7, 2012
 Auditor on site at: Open Close

TIME 10:05

WEATHER Clearing, from overcast, Sunny

WIND Nil

TEMP Maximum 41 °F Minimum 34 °F

B.P. 29.97

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:
Working face in middle of Phase 7
soils being tipped for cover
use.



Cover Material:

Soils & Some Auto Sluff

B. Leachate Management:

Surface receive from future parkland
Emerald Park Discharge to MMSD

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	!
Blowers in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	!
Flare use since last audit	# NA			
Shutdowns Since Last Audit:	# 2			
Vegetation Condition:	Good <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

Shutdowns for operations changes
No discharge to MMSD at this time

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 & Ditches have acceptable capacity. Cleaning ongoing at South Slopes

E. Odor Control:

Odors Present:	Onsite <input type="checkbox"/>	Offsite <input type="checkbox"/>
----------------	---------------------------------	----------------------------------

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 checked="" type="checkbox"/>	NO <input type="checkbox"/>	#

Comments:

Site clear of litter, Pickers working
Resi drop off

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 developing some tracking in
North bound lanes, Drive 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:	12/6/12		

Comments:

~2,200 TPD w/ SW & Soils + C&D loads

J. Rejected Loads:

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

Comments:

load rejected during audit, driver will
return with manifest.



L. Other Comments:

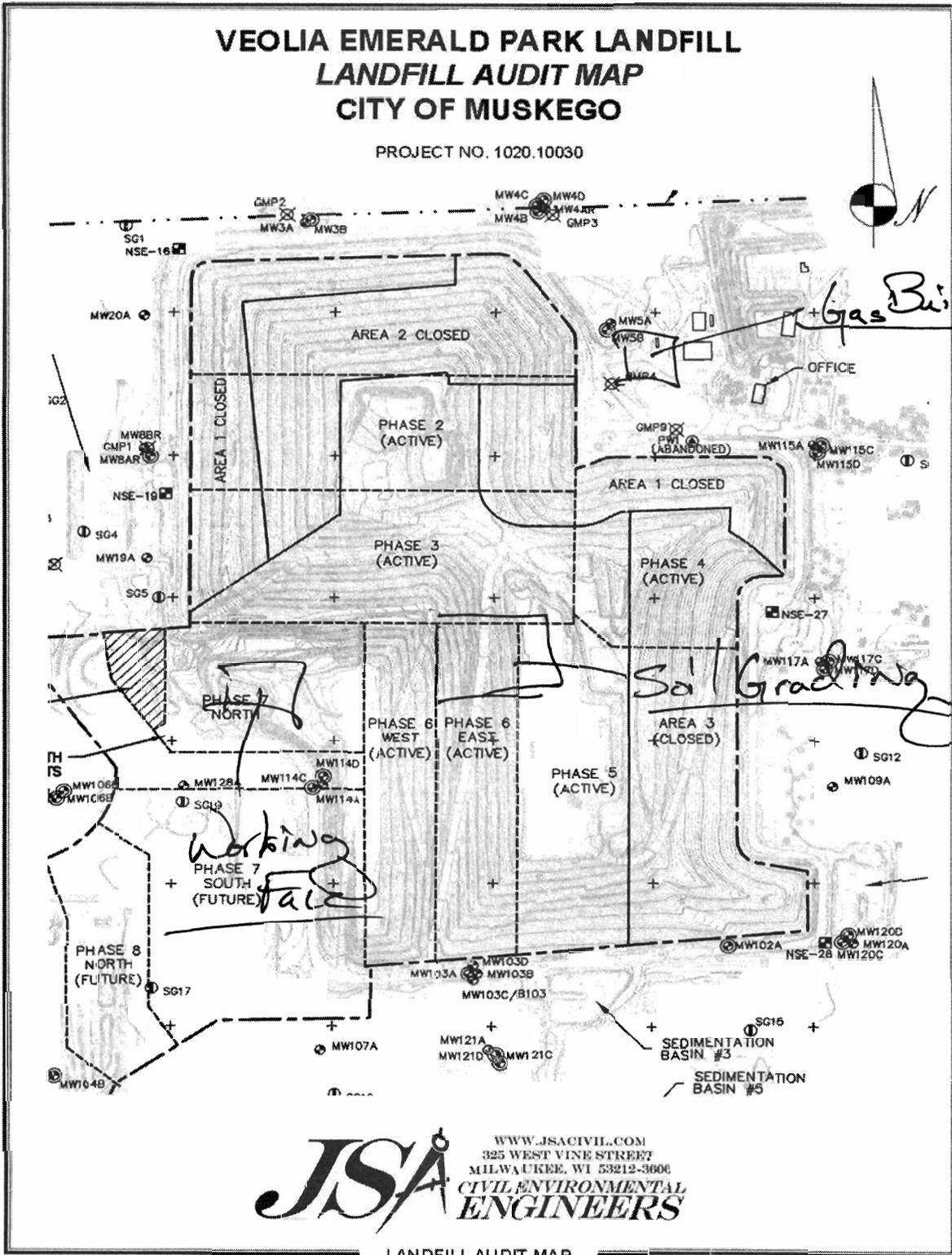
- * Plan to clean Business 2 next week.
- * Gas delivery to MMSP is hopefully to start next week. Testing being conducted now.
- * Construction entrance open during clay back haul with no attendant.

