



## Annual Report

# 2017 Year End Report of Audits of the WMWI Metro Recycling and Disposal Facility

**TO:** Waste Facility Monitoring Committee (Franklin, WI)  
**FROM:** Jo-Walter Spear, Jr., P.E.  
**COPIES:** File  
**DATE:** 05/03/2018  
**PROJECT NUMBER:** 1036-10066

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JSA Environmental (JSA) has maintained a Contract with the City of Franklin (City) to provide Professional Engineering Services, in regards to the Waste Management Wisconsin Inc. Metro Recycling and Disposal Facility (Metro), since November of 2004. During that time JSA has reported to the Waste Facility Monitoring Committee (WFMC), providing the following services:

- Attendance to all WFMC Meetings
- Auditing of the Operations and Construction of the Waste Facility (Metro)
- Monitoring of odor conditions on and about the Waste Facility, including maintenance of an Odor Complaints Database.

JSA performed twenty four (24) audits of the Metro Facility during 2017. JSA conducts audits on a semimonthly schedule, a practice established in July of 2006. No additional audits were necessary, nor conducted during 2017<sup>1</sup>. In conjunction with operational audits there were two(2) construction audits. There were five(5) audits that were rescheduled due to no management being present.

All audits were performed in the presence of Metro Facility staff; either Travis Thorson, District Manager or Dan Otzelberger, Site Engineer. Audits were performed during operational hours of the facility including two “closing” audits, conducted at closing hours of the landfill; and one “opening” audits, conducted prior too and during the landfill morning opening.

Audits are recorded on “Audit Forms”, approved by the WFMC and Metro. The form is reviewed by both auditor and a Metro 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. Should a compliance issue be 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. The

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<sup>1</sup> Additional audits would be construction, closure, or at the request of the Committee

deliverable audit document is placed upon the JSA Web page; [www.JSAcivil.com/pages/audit/Franklin](http://www.JSAcivil.com/pages/audit/Franklin). The summary of the 2017 Metro audits is in a format to match the recording completed on each Audit Form, reflecting the changes with the new form.

### ***Weather Conditions***

The weather conditions during the audit were recorded visually and from the weather stations within the area of the landfill. In 2017 all weather data was recorded from National Oceanic and Atmospheric Administration (NOAA), via their web page at [www.noaa.gov](http://www.noaa.gov).

Precipitation events are monitored as well, these events have an impact on the structural integrity of the site's slopes, drainage ways, and basins. Wet cover materials have a tendency to seal in gas and dry conditions have a tendency to allow it to escape. Weather conditions also impact maintenance, access, and use of the site.

### ***Equipment used in Landfill Operation***

The Metro facility had one waste compactor and two bulldozers in operation on the working face of the landfill for the majority of audits. When using site soil and/or recovered tipped soils for daily and intermediate cover the site employed the use of an excavator and haul truck to move soils recovered from Phase 6 & 7 or the borrow area. One water truck was available and used during dry dusty conditions. A bulldozer was in use in Phases 6&7 for the management of soil loads and some special wastes.

The Metro facility does not possess a street sweeper; however they have maintained a contract with a sweeping company to sweep US 45, and site roads three times per week. The sweeping events may not have occurred three times every week, however there were no Action Items pertaining to road conditions outside and within the site. Though no Action Items, there were two audits that recorded tracking from the entrance on US 45 and one audit recorded tracking on 8 Mile Road from the Residential Drop-off site.

### ***Working Face***

Metro maintains a working face that fluctuates in size, though rarely larger than one half acre. Waste volumes dropped off in 2008, waste production is known to be dependent on the economy; lower volume equates to smaller working faces; as waste volumes have equalized over the last 7 years (~1,500 tons per day) so has the consistency of working face size. Weather conditions impact the working face size as well; during inclement weather the working face would be smaller. In 2017 the site employed the use of Working faces that were over a half acre in size, but thinly spread waste to maximize compaction on slopes. Due to the overlay(Phase 8) between the Clear Water Pond Expansion(Phase 9) and the nearly filled Phase 7; the working face has been placed on a slope to equalize elevations.

The facility maintained a working face for Municipal Solid Waste (MSW), Construction Demolition wastes (C&D), and special wastes in the Phases 6, 7, 8, and 9. During 2017, a large volume of cover soil was stockpile on the Eastern end of Phase 7. Phases 8 and 9 were the predominant location of Working Faces in 2017. Phase 6 was also the location of Working Faces for soils and asbestos only.

### ***Cover Material***

The daily cover used by Metro consists of recovered soils, site soils, foundry sands, and MRF seconds. In 2017 the site was soil rich for cover and the use of cover was greatly improved. Use of soil (recovered or site) was the predominant material used for daily cover, especially in Phases 8 & 9. The facility has a large volume of recovered soils, previously tipped as a waste, to excavate and use



as cover along with more soil loads. Waste soil that is acceptable for daily cover can be received, soil loads, and stockpiled for immediate use; other waste soils require treatment prior to beneficial reuse.

### ***Leachate Management***

Metro has the ability to recirculate leachate through a pipe system, buried in the waste, along with disposing of excess volumes through a pre-treatment plant to an MMSD force main. The construction of Phase 8, the overlay between Phases 6,7, and 9, was completed in 2016; which included the construction and connection of the Phase 8's leachate collection system. The collection system is unique in that access to the system, and others, required the placement of a manhole in the center of the Phase. The manhole had to be constructed prior to the placement of waste and rises eighty feet above the liner of the landfill; it is clearly seen in site photos. The manhole construction was completed in April of 2017.

Metro has a permit to receive liquid wastes, but similar to MSW the volume of waste has declined and was lower in 2016 than observed in previous years<sup>2</sup>. The facility did not recirculate leachate in 2017.

### ***Gas Monitoring & Management System***

Metro operates four (4) engines and one (1) turbines to destruct landfill gas (LFG). In addition the site has one emergency flare. The system had numerous improvements, maintenance, and repairs over the year. The Auxiliary Flare that was installed in 2005 was relocated to the center of the landfill footprint and is lit when the facility needs more destruction volume.

The facility has not been able to operate all of its destructive devices throughout the year due to poor gas quality or quantity; but the gas production is higher than in 2016. In 2016 a turbine was taken offline and has not been restored. Currently, the site has more than enough "destruct" capacity in the four engines, one turbine, and flare to manage LFG generated at the facility. The flare was in use during nine(9) audits in 2017 to meet the destruction requirements of the system. There were other times the flare was lit in 2017, but not during auditing.

### ***Surface Water Management***

Metro maintained its four basins throughout 2017 and thousands of feet of conveyances. Ditch cleaning had been an issue, but not an Action Item throughout 2016 and 2017. Partial ditch cleaning was done in third quarter of 2017. However, the ditches on the north boundary of Phase 9 and the South boundary of Phase 6 & 7 had reduced free board due to silt.

### ***Odor Control***

Odors during audits were detected off site on one (1) occasions and eight (8) occasions on site. The off site odor was along 112<sup>th</sup> Street and was defined as an LFG odor. There was one recorded odor complaint in 2017.

There were several odor complaints made directly to JSA in 2017 regarding odors on US 45 that could have been generated by either facility<sup>3</sup>. In each instance the occurrence was discussed with landfill staff and if a potential source was identified the facility staff addressed it. Odor complaints dropped off following site improvements.

Metro did not implement any odor control activities or substances in 2017 other than placement of cover. As previously recorded, the cover conditions were improved in 2017.

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<sup>2</sup> Waste volume observations are based on information recorded at Site Audits only

<sup>3</sup> The Metro Facility shares US 45 with the Advanced Disposal Services Emerald Park Landfill

Odor complaints made to the Metro Facility totaled one (1) in 2017.

### ***Special Waste Handling***

Waste profiles, sampling, and protocols are done off site from the Metro Facility. This item remains on the audit should a new waste be accepted. Common special wastes received are asbestos, bio-soils, and liquids. The facility tipped asbestos and bio-soils in Phase 6 only. The asbestos is entombed and untouched, bio-soil is stock piled for treatment and future re-use. Metro received a permit to receive liquid wastes in 2009 and continues the practice to do so. During 2017 Metro received liquid loads sporadically.

### ***Litter Control***

Metro implements three litter fences about the active area. Two are tall, over twelve feet, set about Phases 8 and 9, the other is set along the perimeter along 112<sup>th</sup> Street. The third fence is a six foot mesh fence. These fences are specifically for litter; with additional security perimeter fencing that also captures litter. Temporary fences are placed and removed as the landfill rises. All 2017 audits recorded litter on site, predominantly trapped in a fence. Litter was recorded seventeen (17) times offsite.

JSA records offsite litter whenever present on each audit, if the litter condition is present at the next audit it is recorded as an Action Item. On January 31 there was still excessive offsite litter in the trees along 112<sup>th</sup> street that was also present during the previous audit in 2016. The Action Item was addressed by June 14 when the litter was removed from the trees. Again, on November 28 excessive litter was recorded on two consecutive audits in the trees and the fields of 112<sup>th</sup> Street. The second action item was still open at the end of 2017.

The offsite litter occurs due to the proximity of the landfill footprint and 112<sup>th</sup> Street.

Two Action Items recorded in 2017 due to offsite litter conditions.

### ***Vehicle Impacts***

Metro's contract with Resource Recovery Systems (street sweeping) has greatly improved the conditions on US 45. Interior road conditions are deteriorating, but still serviceable and not creating unmanageable conditions offsite. On site roads were regularly recorded to be gritty or muddy based on weather conditions; additionally the perimeter road has become rutted and the occasional pothole. US 45 and 8 Mile road were clean with relation to Metro activities; there were two (2) audits that recorded tracking from the entrance on US 45 and one (1) audit recorded tracking on 8 Mile Road from the Residential Drop-off site.

### ***Inspection of incoming waste***

Metro uses numerous cameras, view able 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. Metro does not make use of spotters nor does it have working faces that are not monitored by Metro staff.

All Wisconsin permitted landfills are required to perform a random load inspection for every 5,000 tons of waste received. In 2017 proper random load inspection performance was recorded for the majority of audits.

### ***Rejected Loads***

There were no rejected loads recorded in 2017.

### ***Contractors Audit***

In 2016 Metro had New Berlin Excavating, Fence Erectors, Cornerstone Engineering, Landfill Gas Driller, and a landscaper to perform slope seeding on site. The activities of the contractors were recorded during the audits.

In December of 2017 the excavation of the Expansion Northwest began. JSA was present to record two (2) construction audits of the excavation. Both audits were done during simple excavation activities.

The majority of contractor activity in 2017 was the completion of the manhole and improvements of the gas collection system.

### ***Action Items***

There were two action items, both related to offsite litter, in 2017. It can be expected that offsite litter will continue to be an issue until Phases 8 & 9 reach final elevation on the East slope.

JSA records and discusses potential issues with the facility management to prevent development of future action items.

There was one odor complaint in 2017. The Metro Facility did not implement the use of any odor controls beyond waste placement and cover in 2017.





**January**



## Memorandum

### Metro Recycling and Disposal Facility Audit Summary

**To:** Waste Management Wisconsin, Inc. Metro Recycling and Disposal Facility (METRO) Monitoring Committee - City of Franklin

**FROM:** Faith Spear

**COPIES:** File

**DATE:** 02/24/17

**PROJECT NUMBER:** 1036

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Attached is the weekly audit report of activities at the Waste Management Metro Recycling and Disposal Facility for the week of January 8, 2017. The Audit was performed at 1:38 PM, on **January 13, 2017** by Jo Spear Jr. in the presence of Travis Thorson, District Manager.

The following bullet items were developed from the **Operations** Audit:

- Weather overcast; threatening snow storm
- Working face moving about surface of Phase 8
  - Relocating working face as needed to level surface of Phase 8
  - Filling depressions with waste, then applying daily cover
- Special wastes are being tipped in Phase 6
- One compactor, two bulldozers and excavator in use on site
- Daily cover composed of soils from tipping stockpile
  
- All leachate discharging to MMSD; no recirculation
- No flares, 1 Turbine and 4 Engines in operation
  - Flare will be lit later today due to failure of one engine
  - Gas destruction 2,800 cfm
  - One shut down since last audit
  - Flare was lit while 4<sup>th</sup> engine was repaired
  - Engine was down due to bad cylinder
  
- Numerous snow events since last audit; greater than 1" accumulation
  - Site surface water frozen
  - No new erosion
  
- No odors
- Liquid loads received on 1/12/17
- Litter present on-site and off-site
  - 4 Pickers at work
  - High winds in early January distributed litter East of 112<sup>th</sup> Street and site slopes
- US 45 and 8-Mile Rd heavily slated in expectation of more snow
  
- Tipping scale camera and 3 equipment operators at work; no spotter
- Average tonnage received reduced to 930 TPD
  - Waste being tipped is MSW and Special Wastes

**Attachments:**

Action Items List  
Landfill Operations Audit Form  
Landfill Audit Photos

- No rejected loads
- Random load inspection 1/13/17
- Residential drop-off open during audit
  - Contractor active processing wood & green wastes on site

Comments:

- Extra pickers working to reduce higher-than-usual volume of wind-driven litter
- Gas engine was down for two-week period spanning new year

Attachments:

Action Items List  
Landfill Operations Audit Form  
Landfill Audit Photos



WMWI - METRO LANDFILL								
Action Items Checklist City of Franklin Audit								
Opened:      12/02/2015					Updated:			
Item Number	DATE	Condition Description	Permit or Contract Reference	Reported to	Initial Schedule for Completion	Actual Completion Date	Elapsed Time (Days)	Notes
1	12/02/2015	Offsite litter on ground and in trees West of 112th Street.	Host Agreement & NR 500	Travis Thorson	ASAP	12/24/2015	22	Offsite litter present over two audits
2	03/30/2016	Offsite litte on ground and in trees along 112th Street	Host Agreement & NR 500	Dan Otzelburger	ASAP			

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Updated:

WMWI - METRO LANDFILL  
LANDFILL OPERATIONS AUDIT FORM  
CITY OF FRANKLIN

PROJECT NO. 1036.10056

DATE January 13, 2017

TIME 1:38

Auditor on site at: ☒ Open ☐ Close

WEATHER Overcast, possible snow

WIND 0-10  
N S E W

TEMP Maximum 19 °F Minimum 17 °F B.P. 30.77

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

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

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face moving about Phase 8 filling  
in depressions, cover being placed when  
tipping/working face relocated.  
Special wastes being tipped in Phase 6

Cover Material:

Soils from tripping stock pile

B. Leachate Management:

Discharge to MMSD



C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	.
Turbines in	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Engines in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	4
Shutdowns Since Last Audit:	# 1			
Destructed Volume:	# 2,800 cfm			

Comments:

Flare lit while 4th engine down  
Engine down due to bad cylinder

D. Surface Water Management:

Storm Events Since Last

# 3

Est. Volume

2.1"

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

Snow events last year and last week.  
Site surface water frozen, no new erosion

E. Odor Control:

Odors Present:

Onsite



Offsite



Notes on odor monitoring page



Comments:

No odors

F. Liquid Loads Recieved:

Liquid loads on 1/12/17



G. Litter Control:

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

Comments:

High winds in early January has distributed litter East of 112th Street and site slopes

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

US 45 & 8 Mile salted for potential event  
road otherwise clean

I. Inspection of incoming Waste:

Scale Camera Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	1
Equipment Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	3
Spotter:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	1/13/17					
Average Tonnage:	930 TPD					

Comments:

Large load, Special Waste MSW

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		
2.		None

L. Residential Drop Off: Open During Audit ☒

Site active, wood/green waste processing contractor on site

\* Extra pickers onsite to deal with high volume litter

\* Site Engine down for two weeks spanning two weeks from 2016 - 2017

\*

Auditor's Signature:

Auditor's Printed Name:

Jo-Walter Spear, Jr.

Management Signature:

Management Printed Name:

Travis Thorpe

Management Title:

DM

JSA Principal Signature

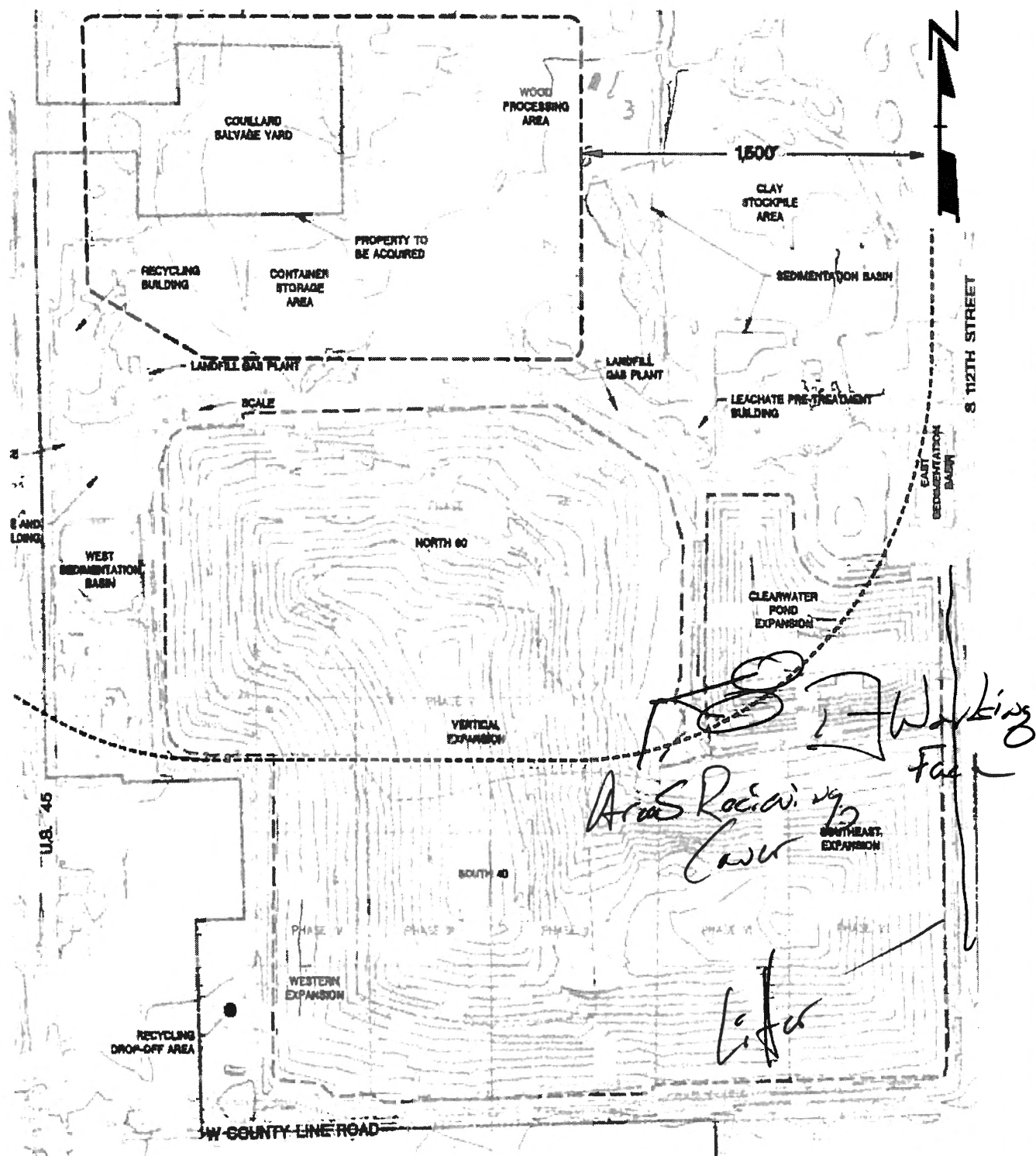
Date:

1/13/17

Date:

1/13/17

Date:



WMWI -Metro Recycling and Waste Management Facility  
 Landfill Audit Map  
 City of Franklin  
 Project No. 1036.10056

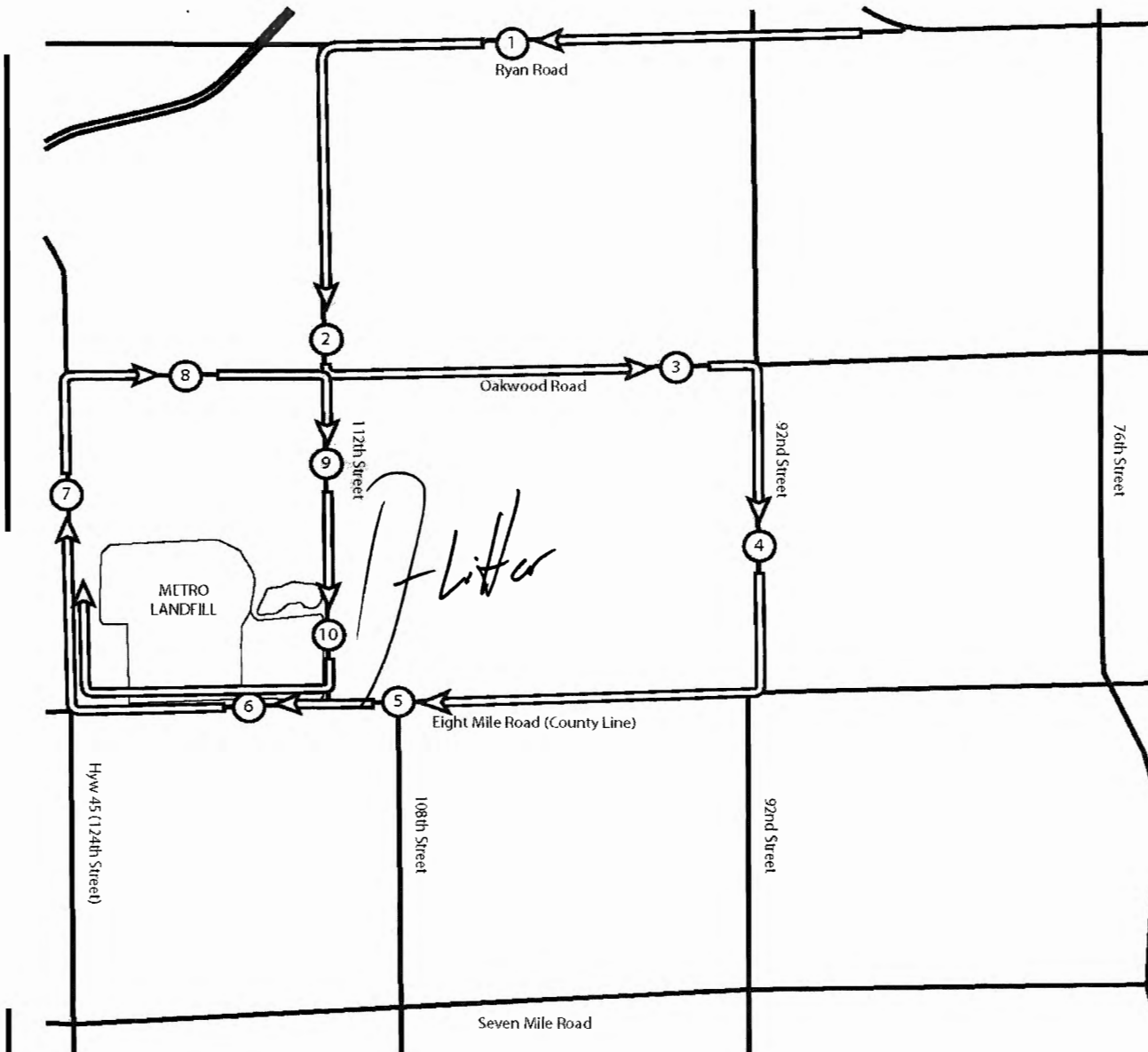
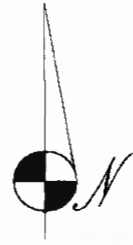
**JSA**  
 2410 N. Palmer  
 Milwaukee, WI 53212  
**CIVIL ENVIRONMENTAL  
 ENGINEERS**



# WMWI - METRO LANDFILL

## Odor Monitoring Route Map

Off-site odor monitoring route. Numbers denote monitoring stop.



# **WMWI - Metro Landfill, AUDIT PHOTOS**

PROJECT NO. 1036.10056



Phases 3 thru 7, viewed from the South





Overview of Phases 6 & 7



Overview of Phase 8



Overview of Phase 9



Covering of tipping areas where operator was filling depressions





Overview of Phase 8



West slope of Phase 8 and 9



East slope of Phase 8, heavy with litter



## Memorandum

### Metro Recycling and Disposal Facility Audit Summary

**To:** Waste Management Wisconsin, Inc. Metro Recycling and Disposal Facility (METRO) Monitoring Committee - City of Franklin

**FROM:** Faith Spear

**COPIES:** File

**DATE:** 2/24/17

**PROJECT NUMBER:** 1036

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Attached is the weekly audit report of activities at the Waste Management Metro Recycling and Disposal Facility for the week of January 29, 2017. The Audit was performed at 1:44 PM, on **January 31, 2017** by Jo Spear Jr. in the presence of Travis Thorson, District Manager.

The following bullet items were developed from the **Operations** Audit:

- Overcast, with some sun brisk
- Working face for MSW at Eastern edge of Phase 8
  - Filling depressions between Phase 8 & 9
- Bio soils, asbestos and other special wastes tipping in Phase 6
- One compactor, two bulldozers and two excavators active on site
- Site soils in use for daily cover
  
- All leachate discharging to MMSD; no recirculation
- One flare, 1 Turbine and 4 Engines in operation
  - Flare lit due to temporary spike in methane volume
  - Gas destruction consistent (with exception of spike) at 2,670 cfm
  - One shut down since last audit
  
- Several snow events since last audit; more than 1"
  - Some thawing of surfaces; basins still frozen
  - Snow covering slopes prevents erosion observation
  
- No odors on, or off-site
- No liquid loads
  
- Litter present on, and off-site
- Litter has been difficult to control due to several days of high wind
  - Two litter pickers working today
- US 45 has been swept and 8-Mile Rd is clean; site roads are gritty
  
- Tipping scale camera and 3 equipment operators at work; no spotter
- Average tonnage received – 1,200 TPD
  - Waste being tipped is MSW, foundry sand and C&D
  - No rejected loads
  - Random load inspection 1/27/17

**Attachments:**

Action Items List  
Landfill Operations Audit Form  
Landfill Audit Photos



- Residential drop-off area clean
  - Boxes mostly empty

Comments:

- Action Item: Off-site litter along 112<sup>th</sup> Street, especially heavy in trees and adjacent field
- Occasional increases in methane production have required lighting of flare

Attachments:

Action Items List  
Landfill Operations Audit Form  
Landfill Audit Photos

WMWI - METRO LANDFILL								
Action Items Checklist City of Franklin Audit								
Opened:      12/02/2015					Updated:			
Item Number	DATE	Condition Description	Permit or Contract Reference	Reported to	Initial Schedule for Completion	Actual Completion Date	Elapsed Time (Days)	Notes
1	12/02/2015	Offsite litter on ground and in trees West of 112th Street.	Host Agreement & NR 500	Travis Thorson	ASAP	12/24/2015	22	Offsite litter present over two audits
1	03/30/2016	Offsite litte on ground and in trees along 112th Street	Host Agreement & NR 500	Dan Otzelburger	ASAP	06/18/2016	80	Offsite litter present over two audits
1	01/31/2017	Offsite litte on ground and in trees along 112th Street	Host Agreement & NR 500	Travis Thourson	ASAP			

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Updated:

WMWI – METRO LANDFILL  
LANDFILL OPERATIONS AUDIT FORM  
CITY OF FRANKLIN

PROJECT NO. 1036.10056

DATE January 31, 2017

TIME 1:44

Auditor on site at: ☒ Open ☐ Close

WEATHER Overcast, with sun, brisk

10-25  
WIND N S E ☒

TEMP Maximum 34 °F Minimum 25 °F B.P. 29.63

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

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

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face in East edge of Phase 8  
and filling of depressions between  
Phases 8 & 9. Bio Soil, Abrasives and  
other special waste tipped in Phase 6

**JSA**  
2410 N. Palmer Street  
Milwaukee, WI 53212  
CIVIL ENVIRONMENTAL  
ENGINEERS

Cover Material:

Site soils in use

B. Leachate Management:

Discharge to MMSD



C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	1
Turbines in	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Engines in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	4
Shutdowns Since Last Audit:	# 1			
Destructed Volume:	# 2,670 cfm			

Comments:

Flare lit due to spike in methane volume  
otherwise consistent gas destruction with 1 turbine  
and 4 engines

D. Surface Water Management:

Storm Events Since Last

# 3

Est. Volume

2.11

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

Snow events only. Some thawing since last  
audit. Snow covered slopes prevent erosion  
discovery. Basins frozen

E. Odor Control:

Odors Present:

Onsite



Offsite



Notes on odor monitoring page



Comments:

No odors on or off site

F. Liquid Loads Recieved:

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

Comments:

Litter has been difficult to control due to several days of high winds

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, 3 Mile clean. Site roads dirty

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:	1/27/17			
Average Tonnage:	1,760			

Comments:

MSW, foundry sand, and C&D

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

L. Residential Drop Off: Open During Audit

Site clean, boxes mostly empty

Other Comments:

\* Accumulation of litter along with street, heavy in trees and adjacent field

\* Occasional increases or spikes in methane production have required lighting of flare

Auditor's Signature:

Auditor's Printed Name:

Management Signature:

Management Printed Name:

Management Title:

JSA Principal Signature

Jo-Walter Spear, Jr.

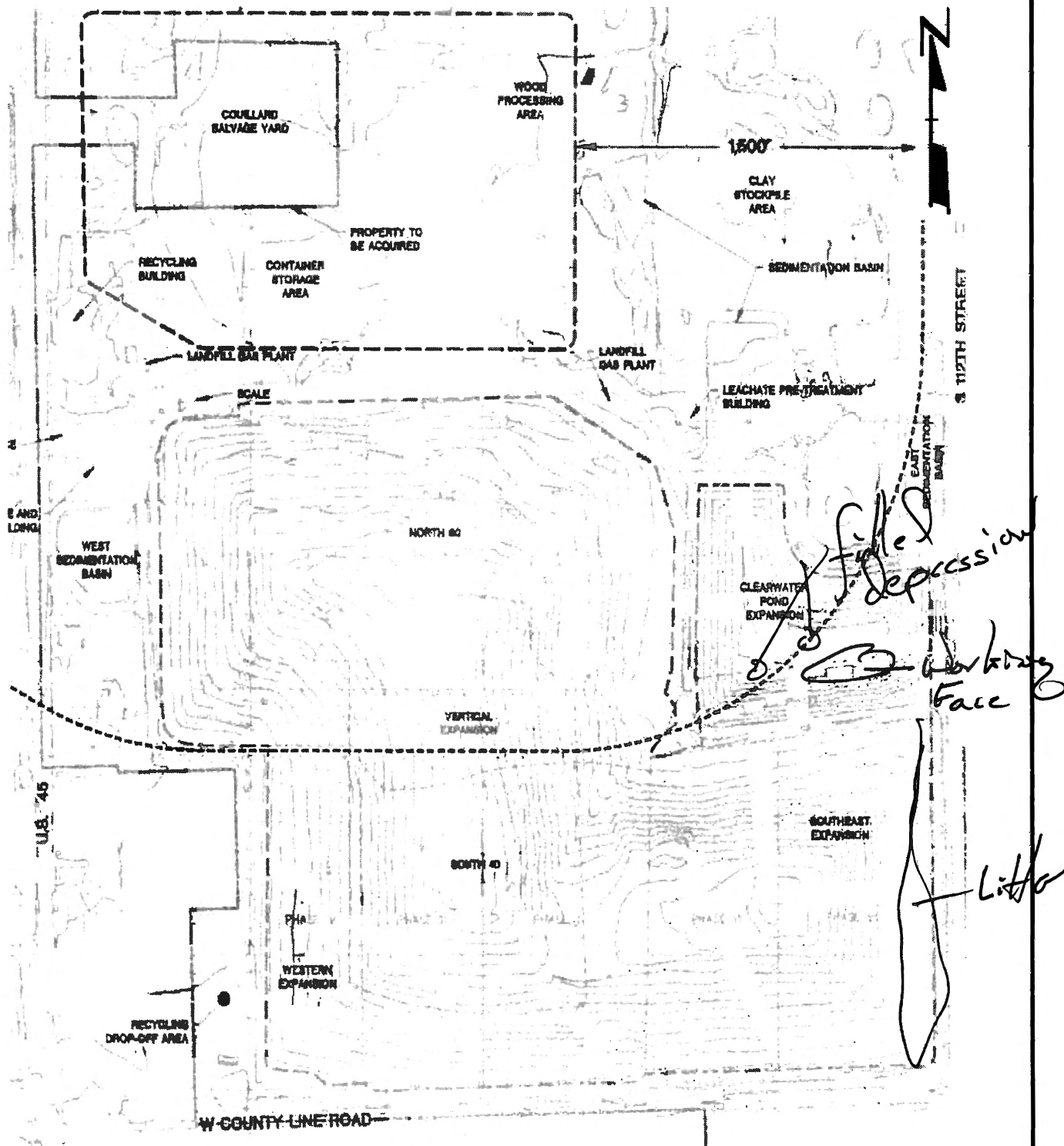
Travis Thorson

DM

Date:

Date:

Date:



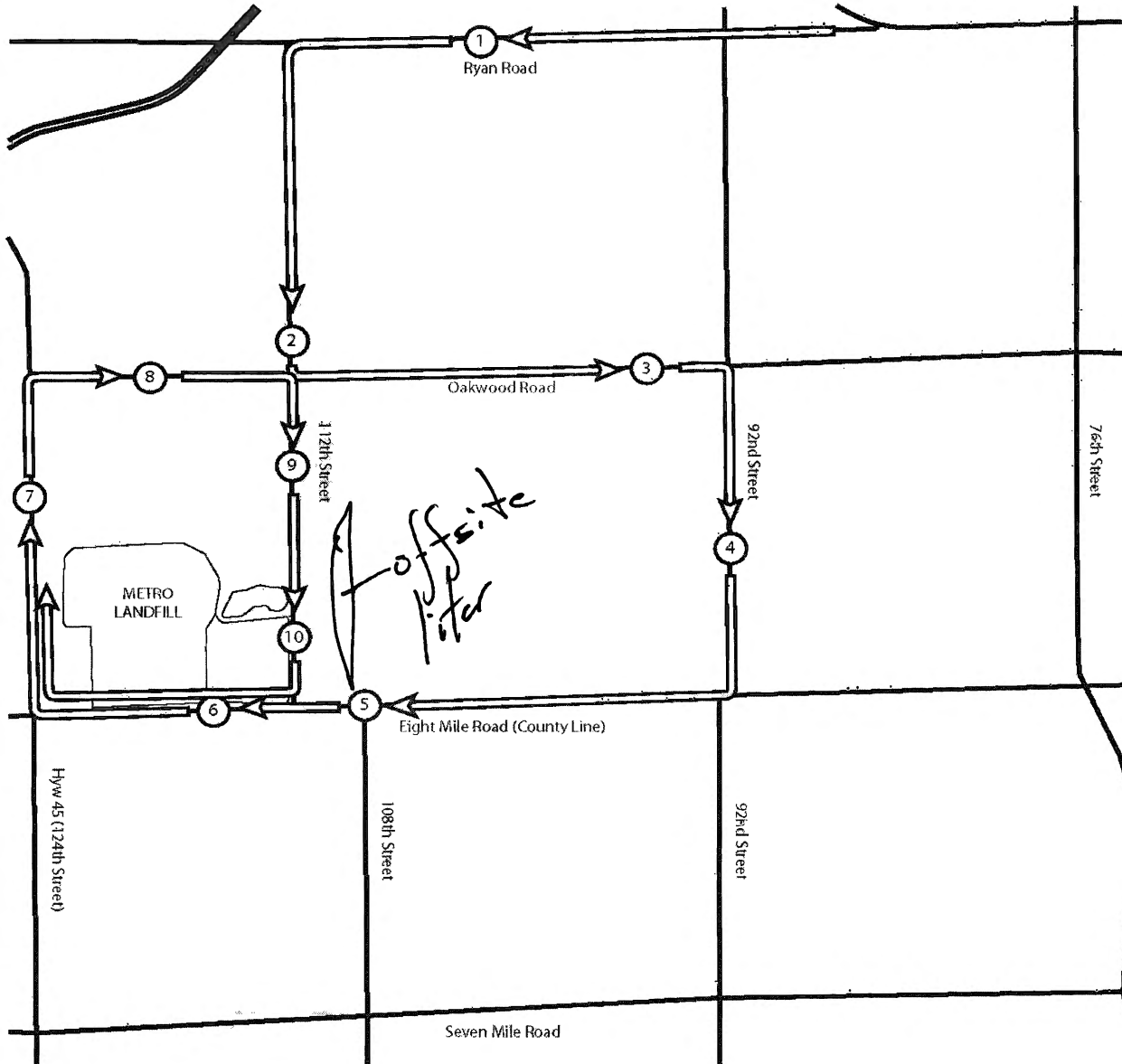
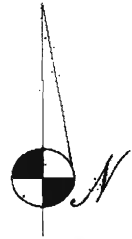
WMWI - Metro Recycling and Waste Management Facility  
 Landfill Audit Map  
 City of Franklin  
 Project No. 1036.10056

**JSA**  
 2010 N. Parkview  
 Milwaukee, WI 53212  
**CIVIL ENVIRONMENTAL  
 ENGINEERS**

# WMWI - METRO LANDFILL

## Odor Monitoring Route Map

Off-site odor monitoring route. Numbers denote monitoring stop.





# WMWI - Metro Landfill, *AUDIT PHOTOS*

PROJECT NO. 1036.10056



Asbestos pile, completely soil covered.





Overview of Phases 6 & 7



Overview of Phase 8



Overview of Phase 9



Working face at junction of Phase 8 & 9, on slope bringing Phase 8 up to grade with Phase 9





Phase 8, mostly snow covered



**February**



## Memorandum

### Metro Recycling and Disposal Facility Audit Summary

**TO:** Waste Management Wisconsin, Inc. Metro Recycling and Disposal Facility (METRO) Monitoring Committee - City of Franklin

**FROM:** Faith Spear

**COPIES:** File

**DATE:** 3/28/17

**PROJECT NUMBER:** 1036

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Attached is the weekly audit report of activities at the Waste Management Metro Recycling and Disposal Facility for the week of February 12, 2017. The Audit was performed at 12:01 PM, on **February 14, 2017**, by Jo Spear Jr. in the presence of Travis Thorson, District Manager.