Auditor's Signature: [Signature] Date: 12/6/12
Auditor's Printed Name: Jo-Walter Spear, Jr
Management Signature: [Signature] Date: 12/7/12
Management Printed Name: David Cozier
Management Title: Operations Manager
JSA Principal Signature: _____ Date: _____



VEOLIA EMERALD PARK LANDFILL LANDFILL AUDIT MAP CITY OF MUSKEGO

PROJECT NO. 1020.10030




JSA
 WWW.JSACIVIL.COM
 325 WEST VINE STREET
 MILWAUKEE, WI 53212-3600
**CIVIL ENVIRONMENTAL
ENGINEERS**

LANDFILL AUDIT MAP

VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened: 3/20/2012		Updated: 4/16/2012					
Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes
1	3/20/2012	More than 1' of leachate head upon the liner of Phase 7	503.10(d)	ASAP	4/13/2012	24	Leachate ponding in new Cell, drained by pumping



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

PROJECT NO. 1012.10030



Phse 5 & 6, North Slope



Working face

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Active area



Clay excavation for off site back haul



Phase 7 vault being prepared for winter conditions



Phase 7 waste limit



Soils tipped on Phase 5/6



New Phase 7 vault being prepared for winter conditions



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

To: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 12/13/12
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of December 10, 2012. The audit was performed at 1:15 pm on **December 12, 2012** by Jo Spear Jr. in the presence of David Geier.

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

- Working face in middle of southeast corner of Phase 7, MSW only
 - Very little soils this week
 - Autofluff and soils for cover
- Some surface recirculation in Phase 7, Discharge to MMSD
- One flare and one blower in operation,
 - ~2000cfm, Glycol system being brought online, shutdowns when necessary
- No storm events since last audit,
 - Basin #2 being drained for cleaning; ditches and slopes greening
- Garbage odor on US 45
- No special waste handling noted
- High winds promoting litter
- US 45 and 8 Mile RD clean, no blowing debris
- Tipping scale camera and equipment operators inspecting waste
 - Random load date 12/06/12, ~1300 tpd,
- Gas system being brought online; Jan 5th connection with MMSD
- Ditch cleaning along south perimeter

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 13, 2012
Auditor on site at: Open Close

TIME 1:15

WEATHER Clear, Sunny

WIND S 10-25

TEMP Maximum 41 °F Minimum 30 °F

B.P. 30.18

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	DB		✓				

A. Working Face Size and Location:

Working face in Southeast corner of Phase 7
MSW only, very little soils this week



Cover Material:

Autofluff and soils

B. Leachate Management:

Some subgrade recirc in Phase 7,

Discharge to 7th. MMSD

C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Blowers in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Flare use since last audit			#	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:

Glycol system being brought online
Shutdowns when necessary 2 2,000cfm

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:

Basin #2 Being drained for cleaning
Ditches & slopes greening

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

Garbage odor on US/S

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 type="checkbox"/>	NO <input type="checkbox"/>	#

Comments:

highways promote 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 43 1/8 Mile clean, no blowing debris

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:	12/1/12			

Comments:

~ 1,300 TPD

J. Rejected Loads:

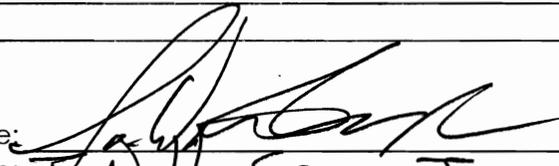
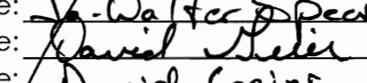
	Date/Time	Reason for Rejection
1.		None
2.		
3.		
4.		

Comments:



L. Other Comments:

* Gas system being brought online
Jan 8th connection with MMSO
* Ditch cleaning along south perimeter

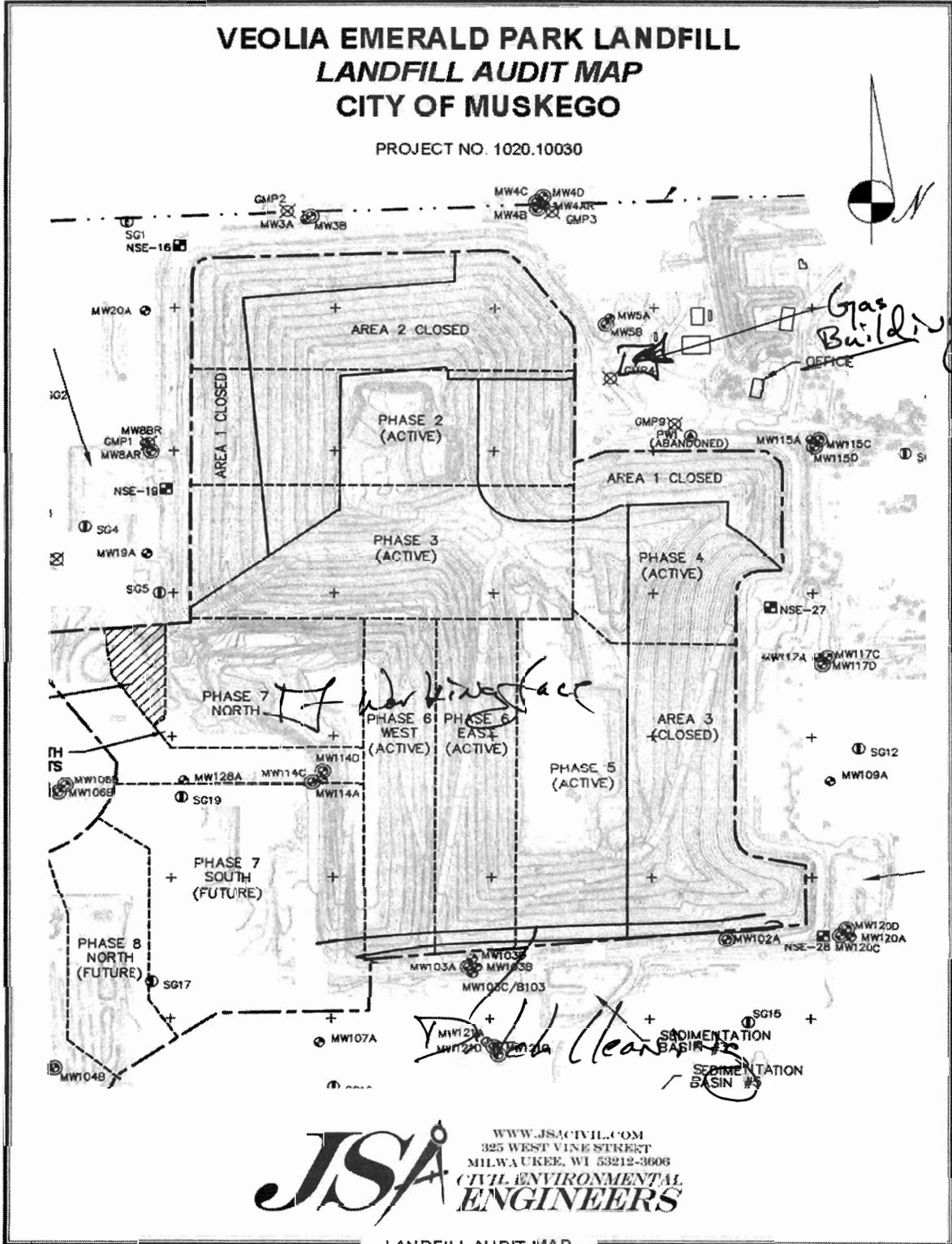
Auditor's Signature: 
Auditor's Printed Name: J. Walter Spear, Jr.
Management Signature: 
Management Printed Name: David Geier
Management Title: Operations Manager
JSA Principal Signature: _____