The following bullet items were developed from the **Operations** Audit:

- Cloudy day with occasional sun
- Working face in middle of Phase 9, on West slope
- Incoming soil loads tipped near working face for convenient cover
- One compactor, 2 bulldozers, one excavator and one haul truck in use on site
- Completed bio soils from Phase 6 used for cover
  
- All leachate discharging to MMSD; no recirculation
- No flares, 1 Turbine and all 4 Engines in operation during audit
  - Flare has been lit recently due to excess gas production
  - Gas destruction 2,730 cfm
  - Operation of engines and turbine has been consistent
  - No shut downs since last audit
  
- No recent storm events
  - Site actively thawing
  - No flowing water on site
  
- Odors on-site; diaper smell along West edge
- Occasional; Two loads received since last audit
  
- Litter present both on and off-site
  - Heavy winds last week distributed litter off-site
  - 3 pickers working
- US 45 and 8-Mile Rd clean
  - Site roads rutted
  
- Tipping scale camera and 3 equipment operators at work; no spotter
- Average tonnage received 1,200 TPD
  - MSW and special wastes
  - No rejected loads

**Attachments:**

Action Items List  
Landfill Operations Audit Form  
Landfill Audit Photos

- Random load inspection 2/10/2017
- Residential drop-off closed during audit
  - Site cleaning
  - Boxes mostly full

Comments:

- Litter conditions worse than last audit due to winds on 2/10 and 2/11/2017
- 8,000 tons of Bio-soils tipped in 2016 now being excavated as needed for cover

Attachments:

Action Items List  
Landfill Operations Audit Form  
Landfill Audit Photos

WMWI - METRO LANDFILL								
Action Items Checklist City of Franklin Audit								
Opened: 12/02/2015					Updated:			
Item Number	DATE	Condition Description	Permit or Contract Reference	Reported to	Initial Schedule for Completion	Actual Completion Date	Elapsed Time (Days)	Notes
1	12/02/2015	Offsite litter on ground and in trees West of 112th Street.	Host Agreement & NR 500	Travis Thorson	ASAP	12/24/2015	22	Offsite litter present over two audits
1	03/30/2016	Offsite litte on ground and in trees along 112th Street	Host Agree-ment & NR 500	Dan Otzelburger	ASAP	06/18/2016	80	Offsite litter present over two audits
1	01/31/2017	Offsite litte on ground and in trees along 112th Street	Host Agree-ment & NR 500	Travis Thourson	ASAP			

---

Updated:



WMWI – METRO LANDFILL  
LANDFILL OPERATIONS AUDIT FORM  
CITY OF FRANKLIN

PROJECT NO. 1036.10056

DATE February 14, 2017

TIME 12:01

Auditor on site at: ☒ Open ☐ Close

WEATHER Cloudy, occasional Sun. Drifting Temp 5-15  
WIND N S E W

TEMP Maximum 45 °F Minimum 23 °F B.P. 29.80

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						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face in middle of Phase 9 on  
West slope. Soils being tipped  
about working face to facilitate  
cover activities

Cover Material:

Completed bio soils excavated from  
Phase 6

B. Leachate Management:

Discharge to MMSD



C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	2/9/17
Turbines in	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Engines in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	4
Shutdowns Since Last Audit:	#			
Destructed Volume:	# 2,730 cfm			

Comments:

Flare 1A due to excess gas production  
operation of engines and turbine consistent

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 thawing, but no flowing water

E. Odor Control:

Odors Present:

Onsite



Offsite



Notes on odor monitoring page



Comments:

Diaper smell along West edge

F. Liquid Loads Recieved:

Two loads

G. Litter Control:

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

Comments:

last week heavy winds distributed litter off site

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

US 45 & 8 Mile clean. Site roads dusty and rutted

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:	2/10/17					
Average Tonnage:	1,200 TPD					

Comments:

MSW, special,

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

L. Residential Drop Off: Open During Audit ☐

Boxes mostly full, site closed, Site clean

L. Other Comments:

\* Litter conditions worsened since last audit due to winds on 2/10 & 2/11

\* Bio soil, 8,000 tons, frost heeled in 2016 being excavated for cover.

Auditor's Signature:

Auditor's Printed Name:

Management Signature:

Management Printed Name:

Management Title:

JSA Principal Signature

Jo-Walter Spear, Jr.

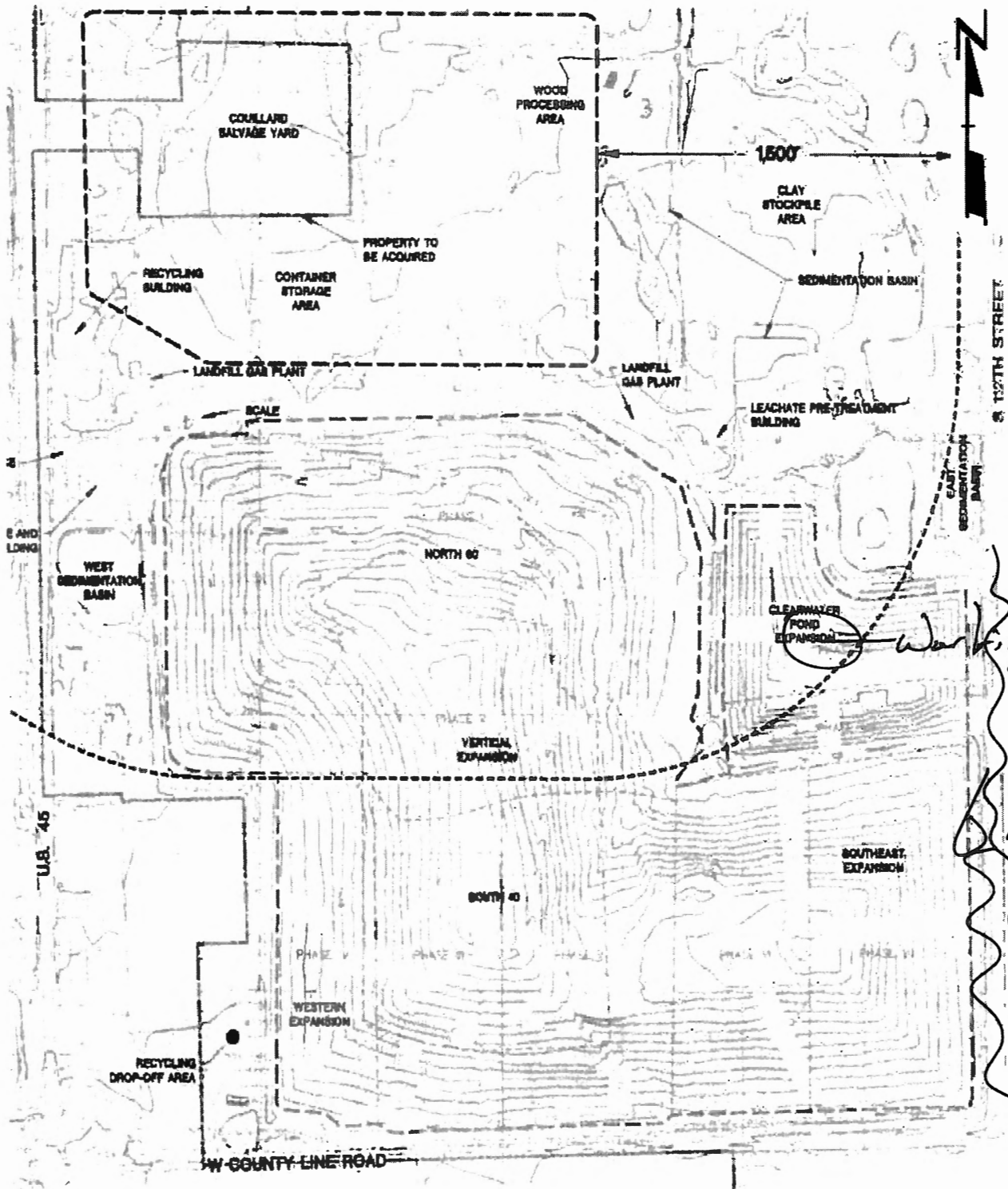
Travis Thorsen

DM

Date: 2/14/17

Date: 2/14/17

Date:



WMWI - Metro Recycling and Waste Management Facility

Landfill Audit Map

City of Franklin

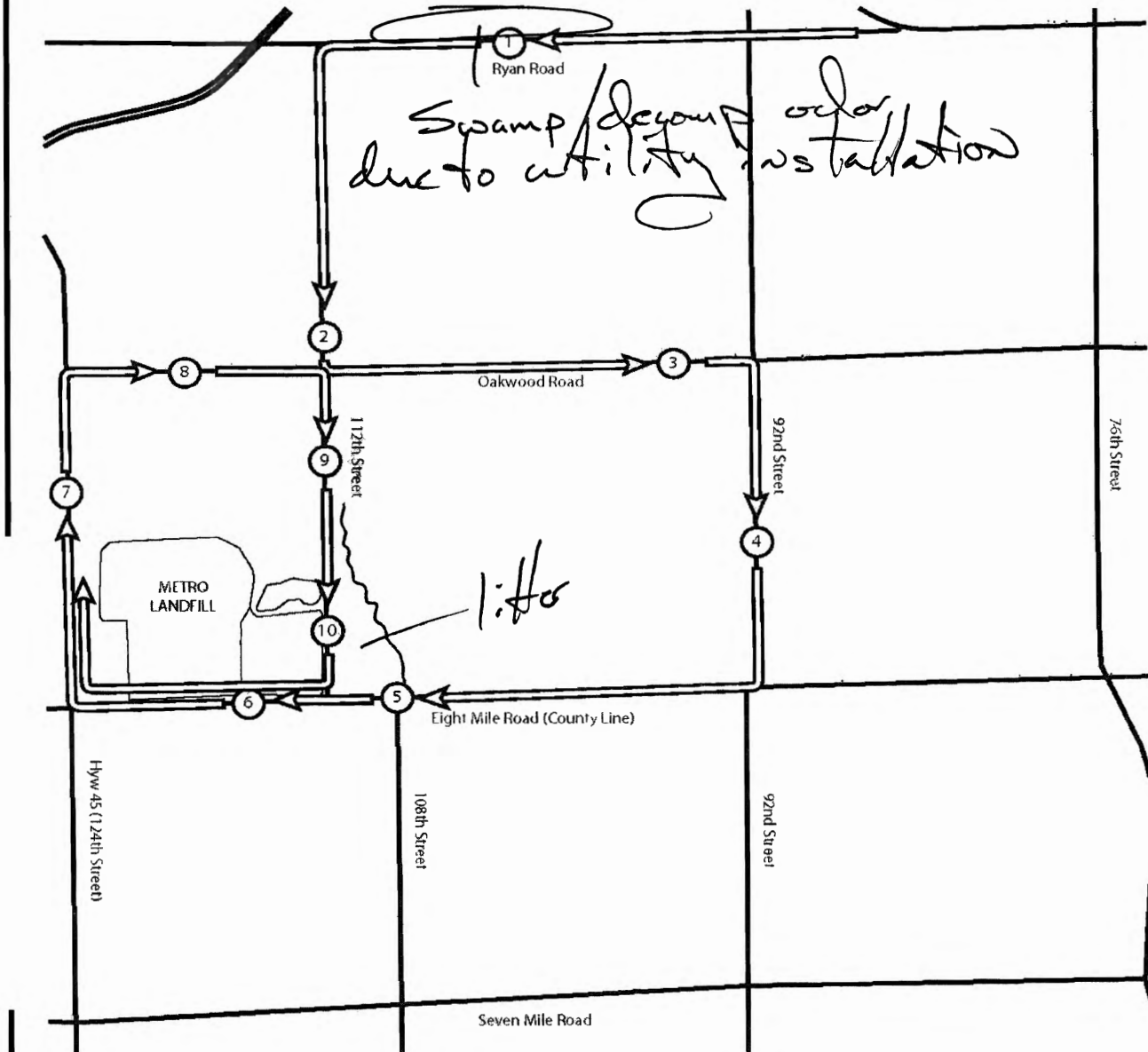
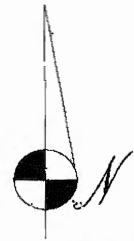
Project No. 1036.10056



2410 N. Palmer  
Milwaukee, WI 53212  
**CIVIL ENVIRONMENTAL  
ENGINEERS**

# WMWI - METRO LANDFILL Odor Monitoring Route Map

Off-site odor monitoring route. Numbers denote monitoring stop.



# WMWI - Metro Landfill, *AUDIT PHOTOS*

PROJECT NO. 1036.10056



Phase 6 & 7







Phases 6 thru 8



Overview of Phase 9



Overview of Phase 8



North end of Phase 8





Working face viewed from West



Working face in middle of Phase 8 at top of slope, soils recovered from bio pile for cover



West slope of Phase 8



Phase 6 viewed from the North, Excavator harvesting cured bio soil for daily cover





East slope of Phase 8



Eastern boudary of landfill footprint



## Memorandum

### Metro Recycling and Disposal Facility Audit Summary

**TO:** Waste Management Wisconsin, Inc. Metro Recycling and Disposal Facility (METRO) Monitoring Committee - City of Franklin

**FROM:** Faith Spear

**COPIES:** File

**DATE:** 3/29/17

**PROJECT NUMBER:** 1036

---

Attached is the weekly audit report of activities at the Waste Management Metro Recycling and Disposal Facility for the week of February 26, 2017. The Audit was performed at 2:00 PM, on **February 28, 2017** by Jo Spear Jr. in the presence of Travis Thorson, District Manager.

The following bullet items were developed from the **Operations** Audit:

- Overcast day; intermittent rain
- Working face in Phases 8 & 9 boundary area, North of manhole
  - Cover being placed as working face moves to North and East
- One compactor, one bulldozer, one excavator and one haul truck in use on site
- Soils harvested from previous placement used for daily cover
  
- All leachate discharging to MMSD; no recirculation
- No flares, 1 Turbine and 4 Engines in operation
  - Flare is lit when Methane content of Landfill Gas is more than 53%
  - Gas destruction 2,700 cfm
  - No shut-downs since last audit
  
- 4 storm events since last audit; about 1"
  - Storms have been intermittent rain and snow
  - Ditches require cleaning where narrowed
- No odors on-site
- No liquid loads
  
- Litter present both on-site and off-site
  - Litter still in trees on 112<sup>th</sup> Street
  - One litter picker; operating snow blower & shovel today
  - Site litter concentrated on East edge
- US 45 and 8-Mile Rd clean, some tracking at both site entrances
  - Site roads muddy
  
- Tipping scale camera and 3 equipment operators at work; no spotter
- Receiving approximately 1,200 TPD
  - MSW, special wastes and small volume of C&D
  - No rejected loads
  - Random load inspection 2/24/2017

**Attachments:**

Action Items List  
Landfill Operations Audit Form  
Landfill Audit Photos

- Residential drop-off clean
  - Some boxes full, need emptying
  - Green wastes being well managed

Comments:

- Offsite picking and ditch cleaning continuing from 2016
  - Had been suspended due to weather
- Site involved in a student's school report last week
  - Composting operations were promoted
- Contractor's finishing connections and construction of manhole

Attachments:

Action Items List  
Landfill Operations Audit Form  
Landfill Audit Photos



WMWI - METRO LANDFILL								
Action Items Checklist City of Franklin Audit								
Opened:      12/02/2015					Updated:			
Item Number	DATE	Condition Description	Permit or Contract Reference	Reported to	Initial Schedule for Completion	Actual Completion Date	Elapsed Time (Days)	Notes
1	12/02/2015	Offsite litter on ground and in trees West of 112th Street.	Host Agreement & NR 500	Travis Thorson	ASAP	12/24/2015	22	Offsite litter present over two audits
1	03/30/2016	Offsite litte on ground and in trees along 112th Street	Host Agreement & NR 500	Dan Otzelburger	ASAP	06/18/2016	80	Offsite litter present over two audits
1	01/31/2017	Offsite litte on ground and in trees along 112th Street	Host Agreement & NR 500	Travis Thourson	ASAP			

---

Updated:

[illegible]

WMWI – METRO LANDFILL  
LANDFILL OPERATIONS AUDIT FORM  
CITY OF FRANKLIN

PROJECT NO. 1036.10056

DATE February 28, 2017

TIME 2:00

Auditor on site at: ☒ Open ☐ Close ☐

WEATHER Overcast intermittent rain

WIND 0-15  
N S E W

TEMP Maximum 55 °F Minimum 35 °F

B.P. 29.81

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

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

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face in Phase 8/9 boundary North  
of Manhole. Cover being placed as  
working face moves Northward East

Cover Material:

Soils harvested from previous placement

B. Leachate Management:

Discharge to MMSD



C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Turbines in	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Engines in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	4
Shutdowns Since Last Audit:	# $\phi$			
Destructed Volume:	#	2,700	cfm	

Comments:

High gas volumes, flare is lit when LFG reaches >53% methane

D. Surface Water Management:

Storm Events Since Last

# 4

Est. Volume

214

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

Intermittent rain and snow events since last audit. Ditches requiring cleaning in smaller areas

E. Odor Control:

Odors Present:

Onsite



Offsite



Notes on odor monitoring page



Comments:

No odors

F. Liquid Loads Received:

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 checked="" type="checkbox"/>	NO <input type="checkbox"/>	# 1

Comments:

Litter still in trees on 112th Street

Site litter only heavy on East edge

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. Some tracking at both Site Entrances. Site Roads muddy

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:	2/24/17			
Average Tonnage:	1,200 TPD			

Comments:

MSW, Special, and small volume C&D

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

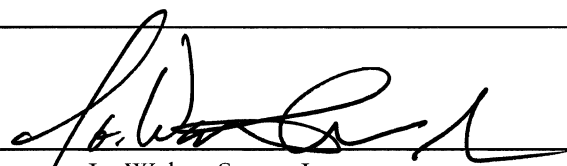
L. Residential Drop Off: Open During Audit ☐

Drop off clean, some boxes full. Green waste being managed

L. Other Comments:

- \* Offsite picking and ditch cleaning ongoing from 2016
- \* Site involved in school child's Report last week promoting composting
- \* Contractors finishing connections and construction of Manhole

Auditor's Signature:

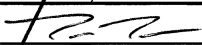


Date: 2/28/17

Auditor's Printed Name:

Jo-Walter Spear, Jr.

Management Signature:



Date: 2/28/17

Management Printed Name:

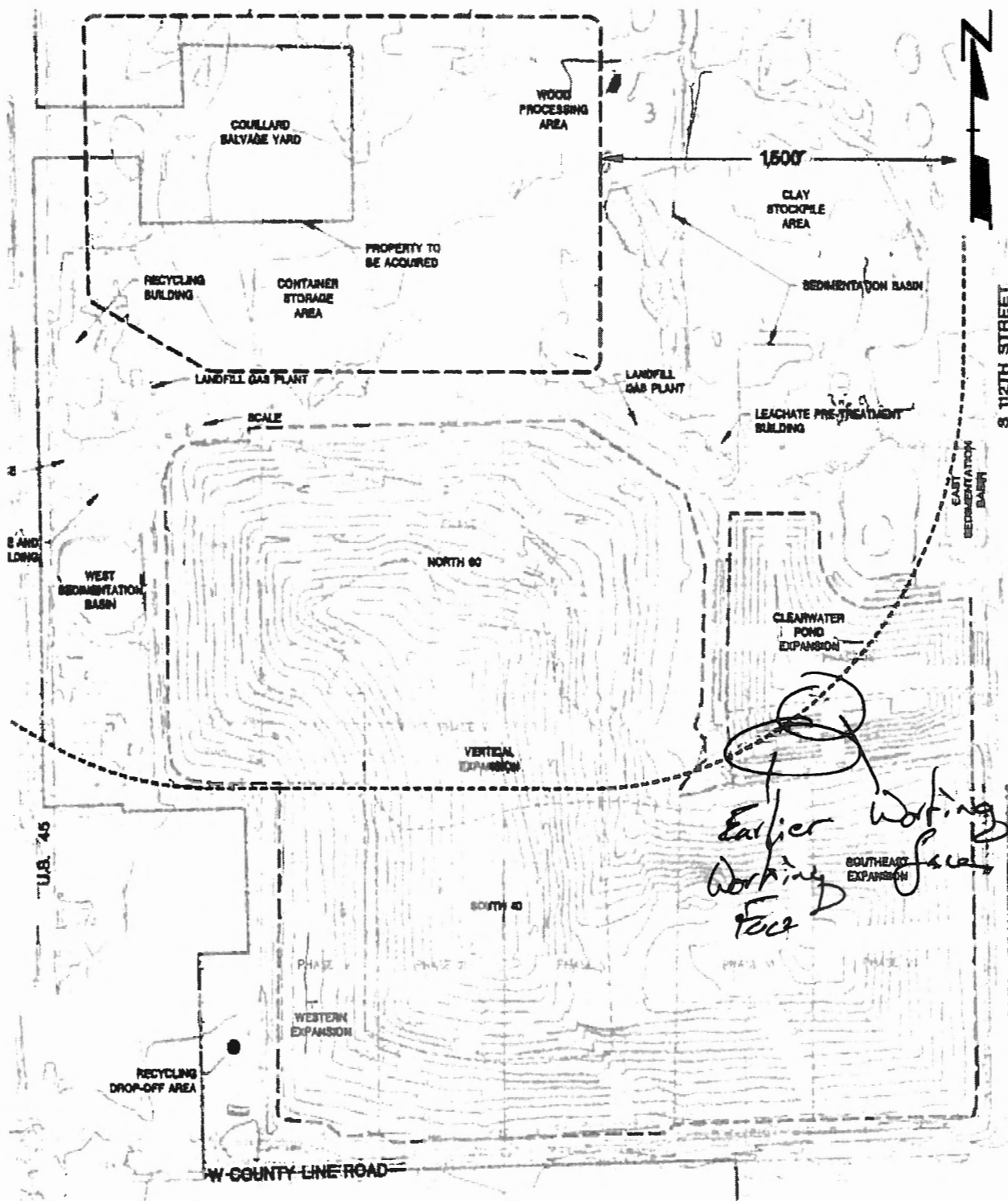
Travis Thorsen

Management Title:

District Manager

JSA Principal Signature

Date:



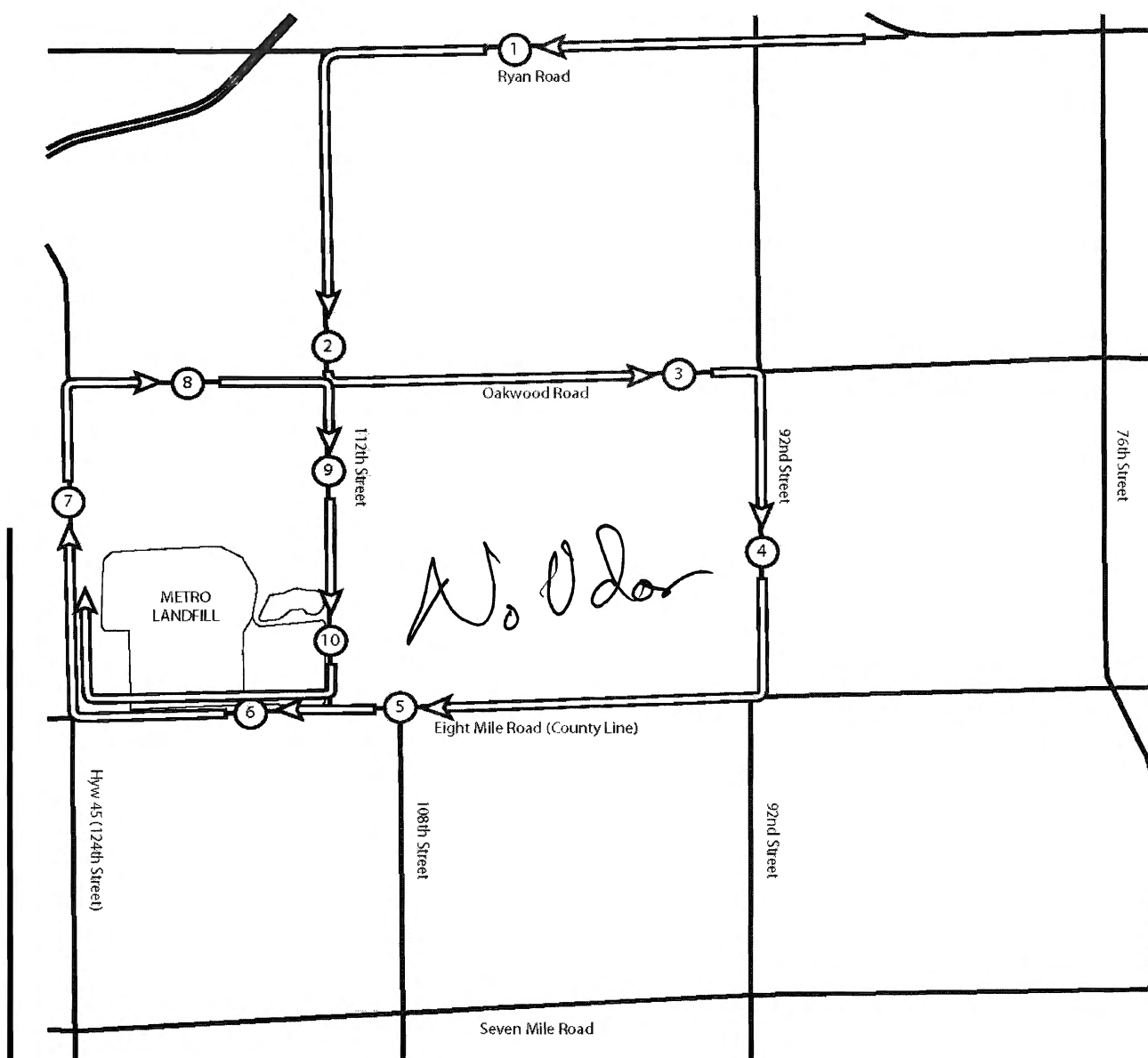
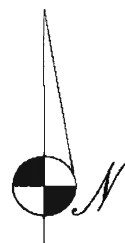
WMWI - Metro Recycling and Waste Management Facility  
 Landfill Audit Map  
 City of Franklin  
 Project No. 1036.10056



# WMWI - METRO LANDFILL

## Odor Monitoring Route Map

Off-site odor monitoring route. Numbers denote monitoring stop.





# **WMWI - Metro Landfill, *AUDIT PHOTOS***

PROJECT NO. 1036.10056



Phase 6 & 7



2410 N. Palmer Street  
Milwaukee, WI 53212



Phases 7 thru 9



Overview of Phase 9



Working face in junction of Phase 8 and 9



Manhole being finalized in Phase 8





Manhole, final connection and closing of openings ongoing today



Manhole being completed



East slope of Phase 9



Litter and litter picker active on East slope of Phase 8 and 9



**March**



## Memorandum

### Metro Recycling and Disposal Facility Audit Summary

**To:** Waste Management Wisconsin, Inc. Metro Recycling and Disposal Facility (METRO) Monitoring Committee - City of Franklin

**FROM:** Faith Spear

**COPIES:** File

**DATE:** 07/05/17

**PROJECT NUMBER:** 1036

---

Attached is the weekly audit report of activities at the Waste Management Metro Recycling and Disposal Facility for the week of March 12, 2017. The Audit was performed at 1:00 PM, on **March 16, 2017** by Jo Spear Jr. in the presence of Danial Otzelberger, Site Engineer.

The following bullet items were developed from the **Operations** Audit:

- Clear, sunny weather
- Working face for MSW in Phase 8
  - Special waste loads tipped on top of Phase 6
- One compactor and two bulldozers in use on site
- Sands and soil loads providing daily cover
  
- All leachate discharging to MMSD; no recirculation
- No flares, 1 Turbine and 4 Engines in operation
  - No shut downs since last audit
  - Gas destruction 2,300 cfm
  - Gas plant operations consistent since last audit
  - Turbine working properly
  
- One storm event since last audit; about 1"
  - Severe winds followed by heavy snow-storm last week
  
- No odors on or off-site
  - Gas odor strongest along perimeter road
- Very few liquid loads
  
- Litter present on as well as off-site
  - Picking activity increasing as snow cover decreases
  - Three litter pickers working
  - Snow melt exposing more litter on ground and in trees
- US 45 and 8-Mile Rd clean
  - Site roads muddy and rutted
  
- Tipping scale camera and 3 equipment operators at work; no spotter
- Average tonnage received ;1,200 TPD
  - Incoming waste is MSW, Bio-soils and sands

**Attachments:**

Action Items List  
Landfill Operations Audit Form  
Landfill Audit Photos

- No rejected loads
- Random load inspection 3/15/17
- Residential drop-off closed during audit
  - Area clean

Comments:

- Litter issues actively being addressed as weather conditions permit
- Manhole construction is not yet complete

Attachments:

Action Items List  
Landfill Operations Audit Form  
Landfill Audit Photos



**WMWI - METRO LANDFILL**  
**Action Items Checklist**  
**City of Franklin Audit**

Opened: 12/02/2015				Updated:				
Item Number	DATE	Condition Description	Permit or Contract Reference	Reported to	Initial Schedule for Completion	Actual Completion Date	Elapsed Time (Days)	Notes
1	12/02/2015	Offsite litter on ground and in trees West of 112th Street.	Host Agreement & NR 500	Travis Thorson	ASAP	12/24/2015	22	Offsite litter present over two audits
1	03/30/2016	Offsite litte on ground and in trees along 112th Street	Host Agreement & NR 500	Dan Otzelburger	ASAP	06/18/2016	80	Offsite litter present over two audits
1	01/31/2017	Offsite litte on ground and in trees along 112th Street	Host Agreement & NR 500	Travis Thourson	ASAP			

Updated:

WMWI – METRO LANDFILL  
LANDFILL OPERATIONS AUDIT FORM  
CITY OF FRANKLIN

PROJECT NO. 1036.10056

DATE March 16, 2017

TIME 1:00

Auditor on site at: ☒ Open ☐ Close ☐

WEATHER

Clear, Sunny

WIND S-15  
N ☒ E ☐ W

TEMP Maximum 36 °F Minimum 31 °F

B.P. 30.31

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						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face in Phase 8 for MSW  
and other wastes tipped in Phase 8  
Special wastes being tipped in Phase 6  
on top



Cover Material:

Sand & Soil

B. Leachate Management:

Discharge to MMSD



C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Turbines in	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Engines in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	4
Shutdowns Since Last Audit:	# 2			
Destructed Volume:	# 2,500 cfm			

Comments:

Consistent operation since last audit

Turbine not under repairs

D. Surface Water Management:

Storm Events Since Last

#

1

Est. Volume

21"

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

Heavy snow storm following severe winds from the week before.

E. Odor Control:

Odors Present:

Onsite



Offsite



Notes on odor monitoring page



Comments:

No odors on or off site

F. Liquid Loads Recieved:

Minimal

G. Litter Control:

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

Comments:

Picking activity increasing as snow melts to expose litter on off site and in trees

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

US 45 & 8 Mile road clean, site roads muddy and rutted

I. Inspection of incoming Waste:

Scale Camera Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	1
Equipment Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	3
Spotter:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	3/13/17					
Average Tonnage:	1,200 TPD					

Comments:

MSW, Bio Soil, and sands

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

L. Residential Drop Off: Open During Audit ☐

closed, but clean.

L. Other Comments:

\* Litter issues will be addressed over time  
and weather conditions

\* Manhole construction not yet complete

\*

Auditor's Signature:

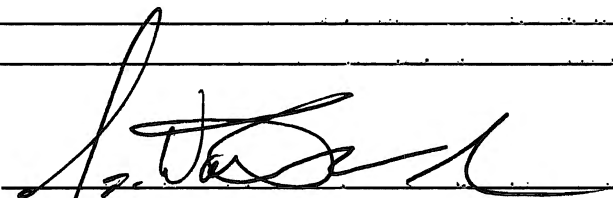
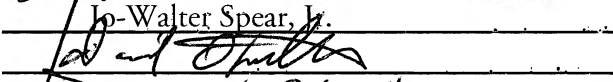
Auditor's Printed Name:

Management Signature:

Management Printed Name:

Management Title:

JSA Principal Signature

  
J. Walter Spear, Jr.  
  
Daniel Otzelberger  
Site Engineer

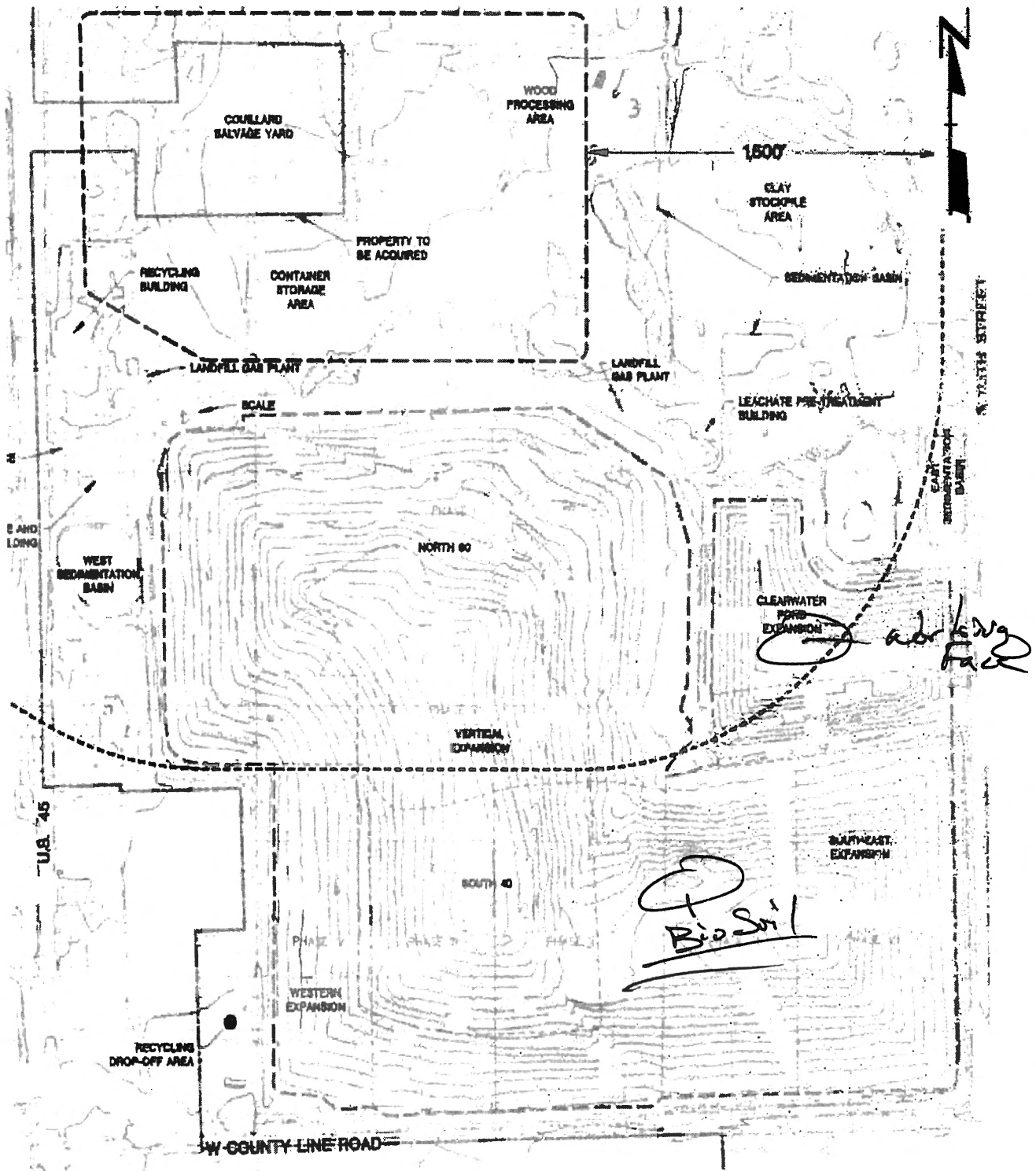
Date:

3/16/17

Date:

3/16/17

Date:



WMWI - Metro Recycling and Waste Management Facility

Landfill Audit Map

City of Franklin

Project No. 1036.10056

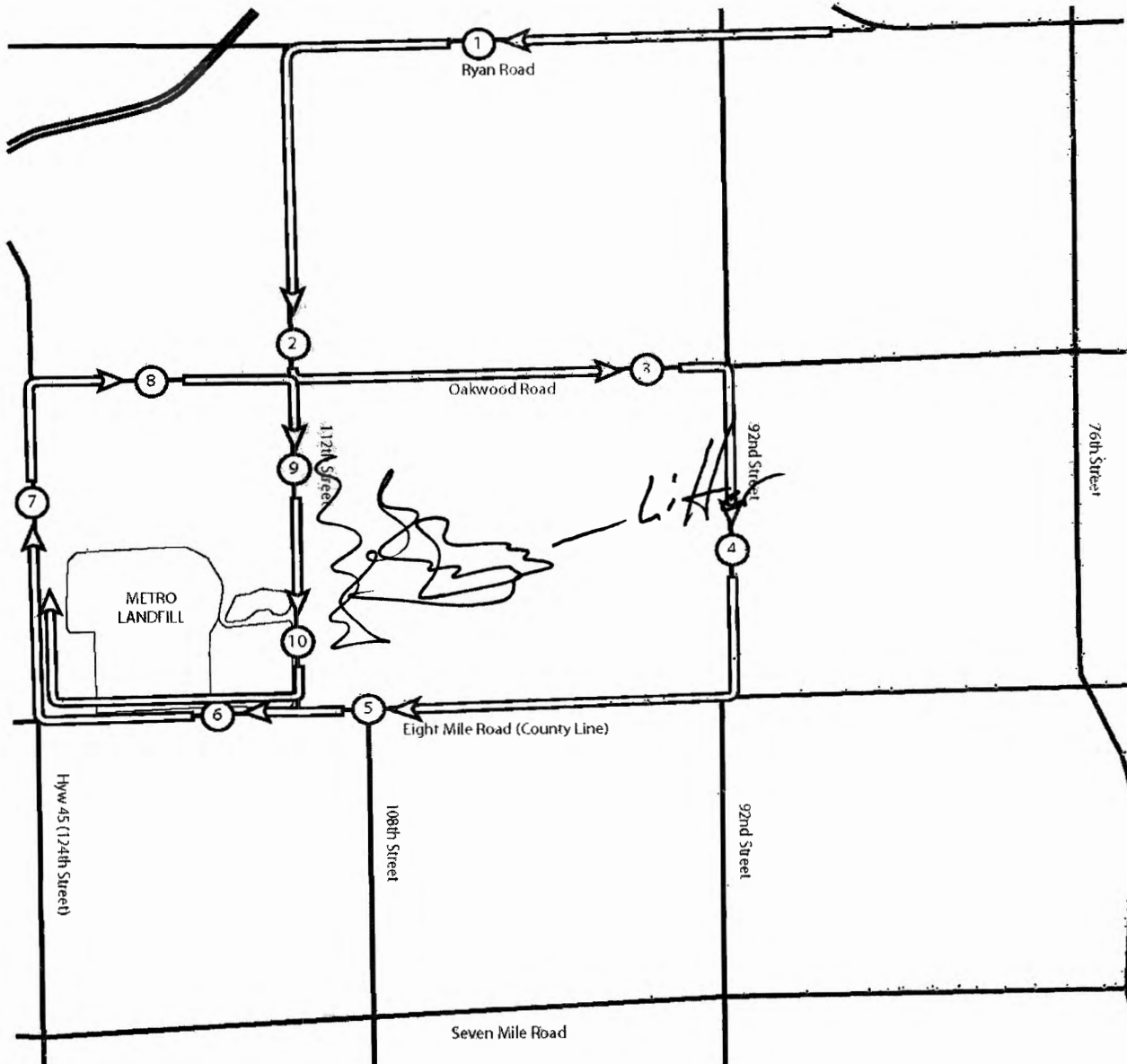
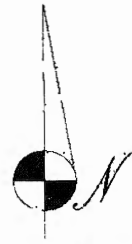
**JSA**  
1010 N. Palmer  
Milwaukee WI 53212  
CIVIL ENVIRONMENTAL  
ENGINEERS



# WMWI - METRO LANDFILL

## Odor Monitoring Route Map

Off-site odor monitoring route. Numbers denote monitoring stop.



# WMWI - Metro Landfill, *AUDIT PHOTOS*

PROJECT NO. 1036.10056



Phases 7 thru 9 viewed from the West





Special waste tipping in Southwest corner of Phase 6



North slope of Phase 6 & 7 viewed from West



Working face in junction of Phase 8 and 9



Northeast corner of Metro Facility





Phase 8 viewed from the Southwest



Junction between Phases 6, 7, & 8 viewed from West



Phase 8 viewed from the West



South slope of Phase 6 & 7





Three pickers collecting exposed litter on West perimeter of site



West slope of Phase 8 & 9, litter covered by snow





## Memorandum

### Metro Recycling and Disposal Facility Audit Summary

**TO:** Waste Management Wisconsin, Inc. Metro Recycling and Disposal Facility (METRO) Monitoring Committee - City of Franklin

**FROM:** Faith Spear

**COPIES:** File

**DATE:** 07/05/17

**PROJECT NUMBER:** 1036

---

Attached is the weekly audit report of activities at the Waste Management Metro Recycling and Disposal Facility for the week of March 26, 2017. The Audit was performed at 10:00 AM, on **March 28, 2017** by Jo Spear Jr. in the presence of Travis Thorson, District Manager.