Date: 12/12/12
Date: 12/12/12
Date: _____



VEOLIA EMERALD PARK LANDFILL LANDFILL AUDIT MAP CITY OF MUSKEGO

PROJECT NO. 1020.10030



JSA
 WWW.JSA.CIVIL.COM
 325 WEST VINE STREET
 MILWAUKEE, WI 53212-3606
**CIVIL ENVIRONMENTAL
 ENGINEERS**

LANDFILL AUDIT MAP

VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened: 3/20/2012		Updated: 4/16/2012					
Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes
1	3/20/2012	More than 1' of leachate head upon the liner of Phase 7	503.10(d)	ASAP	4/13/2012	24	Leachate ponding in new Cell, drained by pumping



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

PROJECT NO. 1012.10030



South perimeter ditch cleaning



Bio-soils delivered in drums, hauling company will return to dump them

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



Active area Northwest of working face



Active area, stockpiled saw dust blowing



Working face surround by cover stockpiles



Working face



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

To: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 12/21/12
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of December 17, 2012. The audit was performed at 1:15 pm on **December 19, 2012** by Jo Spear Jr. in the presence of David Geier.

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

- Working face in middle of southwest corner of Phase 7
 - Beginning of new lift and preparation for winter storm at weeks end
 - Autofluff in abundance
- Discharge to MMSD
- One flare and one blower in operation,
 - System waiting on connection with MMDS
- One storm event since last audit,
 - Minor snow event, some snow still on ground, basins not frozen
- Minor odor along active area
- No special waste handling noted
- No litter due to weather conditions
- US 45 and 8 Mile Road have tracking from entrance and site roads gritty
- Tipping scale camera and equipment operators inspecting waste
 - Random load date 12/15/12, ~1300 tpd,
- Basins cleaning awaiting freezing conditions
- MMSD gas connection goes online Jan 5th with gas line purge
- Ditch cleaning activities will replace all culverts on the south ditch with HDPE

VEOLIA EMERALD PARK LANDFILL
 LANDFILL OPERATIONS AUDIT FORM
 CITY OF MUSKEGO

PROJECT NO. 1020.10030

DATE 1 December 19, 2012 TIME 3:25
 Auditor on site at: Open Close

WEATHER Overcast, Possible snow/rain event WIND N 51

TEMP Maximum 37 °F Minimum 34 °F B.P. 30.02

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	Dozer	✓					

A. Working Face Size and Location:

Working face in southwest corner of Phase 7. Beginning of new lift and preparation for another storm at weeks end.



Cover Material:

Autofluff in abundance & in use 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
Blowers in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Flare use since last audit	# NA			
Shutdowns Since Last Audit:	#			
Vegetation Condition:	Good <input checked="" type="checkbox"/>	Fair <input type="checkbox"/>	Poor <input type="checkbox"/>	Dead <input type="checkbox"/>

Comments:

System awaiting connection with MMSD

D. Surface Water Management:

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

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

Minor snow event, some snow still/ouground basins not frozen

E. Odor Control:

Odors Present: Onsite Offsite

Comments:

Minor odor along Active 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 due to weather conditions

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 have tracking from entrances, site roads 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"/>	# 2
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#
Random Load Inspection Dates:	<u>12/15/12</u>		

Comments: - 1,300 TPD, mostly MSW no special

J. Rejected Loads:

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

Comments:



L. Other Comments:

- * Buses cleaning awaiting freezing conditions
- * MMSD Gas connection goes on line JWS with gas line purge.
- * Ditch cleaning Activities will replace all culverts on the South ditch with HDPE

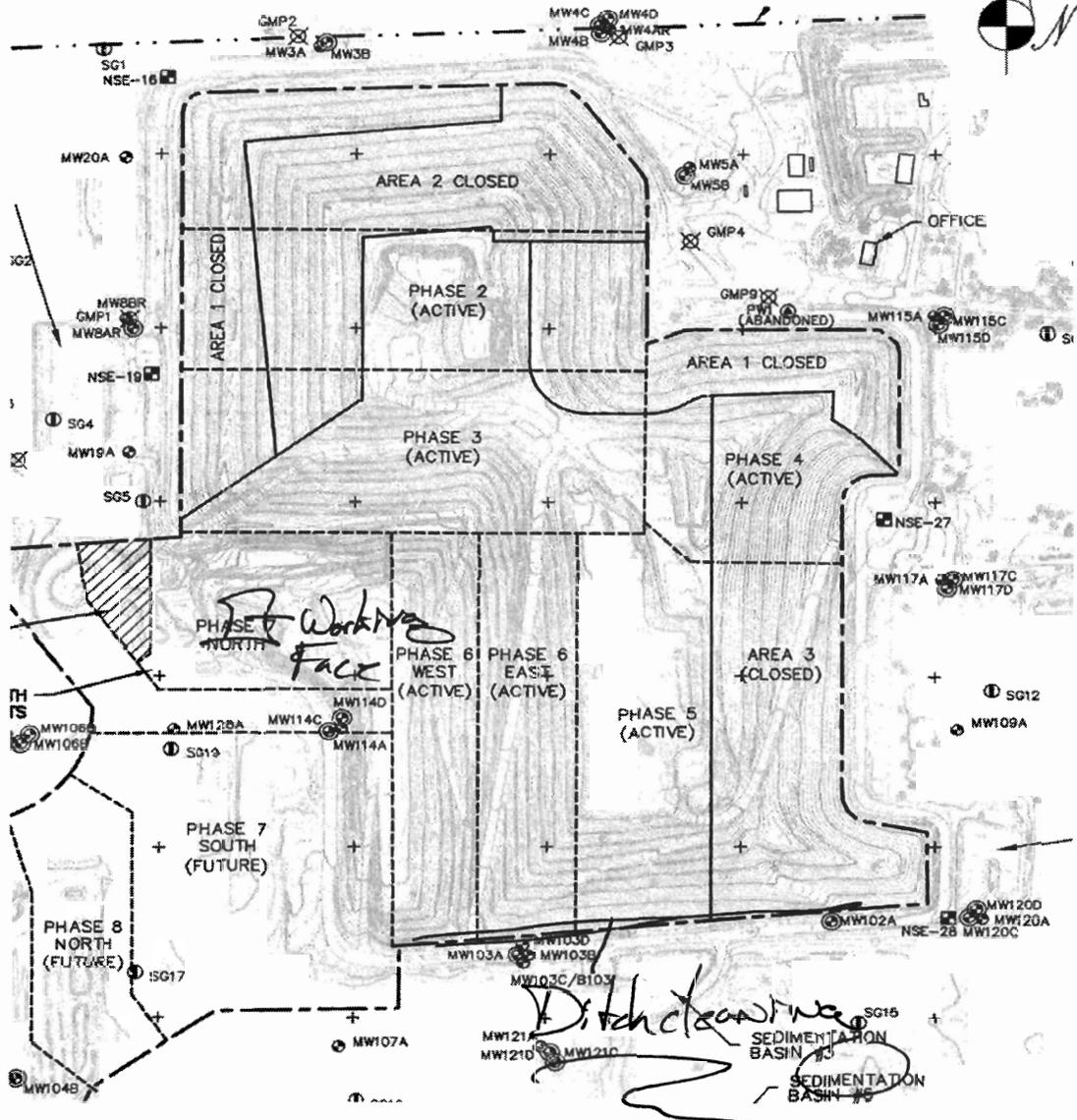
Auditor's Signature: *[Signature]*
Auditor's Printed Name: *Jo-Walter Spear, Sr*
Management Signature: *David Geier*
Management Printed Name: *David Geier*
Management Title: *Operations Manager*
JSA Principal Signature: _____