The following bullet items were developed from the **Operations** Audit:

- Sunny, clear day: high clouds
- Working face at toe of slope in Phase 8
  - No other working faces
- Previous cover in good condition
- One compactor, two bulldozers and one excavator in use on site
- Daily cover composed of soils recovered from Phase 7
  
- All leachate discharging to MMSD; no recirculation
- One flare, 1 Turbine and 4 Engines operating
  - Flare lit due to earlier shutdown
    - Will probably be extinguished later today
  - Gas destruction 3,000 cfm
  - One shut down since last audit
  
- Two storms since last audit; nearly 3"
  - Heavy storm on 3/23 created erosion on East slope of landfill
- Ditch cleaning required when weather conditions permit
  
- No odors
  
- Liquid loads tipped in Phase 8 working face
  - Debris from liquids; plastic and metal totes left in working face
  
- Litter present on-site and off-site
  - Still clearing debris blown about by windstorm in early March
  - Seven litter pickers at work
- US 45 and 8-Mile Rd clean salty and slushy
  - Site perimeter road heavily eroded

#### Attachments:

Action Items List  
Landfill Operations Audit Form  
Landfill Audit Photos

- Tipping scale camera and 3 equipment operators at work; no spotter
- Average tonnage received; 1,250 TPD
  - Waste being tipped is MSW
  - No rejected loads
  - Random load inspection 3/24/17
- Residential drop-off open during audit
  - Drop-off area clean
  - Boxes recently emptied

Comments:

- Site recovering from heavy wind and rain storms
  - Created serious litter and erosion issues
  - Both issues were being addressed during this audit
- Off-site litter will be addressed in dryer conditions

Attachments:

Action Items List  
Landfill Operations Audit Form  
Landfill Audit Photos

WMWI - METRO LANDFILL								
Action Items Checklist City of Franklin Audit								
Opened:      12/02/2015					Updated:			
Item Number	DATE	Condition Description	Permit or Contract Reference	Reported to	Initial Schedule for Completion	Actual Completion Date	Elapsed Time (Days)	Notes
1	12/02/2015	Offsite litter on ground and in trees West of 112th Street.	Host Agreement & NR 500	Travis Thorson	ASAP	12/24/2015	22	Offsite litter present over two audits
1	03/30/2016	Offsite litte on ground and in trees along 112th Street	Host Agreement & NR 500	Dan Otzelburger	ASAP	06/18/2016	80	Offsite litter present over two audits
1	01/31/2017	Offsite litte on ground and in trees along 112th Street	Host Agreement & NR 500	Travis Thourson	ASAP			

---

Updated:

WMWI – METRO LANDFILL  
LANDFILL OPERATIONS AUDIT FORM  
CITY OF FRANKLIN

PROJECT NO. 1036.10056

DATE March 28, 2017

TIME 10:00

Auditor on site at: Open ☐ Close ☐

WEATHER Sunny Clear, high clouds

WIND 0-10  
N S E W

TEMP Maximum 43 °F Minimum 34 °F B.P. 30.10

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						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance
<u>1</u>	<u>Water Truck</u>	<u>✓</u>					

A. Working Face Size and Location:

Working face at toe of slope of Phase  
8. ~~Later~~ Previous cover in good  
condition. No other working faces



Cover Material:

Recover soils from Phase 7

B. Leachate Management:

Discharge to MMSP



C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Turbines in	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Engines in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	4
Shutdowns Since Last Audit:	# 1			
Destructed Volume:	# 3,000 cfm			

Comments:

Flare on due to earlier shutdown.

Will probably be extinguished in PM

D. Surface Water Management:

Storm Events Since Last

# 2

Est. Volume

23"

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

Heavy storm on 3/23 created erosion

on ~~East~~ East slopes of landfill.

Ditch cleaning when weather and conditions permit

E. Odor Control:

Odors Present:

Onsite



Offsite



Notes on odor monitoring page



Comments:

No odors

F. Liquid Loads Received:

Waste Totes crushed in Working face

G. Litter Control:

Litter Present Onsite:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	
Litter Present Offsite:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	
Pickers Active:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	# 7

Comments:

Still clearing from wind storms in early march

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

US 43 & 8 Mile Clear  
Perimeter road heavily eroded

I. Inspection of incoming Waste:

Scale Camera Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Equipment Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	3
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	3/24/17			
Average Tonnage:	1,250			

Comments:

MSW

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

L. Residential Drop Off: Open During Audit ☐

Drop off done, boxes empty

L. Other Comments:

- \* Site recovering from heavy rain event and wind storms creating litter and erosion issues. Both being addressed during audit
- \* Off-site litter will be addressed in dryer cond. & fumes

Auditor's Signature:

Auditor's Printed Name:

Jo-Walter Spear, Jr.

Management Signature:

Management Printed Name:

Travis Thorson

Management Title:

District Manager

JSA Principal Signature

Date:

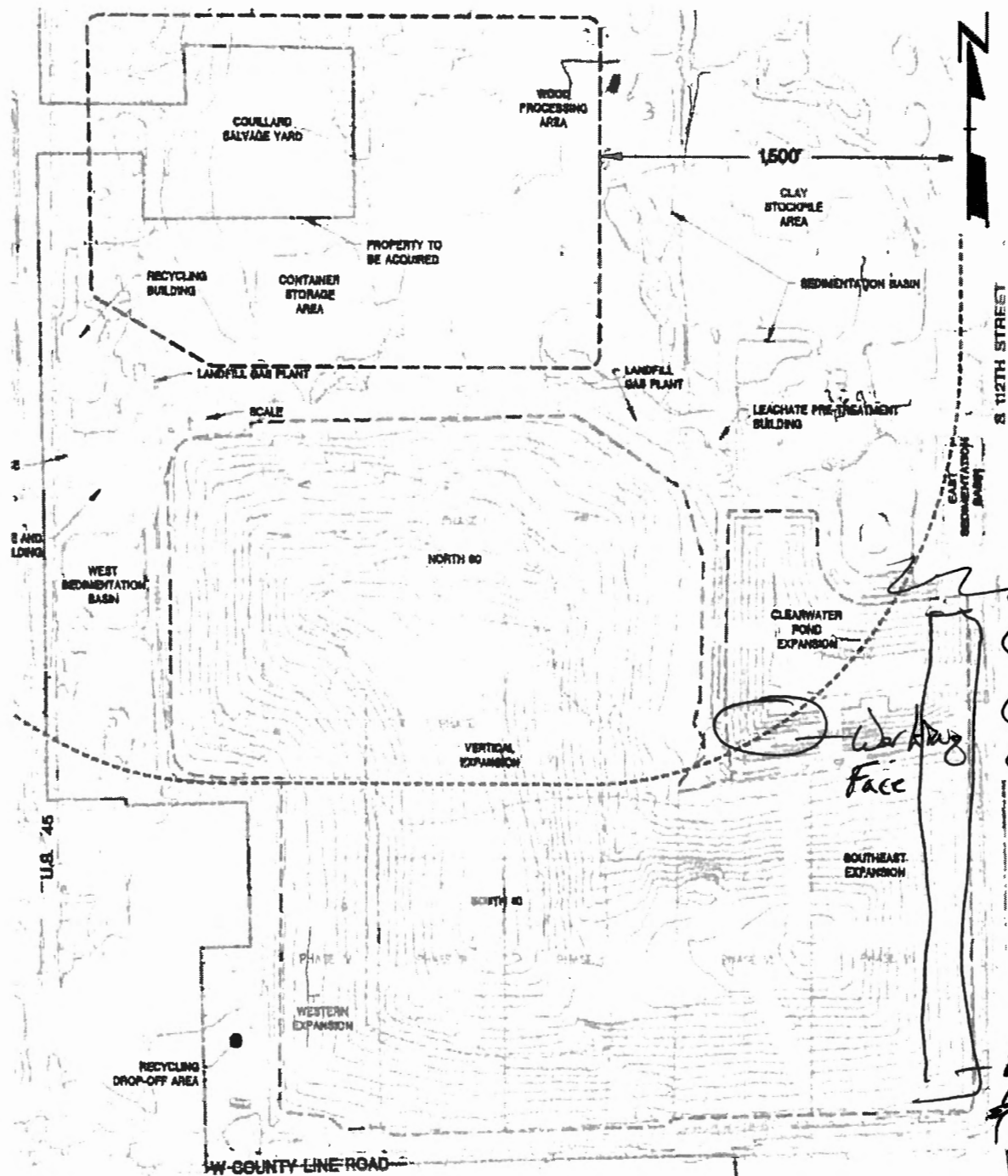
3/28/17

Date:

3/28/17

Date:





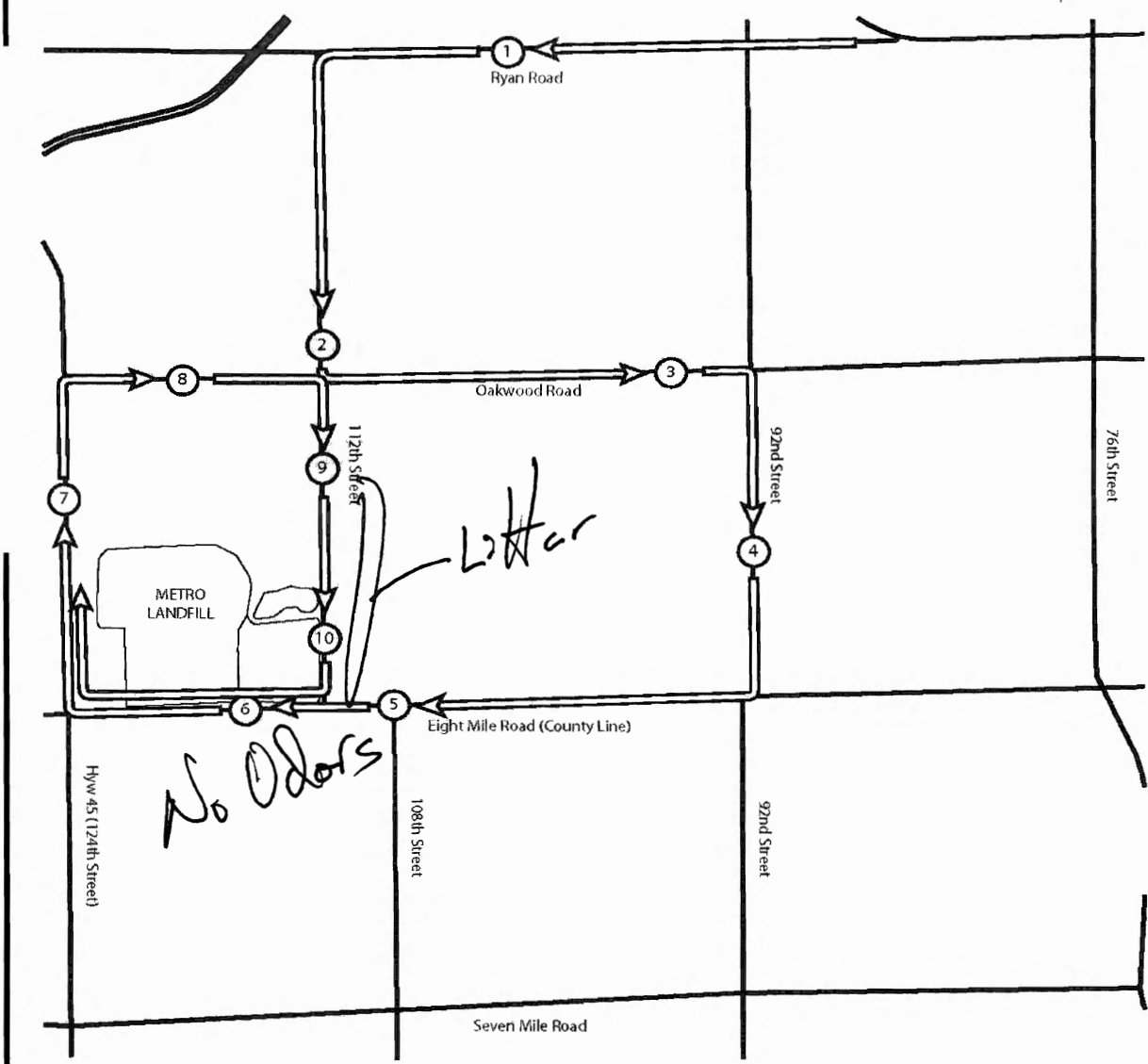
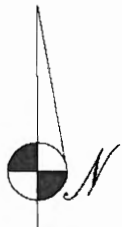
WMWI -Metro Recycling and Waste Management Facility  
 Landfill Audit Map  
 City of Franklin  
 Project No. 1036.10056

**JSA**  
 3910 N. Palmer  
 Milwaukee, WI 53212  
**CIVIL ENVIRONMENTAL  
 ENGINEERS**

# WMWI - METRO LANDFILL

## Odor Monitoring Route Map

Off-site odor monitoring route. Numbers denote monitoring stop.



# WMWI - Metro Landfill, *AUDIT PHOTOS*

PROJECT NO. 1036.10056



North slope of Phases 6 & 7





Phase 6 thru 9 viewed from the West



Phase 9 viewed from the West





Working face in Phase 8



Working face in Phase 8, West of the manhole



Phase 8 viewed from the Northwest, Phase 7 in the background



North slope for Phases 6 & 7, some erosion





Northwest corner of Phase 9



Litter along East slopes of Phases 7 thru 9





Three pickers collecting exposed litter on West perimeter of site



West slope of Phase 8 & 9, litter covered by snow



**April**



## Memorandum

### Metro Recycling and Disposal Facility Audit Summary

**TO:** Waste Management Wisconsin, Inc. Metro Recycling and Disposal Facility (METRO) Monitoring Committee - City of Franklin

**FROM:** Faith Spear

**COPIES:** File

**DATE:** 7/7/17

**PROJECT NUMBER:** 1036

---

Attached is the weekly audit report of activities at the Waste Management Metro Recycling and Disposal Facility for the week of April 9, 2017. The Audit was performed at 11:15 AM, on **April 13, 2017** by Jo Spear Jr. in the presence of Travis Thorson, District Manager.

The following bullet items were developed from the **Operations** Audit:

- Overcast morning; possible rain; low clouds
- Working face in Phase 9; north of the manhole
  - Previous working faces have been around manhole
  - Working area to bring phase to grade
- One compactor, two bulldozers, one excavator and one haul truck in use on site
- Using soil recovered from ditch cleaning project as daily cover
  
- All leachate discharging to MMSD; no recirculation
- No flares, 1 Turbine and 4 Engines in operation
  - Flare lit once since last audit due to high gas volume
  - Gas destruction 2,637 cfm
  - No shut downs since last audit
  
- Multiple storms, some heavy, since last audit; about 3" of rain
  - Several storms at end of March and beginning of April
  - Basins still have some free board
  - Slopes have been heavily eroded
  
- No odors
- Liquid load received during audit
  
- Litter present on, as well as, off-site
  - 4 pickers working during audit
  - Concentrating on litter along perimeter road
- US 45 and 8-Mile Rd clean; site roads gritty
  - Perimeter road heavily rutted
  
- Tipping scale camera and 3 equipment operators at work; no spotter
- Receiving an average of 1,330 TPD
  - Waste being tipped is MSW, bio-solids, special wastes and bio-soils No rejected loads

**Attachments:**

Action Items List  
Landfill Operations Audit Form  
Landfill Audit Photos

- Random load inspection 4/7/17
- No rejected loads
- Residential drop-off clean
  - Boxes mostly empty

Comments:

- Ditches being cleaned to help control site erosion issues
  - Slopes will be restored as weather conditions allow
- Staff wrapping manhole with liner material in preparation for filling around it

Attachments:

Action Items List  
Landfill Operations Audit Form  
Landfill Audit Photos

**WMWI - METRO LANDFILL**  
**Action Items Checklist**  
**City of Franklin Audit**

Opened: 12/02/2015				Updated:				
Item Number	DATE	Condition Description	Permit or Contract Reference	Reported to	Initial Schedule for Completion	Actual Completion Date	Elapsed Time (Days)	Notes
1	12/02/2015	Offsite litter on ground and in trees West of 112th Street.	Host Agreement & NR 500	Travis Thorson	ASAP	12/24/2015	22	Offsite litter present over two audits
1	03/30/2016	Offsite litte on ground and in trees along 112th Street	Host Agreement & NR 500	Dan Otzelburger	ASAP	06/18/2016	80	Offsite litter present over two audits
1	01/31/2017	Offsite litte on ground and in trees along 112th Street	Host Agreement & NR 500	Travis Thourson	ASAP			

Updated:

WMWI – METRO LANDFILL  
LANDFILL OPERATIONS AUDIT FORM  
CITY OF FRANKLIN

PROJECT NO. 1036.10056

DATE April 13, 2017

Auditor on site at: ☒ Open

☐

Close

☐

TIME 11:15

WEATHER

Overcast, possible rain, low clouds

WIND

10-15

N S E W

TEMP Maximum

47

°F Minimum

41

°F

B.P.

30.39

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						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face in Phase 9 ~~at~~ North of the  
man hole. Previous working faces about  
man hole bring the Phase to grade.

**JSA Environmental**

Cover Material:

Ditch cleaning soils

B. Leachate Management:

Discharge to MMSD



C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	
Turbines in	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	1
Engines in	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	4
Shutdowns Since Last Audit:	#	0				
Destructed Volume:	#	2637				cfm

Comments:

Flare lit since last audit due to high gas volume

D. Surface Water Management:

Storm Events Since Last

# 51

Est. Volume

23"

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

Several storms in end of March, start of April. Basins have ice bound. <sup>East</sup> slopes heavily eroded

E. Odor Control:

Odors Present:

Onsite



Offsite



Notes on odor monitoring page



Comments:

No odors

F. Liquid Loads Recieved:

During Audit



G. Litter Control:

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

Comments:

Pickers active on site during audit, picking along perimeter 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 & 8 Mile road clean

Site roads gritty, perimeter road heavily rutted

I. Inspection of incoming Waste:

Scale Camera	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:						4/2/17
Average Tonnage:						1,330

Comments:

MSW, Biosolids, Special, and bio soil

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

L. Residential Drop ☐ Open During Audit ☐

Drop off clean, boxes mostly empty

L. Other Comments:

\* Site addressing erosion with ditch  
cleaning. Slope restoration when weather  
conditions allow

\* Manhole being wrapped with liner  
material prior to fill about it  
~~Manhole was~~

\*

Auditor's Signature: 

Auditor's Printed Name: \_\_\_\_\_

Management Signature: 

Management Printed Name: Travis Thorson

Management Title: DM

JSA Principal Signature \_\_\_\_\_

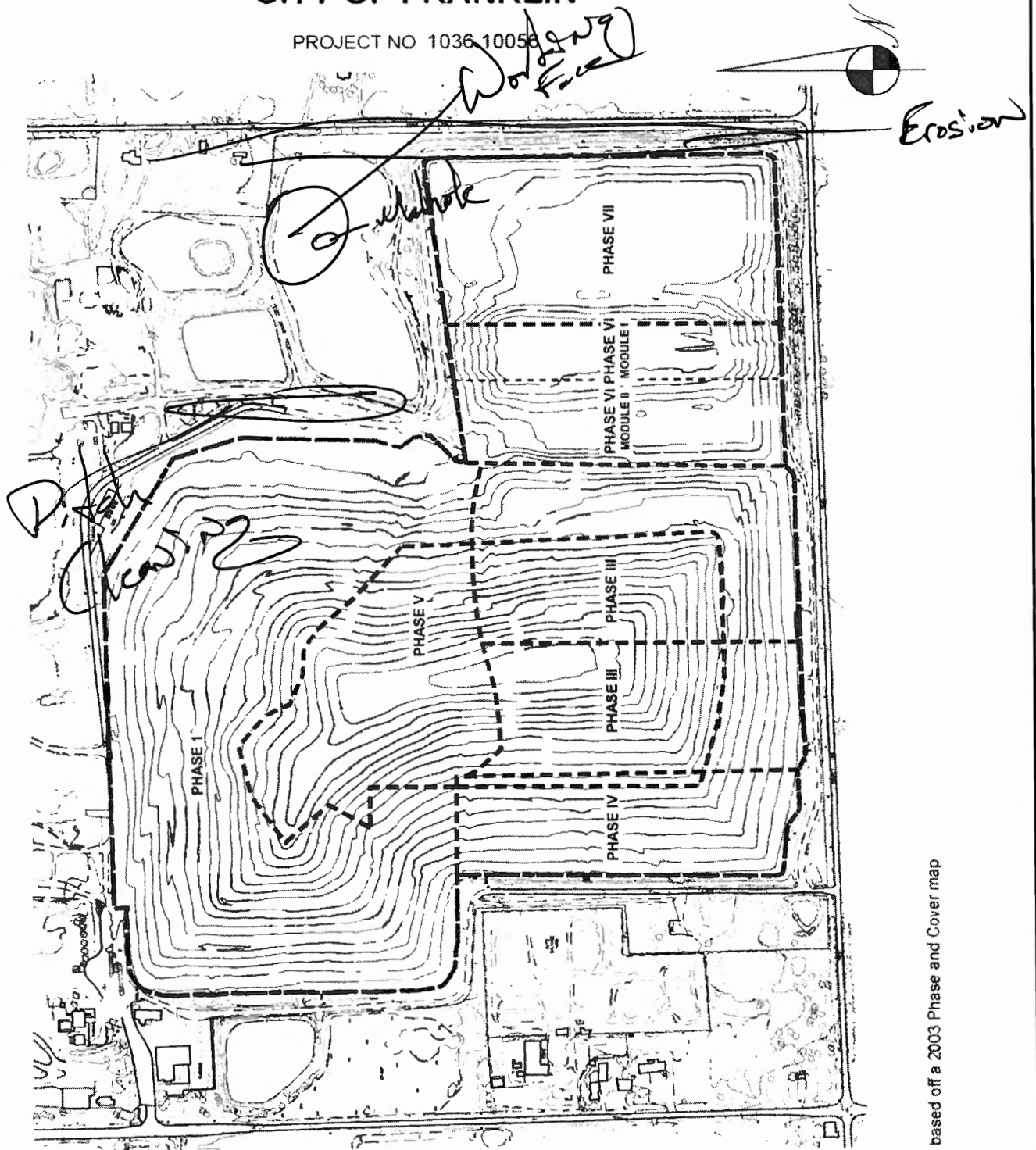
Date: 4/13/17

Date: 4/13/17

Date: \_\_\_\_\_

# WMWI - METRO LANDFILL LANDFILL AUDIT MAP CITY OF FRANKLIN

PROJECT NO 1036-10058

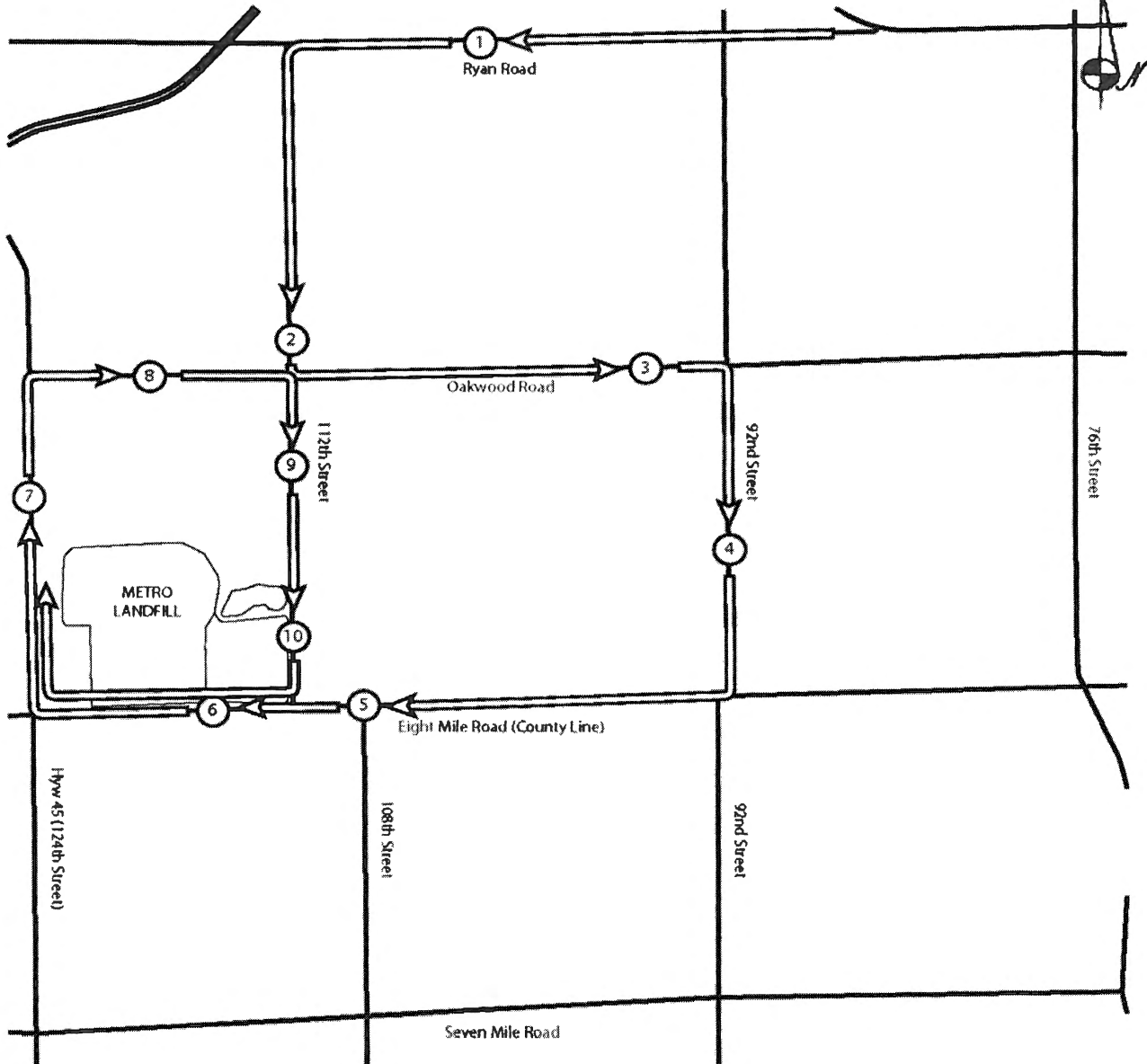


based off a 2003 Phase and Cover map

# WMWI - METRO LANDFILL

## *Odor Monitoring Route Map*

Off-site odor monitoring route. Numbers denote monitoring stop.



# WMWI - Metro Landfill, *AUDIT PHOTOS*

PROJECT NO. 1036.10056



Phases 6 & 7 North slope viewed from West





Phase 8 viewed from West



Phase 9 viewed from the West



Waste about manhole brought up to grade with surrounding lifts



Liquid load tipping Southeast of Manhole





Litter collection at Southeast corner of Phase 9



Ditch cleaning at Southwest corner of Phase 9



Ditch cleaning at Southwest corner of Phase 9



Litter collected on East side of landfill footprint



## Memorandum

### Metro Recycling and Disposal Facility Audit Summary

**TO:** Waste Management Wisconsin, Inc. Metro Recycling and Disposal Facility (METRO) Monitoring Committee - City of Franklin

**FROM:** Faith Spear

**COPIES:** File

**DATE:** 7/6/17

**PROJECT NUMBER:** 1036

---

Attached is the weekly audit report of activities at the Waste Management Metro Recycling and Disposal Facility for the week of April 23, 2017. The Audit was performed at 1:05 PM, on **April 26, 2017** by Jo Spear Jr. in the presence of Travis Thorson, District Manager.

The following bullet items were developed from the **Operations** Audit:

- Overcast sky; mix of sun and rain showers
- Working face in Phase 8, around manhole
  - Filling with wastes to match grade in Phase 9
  - Grading to reduce leachate development
- One compactor and two bulldozers use on site
  - Water truck out-of-service until repaired
- Soils previously tipped in Phase 6 recovered for use as daily cover
  
- All leachate discharging to MMSD; no recirculation
- One flare, 1 Turbine and 3 Engines in operation
  - Flare lit to handle increased landfill gas volume
  - Gas destruction 2,790 cfm
  - One shut down since last audit to snap out header
  
- About 6 storm events since last audit; 2" of rainfall
  - Basins still have some freeboard
  - Some slope restoration has been done recently
  - Ditch cleaning in process
  
- Odors on-site; clear off-site
- Strong organic odors in area of working face
- 75,000 gal of liquid waste expected
  
- Litter present on-site and off-site
  - Off-site litter mostly in trees
  - On-site litter heaviest on North slope of Phase 9
  - Two litter pickers working
- Site roads wet and gritty; Off-site roads are clean
  - Perimeter road especially rough

#### Attachments:

Action Items List  
Landfill Operations Audit Form  
Landfill Audit Photos

- Tipping scale camera and 3 equipment operators at work; no spotter
- Receiving about 1,362 TPD
  - Waste being tipped is MSW, small volume alternative daily cover, bio-soils and liquids
  - No rejected loads
  - Random load inspection 4/21/17
- Residential drop-off open during audit
  - Drop-off area clean
  - Vegetation pile quite large

Comments:

- Diversion berms are under construction
- Fill around manhole has reached area grades
- Ditch cleaning continues

Attachments:

Action Items List  
Landfill Operations Audit Form  
Landfill Audit Photos

WMWI - METRO LANDFILL								
Action Items Checklist City of Franklin Audit								
Opened:      12/02/2015					Updated:			
Item Number	DATE	Condition Description	Permit or Contract Reference	Reported to	Initial Schedule for Completion	Actual Completion Date	Elapsed Time (Days)	Notes
1	12/02/2015	Offsite litter on ground and in trees West of 112th Street.	Host Agreement & NR 500	Travis Thorson	ASAP	12/24/2015	22	Offsite litter present over two audits
1	03/30/2016	Offsite litte on ground and in trees along 112th Street	Host Agree-ment & NR 500	Dan Otzelburger	ASAP	06/18/2016	80	Offsite litter present over two audits
1	01/31/2017	Offsite litte on ground and in trees along 112th Street	Host Agree-ment & NR 500	Travis Thourson	ASAP			

---

Updated:

WMWI – METRO LANDFILL  
LANDFILL OPERATIONS AUDIT FORM  
CITY OF FRANKLIN

PROJECT NO. 1036.10056

DATE April 26, 2017

Auditor on site at: ☒ Open ☐ Close ☐

TIME 1:05

WEATHER Overcast, some sun & some rain

WIND 10-35  
☒ N ☐ S ☐ E ☐ W

TEMP Maximum 69 °F Minimum 45 °F B.P. 29.41

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						

MAJOR EQUIPMENT BONEYARD

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

A. Working Face Size and Location:

Working face in Phase 8 about men hole  
bring waste grades up to match Phase 9  
grades and reduce leachate development

**JSA Environmental**



Cover Material:

Soils recovered from stage 6 soil tipping

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	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	4
Engines in	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	4
Shutdowns Since Last Audit:	#					1
Destructed Volume:	#					2,770 cfm

Comments:

Shutdown to swap out header  
Flare lit to handle increased LFG Volume

D. Surface Water Management:

Storm Events Since Last

# 26

Est. Volume

22"

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

Basins have freeboard. Some slope restoration  
and ditch cleaning completed

E. Odor Control:

Odors Present:

Onsite



Offsite



Notes on odor monitoring page



Comments:

Strong organic odors about working face

F. Liquid Loads Recieved:

75,000 gals scheduled

G. Litter Control:

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

Comments:

Off site litter in trees only  
Onsite litter on North slope of Hume 9

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

Site roads wet & drifty, Perimeter road very rough. Offsite roads clean

I. Inspection of incoming Waste:

Scale Camera	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"/>	#	3
Random Load Inspection Dates:	4/21/17					
Average Tonnage:	1,362 TPD					

Comments:

MSW, small volume AEC, Bio, and Liquid

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

L.

Residential Drop	Open During Audit	<input checked="" type="checkbox"/>
------------------	-------------------	-------------------------------------

Resi-drop off clean Vegetation pile large

L. Other Comments:

- \* diversion berms under construction to reduce erosion
- \* fill about manhole brought up to area grades
- \* Ditch cleaning ongoing

Auditor's Signature: \_\_\_\_\_

Auditor's Printed Name: \_\_\_\_\_

Management Signature: \_\_\_\_\_

Management Printed Name: \_\_\_\_\_

Management Title: \_\_\_\_\_

JSA Principal Signature: \_\_\_\_\_

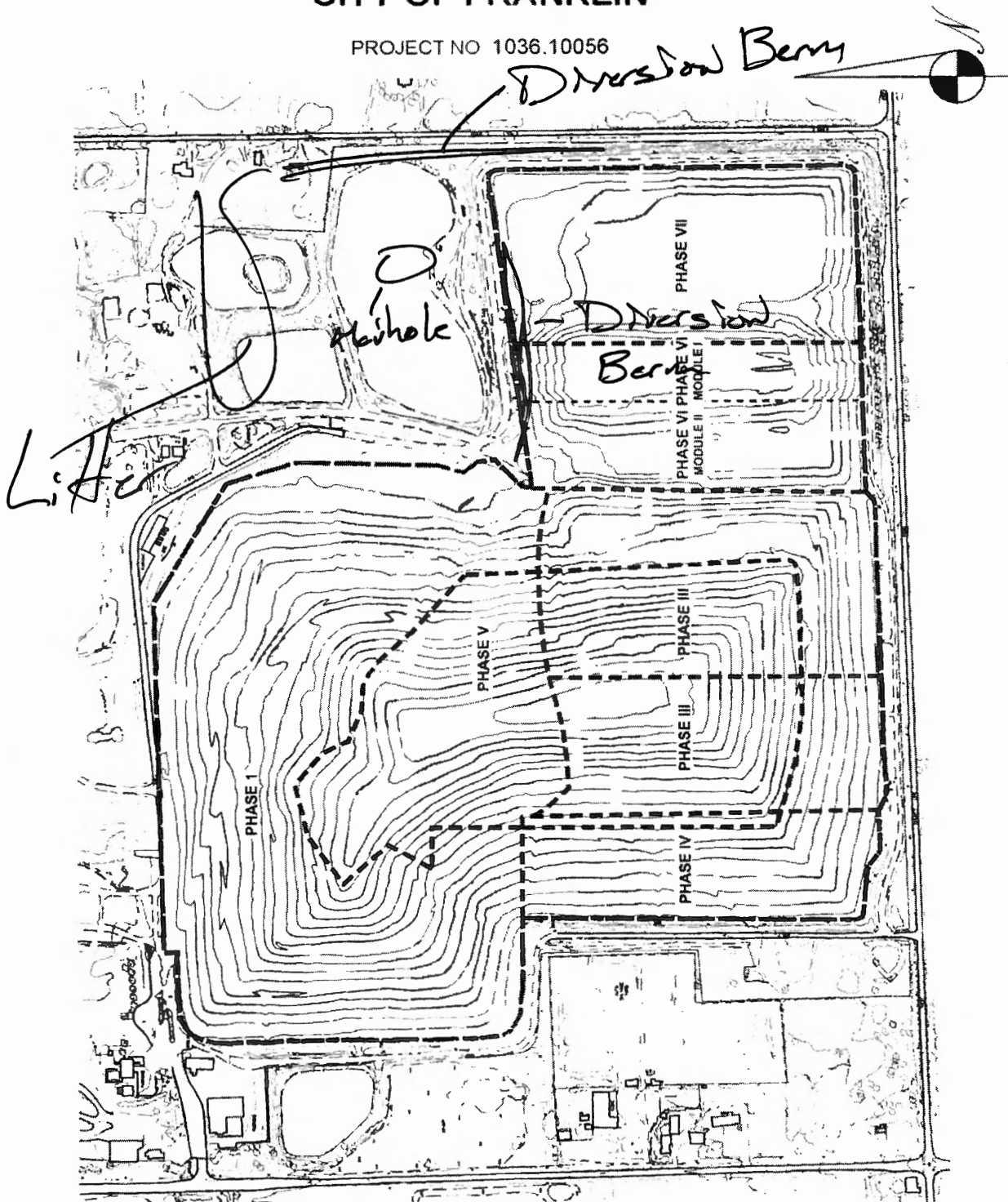
Date: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

# WMWI - METRO LANDFILL LANDFILL AUDIT MAP CITY OF FRANKLIN

PROJECT NO 1036.10056



based off a 2003 Phase and Cover map

# WMWI - METRO LANDFILL

## Odor Monitoring Route Map

Off-site odor monitoring route. Numbers denote monitoring stop.



# WMWI - Metro Landfill, ***AUDIT PHOTOS***

PROJECT NO. 1036.10056



Phases 6 & 7 North slope viewed from West



2410 N. Palmer Street  
Milwaukee, WI 53212





Phases 6 thru 8 viewed from the West



Development of diversion berms on Phases 6 & 7



Phase 8 viewed from the West



Working face about manhole in Phase 8



West slope of Phase 9



Flare lit during audit, gas volumes high





North slope of Phase 6, extra soil being harvested and used to make diversion berms



Northwest corner of Phase 9



Typical slope conditions on East slope of Phase 8 & 9, will be addressed when equipment can access slopes



Typical slope conditions on East slope of Phase 8 & 9, will be addressed when equipment can access slopes



**May**





## Memorandum

### Metro Recycling and Disposal Facility Audit Summary

**To:** Waste Management Wisconsin, Inc. Metro Recycling and Disposal Facility (METRO) Monitoring Committee - City of Franklin

**FROM:** Faith Spear

**COPIES:** File

**DATE:** 7/10/17

**PROJECT NUMBER:** 1036

---

Attached is the weekly audit report of activities at the Waste Management Metro Recycling and Disposal Facility for the week of May 14, 2017. The Audit was performed at 1:30 PM, on **April 19, 2017** by Jo Spear Jr. in the presence of Travis Thorson, District Manager.