Date: *12/19/12*
Date: *12-19-12*
Date: _____



VEOLIA EMERALD PARK LANDFILL LANDFILL AUDIT MAP CITY OF MUSKEGO

PROJECT NO. 1020.10030




JSA
 WWW.JSACIVIL.COM
 325 WEST VINE STREET
 MILWAUKEE, WI 53212-3606
**CIVIL ENVIRONMENTAL
ENGINEERS**

LANDFILL AUDIT MAP

VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened: 3/20/2012		Updated: 4/16/2012					
Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes
1	3/20/2012	More than 1' of leachate head upon the liner of Phase 7	503.10(d)	ASAP	4/13/2012	24	Leachate ponding in new Cell, drained by pumping

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

PROJECT NO. 1012.10030



Active Area



Soil slopes

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



New lift started in Active Area, Southwest corner of Phase 7



Temp Sed. Basin with plenty of capacity



Flare over gas building



Landfill direct and bio-soil



South intermediate slope of Phase 7, all soil



MEMORANDUM

VEOLIA Emerald Park Landfill Audit Summary

TO: Veolia Emerald Park Landfill Standing Committee, City of Muskego
FROM: Anna Krajcik
COPIES: File
DATE: 01/02/2013
PROJECT NUMBER: 1012.10030

Attached is the audit report for activities at the Veolia Emerald Park Landfill for the week of December 24, 2012. The audit was performed at 10:10 am on **December 27, 2012** by Jo Spear Jr. in the presence of David Geier.

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

- Working face in northwest corner of Phase 7, extension of new lift
 - Soil loads at the beginning of the week, MSW throughout
 - Autofluff in abundance
- Discharge to MMSD
- One flare and one blower in operation,
 - Numerous shutdowns since last audit, shutdown during audit for knockout installation, other shutdowns for gas building construction as well
- Two storm events since last audit, ~2"
 - Rain and snow fall during last week. Surface water frozen at time of audit
- No odors on or off site
- No special waste handling noted
- Litter conditions good
- US 45 dusty, some grit and 8 Mile RD clean. Site roads gritty but clean
- Tipping scale camera and equipment operators inspecting waste
 - Random load date 12/27/12, ~1348 tpd,
- Last audit of 2012
- Basins cleaning set back due to rain volume
- Frozen loads prevalent this week due to rains and cold; dig out by backhoe
- Ditch cleaning and pipe replacement 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 December 27, 2012
Auditor on site at: Open Close