The following bullet items were developed from the **Operations** Audit:

- Rain with low clouds and gusty winds
- Working face on North slope of Phase 7
  - Moving from East to West
  - Bio-soils and Asbestos tipped in Phase 6
- One compactor, two bulldozers, one haul truck and one loader in use on site
- Using incoming loads of soil from DOT project for daily cover
  - Expecting about 30,000 tons
- All leachate discharging to MMSD; no recirculation
- One flare, 1 Turbine and 3 Engines in operation
  - Flare lit throughout week
  - Head issues requiring shut down of one engine
  - Gas destruction 2,400 cfm
  - One shut down since last audit
- Three storm events since last audit; about 1 ½ "
  - Raining today and showers early in May
  - Basins have plenty of freeboard
  - Ditches require cleaning
- No odors
- Regular liquid loads arriving ; three per day
- Litter present on-site; clear off-site
  - Two pickers active
  - On-site litter restricted by wet weather
  - Off-site litter Action Item closed
- US 45 and 8-Mile Rd clean
  - Site road about perimeter very rough

**Attachments:**

Action Items List  
Landfill Operations Audit Form  
Landfill Audit Photos

- Tipping scale camera and 3 equipment operators at work; no spotter
- Receiving 2610 to 3,000 TPD of wastes
  - Waste being tipped is MSW, special wastes and currently a large volume of soil
  - No rejected loads
  - Random load inspection 5/19/17
- Residential drop-off open during audit
  - Many full boxes
  - Large volume of green waste

Comments:

- Diversion berms on Phases 6&7 are complete
- Leachate seep repair at Northwest toe of Phase 6 is on-going
  - Repair requires installing 600' of french-style drain
- Ditch cleaning required around Phases 7, 8 and 9
- Compost application and seeding have been completed on West slope of Phase 9

Attachments:

Action Items List  
 Landfill Operations Audit Form  
 Landfill Audit Photos

WMWI - METRO LANDFILL Action Items Checklist City of Franklin Audit								
Opened:      12/02/2015					Updated:			
Item Number	DATE	Condition Description	Permit or Contract Reference	Reported to	Initial Schedule for Completion	Actual Completion Date	Elapsed Time (Days)	Notes
1	12/02/2015	Offsite litter on ground and in trees West of 112th Street.	Host Agreement & NR 500	Travis Thorson	ASAP	12/24/2015	22	Offsite litter present over two audits
1	03/30/2016	Offsite litte on ground and in trees along 112th Street	Host Agree-ment & NR 500	Dan Otzelburger	ASAP	06/18/2016	80	Offsite litter present over two audits
1	01/31/2017	Offsite litte on ground and in trees along 112th Street	Host Agree-ment & NR 500	Travis Thourson	ASAP			

---

Updated:

WMWI – METRO LANDFILL  
LANDFILL OPERATIONS AUDIT FORM  
CITY OF FRANKLIN

PROJECT NO. 1036.10056

DATE May 19, 2017

TIME 1:30

Auditor on site at: ☒ Open ☐ Close ☐

WEATHER Rein, low clouds, gusty

WIND 15-25  
N S E W

TEMP Maximum 46 °F Minimum 43 °F B.P. 30.17

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

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

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face on North slope of  
Phase 7 working from East to West.  
Big soil & Asbestos tipped in Phase 6

**JSA Environmental**

Cover Material:

Soils from DOT Project, Expected 30,000 tons

B. Leachate Management:

Discharge to MMSP



C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Turbines in	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Engines in	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	3
Shutdowns Since Last Audit:	#			
Destructed Volume:	#	2,400	cfm	

Comments:

Had issues on one engine  
flare lit throughout week

D. Surface Water Management:

Storm Events Since Last

# 3

Est. Volume

~1,54

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

Rain event today. Events at beginning  
of May as well. Basins have plenty  
of freeboard. Ditches require cleaning

E. Odor Control:

Odors Present:

Onsite ☐

Offsite ☐

Notes on odor monitoring page ☐

Comments:

No odors

F. Liquid Loads Received:

Three times per day

G. Litter Control:

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

Comments:

Offsite Litter Action Item closed  
onsite litter restricted by wet weather

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 & B-Mile Road clean  
Site roads about perimeter very rough

I. Inspection of incoming Waste

Scale Camera	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	1
Equipment Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	3
Spotter:	YES	<input type="checkbox"/>	NO	<input type="checkbox"/>	#	
Random Load Inspection Dates:	5/19/17 3/19/17					
Average Tonnage:	5/19/17 2,610 ~ 3,000 at end of day					

Comments:

MOW, special, and large soil job

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		
2.		

L.

Residential Drop	Open During Audit	<input checked="" type="checkbox"/>
------------------	-------------------	-------------------------------------

Many full boxes, large volume of green waste



L. Other Comments:

\* Diversion berms on Phase 6 & 7  
North slopes complete

\* Leachate seep repair at ~~South~~ Northwest  
toe of slope Phase 6 ongoing.  
Using 600' french drain style repair

\* Ditch cleaning required about Phase 7, 8 & 9

\* Compost and seeding complete  
on West slope of Phase 9.

Auditor's Signature: \_\_\_\_\_

Auditor's Printed Name: \_\_\_\_\_

Management Signature: \_\_\_\_\_

Management Printed Name: \_\_\_\_\_

Management Title: \_\_\_\_\_

JSA Principal Signature \_\_\_\_\_

Jo-Walter Spear, Jr

Travis Thorpe  
Dm

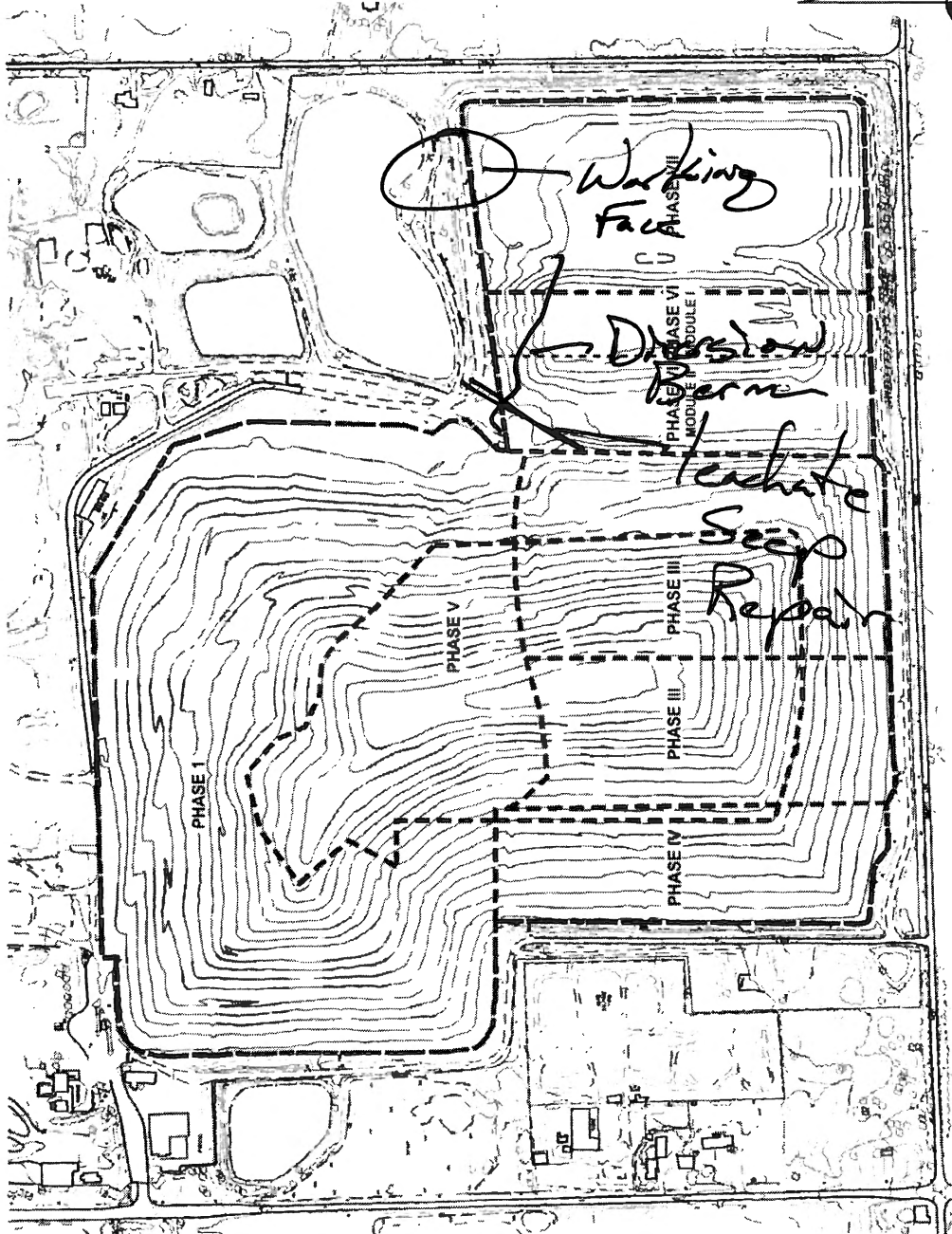
Date: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

WMWI - METRO LANDFILL  
LANDFILL AUDIT MAP  
CITY OF FRANKLIN

PROJECT NO 1036.10056

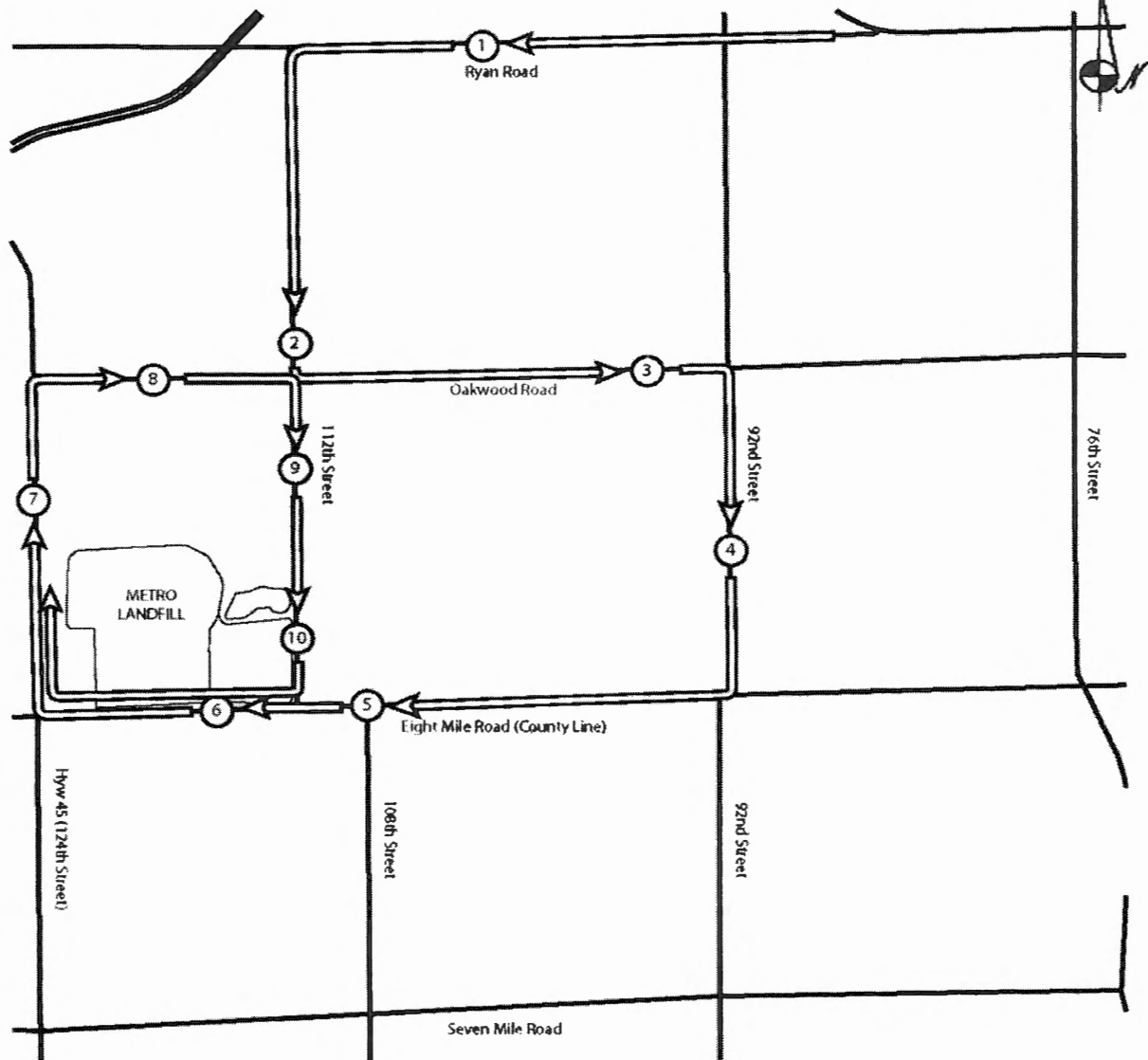


based off a 2003 Phase and Cover map

# WMWI - METRO LANDFILL

## Odor Monitoring Route Map

Off-site odor monitoring route. Numbers denote monitoring stop.



# WMWI - Metro Landfill, ***AUDIT PHOTOS***

PROJECT NO. 1036.10056



North slope of Phase 6 & 7, seep repair in bottom right of photo





Trenching to repair seep with pipe system



Phase 6 thru 9 slopes.





Phase 8 viewed from the West



Working face in junction between Phase 7 & 8





Compost placed on slope for seeding



Working face viewed from the West



Compost placed on slope for seeding



Compost placed on slope for seeding



Excavation to repair seep with trench and pipe system



East slope of Phase 8 & 9, erosion will require repairs in dryer weather





East slope of Phase 8 & 9, erosion will require repairs in dryer weather



Junction the East slope of Phase 7 between intermediate cover and final cover



## Memorandum

### Metro Recycling and Disposal Facility Audit Summary

**TO:** Waste Management Wisconsin, Inc. Metro Recycling and Disposal Facility (METRO) Monitoring Committee - City of Franklin

**FROM:** Faith Spear

**COPIES:** File

**DATE:** 7/11/17

**PROJECT NUMBER:** 1036

---

Attached is the weekly audit report of activities at the Waste Management Metro Recycling and Disposal Facility for the week of May 21, 2016. The Audit was performed at 1:10 PM, on **May 24, 2017** by Jo Spear Jr. in the presence of Travis Thorson, District Manager.

The following bullet items were developed from the **Operations** Audit:

- Overcast; intermittent rain
- Working face on slope of Phase 7 against Phase 8
- Cover has been well placed in Phases 8 & 9
  - Especially well-covered around manhole
- One compactor, two bulldozers and one haul truck in use on site
- Incoming soil loads tipped this week and tarps providing daily cover
  
- All leachate discharging to MMSD; no recirculation
- One flare, 1 Turbine and 4 Engines in operation
  - Gas production has been steady
    - Current destruction about 3,100 cfm
  - Flare in use continuously as increased gas volume requires
  - No shut downs since last audit
  
- 3 storms since last audit; about 1.5"
  - Rain has been nearly continuous since last audit
  - Water elevations in basins is high
  - Ditches actively flowing
    - Ditches need to be cleaned
  
- Odors on-site; additional notes on odor monitoring page
  - Garbage odor on South side of site
- Liquid loads tipped into fill above working face in Phase 7
  
- Litter present on-site; clear off-site
  - Litter mostly in ditches
  - Two litter pickers
  - Less mobile litter due to rain

#### Attachments:

Action Items List  
Landfill Operations Audit Form  
Landfill Audit Photos

- US 45 and 8-Mile Rd wet, but clean
  - Entrance area muddy
  - Site roads rutted and muddy
- Tipping scale camera and 3 equipment operators at work; no spotter
- Receiving approximately 1,600 TPD
  - Waste being tipped is MSW, soils, special wastes and liquids
  - No rejected loads
  - Random load inspection 5/20/17
- Residential drop-off open during audit
  - Site well-used
  - Boxes full, but area clean
  - Green waste being processed

Comments:

- Slopes on site are being maintained
  - On-going compost placement and seeding operations
- New trench cut in Phase 7 daily for tipping of liquid loads
- Ditches around perimeter need cleaning
- 
- Note from Odor monitoring;
  - Marshy odor coming from stagnant water pooled just off-site along South side of 8 Mile Road
  - Smells like garbage

Attachments:

Action Items List  
 Landfill Operations Audit Form  
 Landfill Audit Photos



**WMWI - METRO LANDFILL**  
**Action Items Checklist**  
**City of Franklin Audit**

Opened: 12/02/2015				Updated:				
Item Number	DATE	Condition Description	Permit or Contract Reference	Reported to	Initial Schedule for Completion	Actual Completion Date	Elapsed Time (Days)	Notes
1	12/02/2015	Offsite litter on ground and in trees West of 112th Street.	Host Agreement & NR 500	Travis Thorson	ASAP	12/24/2015	22	Offsite litter present over two audits
1	03/30/2016	Offsite litte on ground and in trees along 112th Street	Host Agreement & NR 500	Dan Otzelburger	ASAP	06/18/2016	80	Offsite litter present over two audits
1	01/31/2017	Offsite litte on ground and in trees along 112th Street	Host Agreement & NR 500	Travis Thourson	ASAP			

Updated:

WMWI – METRO LANDFILL  
LANDFILL OPERATIONS AUDIT FORM  
CITY OF FRANKLIN

PROJECT NO. 1036.10056

DATE May 24, 2017

TIME 1:10

Auditor on site at: ☒ Open ☐ Close ☐

WEATHER

Overcast, as of rain throughout day

10-25

N S E W

TEMP Maximum 56 °F Minimum 48 °F B.P. 29.62

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						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face on slope of Phase 7  
against Phase 8. Cover well placed  
about Phase 8 & 9. Specially  
placed about Manhole

**JSA Environmental**

Cover Material:

Soils tipped during the week  
and tarps

B. Leachate Management:

Discharge to MMSD



C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	1
Turbines in	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	1
Engines in	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	4
Shutdowns Since Last Audit:	#					0
Destructed Volume:	#					<del>21600</del> 3100 cfm

Comments:

Gas production steady flare  
use continuous with high enough  
gas volumes

D. Surface Water Management:

Storm Events Since Last

# 3

Est. Volume

1.5"

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

Nearly continuous storms since last  
audit. Basin elevations high. Ditches  
actively flowing and need cleaning

E. Odor Control:

Odors Present:

Onsite



Offsite



Notes on odor monitoring page



Comments:

Garbage odor on ~~South~~ North side of site

F. Liquid Loads Recieved:

Tipped on top of Phase 7

G. Litter Control:

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

Comments:

Litter mostly in ditches  
Rain reduces litter travel

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

Entrance muddy, US 45 & 8 Mile wet, but clean. Site roads rutted and muddy

I. Inspection of incoming Waste:

Scale Camera	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"/>	#	1
Random Load Inspection Dates:	5/20/17					
Average Tonnage:	1,600 TPD					

Comments:

Mow, soils, special, and liquid loads

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

L.

Residential Drop	Open During Audit	<input checked="" type="checkbox"/>
------------------	-------------------	-------------------------------------

full green waste, processing ongoing. Site well used full boxes, but clean

L. Other Comments:

\* Slope margin enhance about 3 ft  
compost <sup>placed</sup> and seeded

\* Trench cut in Phase 7 each day  
for liquid loads

\* Ditch cleaning needed about perimeter

Auditor's Signature: 

Auditor's Printed Name: \_\_\_\_\_

Management Signature: 

Management Printed Name: Travis Thorne

Management Title: Om

JSA Principal Signature \_\_\_\_\_

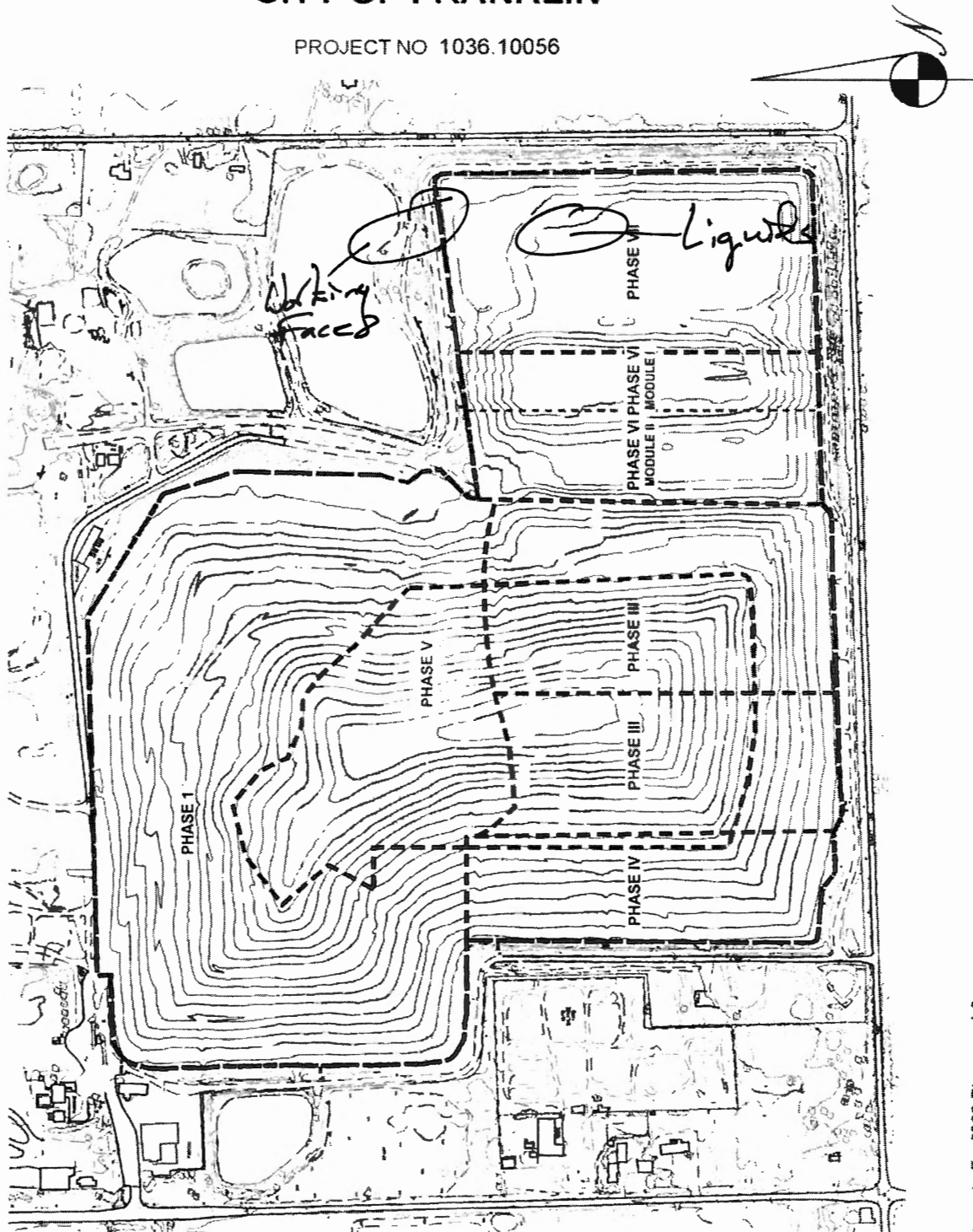
Date: 6/24/17

Date: 5/24/17

Date: \_\_\_\_\_

# WMWI - METRO LANDFILL LANDFILL AUDIT MAP CITY OF FRANKLIN

PROJECT NO 1036.10056

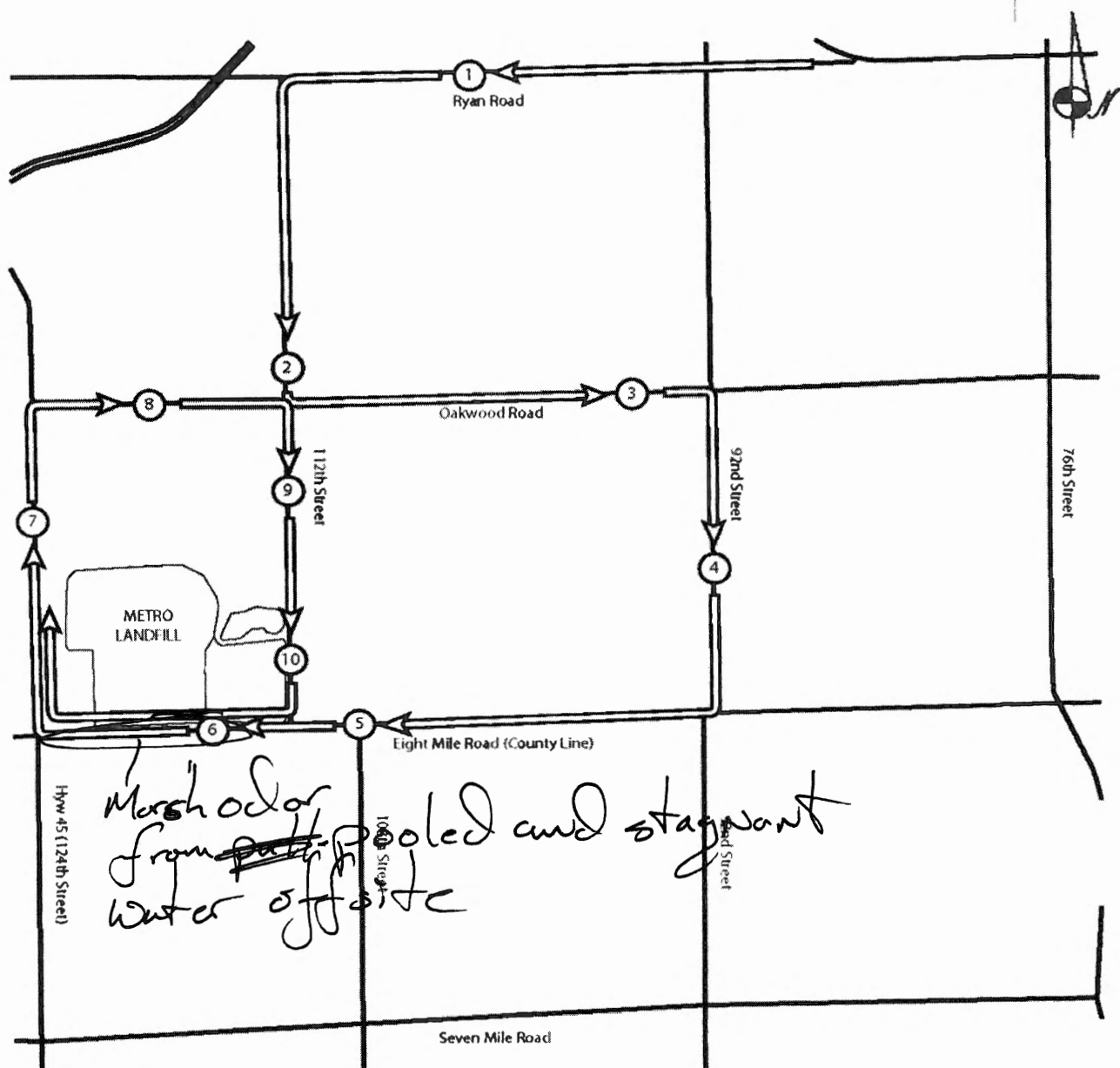


based off a 2003 Phase and Cover map



# WMWI - METRO LANDFILL Odor Monitoring Route Map

Off-site odor monitoring route. Numbers denote monitoring stop.



# WMWI - Metro Landfill, ***AUDIT PHOTOS***

PROJECT NO. 1036.10056



Seep repair on slope of Phase 6





Phase 7 & 8 viewed from the West



Phases 8 & 9 viewed from West



Phase 9 viewed from West, compost and seeding placed on slopes



Manhole in Phase 8, waste level nearly to top





Waste placement in Phase 8



Top of Phase 7



Top of Phase 6 & 7, select waste filling in settled areas



Southslopes of Phase 6 & 7





Cover placed on previous day's waste



South slope of Phase 6, trench material excavated in seep repair being relocated



**June**



## Memorandum

### Metro Recycling and Disposal Facility Audit Summary

**TO:** Waste Management Wisconsin, Inc. Metro Recycling and Disposal Facility (METRO) Monitoring Committee - City of Franklin

**FROM:** Faith Spear

**COPIES:** File

**DATE:** 7/11/17

**PROJECT NUMBER:** 1036

---

Attached is the weekly audit report of activities at the Waste Management Metro Recycling and Disposal Facility for the week of June 11, 2017. The Audit was performed at 2:23 PM, on **June 14, 2017** by Jo Spear Jr. in the presence of Travis Thorson, District Manager.

The following bullet items were developed from the **Operations** Audit:

- Overcast; more rain in forecast
- Working face on North edge of Phase 9 at top of slope
  - Tipping Asbestos and Bio-soils in Phases 6 & 7
- One compactor, two bulldozers, one excavator and one water truck in use on site
- Daily cover composed of soils from borrow area
  
- All leachate discharging to MMSD; no recirculation
- One flare, 1 Turbine and 4 Engines in operation
  - Gas quality and quantity high requiring use of flare
  - Gas destruction 2,900 cfm
  - One shut down since last audit
  
- 3 storm events; about 2"
  - Numerous storms at end of May; June drier to date
  - Site ditches still need to be cleaned
  
- Odors on-site; none off-site
  - Minor garbage odor downwind of working face
- Lower volume of liquid loads so far this month
  
- Litter present on-site; clear off-site
  - Minor accumulation of litter about site
  - 3 litter pickers at work during audit
- US 45 dusty; 8-Mile Rd clean
  - Site roads have been dragged recently
  
- Tipping scale camera and 3 equipment operators at work; no spotter
- Receiving MSW and cover soils
  - Approximately 1,400 TPD

#### Attachments:

Action Items List  
Landfill Operations Audit Form  
Landfill Audit Photos

- No rejected loads
- Random load inspection 6/3/17
- Residential drop-off open during audit
  - Boxes have been recently emptied
  - Green waste has been stockpiled
  - Site clean

Comments:

- No off-site concerns for litter
- Ditches around site perimeter need to be cleaned

Attachments:

Action Items List  
Landfill Operations Audit Form  
Landfill Audit Photos

**WMWI - METRO LANDFILL**  
**Action Items Checklist**  
**City of Franklin Audit**

Opened: 12/02/2015

Updated:

Item Number	DATE	Condition Description	Permit or Contract Reference	Reported to	Initial Schedule for Completion	Actual Completion Date	Elapsed Time (Days)	Notes
1	12/02/2015	Offsite litter on ground and in trees West of 112th Street.	Host Agreement & NR 500	Travis Thorson	ASAP	12/24/2015	22	Offsite litter present over two audits
1	03/30/2016	Offsite litte on ground and in trees along 112th Street	Host Agreement & NR 500	Dan Otzelburger	ASAP	06/18/2016	80	Offsite litter present over two audits
1	01/31/2017	Offsite litte on ground and in trees along 112th Street	Host Agreement & NR 500	Travis Thourson	ASAP	06/14/2017	135	Offsite litter present over two audits

WMWI - METRO LANDFILL  
LANDFILL OPERATIONS AUDIT FORM  
CITY OF FRANKLIN

PROJECT NO. 1036.10056

DATE June 14, 2017

TIME 2:23

Auditor on site at: ☒ Open ☐ Close ☐

WEATHER Overcast, rain predicted

WIND S-15 N 0 E W

TEMP Maximum 88 °F Minimum 66 °F B.P. 29.89

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

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

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face on North edge of Phase 9  
at top of slope. Asbestos & Bio Soil  
being tipped in Phase 6 & 7.

JSA Environmental



Cover Material:

Soil gathered from borrow

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	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	1
Engines in	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	4
Shutdowns Since Last Audit:	#					1
Destructed Volume:	#					7,900 cfm

Comments:

Gas quality high enough to require the use of the flare

D. Surface Water Management:

Storm Events Since Last

#

5

Est. Volume

209

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

Numerous storms at the end of May. June has been much drier. Site ditches were cleaning

E. Odor Control:

Odors Present:

Onsite



Offsite



Notes on odor monitoring page



Comments:

Minor garbage odor down wind of working face

F. Liquid Loads Recieved:

low volume

G. Litter Control:

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

Comments:

Minor litter about site

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

US 45 dusty. 8 Mile clean.

Site roads recently back dragged

I. Inspection of incoming Waste:

Scale Camera	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	<u>1</u>
Equipment Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	<u>3</u>
Spotter:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	<u>6/3/17</u>					
Average Tonnage:	<u>1,400 TPD</u>					

Comments:

MSW, cover soils.

J. Rejected Loads:

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

L.

Residential Drop	Open During Audit	<input checked="" type="checkbox"/>
------------------	-------------------	-------------------------------------

Boxes mostly empty, Green Waste stacked  
Site clean

L. Other Comments:

\* No offsite concerns of litter or odors  
\* Ditch cleaning required about site perimeter

Auditor's Signature: 

Auditor's Printed Name: J. Walter Spear Jr.

Management Signature: 

Management Printed Name: Francis Thorsen

Management Title: DM

JSA Principal Signature

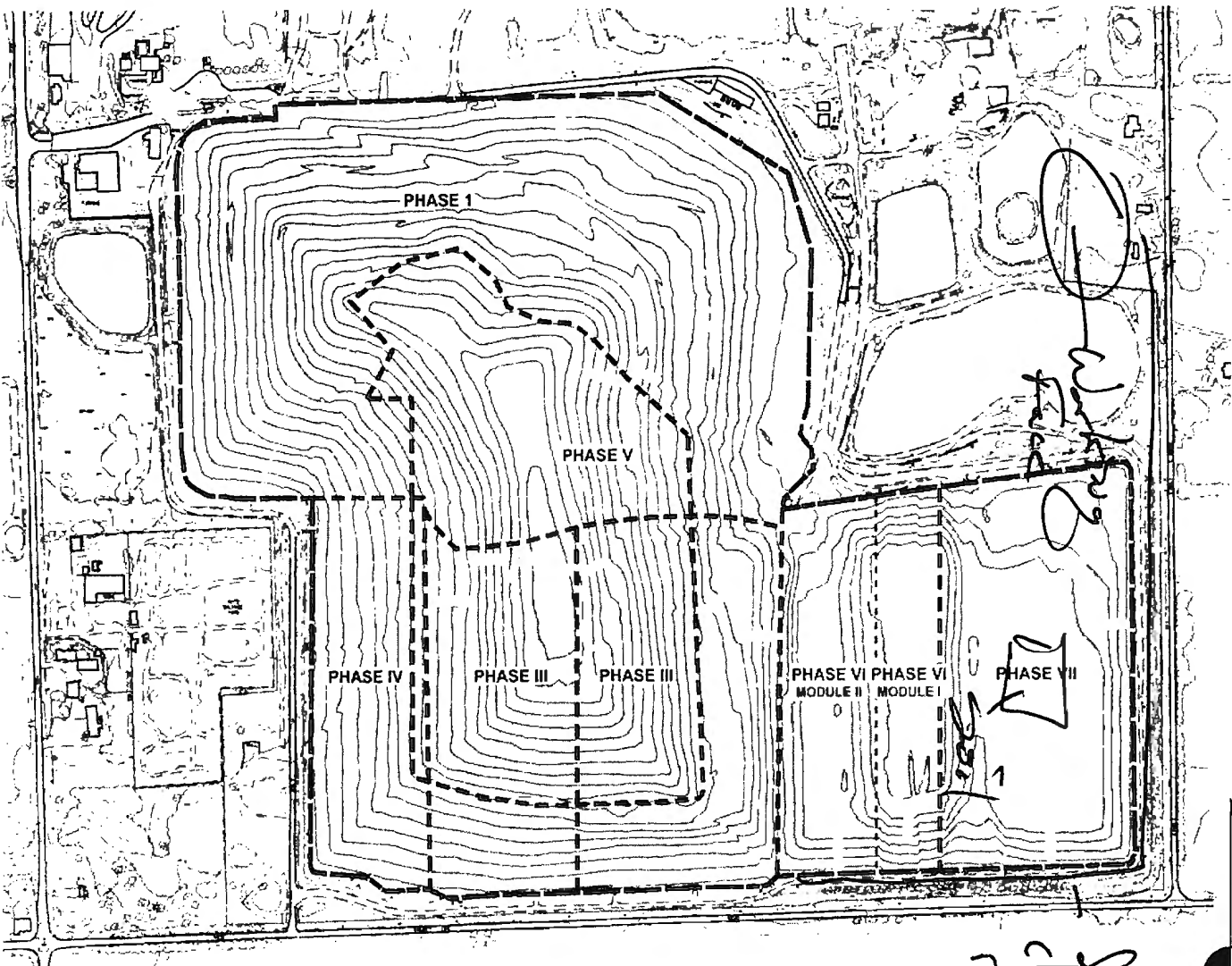
Date: 6/13/12

Date: 6/14/17

Date: \_\_\_\_\_

# WMWI - METRO LANDFILL LANDFILL AUDIT MAP CITY OF FRANKLIN

PROJECT NO. 1036.10056



based off a 2003 Phase and Cover map

# WMWI - METRO LANDFILL

## Odor Monitoring Route Map

Off-site odor monitoring route. Numbers denote monitoring stop.



# WMWI - Metro Landfill, ***AUDIT PHOTOS***

PROJECT NO. 1036.10056



Phases 8 & 9 viewed from the West







Phase 7 thru 9



Phase 6 thru 8



Northern end of Phase 9, well greened



Working face in Phase 9, Northeast corner



Phase 8 about manhole



Top of Phase 7





Resi-drop-off and yard waste stockpile



Resi-drop-off



Yard waste stock piled in Resi-drop-off



Top of Phase 6 & 7 being used for special wastes





Phase 8 viewed from West



Phase 8 & 7 viewed from the West





Flare at Phase 8 toe of slope.



North slope of Phase 8



Phase 7 East slope and top of slope



East edge of landfill foot print viewed from Northeast corner of Phase 9



East slope of Phase 8 and 9



East slope of Phase 9





## Memorandum

### Metro Recycling and Disposal Facility Audit Summary

**To:** Waste Management Wisconsin, Inc. Metro Recycling and Disposal Facility (METRO) Monitoring Committee - City of Franklin

**FROM:** Faith Spear

**COPIES:** File

**DATE:** 7/12/17

**PROJECT NUMBER:** 1036

---

Attached is the weekly audit report of activities at the Waste Management Metro Recycling and Disposal Facility for the week of June 25, 2017. The Audit was performed at 3:10 PM, on **June 30, 2017** by Jo Spear Jr. in the presence of Travis Thorson, District Manager.

The following bullet items were developed from the **Operations** Audit:

- Overcast; possible rain
- Working face in middle and on top of of Phase 9
  - Additional working face in Phase 8 for small trucks
- One compactor, two bulldozers and one water truck in use on site
- Recovered soils and compost used for daily cover
  
- All leachate discharging to MMSD; no recirculation
- One flare, 1 Turbine and 4 Engines in operation
  - Flare lit to handle excess gas production
  - Gas destruction 3,000 cfm
  - No shut downs since last audit
  
- Three storm events since last audit; just under 3" of rain
  - Basins in good shape
  - Basins have freeboard
  - Ditches about perimeter need cleaning
  
- Odors on-site; okay off-site
  - Odor limited to East edge of Phase 9
- Fewer liquid loads; average two per week
  
- Litter present on-site; clear off-site
  - Litter heaviest on East slopes
  - Two litter pickers at work
- US 45 dusty; site roads dusty, too
  - Water truck was addressing dust near end of audit
  
- Tipping scale camera and 3 equipment operators at work; no spotter
- Receiving approximately 1,400 TPD
  - Waste being tipped is MSW, asbestos and bio-soils

**Attachments:**

Action Items List  
Landfill Operations Audit Form  
Landfill Audit Photos

- No rejected loads
- Random load inspection 6/23/17
- Residential drop-off open during audit
  - Site clean
  - Yard waste accumulating as processing is on hold due to weather conditions

Comments:

- Mowing completed on old hill
- Mowing and tree removal along 112<sup>th</sup> Street scheduled for next week
- Ditch at East edge of Phase 8 & 9 is clogged and has no freeboard
  - Ditches need to be cleaned

Attachments:

Action Items List  
 Landfill Operations Audit Form  
 Landfill Audit Photos

**WMWI - METRO LANDFILL**  
**Action Items Checklist**  
**City of Franklin Audit**

Opened: 12/02/2015

Updated:

Item Number	DATE	Condition Description	Permit or Contract Reference	Reported to	Initial Schedule for Completion	Actual Completion Date	Elapsed Time (Days)	Notes
1	12/02/2015	Offsite litter on ground and in trees West of 112th Street.	Host Agreement & NR 500	Travis Thorson	ASAP	12/24/2015	22	Offsite litter present over two audits
1	03/30/2016	Offsite litte on ground and in trees along 112th Street	Host Agreement & NR 500	Dan Otzelburger	ASAP	06/18/2016	80	Offsite litter present over two audits
1	01/31/2017	Offsite litte on ground and in trees along 112th Street	Host Agreement & NR 500	Travis Thourson	ASAP	06/14/2017	135	Offsite litter present over two audits



WMWI - METRO LANDFILL  
LANDFILL OPERATIONS AUDIT FORM  
CITY OF FRANKLIN

PROJECT NO. 1036.10056

DATE June 30, 2017

TIME 3:40

Auditor on site at: ☒ Open ☐ Close ☐

WEATHER Overcast, possible rain.