TIME 10:10

WEATHER Overcast Brisk

WIND N 0-5

TEMP Maximum 29 °F Minimum 25 °F

B.P. 30.17

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

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

MAJOR EQUIPMENT BONEYARD

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

A. Working Face Size and Location:

Working face in Northwest corner of Phase 7
Extension of new lift. Soil loads
at the beginning of the week, MSW
throughout



Cover Material:

Autofluff 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		
Blowers in Operation:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	1		
Flare use since last audit			#	NA				
Shutdowns Since Last Audit:			#	Numerous				
Vegetation Condition:	Good	<input type="checkbox"/>	Fair	<input checked="" type="checkbox"/>	Poor	<input type="checkbox"/>	Dead	<input type="checkbox"/>

Comments:

Shutdown during audit for knockout installation
Other shutdowns for gas building const. as well

D. Surface Water Management:

Storm Events Since Last	#	2	Est. Volume	22"
-------------------------	---	---	-------------	-----

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

Rain & Snow fall during last week. Surface water frozen at time of Audit

E. Odor Control:

Odors Present:

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

Comments:

No odors offsite or onsite

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"/>	# 4

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.

US 45 Dusty & some grit. 8 Mile Road clean. Side roads gritty, but cleaned

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:	12/27/2012		

Comments:

2,348 TPD

J. Rejected Loads:

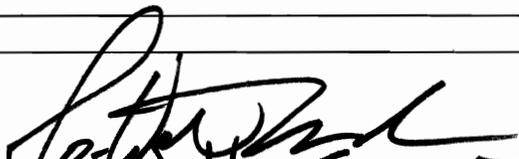
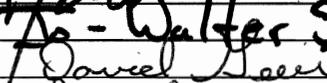
	Date/Time	Reason for Rejection
1.		None
2.		
3.		
4.		

Comments:



L. Other Comments:

- * Last Audit of 2012
- * Basins cleaning set back due to rain volume
- * Frozen loads prevalent this week due to rains & cold, dig out by backhoe
- * Ditch cleaning & Pipe &c placement ongoing