WIND 0-5 N 06 W

TEMP Maximum 79 °F Minimum 62 °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						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face in Phase 9 in middle  
and on top of Phase 9. Additional  
working face in Phase 8 for small  
trucks

**JSA** Environmental

Cover Material:

Recovered soils and compost

B. Leachate Management:

Discharge to MMSP



C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	1
Turbines in	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	1/4
Engines in	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	4
Shutdowns Since Last Audit:	#					0
Destructed Volume:	#	3,000			cfm	

Comments:

Flare lit to handle capacity requirements

D. Surface Water Management:

Storm Events Since Last

#

5

Est. Volume

73"

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

Basins in good shape with free board  
ditches about Perimeter needs  
cleaning

E. Odor Control:

Odors Present:

Onsite



Offsite



Notes on odor monitoring page



Comments:

only odors on East edge of Phase 9

F. Liquid Loads Received:

Minimal in 2 per week

G. Litter Control:

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

Comments:

*Litter heavy on East slopes*

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

*US 45 Dusty,  
Site roads dusty, water truck out at end of  
Audit*

I. Inspection of incoming Waste:

Scale Camera	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"/>	#	1
Random Load Inspection Dates:	<i>6/23/17</i>			
Average Tonnage:	<i>1,400 TPD</i>			

Comments:

*MSW, asbestos, and bio*

J. Rejected Loads:

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

L.

Residential Drop	Open During Audit <input checked="" type="checkbox"/>
------------------	---

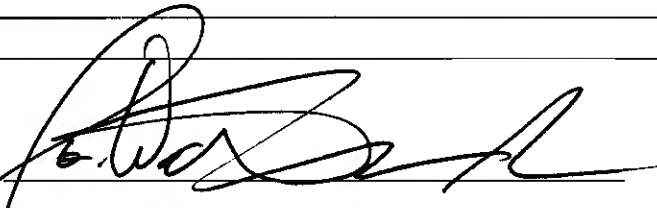
*Gate closed. Yard was to processing on hold  
due to weather conditions*

L. Other Comments:

\* Mowing of old hill completed

\* Mowing and tree removal along 112th Street planned for next week

\* Ditch at East edge of Phase 849 has no freeboard

Auditor's Signature: 

Auditor's Printed Name: \_\_\_\_\_

Management Signature: 

Management Printed Name: Travis Thorsen

Management Title: District Manager

JSA Principal Signature: \_\_\_\_\_

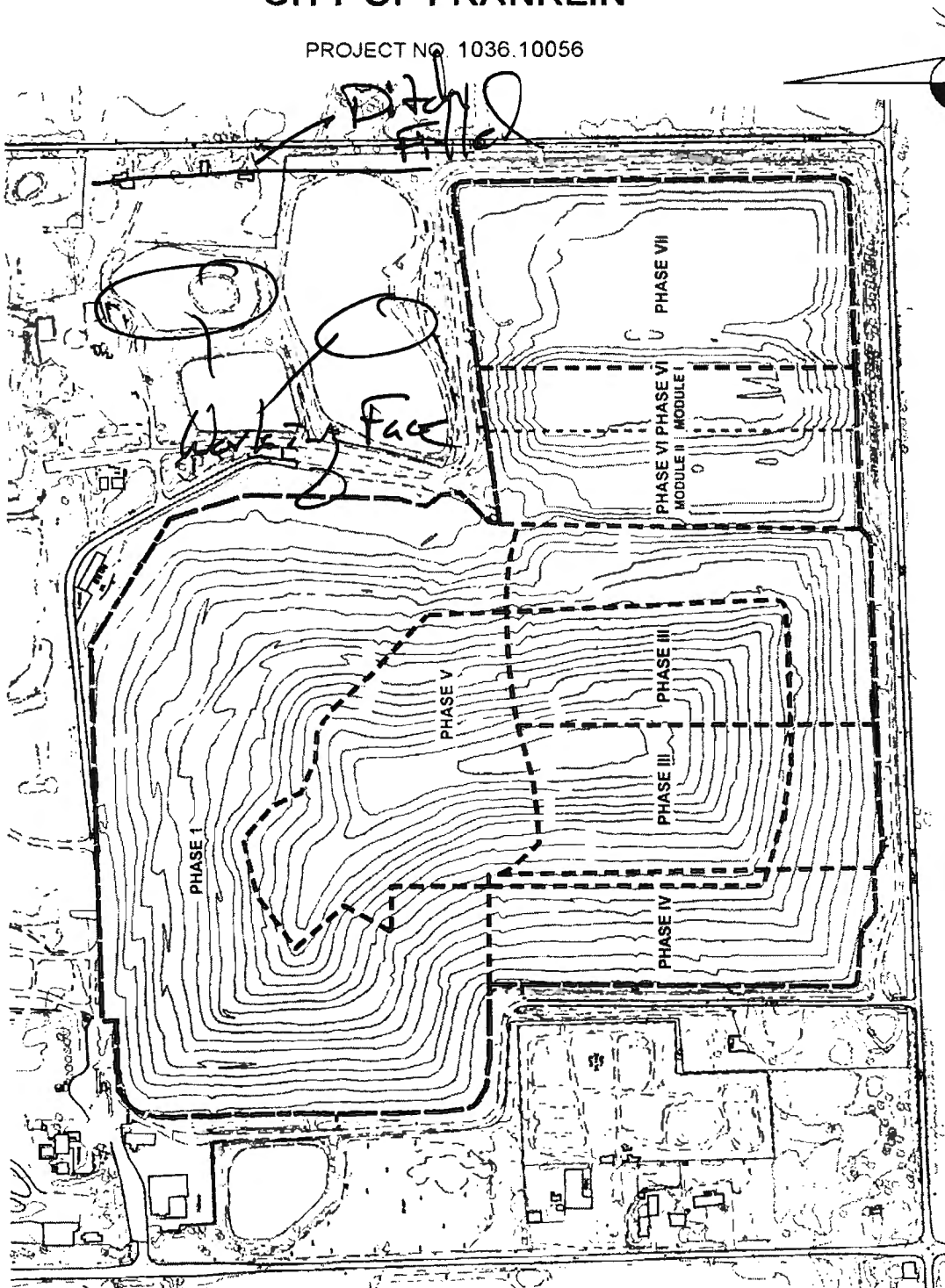
Date: 6/30/17

Date: 6/30/17

Date: \_\_\_\_\_

# WMWI - METRO LANDFILL LANDFILL AUDIT MAP CITY OF FRANKLIN

PROJECT NO. 1036.10056

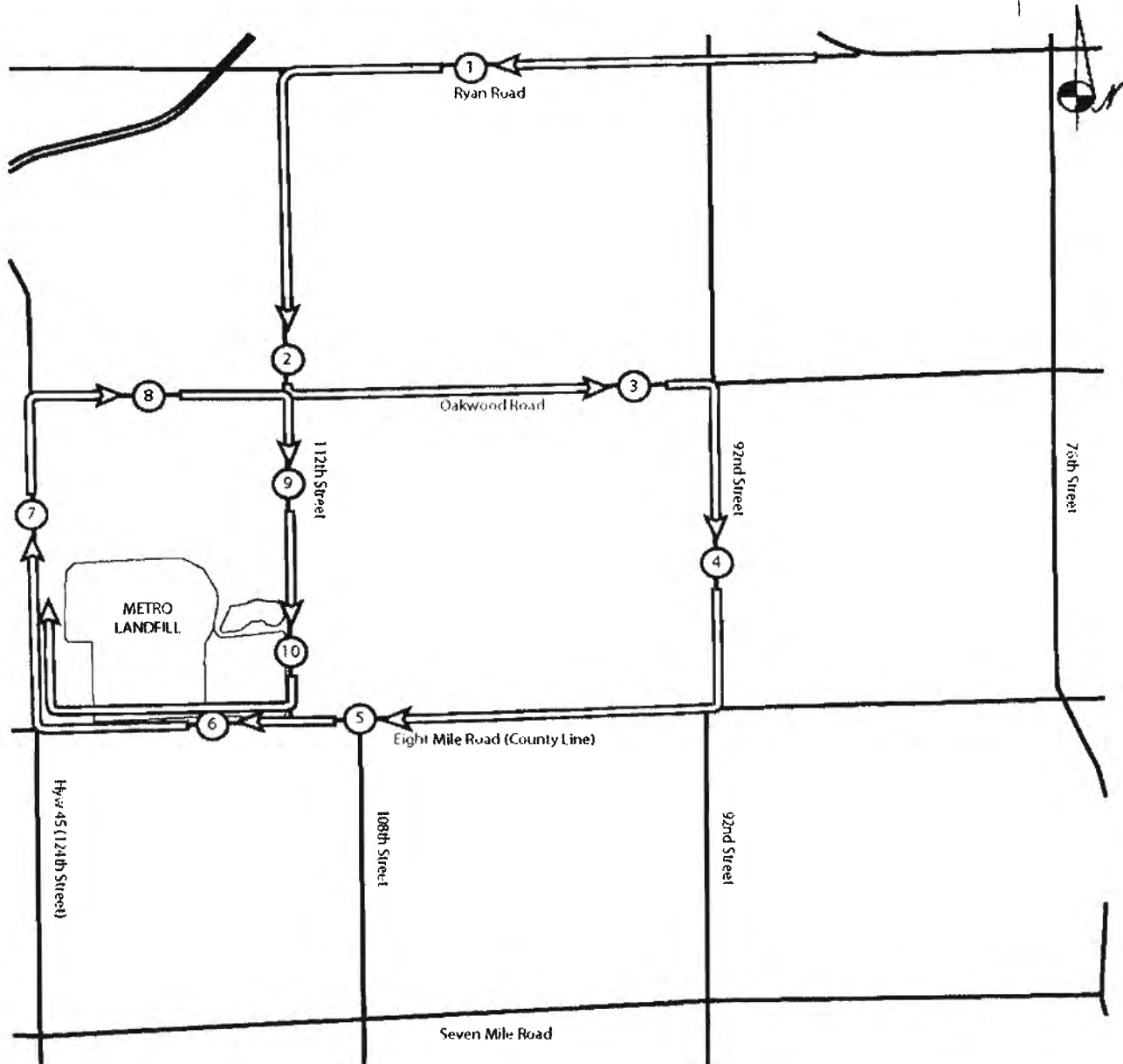


based off a 2003 Phase and Cover map

# WMWI - METRO LANDFILL

## Odor Monitoring Route Map

Off-site odor monitoring route. Numbers denote monitoring stop.





# **WMWI - Metro Landfill, AUDIT PHOTOS**

PROJECT NO. 1036.10056



Phase 6 and 7 viewed from West





Phase 7 & 8 viewed from the West



Phases 8 & 9 viewed from West



Tarp at junction between Phase 7 and 8, not in use



Phase 8 with manhole and area to be covered





Waste placement in Phase 9



Phases 6 thru 9 viewed from the interior of the site, vegetation well established on Phase 8 and 9, slowly restoring on 6 & 7



North and West slopes of Phase 9, well vegetated



East slopes of Phase 9 thru 7



Cover placed on previous day's waste



South slope of Phase 6, trench material excavated in seep repair being relocated





**July**



## Memorandum

### Metro Recycling and Disposal Facility Audit Summary

**TO:** Waste Management Wisconsin, Inc. Metro Recycling and Disposal Facility (METRO) Monitoring Committee - City of Franklin

**FROM:** Faith Spear

**COPIES:** File

**DATE:** 08/17/17

**PROJECT NUMBER:** 1036

---

Attached is the weekly audit report of activities at the Waste Management Metro Recycling and Disposal Facility for the week of July 9, 2017. The Audit was performed at 1:15 PM, on **July 12, 2017** by Jo Spear Jr. in the presence of Travis Thorson, District Manager.

The following bullet items were developed from the **Operations** Audit:

- Weather clearing, but still raining on arrival; sunny by departure
- Working face on North slope of Phase 7
  - At Eastern most end above Phase 8
  - New lift filling to North
  - Bringing contiguous phases to Phase 7 elevations
- One compactor, two bulldozers, one excavator and one haul truck in use on site
- Incoming soils and compost used for daily cover
  
- All leachate discharging to MMSD; no recirculation
  - One flare, one turbine and 4 engines in use during audit
  - Flare lit to destroy excess gas, production beyond capacity of turbine and engines
  - Gas destruction rate is 2,910 cfm
  - No shut downs since last audit
  
- Multiple storms since last audit; more than 3" of rainfall
  - Massive storm last night continuing into today
  - Basin have freeboard
  - Perimeter ditches overflowed due to low capacity
  
- No odors
- One liquid load arriving each day
- Litter present on-site; clear off-site
  - All but one litter picker sent home due to weather
  - One litter picker working during audit
- US 45 and 8-Mile Rd clean; Site roads rough with potholes
  
- Tipping scale camera and 3 equipment operators at work; no spotter
- 1,200 average tonnage received per day
  - Waste being tipped is Municipal Solid Wastes

#### Attachments:

Action Items List  
Landfill Operations Audit Form  
Landfill Audit Photos

- No rejected loads
- Random load inspection 7/6/17
- Residential drop-off open during audit
  - Site clean
  - Yard wastes being processed

**Comments:**

- Compost material from yard waste processed will be wind-rowed by Phase 6
  - Preparation for future use
- Tall fence installed to enclose Phase 7 working face locations
- Ditch cleaning still required for perimeter ditches

**Attachments:**

Action Items List  
Landfill Operations Audit Form  
Landfill Audit Photos

**WMWI - METRO LANDFILL**  
**Action Items Checklist**  
**City of Franklin Audit**

Opened: 12/02/2015

Updated:

Item Number	DATE	Condition Description	Permit or Contract Reference	Reported to	Initial Schedule for Completion	Actual Completion Date	Elapsed Time (Days)	Notes
1	12/02/2015	Offsite litter on ground and in trees West of 112th Street.	Host Agreement & NR 500	Travis Thorson	ASAP	12/24/2015	22	Offsite litter present over two audits
1	03/30/2016	Offsite litte on ground and in trees along 112th Street	Host Agreement & NR 500	Dan Otzelburger	ASAP	06/18/2016	80	Offsite litter present over two audits
1	01/31/2017	Offsite litte on ground and in trees along 112th Street	Host Agreement & NR 500	Travis Thourson	ASAP	06/14/2017	135	Offsite litter present over two audits

WMWI - METRO LANDFILL  
LANDFILL OPERATIONS AUDIT FORM  
CITY OF FRANKLIN

PROJECT NO. 1036.10056

DATE July 12, 2017

TIME 1:15

Auditor on site at: Open

☐ Close

☐

WEATHER

Clearing, raining at arrival, saw at departure

WIND

S-15

SW S E NW

TEMP Maximum

87

°F Minimum

69

°F

B.P.

29.95

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						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face on the North slope of  
Phase 7 at Eastern end above Phase 8  
New Lift will work Northward with placement  
as Phases come up to Phase 7 elevations

JSA Environmental

Cover Material:

Soils and 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	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	1
Engines in	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	4
Shutdowns Since Last Audit:	#					9
Destructed Volume:	#					<del>3,000</del> 2910 cfm

Comments:

Flare in use to destroy excess gas, beyond  
Turbine & engine capacity

D. Surface Water Management:

Storm Events Since Last

# 5

Est. Volume

73"

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

Massive storm last night into today  
Basins have freeboard, but perimeter  
ditches overflowed due to low capacity

E. Odor Control:

Odors Present:

Onsite



Offsite



Notes on odor monitoring page



Comments:

No odors

F. Liquid Loads Received:

One load per day



G. Litter Control:

Litter Present <i>on</i>	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	
Litter Present <i>off</i>	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	
Pickers Active: <i>off</i>	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	# <i>1</i>

Comments:

*Pickers sent home due to weather only  
lacking during 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 & 8 Mile Clean  
Site roads pathed*

I. Inspection of incoming Waste:

Scale Camera	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	<i>1</i>
Equipment Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	<i>3</i>
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	<i>7/6/17</i>			
Average Tonnage:	<i>1,200</i>			

Comments:

*MSW*

J. Rejected Loads:

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

L.

Residential Drop	Open During Audit <input checked="" type="checkbox"/>
------------------	---

*Site clean, yard waste processing ongoing*

L. Other Comments:

\* Compost material from processed yard waste to be withdrawn on Phase 6 for future use

\* Tall fence installed to enclose Phase 2 working face locations

\* Ditch clearing still necessary for perimeter ditches

Auditor's Signature:

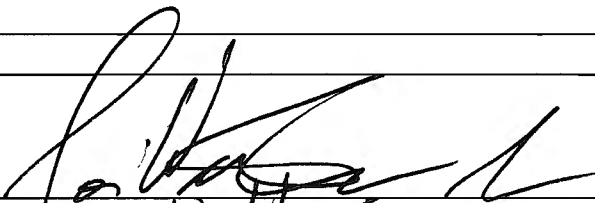
Auditor's Printed Name:

Management Signature:

Management Printed Name:

Management Title:

JSA Principal Signature

  
Jo-Walter Spear, Jr.  
27  
Travis Thorsen  
DM

Date:

Date:

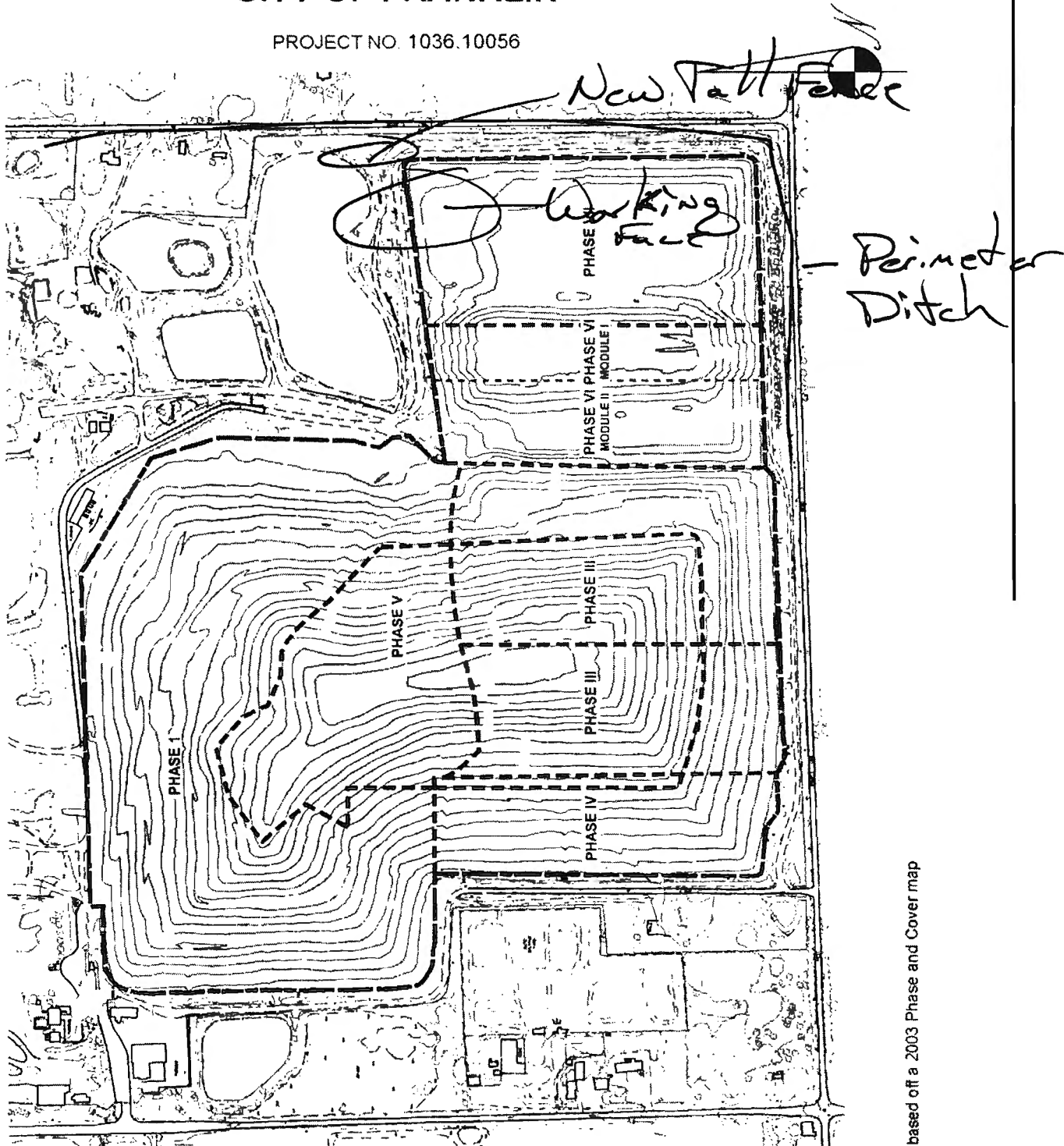
Date:

7/12/12

7/12/17

# WMWI - METRO LANDFILL LANDFILL AUDIT MAP CITY OF FRANKLIN

PROJECT NO. 1036.10056

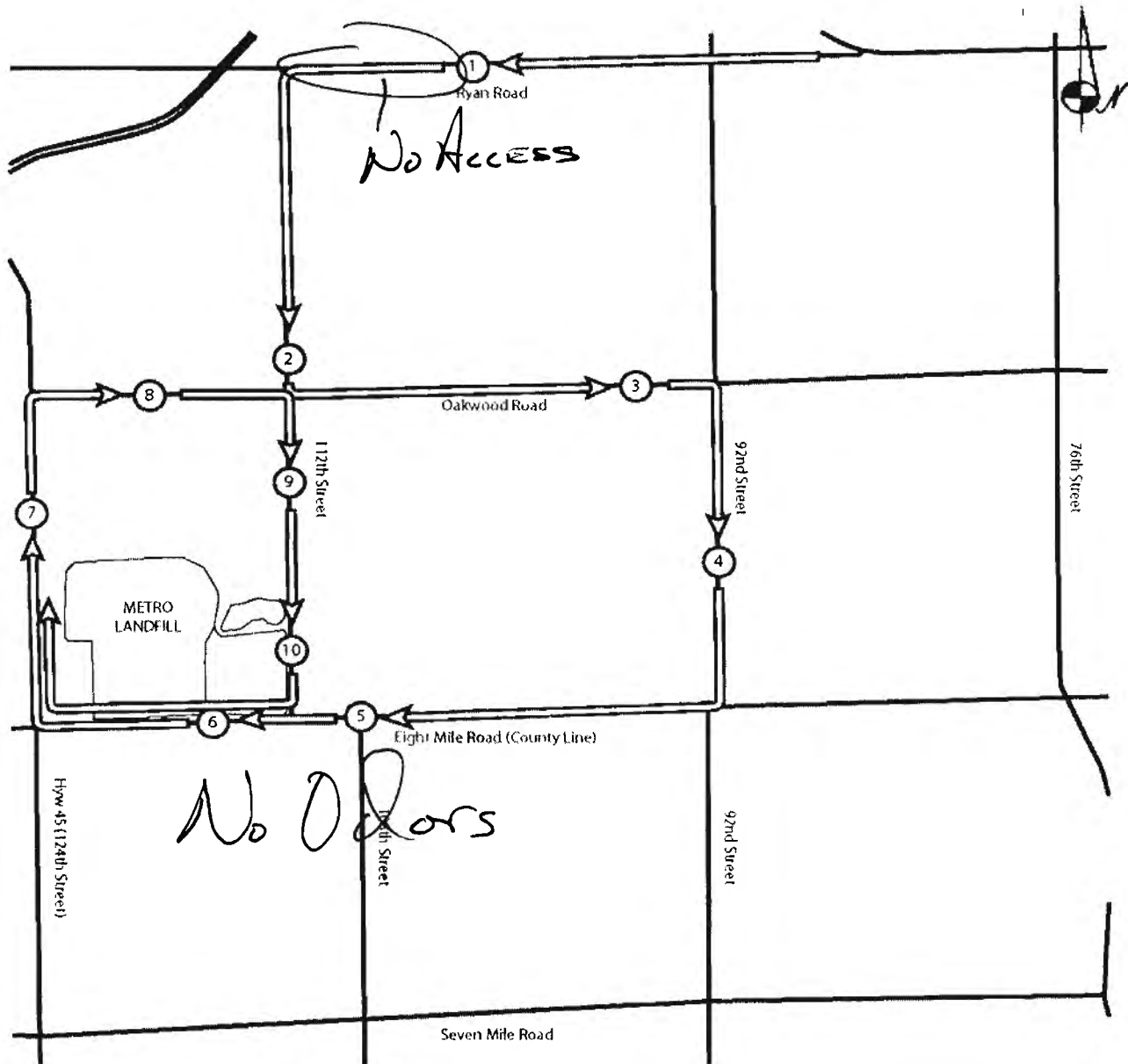


based off a 2003 Phase and Cover map

# WMWI - METRO LANDFILL

## Odor Monitoring Route Map

Off-site odor monitoring route. Numbers denote monitoring stop.



# WMWI - Metro Landfill, *AUDIT PHOTOS*

PROJECT NO. 1036.10056



Working face at top of slope of Phase 7, North slope





Phase 7 & 8 viewed from the West



Phases 7, 8 & 9 viewed from West





Overview of facility from Southwest



Phase 8 manhole



Working face on North slope of Phase 7



Working face on North slope against East slope



Phases 8 & 9 at same grade/lift viewed from the West



Working face in background, West slopes in foreground, well greened



## Memorandum

### Metro Recycling and Disposal Facility Audit Summary

**TO:** Waste Management Wisconsin, Inc. Metro Recycling and Disposal Facility (METRO) Monitoring Committee - City of Franklin

**FROM:** Faith Spear

**COPIES:** File

**DATE:** 08/17/17

**PROJECT NUMBER:** 1036

---

Attached is the weekly audit report of activities at the Waste Management Metro Recycling and Disposal Facility for the week of July 23, 2017. The Audit was performed at 2:05 PM, on **July 26, 2017** by Jo Spear Jr. in the presence of Travis Thorson, District Manager.

The following bullet items were developed from the **Operations** Audit:

- Clear weather, some clouds, possible rain
- Working face on North slope of Phase 7
  - Bringing overlay elevations up to grade with Phase 7
- Bio Soils tipped in Phase 6
- One compactor, two bulldozers, one excavator, one haul truck and one water truck active on site
- Site soils used for daily cover
  
- All leachate discharging to MMSD; no recirculation
- One flare, 1 Turbine and 4 Engines in operation
  - Gas volume and quality high enough to require flare use during past week of operation
  - Gas destruction 2,863 cfm
  - No shut downs since last audit
  
- 4 or more rain storms since last audit (7/12/17)
  - Ditches were partially cleaned on 7/19
    - To prevent flooding expected on 7/19
  
- Odors on perimeter road; okay off-site
- Receiving two liquid loads per day
  
- Litter present on-site; clear off-site
  - Two litter pickers working site
  - Litter well controlled
- US 45 clean; some tracking on 8-Mile Rd
  - Tracking appeared to be from residential drop-off area
  - Site roads have been regraded recently, but need more material
  
- Tipping scale camera and 3 equipment operators at work; no spotter
- Average 1,700 TPD received
  - Waste being tipped is MSW and bio-soils

**Attachments:**

Action Items List  
Landfill Operations Audit Form  
Landfill Audit Photos

- No rejected loads
- Random load inspection 7/17/17
- Residential drop-off open during audit
  - Site cleaning
  - Yard waste has been processed

Comments:

- Ditch partially cleaned along East edge of Phase 9
  - Additional cleaning necessary for proper water flow
- Erosion on East slope of Phase 7 has been repaired
  - Vegetation beginning to covert
- Off-site mowing has been complete
  - This should help control litter issues

Attachments:

Action Items List  
Landfill Operations Audit Form  
Landfill Audit Photos

**WMWI - METRO LANDFILL**  
**Action Items Checklist**  
**City of Franklin Audit**

Opened: 12/02/2015

Updated:

Item Number	DATE	Condition Description	Permit or Contract Reference	Reported to	Initial Schedule for Completion	Actual Completion Date	Elapsed Time (Days)	Notes
1	12/02/2015	Offsite litter on ground and in trees West of 112th Street.	Host Agreement & NR 500	Travis Thorson	ASAP	12/24/2015	22	Offsite litter present over two audits
1	03/30/2016	Offsite litte on ground and in trees along 112th Street	Host Agreement & NR 500	Dan Otzelburger	ASAP	06/18/2016	80	Offsite litter present over two audits
1	01/31/2017	Offsite litte on ground and in trees along 112th Street	Host Agreement & NR 500	Travis Thourson	ASAP	06/14/2017	135	Offsite litter present over two audits



WMWI – METRO LANDFILL  
LANDFILL OPERATIONS AUDIT FORM  
CITY OF FRANKLIN

PROJECT NO. 1036.10056

DATE July 26, 2017

TIME 2:05

Auditor on site at: Open ☐ Close ☐

WEATHER Clear, some clouds, possible rain

WIND 0-10  
N ☒ S ☐ E ☒ W ☐

TEMP Maximum 82 °F Minimum 68 °F B.P. 30.04

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						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face on North slope of Phase 7  
bringing overlay elevations up to  
grade with Phase 7  
Bio Soils tipped in Phase 6

**JSA Environmental**

Cover Material:

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	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	1
Engines in	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	4
Shutdowns Since Last Audit:	#					0
Destructed Volume:	#					2863 cfm

Comments:

Gas volume & quality high enough  
to require flare over last week of operation

D. Surface Water Management:

Storm Events Since Last

#

42

Est. Volume

>3"

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

Numerous events since last audit (7/12/17)  
Partial ditch cleaning on 7/19/17 to prevent possible  
flooding

E. Odor Control:

Odors Present:

Onsite



Offsite



Notes on odor monitoring page



Comments:

Minor odor on perimeter road

F. Liquid Loads Recieved:

~ 2 per day

G. Litter Control:

Litter Present	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	
Litter Present	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 is clean. Minor tracking on 8 Mile from Resi-drop off. Site roads repaved but need more material

I. Inspection of incoming Waste:

Scale Camera	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:	7/17/17			
Average Tonnage:	1,700 TPD			

Comments:

MSW, bio soils,

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

L.

Residential Drop	Open During Audit <input checked="" type="checkbox"/>
------------------	---

Site clean, yard waste processing complete

L. Other Comments:

- \* Ditches partially cleaned along East edge of Phase 7, additional cleaning necessary
- \* Erosion on East slope of Phase 7 repaired and vegetation spreading
- \* offsite mowing to control future litter issues complete

Auditor's Signature: \_\_\_\_\_

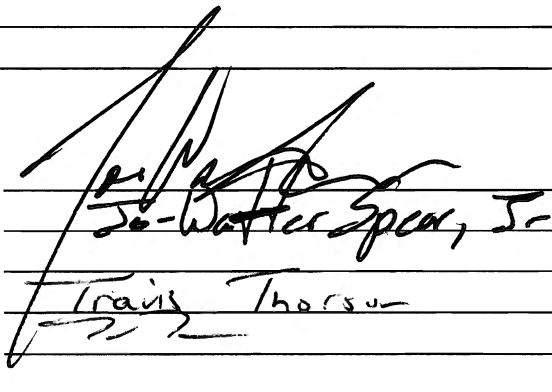
Auditor's Printed Name: \_\_\_\_\_

Management Signature: \_\_\_\_\_

Management Printed Name: \_\_\_\_\_

Management Title: \_\_\_\_\_

JSA Principal Signature \_\_\_\_\_

  
Travis Thorson

Date: \_\_\_\_\_

7/26/17

Date: \_\_\_\_\_

7/26/17

Date: \_\_\_\_\_

# WMWI - METRO LANDFILL

## Odor Monitoring Route Map

Off-site odor monitoring route. Numbers denote monitoring stop.



# **WMWI - Metro Landfill, AUDIT PHOTOS**

PROJECT NO. 1036.10056



Working face on North slope of Phase 7 viewed from the West







Phases 7 & 8



Phases 8 & 9



Working face



Working face on North Slope of Phase 7



East slope of Phase 7, erosion repairs and vegetative restoration



**August**



## Memorandum

### Metro Recycling and Disposal Facility Audit Summary

**TO:** Waste Management Wisconsin, Inc. Metro Recycling and Disposal Facility (METRO) Monitoring Committee - City of Franklin

**FROM:** Faith Spear

**COPIES:** File

**DATE:** 10/10/17

**PROJECT NUMBER:** 1036

---

Attached is the weekly audit report of activities at the Waste Management Metro Recycling and Disposal Facility for the week of July 30, 2017. The Audit was performed at 4:05 PM, on **August 3, 2017** by Jo Spear Jr. in the presence of Travis Thorson, District Manager.

The following bullet items were developed from the **Operations** Audit:

- Rain in morning, but sunny during audit
- Working face for MSW tipping on top of Phase 7
  - Special wastes being tipped over the junction area of Phase 6 & 7
- Previous working face in Phase 8
  - Filling elevations up around manhole
- One compactor and two dozers in use on site
  - One compactor in for repair
- Incoming soil loads providing daily cover
  
- All leachate discharging to MMSD; no recirculation
- One flare, 1 Turbine and 4 Engines in operation
  - Flare lit because gas quantity and quality requires additional destruction
  - Gas destruction 2,995 cfm
  - One shut down since last audit
  
- One rain event since last audit; about 1/4"
  - Rain this morning before audit
- Site erosion has been repaired
- Cleaning still required in some of the perimeter ditches
  
- Minimal odors on-site; okay off-site
- Liquid loads arriving daily
  
- Litter present on-site; clear off-site
  - On-site litter is minimal
  - Three litter pickers at work
- US 45 and 8-Mile Rd clean
- Site roads gritty, but free of ponded water

#### Attachments:

Action Items List  
Landfill Operations Audit Form  
Landfill Audit Photos

- Tipping scale camera and 3 equipment operators at work; no spotter
- Receiving roughly 1,500 Tons per day
  - Waste being tipped is MSW, special wastes and clean fill
  - No rejected loads
  - Random load inspection 7/28/17
- Residential drop-off
  - Site clean; boxes mostly empty

**Comments:**

- Audit done near closing time for landfill
  - Daily cover was being placed and trucks were leaving
- Previous ditch cleaning efforts were very effective in improving storm water conditions
  - Additional cleaning still necessary of some perimeter ditches
- Wrapping and filling to grade about manhole continues
  - About 7' still exposed

**Attachments:**

Action Items List  
Landfill Operations Audit Form  
Landfill Audit Photos



**WMWI - METRO LANDFILL**  
**Action Items Checklist**  
**City of Franklin Audit**

Opened: 12/02/2015

Updated:

Item Number	DATE	Condition Description	Permit or Contract Reference	Reported to	Initial Schedule for Completion	Actual Completion Date	Elapsed Time (Days)	Notes
1	12/02/2015	Offsite litter on ground and in trees West of 112th Street.	Host Agreement & NR 500	Travis Thorson	ASAP	12/24/2015	22	Offsite litter present over two audits
1	03/30/2016	Offsite litte on ground and in trees along 112th Street	Host Agreement & NR 500	Dan Otzelburger	ASAP	06/18/2016	80	Offsite litter present over two audits
1	01/31/2017	Offsite litte on ground and in trees along 112th Street	Host Agreement & NR 500	Travis Thourson	ASAP	06/14/2017	135	Offsite litter present over two audits

WMWI – METRO LANDFILL  
LANDFILL OPERATIONS AUDIT FORM  
CITY OF FRANKLIN

PROJECT NO. 1036.10056

DATE August 3, 2017

Auditor on site at: Open ☒ Close ☐

TIME 4:05

WEATHER

Rain prior to audit, sunny during

WIND

10-20

N 0 E W

TEMP Maximum

77

°F Minimum

57

°F

B.P.

29.86

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						

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 on top of Phase F receiving  
MSW. Special waste tipping over  
junction of Phase 6 & 7  
Previous working face in Phase E, bringing  
elevations up around Manhole

**JSA Environmental**

Cover Material:

Soils from tipping

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	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	1
Engines in	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	4
Shutdowns Since Last Audit:	#					0
Destructed Volume:	#					2,995 cfm

Comments:

Gas volume & quality requires additional destruction by the flare

D. Surface Water Management:

Storm Events Since Last

# 1

Est. Volume

214

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

Rain event prior to audit. Site erosion repaired. Ditch cleaning still necessary in some perimeter ditches

E. Odor Control:

Odors Present:

Onsite



Offsite



Notes on odor monitoring page



Comments:

Minimal odor

F. Liquid Loads Recieved:

Daily

G. Litter Control:

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

Comments:

Litter minimal

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

gritty, but no ponded water

I. Inspection of incoming Waste:

Scale Camera	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"/>	# 1
Random Load Inspection Dates:	7/28/17		
Average Tonnage:	1,500 TPD		

Comments:

MSW, Special, and cleanfill

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

L. Residential Drop Open During Audit ☐

Site clean, boxes mostly empty

L. Other Comments:

- \* Audit done at close of day cover being placed during audit trucks leaving
- \* Ditch clearing still necessary previous clearing very effective in improving storm water conditions
- \* Wrapping of Manhole ongoing ~ 7' left exposed

Auditor's Signature: \_\_\_\_\_

Auditor's Printed Name: \_\_\_\_\_

Management Signature: \_\_\_\_\_

Management Printed Name: \_\_\_\_\_

Management Title: \_\_\_\_\_

JSA Principal Signature: \_\_\_\_\_

Jo-Walter Spear, Jr.

Travis Thorsen

DM

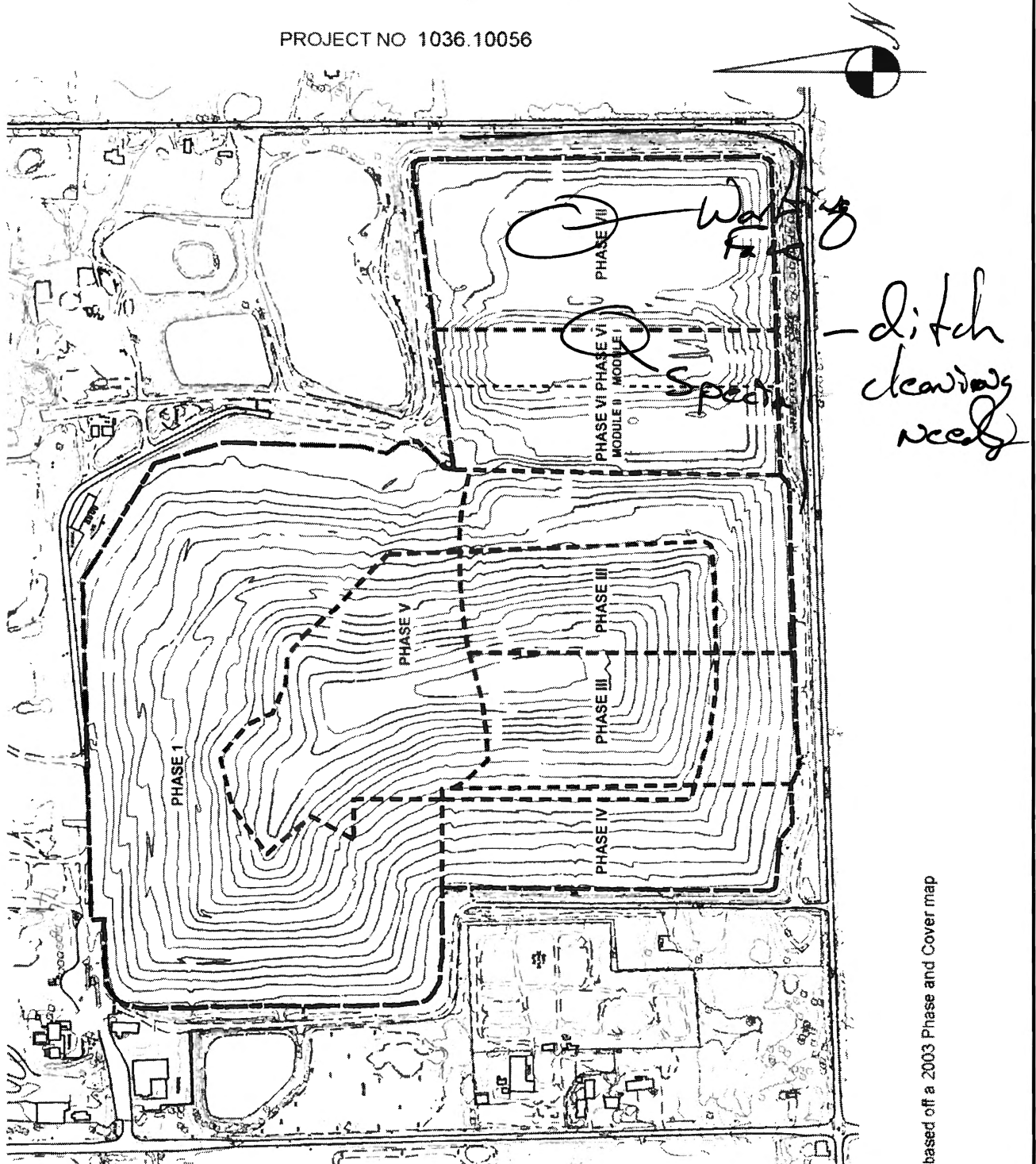
Date: \_\_\_\_\_

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Date: \_\_\_\_\_

# WMWI - METRO LANDFILL LANDFILL AUDIT MAP CITY OF FRANKLIN

PROJECT NO 1036.10056



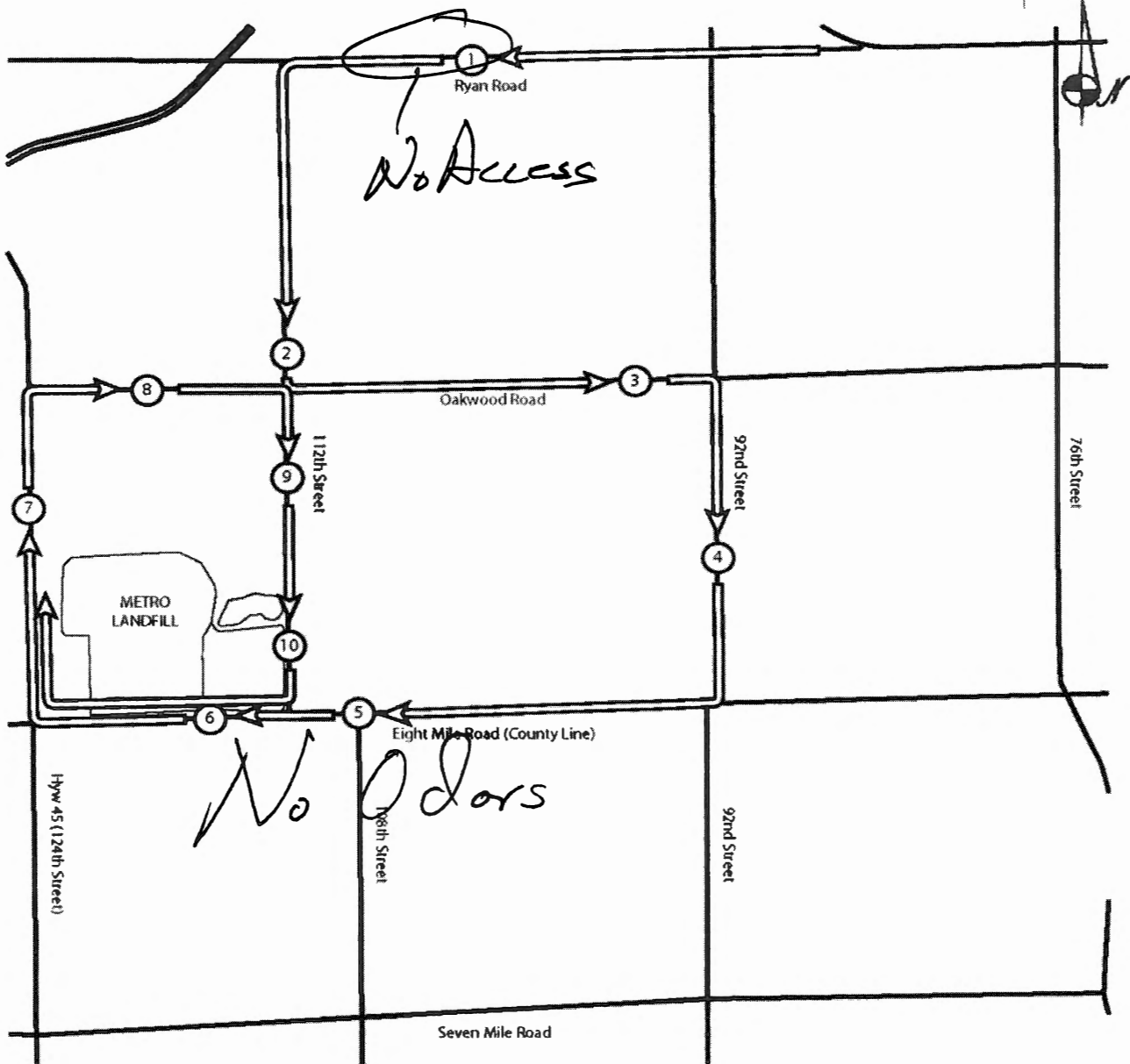
based off a 2003 Phase and Cover map



# WMWI - METRO LANDFILL

## Odor Monitoring Route Map

Off-site odor monitoring route. Numbers denote monitoring stop.



# WMWI - Metro Landfill, *AUDIT PHOTOS*

PROJECT NO. 1036.10056



Working face in Phase 8, viewed from the West





Junction of Phase 7 & 8



Working face in Phase 8 around manhole



Northeast corner of Phase 9



Old hill, East slope





Phase 6 & 7 viewed between Phases 9 (left) and 5



Northwest corner of Phase 9



## Memorandum

### Metro Recycling and Disposal Facility Audit Summary

**TO:** Waste Management Wisconsin, Inc. Metro Recycling and Disposal Facility (METRO) Monitoring Committee - City of Franklin

**FROM:** Faith Spear

**COPIES:** File

**DATE:** 10/11/17

**PROJECT NUMBER:** 1036

---

Attached is the weekly audit report of activities at the Waste Management Metro Recycling and Disposal Facility for the week of August 27, 2017. The Audit was performed at 9:42 AM, on **August 31, 2017** by Jo Spear Jr. in the presence of Travis Thorson, District Manager.

The following bullet items were developed from the **Operations** Audit:

- Cloudy with intermittent sun
- Working face on top of North slope of Phase 7
  - Waste also being placed on slope
  - No other working faces
- One compactor and two bulldozers
- Soils recovered from previous tipping and tarps used for daily cover
  
- All leachate discharging to MMSD; no recirculation
- No flares, 1 turbine and 4 engines in operation
  - Site operation consistent; steady gas volume
  - Gas destruction 2,700 cfm
  - No shut down since last audit
  
- Two rain events since last audit; about 1.5 "
  - Storms were earlier in August
  - Basins have freeboard
  - Little erosion evident from storms
  
- Odors on-site; okay off-site
  - Odors concentrated in active area
- No liquid loads
  
- Litter present on-site; clear off-site
  - Minimal litter, but gusting winds spreading new litter
  - Two litter pickers active
- US 45 and 8-Mile Rd clean; site roads dusty
  
- Tipping scale camera and 3 equipment operators at work; no spotter
- Receiving an average of 1,200 tons per day
  - Waste being tipped is MSW and contaminated soils

**Attachments:**

Action Items List  
Landfill Operations Audit Form  
Landfill Audit Photos



- No rejected loads
- Random load inspection 8/25/17
- Residential drop-off clean
  - Yard waste area has been paved with asphalt millings

**Comments:**

- Manhole has been wrapped to the top and surrounded by soil to control potential gas loss
- Yard waste area in Residential Drop-off has been reconfigured to allow for easier loading of trailers so waste can be moved to off-site

**Attachments:**

Action Items List  
Landfill Operations Audit Form  
Landfill Audit Photos

**WMWI - METRO LANDFILL**  
**Action Items Checklist**  
**City of Franklin Audit**

Opened: 12/02/2015

Updated:

Item Number	DATE	Condition Description	Permit or Contract Reference	Reported to	Initial Schedule for Completion	Actual Completion Date	Elapsed Time (Days)	Notes
1	12/02/2015	Offsite litter on ground and in trees West of 112th Street.	Host Agreement & NR 500	Travis Thorson	ASAP	12/24/2015	22	Offsite litter present over two audits
1	03/30/2016	Offsite litte on ground and in trees along 112th Street	Host Agreement & NR 500	Dan Otzelburger	ASAP	06/18/2016	80	Offsite litter present over two audits
1	01/31/2017	Offsite litte on ground and in trees along 112th Street	Host Agreement & NR 500	Travis Thourson	ASAP	06/14/2017	135	Offsite litter present over two audits

WMWI – METRO LANDFILL  
LANDFILL OPERATIONS AUDIT FORM  
CITY OF FRANKLIN

PROJECT NO. 1036.10056

DATE August 31, 2017

TIME 9:42

Auditor on site at: ☒ Open ☐ Close ☐

WEATHER Cloudy with sun

WIND 0-25  
N S E W

TEMP Maximum 68 °F Minimum 57 °F

B.P. 30.20

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						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face on top of North slope  
of Phase 7. Waste being placed  
on slope as well.  
No other working face

**JSA Environmental**

Cover Material:

Soil & tarp  
Soil recovered from previous tipping

B. Leachate Management:

Discharge to MMSD



C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	
Turbines in	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	1
Engines in	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	4
Shutdowns Since Last Audit:	#					0
Destructed Volume:	#					2,700 cfm

Comments:

Site operation consistent, steady  
gas volumes

D. Surface Water Management:

Storm Events Since Last

# 2

Est. Volume

21.54

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

Storms earlier in August. Basins have  
freeboard and little erosion

E. Odor Control:

Odors Present:

Onsite



Offsite



Notes on odor monitoring page



Comments:

Odors about operation

F. Liquid Loads Recieved:

None

G. Litter Control:

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

Comments:

*Minimal litter, but winds are gusting  
some pickers active*

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

*us 43 & 8 Mile clear.  
Site roads dusty*

I. Inspection of incoming Waste:

Scale Camera	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	<i>1</i>
Equipment Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	<i>3</i>
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	<i>8/15/17</i>			
Average Tonnage:	<i>1,200</i>			

Comments:

*MSW, daily cover soils*

J. Rejected Loads:

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

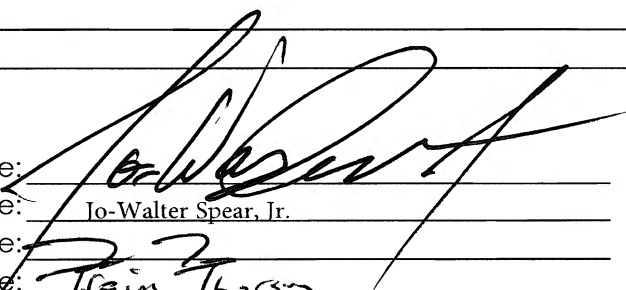
L. Residential Drop ☐ Open During Audit ☐

*Drop off clean, yard waste area paved with asphalt & millings*

L. Other Comments:

\* Manhole wrapped to top and surrounded by soil to control potential gas loss

\* yard waste area in Rear drop off reconfigured to load trailers to remove yard waste off site

Auditor's Signature: 

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

Management Signature: 

Management Printed Name: Brian Thorsen

Management Title: DM

JSA Principal Signature

Date: 8/31/17

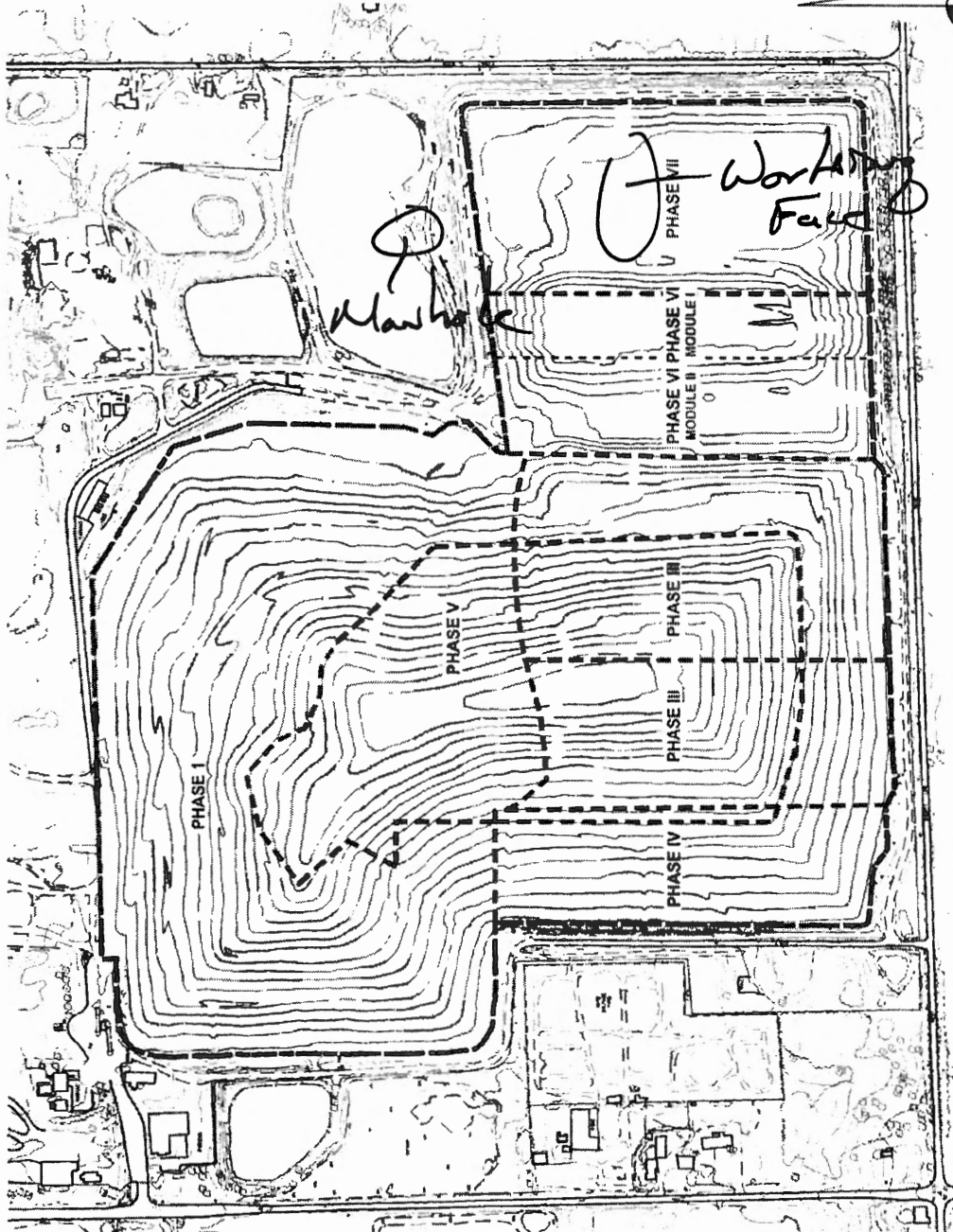
Date: 8/31/17

Date: \_\_\_\_\_



**WMWI - METRO LANDFILL  
LANDFILL AUDIT MAP  
CITY OF FRANKLIN**

PROJECT NO 1036.10056

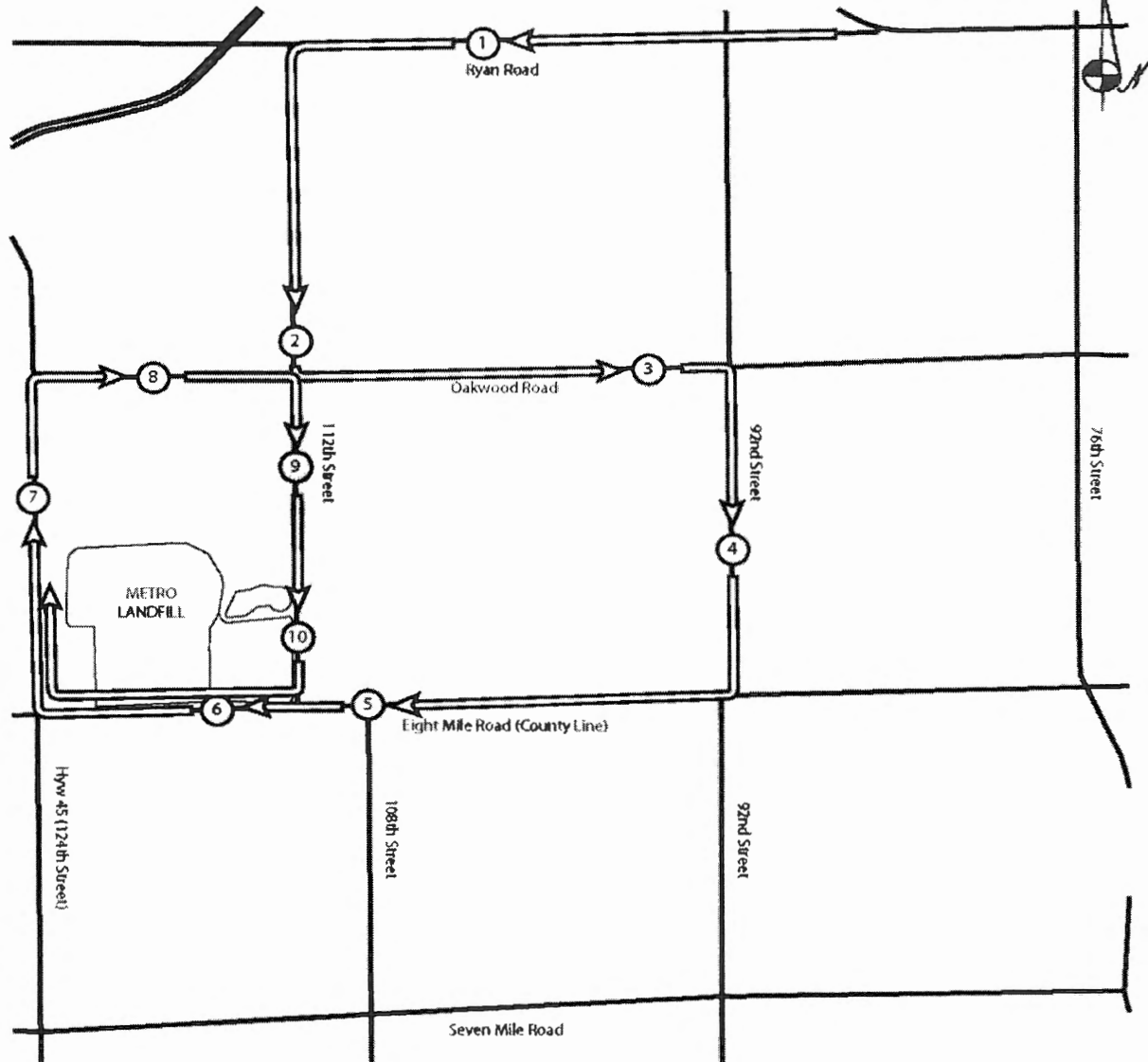


based off a 2003 Phase and Cover map

# WMWI - METRO LANDFILL

## Odor Monitoring Route Map

Off-site odor monitoring route. Numbers denote monitoring stop.



# **WMWI - Metro Landfill, AUDIT PHOTOS**

PROJECT NO. 1036.10056



Phases 6 & 7 viewed from the West





Phases 7 & 8



North slope of Phase 7, active area



Excavator on top of Phase 6, dealing with bio-pile



Working face on North Slope of Phase 7



Tipping at the top of Phase 7



Top of East slope of Phase 7





**September**



## Memorandum

### Metro Recycling and Disposal Facility Audit Summary

**TO:** Waste Management Wisconsin, Inc. Metro Recycling and Disposal Facility (METRO) Monitoring Committee - City of Franklin

**FROM:** Faith Spear

**COPIES:** File

**DATE:** 10/23/17

**PROJECT NUMBER:** 1036

---

Attached is the weekly audit report of activities at the Waste Management Metro Recycling and Disposal Facility for the week of September 24, 2017. The Audit was performed at 1:56 PM, on **September 26, 2017** by Jo Spear Jr. in the presence of Daniel Otzelberger, Site Engineer.

The following bullet items were developed from the **Operations** Audit:

- High sun with low cloud cover, warm day
- Working face in middle of Phase 8
  - Filling just to South of manhole
- Soil loads tipped in working face at top of Phase 7
- One compactor, two bulldozers and one water truck in use on site
- Incoming soil loads from Waukesha DOT project providing daily cover
  
- All leachate discharging to MMSD; no recirculation
- No flares, 1 Turbine and 4 Engines operating
  - Gas destruction 2,500 cfm
  - No shut downs since last audit; shut down planned on 11/7 for expansion
  - Consistent landfill gas collection and destruction for past month
  
- No rain since last audit
  - Basins nearly dry
  - Erosion rills in cover have been repaired
  - Ditch cleaning still required
  
- Odors on-site; okay off-site
  - Gas odor strongest along East perimeter road
- Very few liquid loads
  
- Litter present on-site; clear off-site
  - Minimal litter
  - Light wind moving dust, but not litter today
  - Two litter pickers at work
- US 45 and 8-Mile Rd clean
  - Dust blowing across 112<sup>th</sup> Street

#### Attachments:

Action Items List  
Landfill Operations Audit Form  
Landfill Audit Photos

- Tipping scale camera and 3 equipment operators at work; no spotter
- Receiving an average of 1,500 Tons per day
  - Waste being tipped is MSW and soils from DOT project
  - No rejected loads
  - Random load inspection 10/21/16
- Residential drop-off closed during audit
  - Area cleaned
  - Boxes recently emptied

**Comments:**

- Reviewing Expansion documents; power and gas modifications anticipated
- New gas wells proposed for October

**Attachments:**

Action Items List  
Landfill Operations Audit Form  
Landfill Audit Photos

**WMWI - METRO LANDFILL**  
**Action Items Checklist**  
**City of Franklin Audit**

Opened: 12/02/2015

Updated:

Item Number	DATE	Condition Description	Permit or Contract Reference	Reported to	Initial Schedule for Completion	Actual Completion Date	Elapsed Time (Days)	Notes
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WMWI - METRO LANDFILL  
LANDFILL OPERATIONS AUDIT FORM  
CITY OF FRANKLIN

PROJECT NO. 1036.10056

DATE September 26, 2017

TIME 1:56

Auditor on site at: ☒ Open ☐ Close ☐

WEATHER Low cloud cover, but high sun WIND 10-25  
N 5 E W

TEMP Maximum 84 °F Minimum 57 °F B.P. 29.94

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

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

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face in middle of Phase 8  
just South of manhole  
Soils being tipped in working  
face at top of Phase 7

**JSA Environmental**

Cover Material:

Soils from Waukesha DOT Project

B. Leachate Management:

Discharge to MMSD



C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	
Turbines in	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	4
Engines in	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	4
Shutdowns Since Last Audit:	#	None				
Destructed Volume:	#	2,500		cfm		

Comments:

Consistent LFG collection & destruction for last month. Planned shutdown on 10/7 for expansion

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:

Basins mostly dry. Erosion rills repaired in cover. Ditch cleaning still required.

E. Odor Control:

Odors Present:

Onsite



Offsite



Notes on odor monitoring page



Comments:

Gas odor along East Perimeter

F. Liquid Loads Recieved:

Minimal



G. Litter Control:

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

Comments:

*Minimal litter, conditions moving  
dust but not 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  
Dust blowing over 112th Street*

I. Inspection of incoming Waste:

Scale Camera	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	# <i>1</i>
Equipment Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	# <i>3</i>
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#
Random Load Inspection Dates:	<i>N/A</i>		
Average Tonnage:	<i>1,500 TPD</i>		

Comments:

*Soil project, MSCW,*

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		
2.		

L.

Residential Drop	Open During Audit <input type="checkbox"/>
------------------	--

*Res drop off closed. Very clean.  
Boxes empty*

L. Other Comments:

- \* ~~Expansion~~ review ongoing for Operations. Expansion pre expected in October, such as power and gas changes
- \* Proposed ~~new~~ gas wells for October.

Auditor's Signature: 

Auditor's Printed Name: Walter Spear, Jr.

Management Signature: 

Management Printed Name: Daniel O'Leary

Management Title: Site Engineer

JSA Principal Signature: \_\_\_\_\_

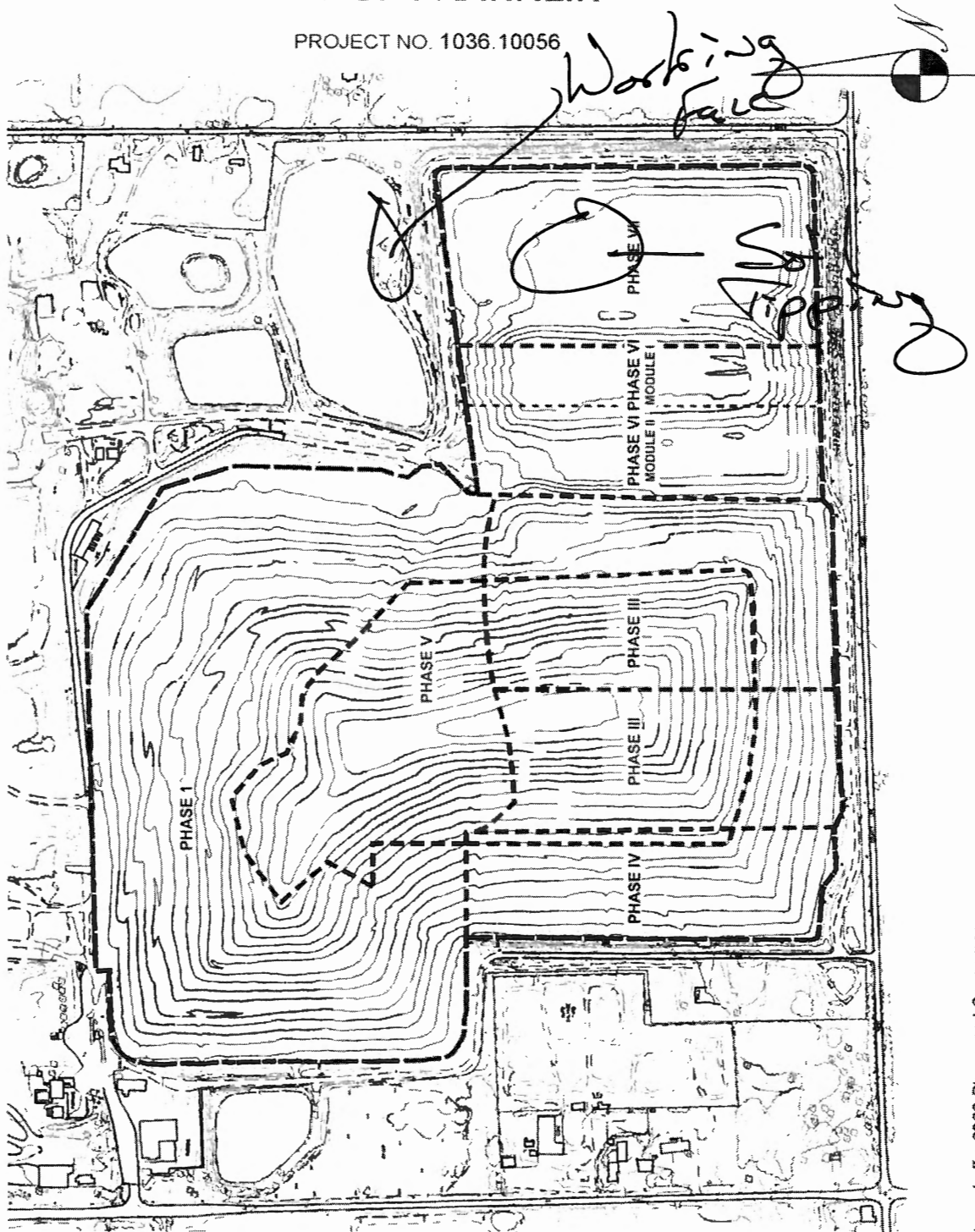
Date: 9/26/17

Date: \_\_\_\_\_

Date: 9/26/17

# WMWI - METRO LANDFILL LANDFILL AUDIT MAP CITY OF FRANKLIN

PROJECT NO. 1036.10056

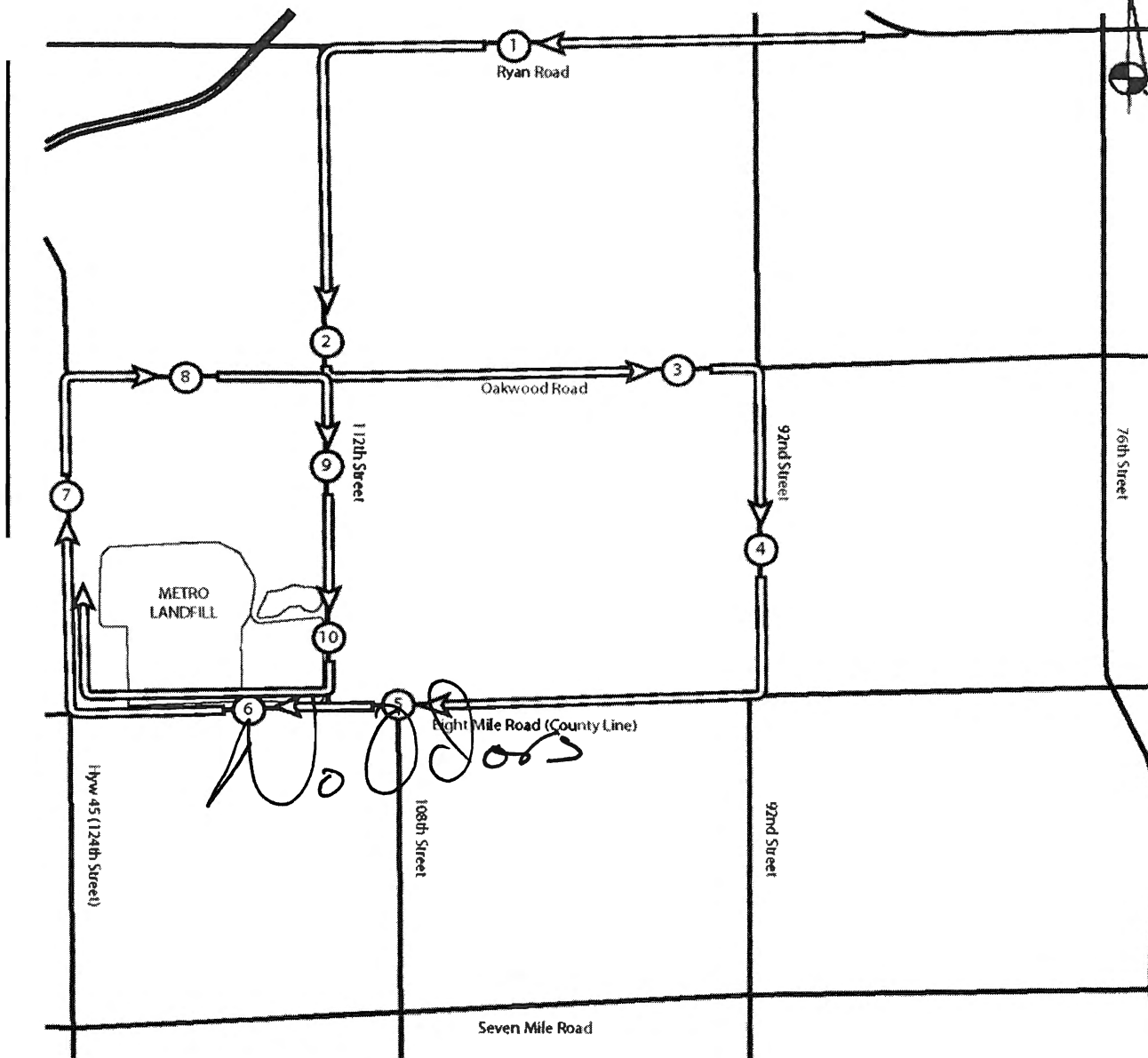
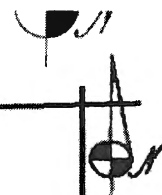


based off a 2003 Phase and Cover map

# WMWI - METRO LANDFILL

## *Odor Monitoring Route Map*

Off-site odor monitoring route. Numbers denote monitoring stop.



# WMWI - Metro Landfill, ***AUDIT PHOTOS***

PROJECT NO. 1036.10056



Working face in Phase 9, adjacent to manhole.





North end of Phase 9



Phase 7 and 8 stockpiling future cover soils





Soil being tipped on top of Phase 7



Phases 8, 6 and 7 viewed from the North



Resi-drop off, all boxes empty



Residential drop off, cleaned and ready for next open day



Phase 8, well covered with additional soil from large soil job



Working face in Phase 9, North slope of Phase 6 & 7





West slope of Phase 9



East ditch about Phase 7, 8, and 9



## Memorandum

### Metro Recycling and Disposal Facility Audit Summary

**TO:** Waste Management Wisconsin, Inc. Metro Recycling and Disposal Facility (METRO) Monitoring Committee - City of Franklin

**FROM:** Faith Spear

**COPIES:** File

**DATE:** 10/23/17

**PROJECT NUMBER:** 1036

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Attached is the weekly audit report of activities at the Waste Management Metro Recycling and Disposal Facility for the week of September 24, 2017. The Audit was performed at 1:56 PM, on **September 26, 2017** by Jo Spear Jr. in the presence of Daniel Otzelberger, Site Engineer.

The following bullet items were developed from the **Operations** Audit:

- High sun with low cloud cover, warm day
- Working face in middle of Phase 8
  - Filling just to South of manhole
- Soil loads tipped in working face at top of Phase 7
- One compactor, two bulldozers and one water truck in use on site
- Incoming soil loads from Waukesha DOT project providing daily cover
  
- All leachate discharging to MMSD; no recirculation
- No flares, 1 Turbine and 4 Engines operating
  - Gas destruction 2,500 cfm
  - No shut downs since last audit; shut down planned on 11/7 for expansion
  - Consistent landfill gas collection and destruction for past month
  
- No rain since last audit
  - Basins nearly dry
  - Erosion rills in cover have been repaired
  - Ditch cleaning still required
  
- Odors on-site; okay off-site
  - Gas odor strongest along East perimeter road
- Very few liquid loads
  
- Litter present on-site; clear off-site
  - Minimal litter
  - Light wind moving dust, but not litter today
  - Two litter pickers at work
- US 45 and 8-Mile Rd clean
  - Dust blowing across 112<sup>th</sup> Street

#### Attachments:

Action Items List  
Landfill Operations Audit Form  
Landfill Audit Photos

- Tipping scale camera and 3 equipment operators at work; no spotter
- Receiving an average of 1,500 Tons per day
  - Waste being tipped is MSW and soils from DOT project
  - No rejected loads
  - Random load inspection 10/21/16
- Residential drop-off closed during audit
  - Area cleaned
  - Boxes recently emptied

**Comments:**

- Reviewing Expansion documents; power and gas modifications anticipated
- New gas wells proposed for October

**Attachments:**

Action Items List  
Landfill Operations Audit Form  
Landfill Audit Photos



WMWI - METRO LANDFILL  
LANDFILL OPERATIONS AUDIT FORM  
CITY OF FRANKLIN

PROJECT NO. 1036.10056

DATE September 26, 2017

TIME 1:56

Auditor on site at: ☒ Open ☐ Close ☐

WEATHER Low cloud cover, but high sun WIND 10-25  
N 5 E W

TEMP Maximum 84 °F Minimum 57 °F B.P. 29.94

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

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

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face in middle of Phase 8  
just South of manhole  
Soils being tipped in working  
face at top of Phase 7

**JSA Environmental**

Cover Material:

Soils from Waukesha DOT Project

B. Leachate Management:

Discharge to MMSD



C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	
Turbines in	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	1
Engines in	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	4
Shutdowns Since Last Audit:	#	None				
Destructed Volume:	#	2,500				cfm

Comments:

Consistent LFG collection & destruction for last month. Planned shutdown on 10/7 for expansion

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 mostly dry. Erosion rills repaired in cover. Ditch cleaning still required.

E. Odor Control:

Odors Present:

Onsite



Offsite



Notes on odor monitoring page



Comments:

Gas odor along East Perimeter

F. Liquid Loads Recieved:

Minimal

G. Litter Control:

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

Comments:

*Minimal litter, conditions moving  
dust but not 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  
Dust blowing over 112th Street*

I. Inspection of incoming Waste:

Scale Camera	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	1
Equipment Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	3
Spotter:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	<i>NA</i>					
Average Tonnage:	<i>1,500 TAD</i>					

Comments:

*Soil project, MSCW,*

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		
2.		

L.

Residential Drop	Open During Audit	<input type="checkbox"/>
------------------	-------------------	--------------------------

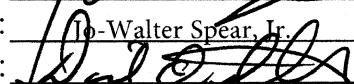
*Res drop off closed. Very clean.  
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L. Other Comments:

\* ~~Expansion start~~ review ongoing  
for Operations. Expansion  
prc expected in October, such  
as power and gas changes  
\* Proposed ~~new~~ gas wells  
for October.

Auditor's Signature: 

Auditor's Printed Name: Walter Spear, Jr.