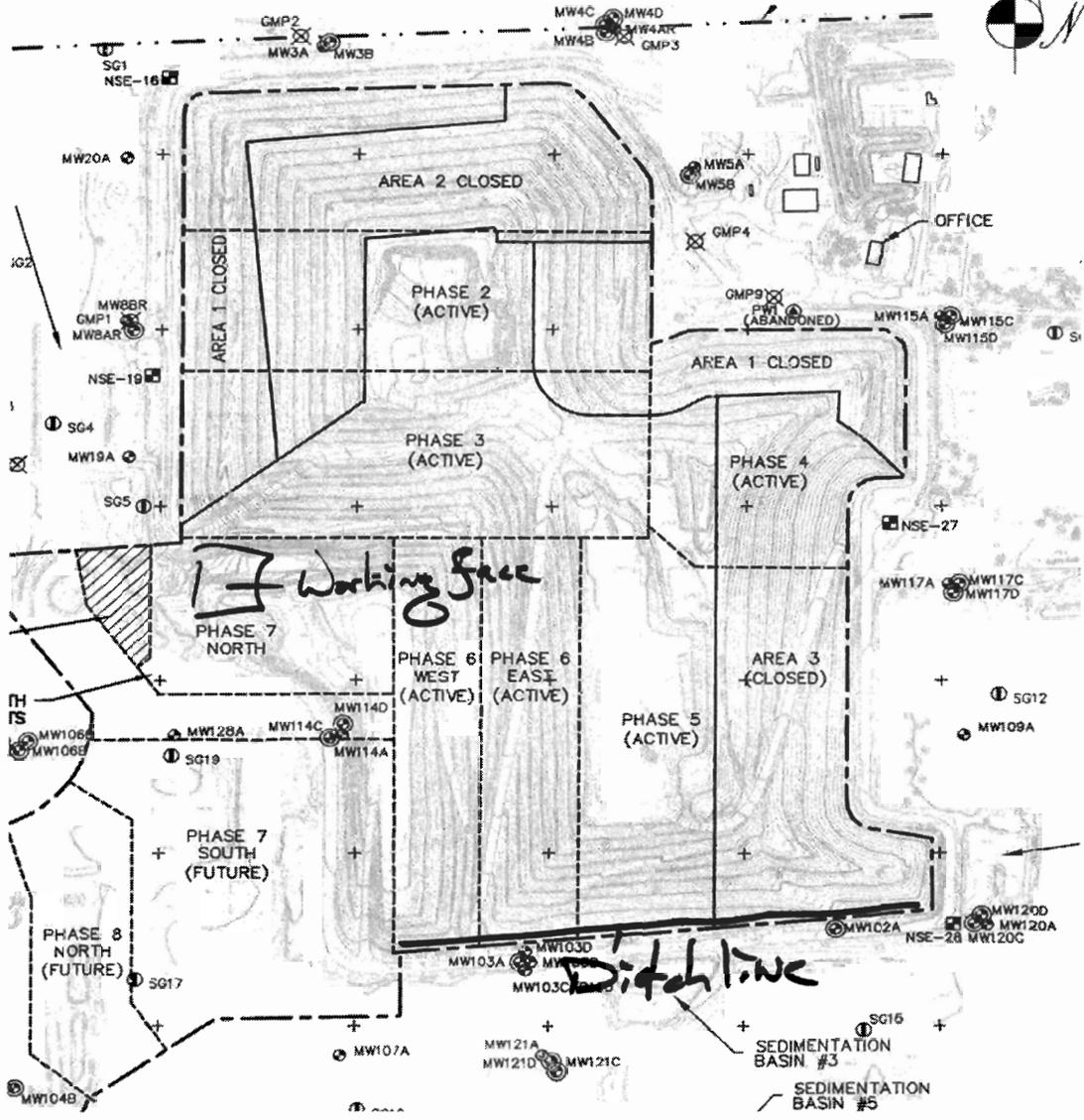
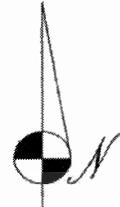
Auditor's Signature: 
Auditor's Printed Name: Walter Spear Sr
Management Signature: 
Management Printed Name: David Geier
Management Title: Operations Manager
JSA Principal Signature: _____

Date: 12/27/12
Date: 12-27-12
Date: _____



VEOLIA EMERALD PARK LANDFILL LANDFILL AUDIT MAP CITY OF MUSKEGO

PROJECT NO. 1020.10030




JSA
 WWW.JSACIVIL.COM
 325 WEST VINE STREET
 MILWAUKEE, WI 53212-3606
**CIVIL ENVIRONMENTAL
ENGINEERS**

LANDFILL AUDIT MAP

VEOLIA Emerald Park Landfill
Action Items Checklist
City of Muskego Audit

Opened: 3/20/2012		Updated: 4/16/2012					
Item Number	DATE month/date/year	Condition Description	Permit or Contract Reference	Initial Schedule for Completion	Observed Completion Date	Elapsed Time (Days)	Notes
1	3/20/2012	More than 1' of leachate head upon the liner of Phase 7	503.10(d)	ASAP	4/13/2012	24	Leachate ponding in new Cell, drained by pumping

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

PROJECT NO. 1012.10030



Small knock out to be replaced.



Large knock out replacement.

JSA *Civil Environmental Engineers*

Environmental Engineers

325 West Vine Street
Milwaukee, Wisconsin 53212



South ditch line.



Active area, North half



Working face



Compactor in working face



South temp. Sed Basin



Active Area at entrance



Gridning of compost and yard waste



West temp. Sed. Basin for Phase 7



Western slope of Phase 7