Management Signature: 

Management Printed Name: Daniel Otzelberger

Management Title: Site Engineer

JSA Principal Signature: \_\_\_\_\_

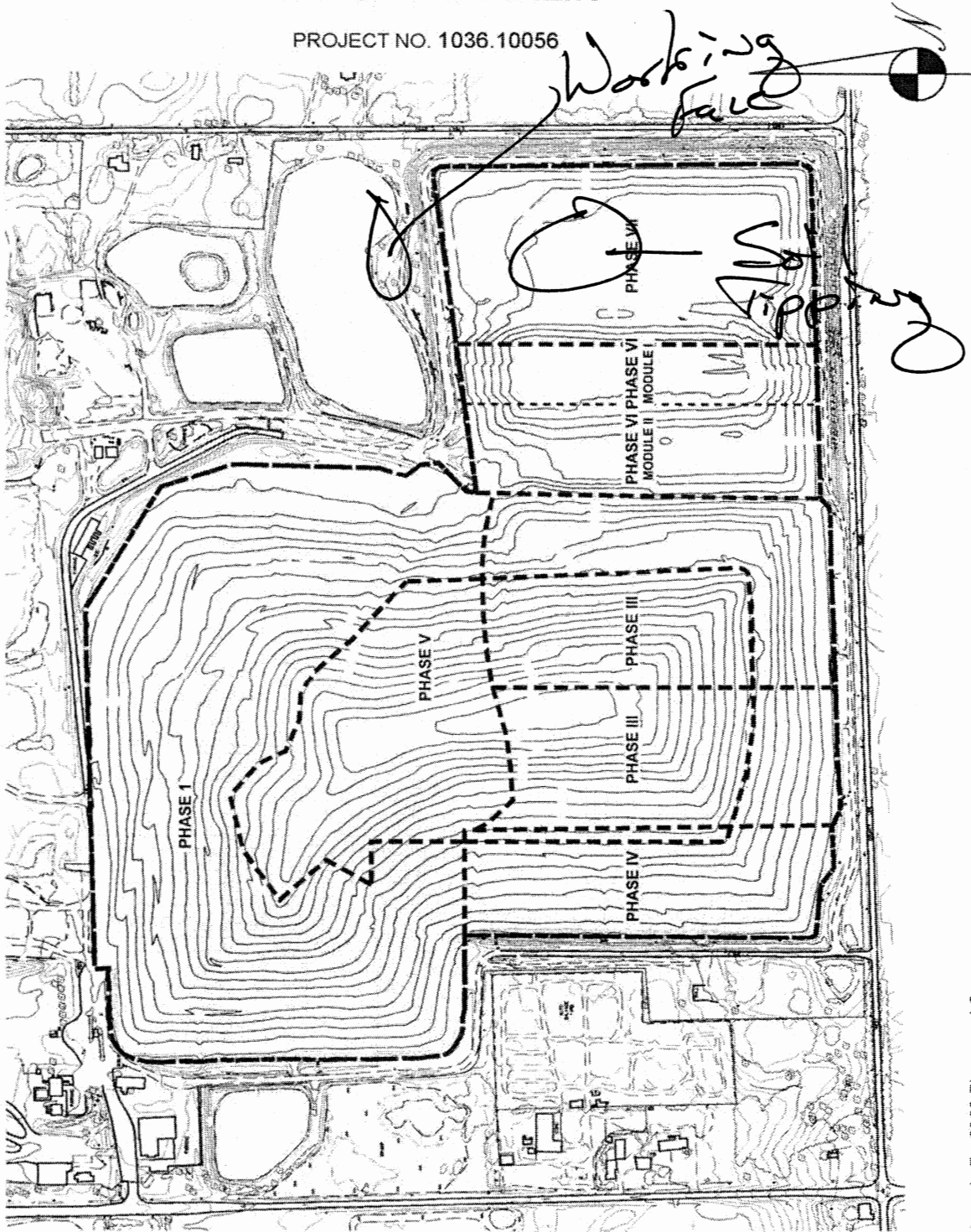
Date: 9/26/17

Date: \_\_\_\_\_

Date: 9/26/17

# WMWI - METRO LANDFILL LANDFILL AUDIT MAP CITY OF FRANKLIN

PROJECT NO. 1036.10056



based off a 2003 Phase and Cover map

# WMWI - METRO LANDFILL

## Odor Monitoring Route Map

Off-site odor monitoring route. Numbers denote monitoring stop.





# WMWI - Metro Landfill, ***AUDIT PHOTOS***

PROJECT NO. 1036.10056



Working face in Phase 9, adjacent to manhole.





North end of Phase 9



Phase 7 and 8 stockpiling future cover soils



Soil being tipped on top of Phase 7



Phases 8, 6 and 7 viewed from the North





Resi-drop off, all boxes empty



Residential drop off, cleaned and ready for next open day



Phase 8, well covered with additional soil from large soil job



Working face in Phase 9, North slope of Phase 6 & 7



West slope of Phase 9



East ditch about Phase 7, 8, and 9



**WMWI - METRO LANDFILL**  
**Action Items Checklist**  
**City of Franklin Audit**

Opened: 12/02/2015

Updated:

Item Number	DATE	Condition Description	Permit or Contract Reference	Reported to	Initial Schedule for Completion	Actual Completion Date	Elapsed Time (Days)	Notes
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**October**



## Memorandum

### Metro Recycling and Disposal Facility Audit Summary

**TO:** Waste Management Wisconsin, Inc. Metro Recycling and Disposal Facility (METRO) Monitoring Committee - City of Franklin

**FROM:** Faith Spear

**COPIES:** File

**DATE:** 11/20/17

**PROJECT NUMBER:** 1036

---

Attached is the weekly audit report of activities at the Waste Management Metro Recycling and Disposal Facility for the week of October 15, 2017. The Audit was performed at 2:05 PM, on **October 18, 2017** by Jo Spear Jr. in the presence of Travis Thorson, District Manager.

The following bullet items were developed from the **Operations** Audit:

- Clear sunny day with heavy winds
- Working face larger than usual due to adjacent trenching
  - Active filling about manhole in Phase 8 and at toe of slope in Phase 7
  - All exposed areas will be covered tonight
- One compactor, two bulldozers and one water truck in use on site
- Previously tipped soil loads used for daily cover
  
- All leachate discharging to MMSD; no recirculation
- No flares, 1 Turbine and 4 Engines in operation
  - Ongoing steady delivery and destruction of gases
  - Gas destruction 2,600 cfm
  - No shut downs since last audit
  
- 3 Storm events since last audit; about 2"
  - Site still wet after storm on 10/10/17
  - Basins dry
  - Ditch cleaning still needed on East perimeter ditch
  
- Odors on-site and off-site (see odor monitoring page)
  - Strong odor downwind of active area and on 112<sup>th</sup> Street
- Minimal incoming liquid loads
  
- Litter present on and off-site
  - Litter in roadside ditches on 112<sup>th</sup> Street off-site
  - Site litter heavy in fences
  - Two litter pickers working
  
- US 45 and 8-Mile Rd clean
  - Site roads clean, but full of potholes, especially on West perimeter

#### Attachments:

Action Items List  
Landfill Operations Audit Form  
Landfill Audit Photos

- Tipping scale camera and 3 equipment operators at work; no spotter
- Average incoming tonnage; 1,200 TPD
  - Waste being tipped is Municipal Solid Wastes
  - No rejected loads
  - Random load inspection 10/9/17
- Residential drop-off open during audit
  - Area clean and very active
  - Some dropped-off timbers need to be moved to active area

Comments:

- Trenching in waste to place gas collection piping done by landfill staff
- Site preparing for excavation by contractor to begin on North side for expansion
- Ditch cleaning STILL necessary on West ditches

Attachments:

Action Items List  
 Landfill Operations Audit Form  
 Landfill Audit Photos

**WMWI - METRO LANDFILL**  
**Action Items Checklist**  
**City of Franklin Audit**

Opened: 12/02/2015

Updated:

Item Number	DATE	Condition Description	Permit or Contract Reference	Reported to	Initial Schedule for Completion	Actual Completion Date	Elapsed Time (Days)	Notes
1	12/02/2015	Offsite litter on ground and in trees West of 112th Street.	Host Agreement & NR 500	Travis Thorson	ASAP	12/24/2015	22	Offsite litter present over two audits
1	03/30/2016	Offsite litte on ground and in trees along 112th Street	Host Agreement & NR 500	Dan Otzelburger	ASAP	06/18/2016	80	Offsite litter present over two audits
1	01/31/2017	Offsite litte on ground and in trees along 112th Street	Host Agreement & NR 500	Travis Thourson	ASAP	06/14/2017	135	Offsite litter present over two audits

WMWI – METRO LANDFILL  
LANDFILL OPERATIONS AUDIT FORM  
CITY OF FRANKLIN

PROJECT NO. 1036.10056

DATE October 18, 2017

TIME 2:05

Auditor on site at: ☒ Open ☐ Close ☐

WEATHER Clear, Sunny, heavy winds

WIND 10-25  
N 0 E W

TEMP Maximum 73 °F Minimum 53 °F

B.P. 30.09

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

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

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face very large due to adjacent  
trenching. All exposed areas will be  
covered 400 ft. Working face in Phase 8  
about Manhole and toe of slope of Phase 7

**JSA Environmental**



Cover Material:

Soils from previously tipped

B. Leachate Management:

Discharge to MMSD



C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	
Turbines in	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	1
Engines in	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	4
Shutdowns Since Last Audit:	#					0
Destructed Volume:	#					2,600 cfm

Comments:

Shutdowns for maintenance only  
experiencing steady destruction

D. Surface Water Management:

Storm Events Since Last

#3

Est. Volume

22"

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

Site still wet after storm event on  
10/15/17. Basins dry, ditch cleaning  
still needed on East perimeter ditch

E. Odor Control:

Odors Present:

Onsite



Offsite



Notes on odor monitoring page



Comments:

Strong odors downwind of active area  
and over 112th Street

F. Liquid Loads Recieved:

Manual tipping

G. Litter Control:

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

Comments:

*Litter in road side ditches on 112th Street*  
*Site litter no 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 & 8 Mile clean. Site roads clean*  
*but potholed on West perimeter*

I. Inspection of incoming Waste:

Scale Camera	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Equipment Operator:	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	3
Spotter:	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	<i>10/9/17</i>			
Average Tonnage:	<i>1,200 TPD</i>			

Comments:

*MSW*

J. Rejected Loads:

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

L.

Residential Drop	Open During Audit <input checked="" type="checkbox"/>
------------------	---

*Resi-drop active & clean. Some timbers that needed to be moved to active area*

L. Other Comments:

\* Trenching in waste to place gas  
collection pipe  
Work done in house

\* Site preparing for excavations  
to begin on North side for  
Expansion.

\* Ditch digging still necessary  
on West ditches

Auditor's Signature: \_\_\_\_\_

Auditor's Printed Name: \_\_\_\_\_

Jo-Walter Spear, Jr.

Management Signature: \_\_\_\_\_

Management Printed Name: \_\_\_\_\_

Travis Thorsen

Management Title: \_\_\_\_\_

District Manager

JSA Principal Signature: \_\_\_\_\_

Date: \_\_\_\_\_

10/18/17

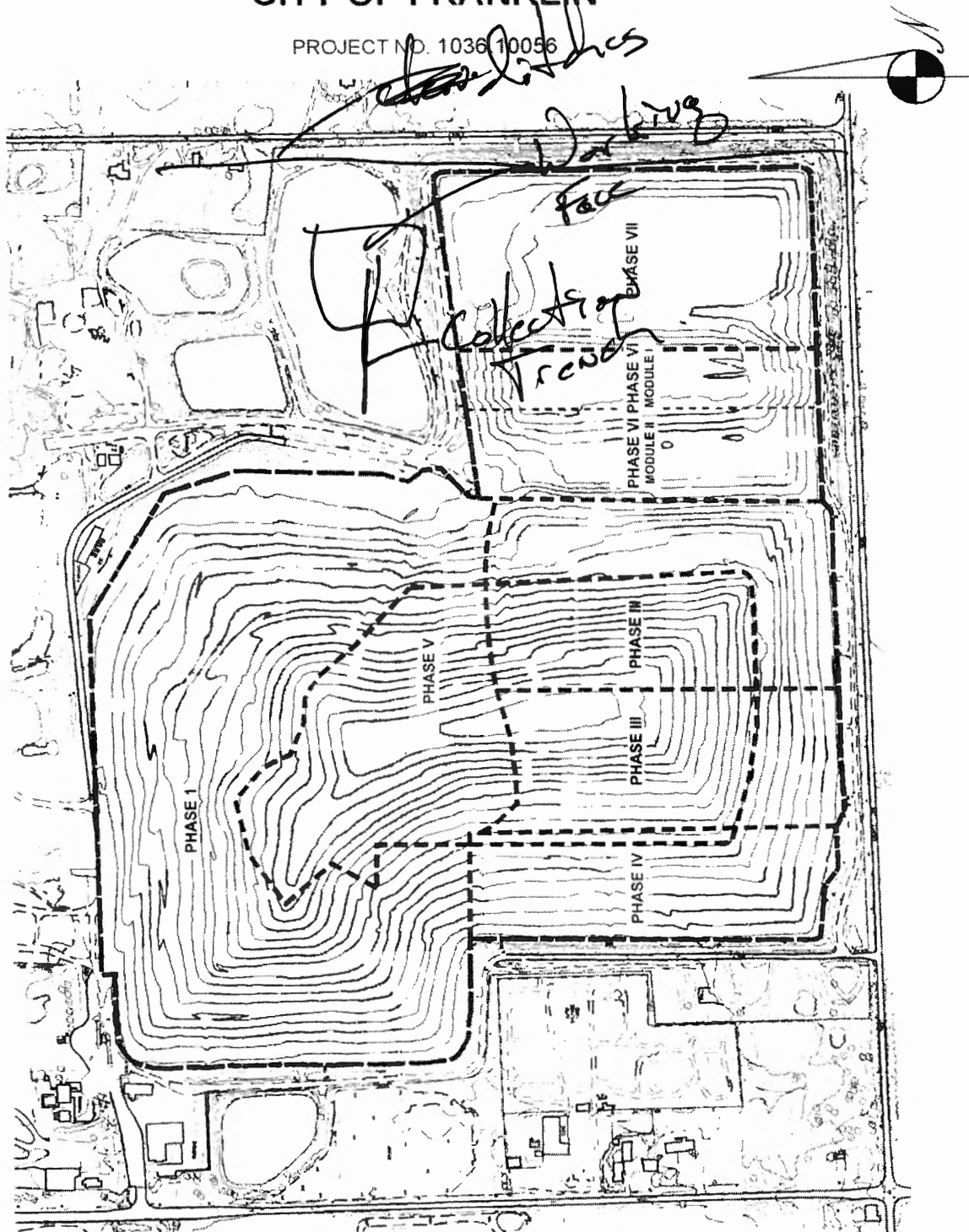
Date: \_\_\_\_\_

10/18/17

Date: \_\_\_\_\_

# WMWI - METRO LANDFILL LANDFILL AUDIT MAP CITY OF FRANKLIN

PROJECT NO. 1036 10056

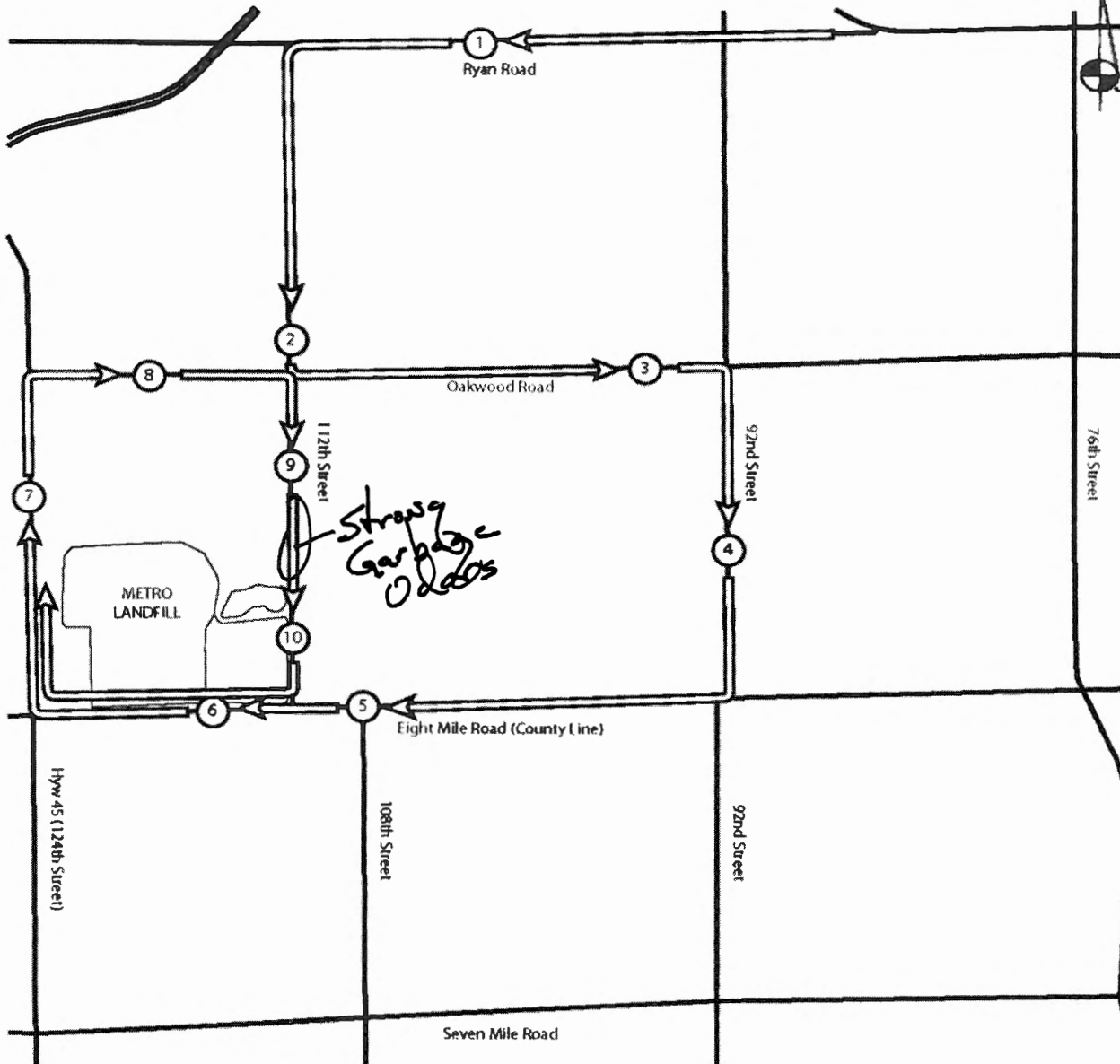


based off a 2003 Phase and Cover map

# WMWI - METRO LANDFILL

## Odor Monitoring Route Map

Off-site odor monitoring route. Numbers denote monitoring stop.



# WMWI - Metro Landfill, *AUDIT PHOTOS*

PROJECT NO. 1036.10056



Working face in Phase 8 adjacent to manhole







Phases 7 thru 9 viewed from the West



Access between Phases



Phases 8, 6 and 7 viewed from the North



Phases 8, 6 and 7 viewed from the North



Southwest corner of Phase 9, access point for equipment



East slope of Phase 8



East slope of Phase 7





## Memorandum

### Metro Recycling and Disposal Facility Audit Summary

**TO:** Waste Management Wisconsin, Inc. Metro Recycling and Disposal Facility (METRO) Monitoring Committee - City of Franklin

**FROM:** Faith Spear

**COPIES:** File

**DATE:** 11/20/17

**PROJECT NUMBER:** 1036

---

Attached is the weekly audit report of activities at the Waste Management Metro Recycling and Disposal Facility for the week of October 29, 2017. The Audit was performed at 11:10 AM, on **October 30, 2017** by Jo Spear Jr. in the presence of Daniel Ottzelberger, Site Engineer.

The following bullet items were developed from the **Operations** Audit:

- Low clouds with sun frequently breaking through
- Working face in area where Phases 7 & 8 meet; just South of manhole location
  - Addition working area in Phase 6 for Bio-soils and Asbestos, but not active during audit
- One compactor, two bulldozers and one excavator in use on site
- Accumulated soils from previous jobs used for daily cover
  
- All leachate discharging to MMSD; no recirculation
- No flares, 1 Turbine and 3 Engines in operation
  - One engine down due to breakage
    - Expected to be back on line this week
  - Gas destruction 2,200 cfm
  - One shut down since last audit
  
- Three storm events since last audit; about 1"
  - Basins are mostly drained
  - Ditch cleaning needed
  
- Odors both on and off-site (see odor monitoring map)
  - Gas odors about Southeast corner on and off-site
- Minimal incoming liquid loads
  
- Litter present both on and off-site
  - On-site litter in fences along top of slope, East slope and around residential drop-off
  - Three litter pickers at work
  
- US 45 and 8-Mile Rd clean near site
  - Site roads rutted

#### Attachments:

Action Items List  
Landfill Operations Audit Form  
Landfill Audit Photos

- Tipping scale camera and 3 equipment operators at work; no spotter
- Average incoming tonnage 1,400 TPD (tons per day)
  - Waste being tipped is MSW, C&D and soils suitable for use as cover
  - No rejected loads
  - Random load inspection 10/27/17
- Residential drop-off open during audit
  - Site overall cleaning
  - Cardboard box overfull, excess on ground

Comments:

- Construction of Northern Expansion West (New) begun on 10/20/17
  - Clearing and grubbing beyond
- Soil excavation ongoing
  - Excavators, scrapper and haul trucks in use
  - Soils stockpiled in Northeast corner of site
  - Contractor; New Berlin Grading

Attachments:

Action Items List  
 Landfill Operations Audit Form  
 Landfill Audit Photos



**WMWI - METRO LANDFILL**  
**Action Items Checklist**  
**City of Franklin Audit**

Opened: 12/02/2015

Updated:

Item Number	DATE	Condition Description	Permit or Contract Reference	Reported to	Initial Schedule for Completion	Actual Completion Date	Elapsed Time (Days)	Notes
1	12/02/2015	Offsite litter on ground and in trees West of 112th Street.	Host Agreement & NR 500	Travis Thorson	ASAP	12/24/2015	22	Offsite litter present over two audits
1	03/30/2016	Offsite litte on ground and in trees along 112th Street	Host Agreement & NR 500	Dan Otzelburger	ASAP	06/18/2016	80	Offsite litter present over two audits
1	01/31/2017	Offsite litte on ground and in trees along 112th Street	Host Agreement & NR 500	Travis Thourson	ASAP	06/14/2017	135	Offsite litter present over two audits

WMWI – METRO LANDFILL  
LANDFILL OPERATIONS AUDIT FORM  
CITY OF FRANKLIN

PROJECT NO. 1036.10056

DATE October 30, 2017

TIME 11:10

Auditor on site at: Open ☐ Close ☐

WEATHER Low clouds, but frequent sun WIND 10-25  
N S E W

TEMP Maximum 44 °F Minimum 32 °F B.P. 29.63

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						

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face is Phase 8/7 South of  
manhole location. All: Howa  
areas in Phase 6 for bio soils  
& ashes too, but not active  
during audit

**JSA Environmental**

Cover Material:

Soils from previous jobs

B. Leachate Management:

Discharge to MMSP



C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES	<input type="checkbox"/>	NO	<input type="checkbox"/>	#	
Turbines in	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	1
Engines in	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	3
Shutdowns Since Last Audit:	# 1					
Destructed Volume:	# 2,200					cfm

Comments:

One engine down due to breakage  
should be back online this week

D. Surface Water Management:

Storm Events Since Last

# 3

Est. Volume

21"

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

Basins mostly drained  
Ditches require cleaning

E. Odor Control:

Odors Present:

Onsite



Offsite



Notes on odor monitoring page



Comments:

Gas odors about Southeast corner  
both on and offsite

F. Liquid Loads Recieved:

Minimal

G. Litter Control:

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

Comments:

Litter in top of slope fences, East slopes and about 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 & Mile Clean about site  
Site roads rutted

I. Inspection of incoming Waste:

Scale Camera	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	1
Equipment Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	3
Spotter:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:						10/23/17
Average Tonnage:						1,400 TPD

Comments:

MSW, C&D, and cover soil

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

L. Residential Drop Open During Audit ☒

Site Clean, but cardboard box overflow on ground.

L. Other Comments:

\* Construction of Northern Expansion West (NEW) began on 10/25/17 with clearing and grubbing.

Today soil excavation was ongoing with excavators, scraper, and haul trucks. Soils stored piled in Northeast corner of site. Contractor is New Berlin Grading.

Auditor's Signature: 

Auditor's Printed Name: Walter Spear, Jr.

Management Signature: 

Management Printed Name: Daniel Otzelberger

Management Title: Site Engineer

JSA Principal Signature: \_\_\_\_\_

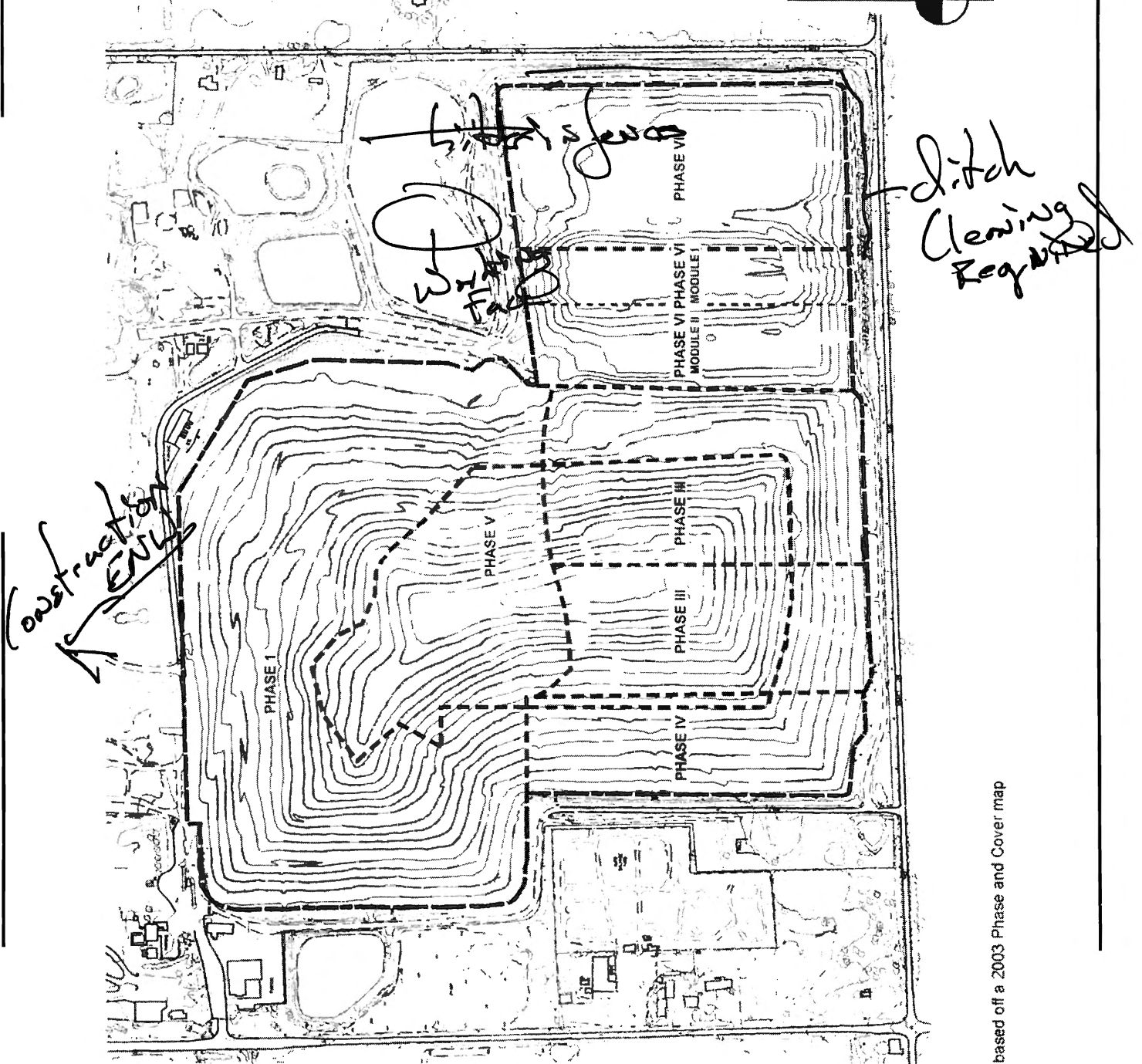
Date: 10/30/17

Date: 10/30/17

Date: \_\_\_\_\_

# WMWI - METRO LANDFILL LANDFILL AUDIT MAP CITY OF FRANKLIN

PROJECT NO 1036.10056



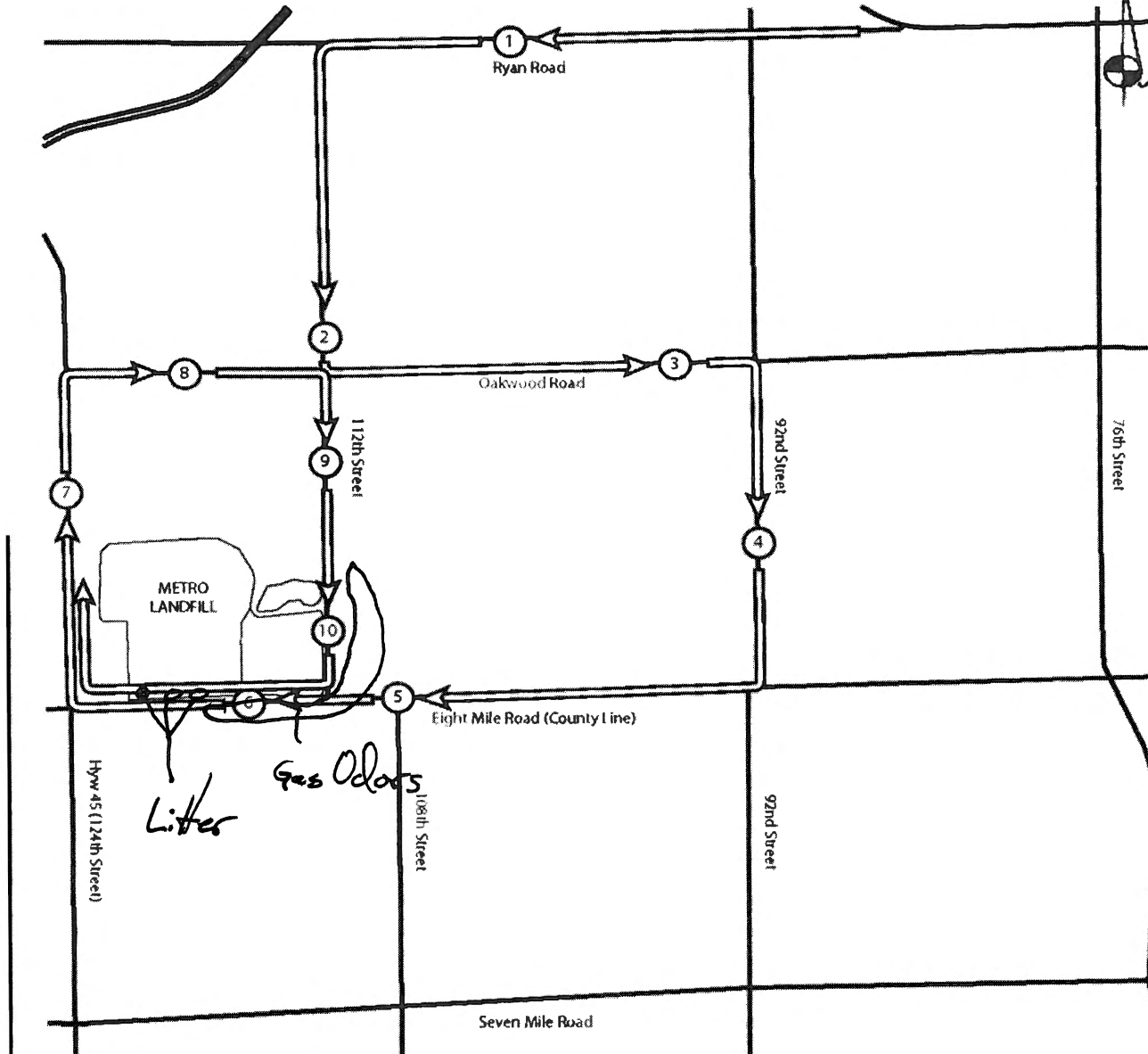
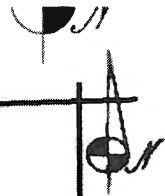
based off a 2003 Phase and Cover map



# WMWI - METRO LANDFILL

## Odor Monitoring Route Map

Off-site odor monitoring route. Numbers denote monitoring stop.



# WMWI - Metro Landfill, *AUDIT PHOTOS*

PROJECT NO. 1036.10056



Working phase in Phase 8





Phases 8 & 9



Phase 7 and 8 stockpiling future cover soils



Trees in protected wetland, expansion on the West (left) and borrow area on the East (right)



Borrow area in Northeast section of Landfill. Stockpiling top soil closer to camera, clay being tipped in far North West corner





Clearing, stripping, and grubbing of North Expansion West (NEW), North of current footprint



Clearing, stripping, and grubbing of North Expansion West (NEW), North of current footprint



Resi-drop off, well cleaned, though some boxes are filling up



Access into Phase 8, Phase 7 in the background





South slope of Phase 7 and portions of Phase 8



East ditch about Phase 7, 8, and 9



East slope of Phase 8, top of slope litter fencing is very effective



Summo wrestler's skin found on internal roads....



**November**



## Memorandum

### **Metro Recycling and Disposal Facility Audit Summary**

**TO:** Waste Management Wisconsin, Inc. Metro Recycling and Disposal Facility (METRO) Monitoring Committee - City of Franklin

**FROM:** Faith Spear

**COPIES:** File

**DATE:** 04/09/18

**PROJECT NUMBER:** 1036

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Attached is the weekly audit report of activities at the Waste Management Metro Recycling and Disposal Facility for the week of November 12, 2016. The Audit was performed at 2:45 PM, on **November 14, 2018** by Jo Spear Jr. in the presence of Travis Thorson, District Manager.

**The following bullet items were developed from the Operations Audit:**

- Overcast day with gusting winds; temperature in 40°s
- Working face along Eastern slope of Phase 6
  - Partial overlay of parts of Phases 8 & 9
- Soil and Asbestos loads being tipped on top of Phase 6
- One compactor and two bulldozers in use on site
- Soils recovered from previous tipping used as daily cover
  
- All leachate discharging to MMSD; no recirculation
- One flare, 1 Turbine and 3 Engines in operation
  - Air leak discovered and repaired today
  - Flare lit to deal with oxygen impacts from air leak
  - One engine down for routine maintenance
  
- One minor snow/rain storm event since last audit; no notable volume
  - Ditches need cleaning
  
- No on-site odors
- Off-site odor noted on 112<sup>th</sup> Street, North of Oakwood Road
- Receiving roughly two liquid loads per week
  
- Litter present on and off-site
  - Off-site litter mostly in trees along 112<sup>th</sup> Street
  - On-site litter only on East slopes
- US 45 and 8-Mile Rd clean
  - Site roads rutted
  
- Tipping scale camera and 3 equipment operators at work; no spotter
- Receiving an average of 1,800 TPD
  - Waste being tipped is MSW, soils and C&D
  - No rejected loads

**Attachments:**

Action Items List  
Landfill Operations Audit Form  
Landfill Audit Photos

- Random load inspection 11/11/17
- Residential drop-off open during audit
  - Trash boxes emptied right before audit
  - Cardboard recycling box over flowing

**Comments:**

- Construction excavation on-going
  - Topsoil stripping continues
  - Initial excavation of clay begun
  - No materials leaving site; stockpiled in borrow area
- Contractor on site
  - Drilling new wells for gas collection
  - Drilling should be completed by next week

**Attachments:**

Action Items List  
Landfill Operations Audit Form  
Landfill Audit Photos

**WMWI - METRO LANDFILL**  
**Action Items Checklist**  
**City of Franklin Audit**

Opened: 12/02/2015

Updated:

Item Number	DATE	Condition Description	Permit or Contract Reference	Reported to	Initial Schedule for Completion	Actual Completion Date	Elapsed Time (Days)	Notes
1	12/02/2015	Offsite litter on ground and in trees West of 112th Street.	Host Agreement & NR 500	Travis Thorson	ASAP	12/24/2015	22	Offsite litter present over two audits
1	03/30/2016	Offsite litte on ground and in trees along 112th Street	Host Agreement & NR 500	Dan Otzelburger	ASAP	06/18/2016	80	Offsite litter present over two audits
1	01/31/2017	Offsite litte on ground and in trees along 112th Street	Host Agreement & NR 500	Travis Thourson	ASAP	06/14/2017	135	Offsite litter present over two audits



WMWI - METRO LANDFILL  
LANDFILL OPERATIONS AUDIT FORM  
CITY OF FRANKLIN

PROJECT NO. 1036.10056

DATE November 14, 2017

TIME 2:45

Auditor on site at: ☒ Open ☐ Close ☐

WEATHER Overcast w/ gusting winds

WIND 10-35  
N S E W

TEMP Maximum 46 °F Minimum 42 °F

B.P. 30.27

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

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

MAJOR EQUIPMENT BONEYARD

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

A. Working Face Size and Location:

Working face along North slope of  
Phase 6, part of Phase 9/8 overlay  
Soils & Asbestos being tipped  
on top of Phase 6



Cover Material:

Soils recovered from previous tipping

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	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	1
Engines in	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	3
Shutdowns Since Last Audit:	#					1
Destructed Volume:	#					2,441 cfm

Comments:

Air leak discovered & repaired today.  
Flare lit to deal w/ the oxygen impacts from leak. 1 Engine down for maintenance

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/rain event over weekend,  
No accumulation or volume. Ditches need  
cleaning

E. Odor Control:

Odors Present:

Onsite



Offsite



Notes on odor monitoring page



Comments:

No odors

F. Liquid Loads Recieved:

~ / per week

G. Litter Control:

Litter Present	YES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Litter Present	YES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Pickers Active:	YES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	# 1

Comments:

Litter present offsite in trees along 112th Street. Site litter only on East slopes

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

US 45 & 3 Mile Clean  
Site roads rutted

I. Inspection of incoming Waste:

Scale Camera	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	1
Equipment Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	3
Spotter:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:						11/11/17
Average Tonnage:						1,200

Comments:

MSW, soils, & C&D

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

L. Residential Drop Open During Audit ☐

Resi drop off between boxes being emptied prior to audit. Overflow of cardboard

L. Other Comments:

\* Construction excavation ongoing  
top soil & fill being stripped  
initial excavation into clay  
started. ~~and~~ No material leaving  
site all stockpile in borrow area

\* Contractor on site drilling new  
wells for gas collection. Drilling  
to be completed next week.

Auditor's Signature: 

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

Management Signature: 

Management Printed Name: Travis Thorburn

Management Title: OM

JSA Principal Signature \_\_\_\_\_

Date: 11/14/17

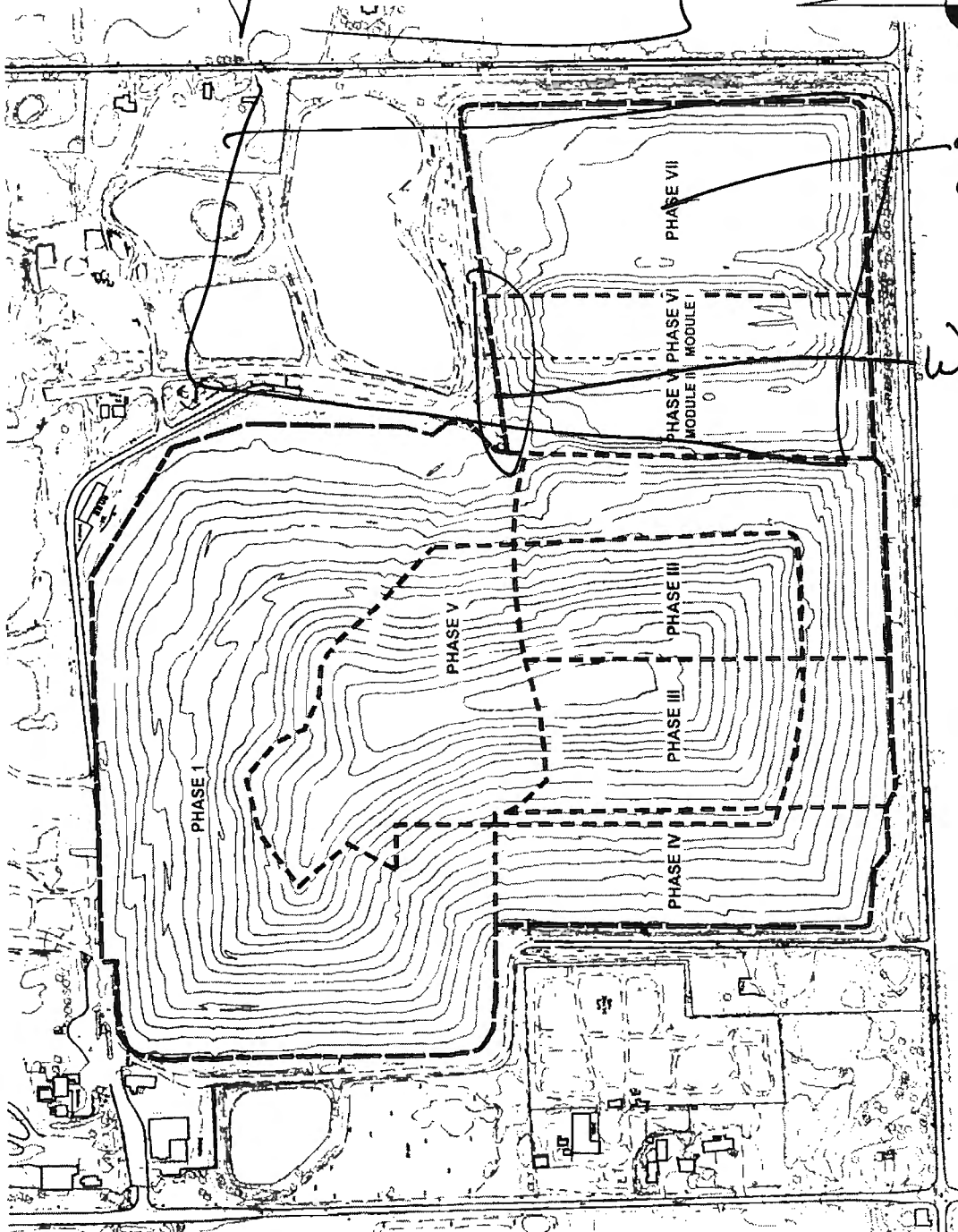
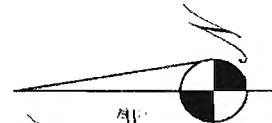
Date: 11/14/17

Date: \_\_\_\_\_

**WMWI - METRO LANDFILL**  
**LANDFILL AUDIT MAP**  
**CITY OF FRANKLIN**

PROJECT NO 1036.10056

*Excavator*

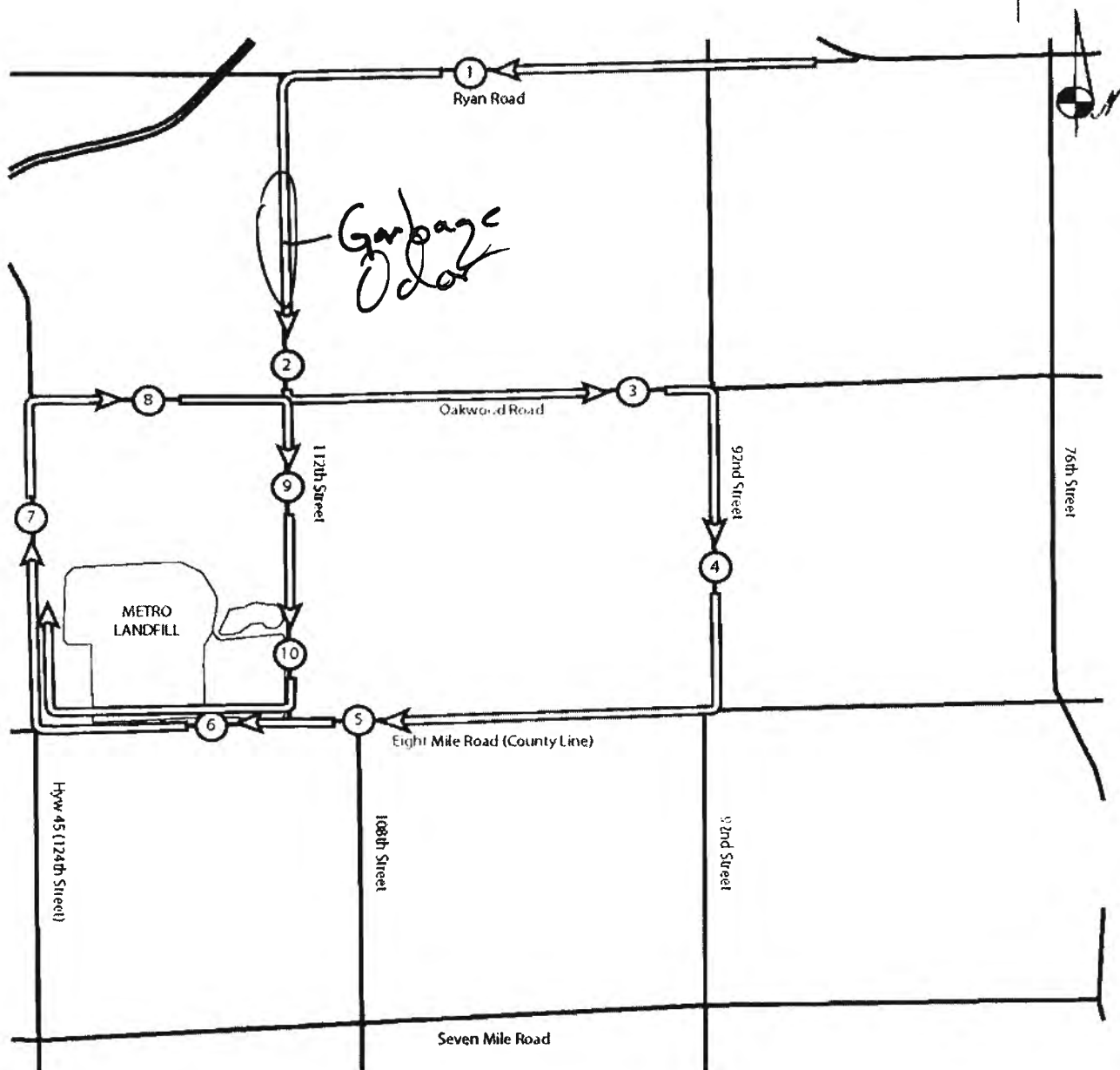


based off a 2003 Phase and Cover map

# WMWI - METRO LANDFILL

## Odor Monitoring Route Map

Off-site odor monitoring route. Numbers denote monitoring stop.





# WMWI - Metro Landfill, *AUDIT PHOTOS*

PROJECT NO. 1036.10056



Working phase in Phase 6





Phases 6 thru 9 viewed from the West



Phases 8 & 9 viewed from the West



Working face stretched out across North slope of Phase 6



Working face stretched out across North slope of Phase 6





Excavation of North Expansion West



Excavation of North Expansion West



North slope of Phases 6 & 7



East edge of Phase 8 & 9



Working face on North slope of Phase 6





## Memorandum

### **Metro Recycling and Disposal Facility Audit Summary**

**TO:** Waste Management Wisconsin, Inc. Metro Recycling and Disposal Facility (METRO) Monitoring Committee - City of Franklin

**FROM:** Faith Spear

**COPIES:** File

**DATE:** 4/9/18

**PROJECT NUMBER:** 1036

---

Attached is the weekly audit report of activities at the Waste Management Metro Recycling and Disposal Facility for the week of November 26, 2017. The Audit was performed at 1:56 PM, on **November 28, 2017** by Jo Spear Jr. in the presence of Daniel Otzelberger, Site Engineer.

**The following bullet items were developed from the Operations Audit:**

- Heavy overcast; pending precipitation; Temperature in mid- 50s
- Working face in Phase 8 about manhole
  - Additional working faces in Phase 6 for bio soils
  - Cover soils going to Phase 7
  - One compactor, two bulldozers, one excavator and one man-lift in use on site
- Previously tipped soils used for daily cover
  
- All leachate discharging to MMSD; no recirculation
- One flare, one Turbine and 3 Engines in operation
  - Flare lit due to failure of one engine
  - Gas destruction 2,400 cfm
  - Engine will be shut down until repaired; expected next week
  - One shut down since last audit
  
- Three minor rains since last audit; about 1"
  - Perimeter ditches need cleaning
  
- Odors on US 45 coming from Emerald Park
  - Odors noted on Rt. 45 between 8 Mile and Oakwood Roads
- No liquid loads
  
- Litter present on, and off-site
  - Litter mostly in fences and on East slopes
  - Two litter pickers working on-site
  - Off-site litter in trees along 112<sup>th</sup> Street
- US 45 and 8-Mile Rd clean
  - Site roads rutted and dusty

**Attachments:**

Action Items List  
Landfill Operations Audit Form  
Landfill Audit Photos

- Tipping scale camera and 3 equipment operators at work; no spotter
- Receiving approximately 1,250 TPD
  - Waste being tipped is MSW, some bio soils and cover soils
  - No rejected loads
  - Random load inspection 10/21/16
- Residential drop-off closed during audit
  - Area clean
  - Boxes mostly empty

**Comments:**

- Gas engine has broken crank shaft
  - Has been out of use for nearly a week
  - Flare lit to compensate
- Off-site litter has been added to Action Item List
- Tall litter fence is being installed on East edge of Phases 8 & 9

**Attachments:**

Action Items List  
Landfill Operations Audit Form  
Landfill Audit Photos



**December**



## Memorandum

### Metro Recycling and Disposal Facility Audit Summary

**TO:** Waste Management Wisconsin, Inc. Metro Recycling and Disposal Facility (METRO) Monitoring Committee - City of Franklin

**FROM:** Faith Spear

**COPIES:** File

**DATE:** 4/9/18

**PROJECT NUMBER:** 1036

---

Attached is the weekly audit report of activities at the Waste Management Metro Recycling and Disposal Facility for the week of December 10, 2017. The Audit was performed at 1:30 PM, on **December 11, 2017** by Jo Spear Jr. in the presence of Travis Thorson, District Manager.

**The following bullet items were developed from the Operations Audit:**

- Snow falling during audit; temperature in lower 30s
- Working face above flare in Phase 8
  - Along active slope
  - Lift moving Westward to fill around flare
  - No other working faces
- One compactor and two bulldozers in use on site
- Incoming soil loads used for daily cover
  
- All leachate discharging to MMSD; no recirculation
- One flare, One Turbine and 3 Engines in operation
  - Improvements have been made to flare
    - Flare can be lit at 150cfm now
    - Expect flare to be used more often going forward
  - Gas destruction 2,721 cfm
  - Engine still awaiting repair
  - One shut down since last audit
  
- One snow event since last audit; little accumulation
  - Basin partially iced over
  - Surface water flows frozen
  
- Odors on-site
  - Gas odor strongest along perimeter road
- No liquid loads
  
- Litter present on, and off-site
  - Litter greatly reduced since 12/8/17
  - Three litter pickers working
  - Off-site litter still in trees along 112<sup>th</sup> Street

**Attachments:**

Action Items List  
Landfill Operations Audit Form  
Landfill Audit Photos

- US 45 and 8-Mile Rd clean
  - Site roads rough
- Tipping scale camera and 3 equipment operators at work; no spotter
- Receiving approximately 1,500 TPD
  - Waste being tipped is MSW, cover soils and small amount of special waste
  - No rejected loads
  - Random load inspection 12/9/17
- Residential drop-off open during audit
  - Area quiet; no public tipping during
  - Boxes mostly empty

**Comments:**

- Site closed at 1:30 PM on 12/5/17 due to unusually high winds
  - Site stayed open until 2:00 PM on 12/7 to compensate for early closing previous day
- On-site litter appears to be under control
  - Off-site litter to be addressed

**Attachments:**

Action Items List  
Landfill Operations Audit Form  
Landfill Audit Photos

# WMWI - METRO LANDFILL

## Action Items Checklist

### City of Franklin Audit

Opened: 12/02/2015

Updated:

Item Number	DATE	Condition Description	Permit or Contract Reference	Reported to	Initial Schedule for Completion	Actual Completion Date	Elapsed Time (Days)	Notes
1	12/02/2015	Offsite litter on ground and in trees West of 112th Street.	Host Agreement & NR 500	Travis Thorson	ASAP	12/24/2015	22	Offsite litter present over two audits
1	03/30/2016	Offsite litter on ground and in trees along 112th Street	Host Agreement & NR 500	Dan Otzelburger	ASAP	06/18/2016	80	Offsite litter present over two audits
1	01/31/2017	Offsite litter on ground and in trees along 112th Street	Host Agreement & NR 500	Travis Thourson	ASAP	06/14/2017	135	Offsite litter present over two audits
2	11/28/2017	Offsite litter on ground and in trees along 112th Street	Host Agreement & NR 500	Dan Otzelburger	ASAP			Offsite litter present over two audits



WMWI - METRO LANDFILL  
LANDFILL OPERATIONS AUDIT FORM  
CITY OF FRANKLIN

PROJECT NO. 1036.10056

DATE December 11, 2017

TIME 1:30

Auditor on site at: ☒ Open ☐ Close ☐

WEATHER Snow fall during audit cloudy

WIND 0-5 N ☒ E ☒

TEMP Maximum 32 °F Minimum 16 °F B.P. 29.79

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

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

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face above flare in Phase 8  
along Western slope. Lift moving  
westward to fill around flare  
No other working faces



Cover Material:

Tipped 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	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	1
Engines in	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	#	3
Shutdowns Since Last Audit:	# <del>2,721</del> 1			
Destructed Volume:	# 2,721 cfm			

Comments:

Engine still under repair. Flare improvements now allow the flare to be lit at 150 cfm. Expect more flare use.

D. Surface Water Management:

Storm Events Since Last

# 1

Est. Volume

min

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

One snow event since last audit. Surface water flows frozen. Basin iced but not completely.

E. Odor Control:

Odors Present:

Onsite

☒

Offsite

☐

Notes on odor monitoring page

☐

Comments:

Odor about per. meter road

F. Liquid Loads Recieved:

None

G. Litter Control:

Litter Present <i>on</i>	YES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Litter Present <i>off</i>	YES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pickers Active:	YES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	# <i>3</i>

Comments:

*Litter greatly reduced since 12/8*  
*Litter still off site on 112th Street*

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

*Uts of 8 M.T.C Clean.*  
*Site roads rough*

I. Inspection of incoming Waste:

Scale Camera	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	<i>1</i>
Equipment Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	<i>3</i>
Spotter:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	<i>12/9/17</i>					
Average Tonnage:	<i>1,500 TPD</i>					

Comments:

*Cover soils, MSW, small volume special waste*

J. Rejected Loads:

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

L.

Residential Drop	Open During Audit	<input checked="" type="checkbox"/>
------------------	-------------------	-------------------------------------

*No activity during audit. Boxes mostly empty*

L. Other Comments:

\* Site shutdown due to wind ~~on~~  
on 12/5/17 at 1:30 PM. Due to  
early closing time, site  
was open until 2:00pm on 12/9  
to compensate

\* Onsite litter managed offsite  
litter to be addressed

Auditor's Signature: \_\_\_\_\_

Auditor's Printed Name: \_\_\_\_\_

Management Signature: \_\_\_\_\_

Management Printed Name: \_\_\_\_\_

Management Title: \_\_\_\_\_

JSA Principal Signature \_\_\_\_\_

Jo-Walter Spear, Jr.

Travis Thorson

District Manager

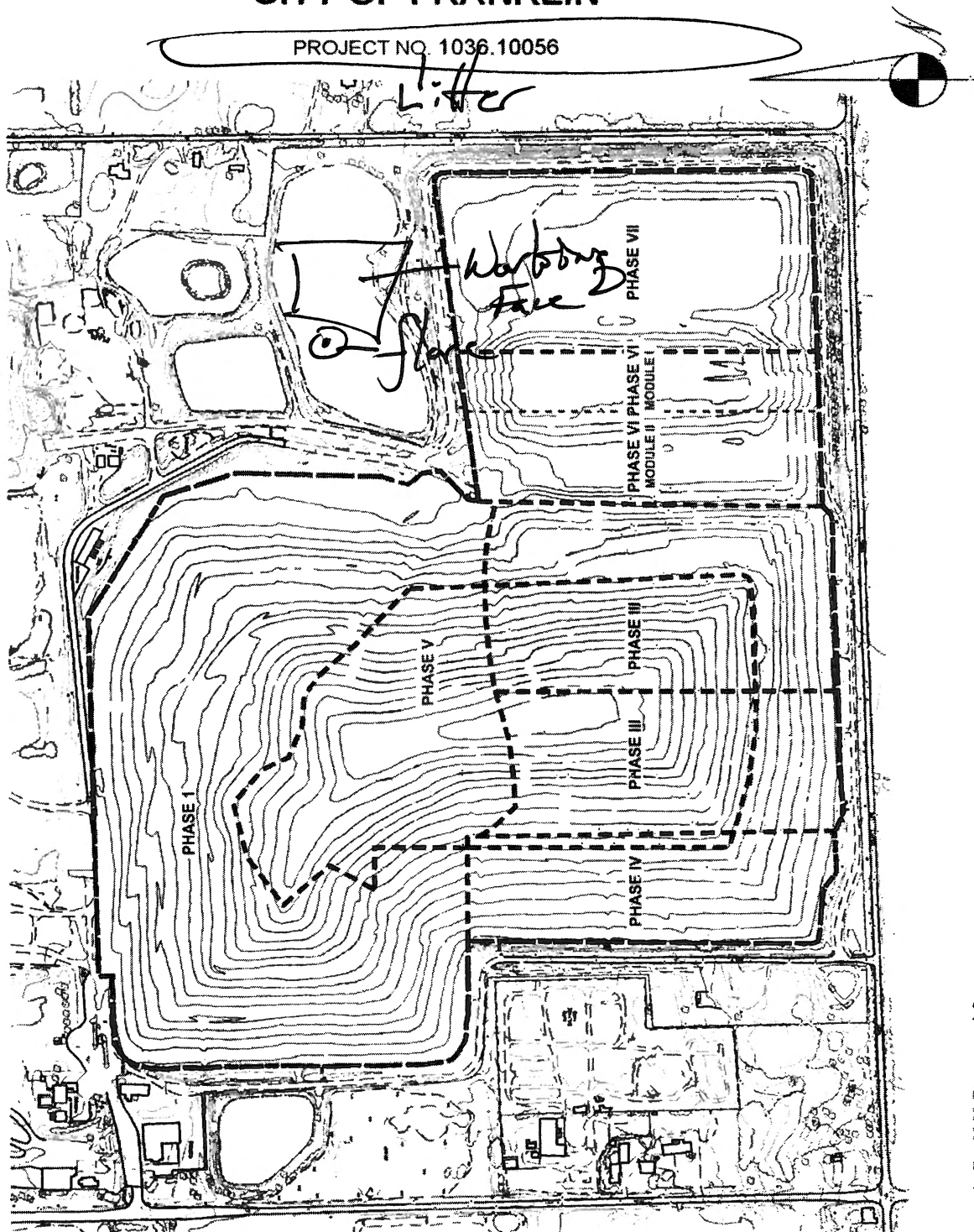
Date: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

# WMWI - METRO LANDFILL LANDFILL AUDIT MAP CITY OF FRANKLIN

PROJECT NO. 1036.10056

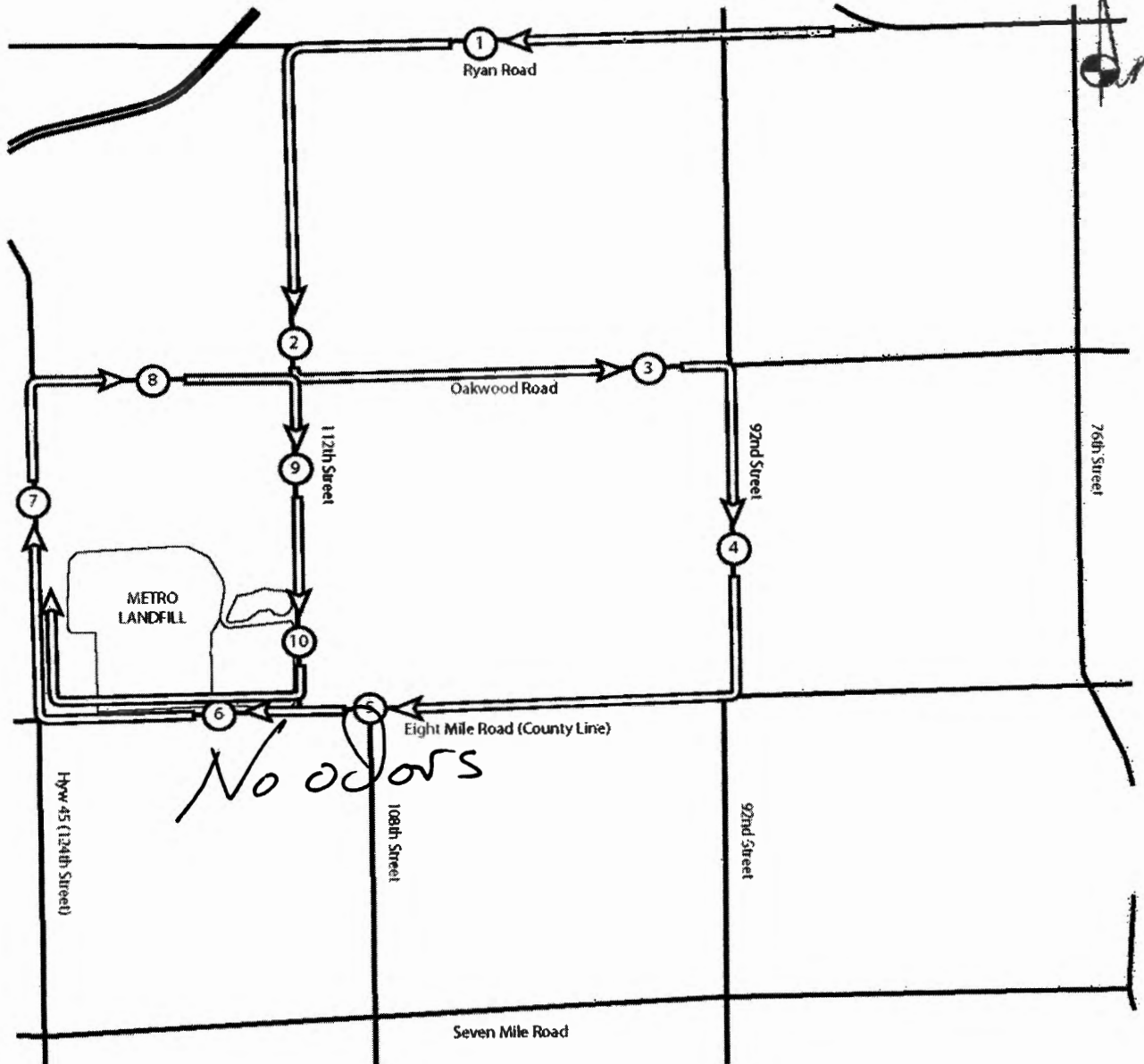


based off a 2003 Phase and Cover map

# WMWI - METRO LANDFILL

## Odor Monitoring Route Map

Off-site odor monitoring route. Numbers denote monitoring stop.





WMWI – METRO LANDFILL  
LANDFILL CONSTRUCTION AUDIT FORM  
CITY OF FRANKLIN  
PROJECT NO. 1036.10056

DATE December 11, 2017

TIME 2:00

MAJOR EQUIPMENT USED IN CONSTRUCTION OPERATIONS

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

A. Work Accomplished Today (Scheduled & Completed):

Excavation continues.  
Frost and frozen soils expected  
in coming days/weeks

B. Excavations / Soil Management:

Soils stock piled  
on site

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: Jo-Walter Spear, Jr.

Management Signature: 

Management Printed Name: Travis Thorson

Management Title: District Manager

Date: 12/11/17

Date: 12/11/17

# WMWI - Metro Landfill, *AUDIT PHOTOS*

PROJECT NO. 1036.10056



Phases 6 & 7, not receiving wastes today





Landfill viewed from West, scaled panoramic



Phases 6 thru 8 viewed from West





North end of Phase 9



Working face viewed from the West, above flare



Eastern side of expansion excavation



Median of expansion excavation





Western side of expansion excavation



Northwest corner of expansion excavation



Access road and West slopes of Phase 8 & 9



Working face viewed from the North



East slope of Phase 8 & 9, well picked of litter





## Memorandum

### **Metro Recycling and Disposal Facility Audit Summary**

**To:** Waste Management Wisconsin, Inc. Metro Recycling and Disposal Facility (METRO) Monitoring Committee - City of Franklin

**FROM:** Faith Spear

**COPIES:** File

**DATE:** 4/10/18

**PROJECT NUMBER:** 1036

---

Attached is the weekly audit report of activities at the Waste Management Metro Recycling and Disposal Facility for the week of December 17, 2017. The Audit was performed at 8:20 AM, on **December 18, 2017** by Jo Spear Jr. in the presence of Daniel Otzelberger, Site Engineer.

**The following bullet items were developed from the Operations Audit:**

- Overcast, occasional snow; low 40°s
- Working face above flare and below manhole in Phase 8
  - Bio-soils and Asbestos delivered to working face at West end of Phase 6
- One compactor and two bulldozers in use on site
- Incoming soil loads used for daily cover
  
- All leachate discharging to MMSD; no recirculation
  
- One flare, one Turbine and 3 Engines in operation
  - Flare in use pending repair of broken engine
  - Engine shutdown for replacement of crankshaft
  - Gas destruction 2,400 cfm
  - One shut down since last audit
  - New wells currently being added to system
  
- Small snow accumulation from multiple flurries since last audit
  - Site frozen
  
- Odors on-site; some off-site
  - Gas odor strongest along Eastern boundary
- No liquid loads
  
- Litter present on, and off-site
  - Litter mostly on Eastern edge of site and along 112<sup>th</sup> Street
  - Two litter pickers working today
- US 45 and 8-Mile Rd clean
  - Site roads rough and pot-holed
  
- Tipping scale camera and 3 equipment operators at work; no spotter

**Attachments:**

Action Items List  
Landfill Operations Audit Form  
Landfill Audit Photos

- Receiving average of 1,300 TPD
  - Waste being tipped is MSW, soils and smaller volume of special wastes
  - No rejected loads
  - Random load inspection 12/1/17
- Residential drop-off open during audit
  - Work area clear, but litter in ditches

**Comments:**

- Off-site litter along 112<sup>th</sup> Street still an issue
- Gas well connections ongoing
- Gas engine expected to be repaired in early 2018
- Site scheduled to be closed on 12/25/17
  - Possible extended hours on 12/30/17

**Construction Audit:**

- Excavation by contractor continues
- No final elevations met
- Materials stockpiled on-site

**Attachments:**

Action Items List  
Landfill Operations Audit Form  
Landfill Audit Photos

# WMWI - METRO LANDFILL

## Action Items Checklist

### City of Franklin Audit

Opened: 12/02/2015

Updated:

Item Number	DATE	Condition Description	Permit or Contract Reference	Reported to	Initial Schedule for Completion	Actual Completion Date	Elapsed Time (Days)	Notes
1	12/02/2015	Offsite litter on ground and in trees West of 112th Street.	Host Agreement & NR 500	Travis Thorson	ASAP	12/24/2015	22	Offsite litter present over two audits
1	03/30/2016	Offsite litter on ground and in trees along 112th Street	Host Agreement & NR 500	Dan Otzelburger	ASAP	06/18/2016	80	Offsite litter present over two audits
1	01/31/2017	Offsite litter on ground and in trees along 112th Street	Host Agreement & NR 500	Travis Thourson	ASAP	06/14/2017	135	Offsite litter present over two audits
2	11/28/2017	Offsite litter on ground and in trees along 112th Street	Host Agreement & NR 500	Dan Otzelburger	ASAP			Offsite litter present over two audits



WMWI - METRO LANDFILL  
LANDFILL OPERATIONS AUDIT FORM  
CITY OF FRANKLIN

PROJECT NO. 1036.10056

DATE December 18, 2017

TIME 11:05

Auditor on site at: ☒ Open ☐ Close ☐

WEATHER Overcast, occasional sun

WIND 10-20  
N S E W

TEMP Maximum 41 °F Minimum 35 °F B.P. 29.89

MAJOR EQUIPMENT USED IN LANDFILL OPERATIONS

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

MAJOR EQUIPMENT BONEYARD

No.	DESCRIPTION	Broken	Maintenance	No.	DESCRIPTION	Broken	Maintenance

A. Working Face Size and Location:

Working face above flare in Phase 8  
and below manhole.

Big Soil & Ashes for working faces  
in Phase 6 at West end



Cover Material:

Tipped soils

B. Leachate Management:

Discharge to MMSP



C. Gas Monitoring and Management: Check appropriate box.

Flares in Operation:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	1
Turbines in	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	1
Engines in	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	3
Shutdowns Since Last Audit:	#	1				
Destructed Volume:	#	2,400				
					cfm	

Comments:

Engine shutdown for crankshaft replacement  
Wells being added to system

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:

Small snow falls since last audit  
Site frozen

E. Odor Control:

Odors Present:

Onsite



Offsite



Notes on odor monitoring page



Comments:

Odors of gas along East boundary

F. Liquid Loads Recieved:

None

G. Litter Control:

Litter Present <b>on</b>	YES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Litter Present <b>off</b>	YES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pickers Active:	YES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	# 2

Comments:

Mostly litter on East edge of site and along 112th Street. East of residential

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 & 80 mile clean

Site roads rough & potholed

I. Inspection of incoming Waste:

Scale Camera	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	1
Equipment Operator:	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	#	3
Spotter:	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	#	
Random Load Inspection Dates:	12/1/17					
Average Tonnage:	1,300 TPD					

Comments:

MSW, small volume spread

J. Rejected Loads:

	Date/Time	Reason for Rejection
1.		None
2.		

L. Residential Drop ☐ Open During Audit ☒

Drop off has litter in ditches

L. Other Comments:

- \* off-site litter still an issue along 112th Street
- \* gas well connections for South 40 ongoing
- \* Engine repair expected in 2018
- \* Site will be closed 12/25 possible late hours for 12/30

Auditor's Signature: \_\_\_\_\_

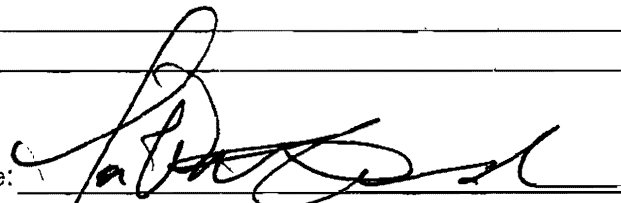
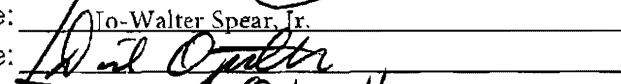
Auditor's Printed Name: \_\_\_\_\_

Management Signature: \_\_\_\_\_

Management Printed Name: \_\_\_\_\_

Management Title: \_\_\_\_\_

JSA Principal Signature \_\_\_\_\_

  
To: Walter Spear, Jr.  
  
Daniel Otzelberger  
Site Engineer

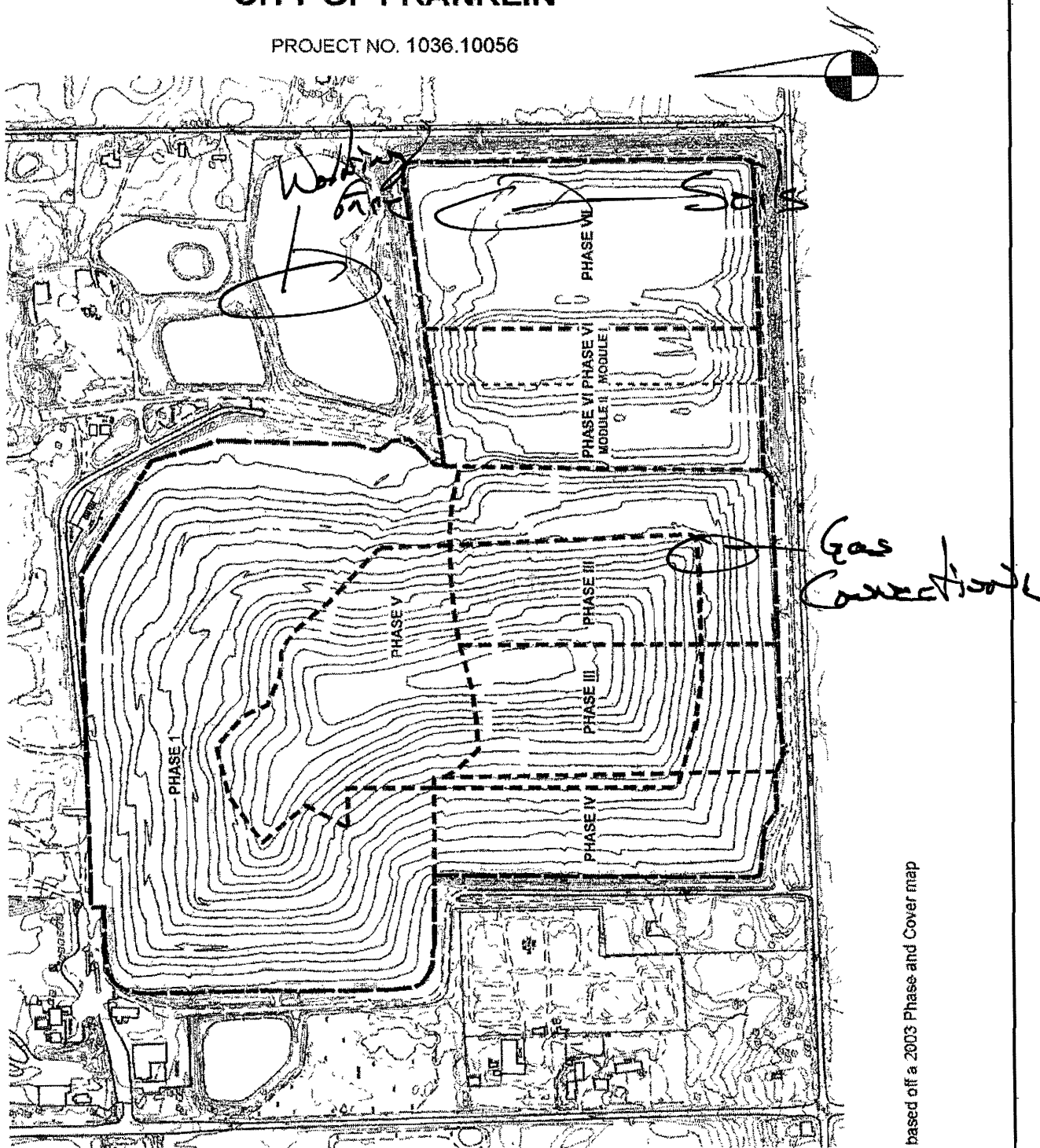
Date: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

# WMWI - METRO LANDFILL LANDFILL AUDIT MAP CITY OF FRANKLIN

PROJECT NO. 1036.10056

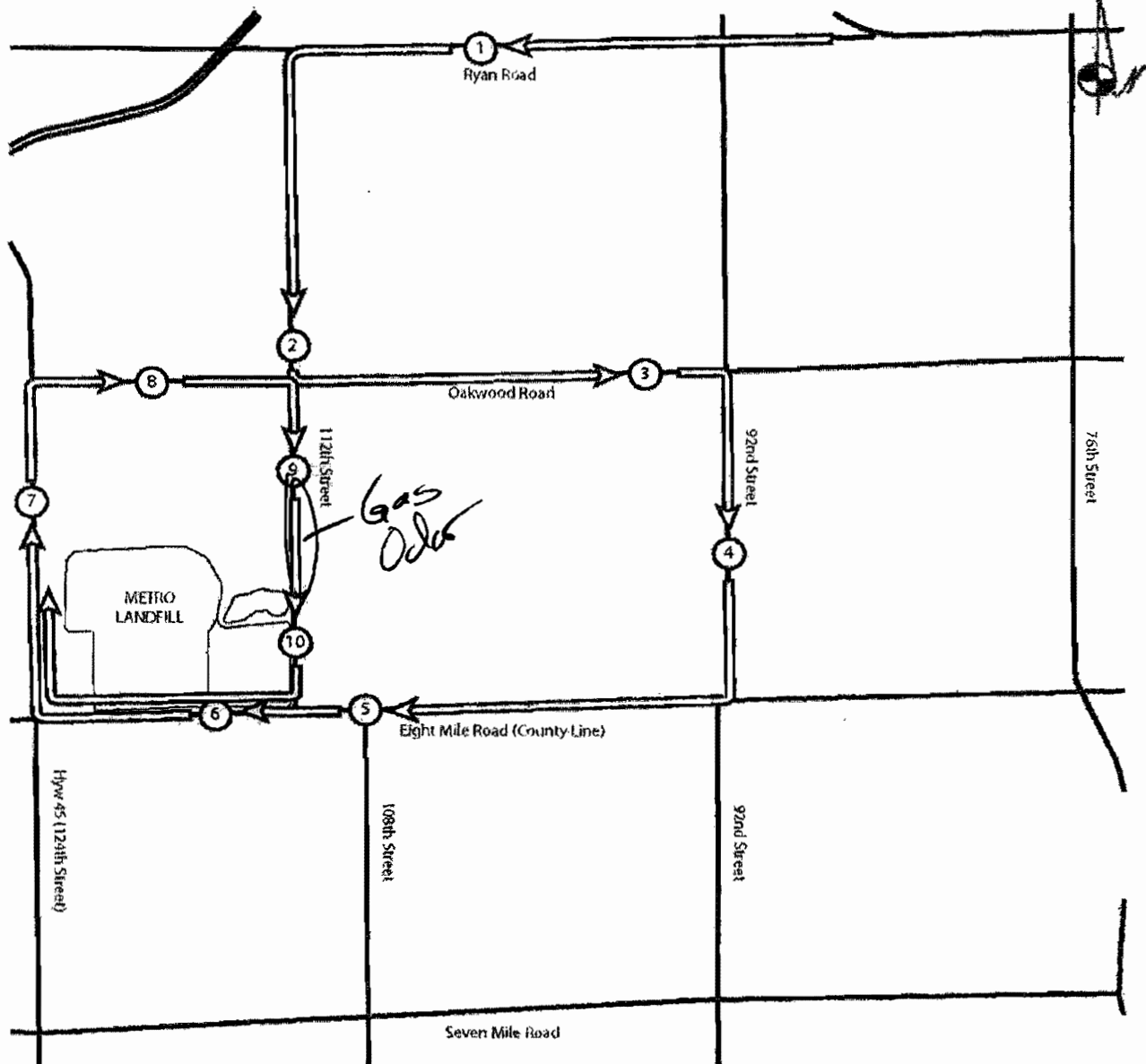


based off a 2003 Phase and Cover map

# WMWI - METRO LANDFILL

## Odor Monitoring Route Map

Off-site odor monitoring route. Numbers denote monitoring stop.





WMWI - METRO LANDFILL  
LANDFILL CONSTRUCTION AUDIT FORM  
CITY OF FRANKLIN  
PROJECT NO. 1036.10056

DATE December 18, 2017

TIME 11:15

MAJOR EQUIPMENT USED IN CONSTRUCTION OPERATIONS

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

A. Work Accomplished Today (Scheduled & Completed):

\* Excavation ongoing, no final elevations met

B. Excavations / Soil Management:

On site stockpile

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:

Jo-Walter Spear, Jr.

Management Signature:

Management Printed Name:

Management Title:

*[Handwritten Signature]*  
*[Handwritten Signature]*  
Daniel Oteclberger  
Site Engineer

Date:

12/18/17

Date:

12/18/17

# WMWI - Metro Landfill, ***AUDIT PHOTOS***

PROJECT NO. 1036.10056



Interior slopes of Phases 6 & 7





Phases 7 & 8 viewed from the West, working face in middle



Phases 7 thru 9 viewed from West



Working face, bring lift elevations up between Phases 8 and 7



Eastern reach of expansion excavation





Overview of expansion excavation, viewed from South



Western extent of expansion excavation





Tipping in working face, viewed from the North



Flare in operation during engine repairs