Michigan Department of Environmental Quality
Waste Management and Radiological Protection Division
Part 115 - Landfill Evaluation Report

Name of Facility	Facility Number	License # and Expiration Date
Arbor Hills	391215	9371 3/13/2019

Facility Address	Facility Contact : Name -- Phone Number
10690 Six Mile Rd, Northville, MI 48168	Anthony Testa (248) 412-0702

LEGEND: (C) = Compliance (V) = Violation (NE) = Not Evaluated (*) = See Note (--) = Does not Apply

General Operations		
C	A.	Miscellaneous Operational Issues
	B.	Blowing Debris, Dust, Odor & Vector Control
C	C.	Gas Monitoring & Migration
Yes	D.	Are there any exceedances of the LEL?

Prohibited Waste Restrictions		
C	E.	Hazardous Waste / Liquids / Yard Waste / Other Materials Prohibited for Disposal
C	F.	Random / Suspicious Load Records
C	G.	Load Inspection During Evaluation
3 # of Loads Inspected 150 yds. Volume of Loads		

Permit and License Compliance		
C	H.	Operations Conform to Permit, License, Order Conditions & Construction Certifications
C	I.	Operations Conform to Approved Hydrogeo, Monitoring, Engineering and Operational Plans

Leachate / Stormwater Mangement		
C	J.	Surface Water Discharge
C	K.	Protection of Surface Waters
C	L.	Leachate Control / Mangement
C	M.	Leachate Volume / Head Records
C	N.	Secondary Volume / ARF / RFR Records

Daily / Interim / Final Cover		
C	O.	Adequacy of Daily Cover
Yes	P.	Are Alternate Daily Cover Materials Used?
Yes	Q.	Is the Use in Compliance with Approved Plan?
C	R.	Period and Adequacy of Interim Cover
Yes	S.	Are all lifts exposed for 90 days covered with interim cover?
C	T.	Completion of Area / Final Cover

REMARKS:

Inspected public drop off and it appeared clean and well kept.
*There was a leachate collection sump overflow due to pump failure on the west landfill (problem currently being addressed)
Truck inspections:
(1) Demolition waste/wood approx. 50 yds
(2) Carboard approx. 20 yds
(3) MSW- general refuse from large tipper

Received a odor complaint during inspection at 1:17pm at 8275 Chubb Rd, arrived at 1:26 pm to addrss. Reported as a level 4 peutrid smell, but when arrived, no odor was detected. Wood burning near by and dumpster rental behind home. Winds were coming from the south, and location was north of the landfill.

Cell 4 sump: Primary - 326.0 Secondary - 18.0
Possible transducer issue, need to evaluate pump capacity.

Active face approx. 0.5 ac, whole cell approx. 10 ac

Person Interviewed	Date of Inspection	Time of Inspection
Anthony Testa	12/20/2018	1:30 pm

Inspected By	Representing
Alex Whitlow, Aubrey Proctor, Margie Ring	DEQ-WMRPD

DEFINITIONS

A. The landfill shall control public access and shall supervise the unloading of all solid waste. [Rule 315(3&4), 427, 430(1)] On-site roads shall be constructed and operated to allow unrestricted traffic flow and prevent fugitive dust nuisance. [Rule 315(5&10), 426(5)] The burning of solid waste is prohibited (certain exceptions). The burning is to be in designated areas only and with the permission of the Solid Waste Control Agency. Suitable measures shall be available to extinguish accidental fires. [Rule 315(9), 434(2&3)] The facility shall maintain adequate equipment to operate the landfill. [Rule 315(1), 426(1)] Landfill operation shall not result in excessive or objectionable noise. [Rule 315(14), 431] The facility may separate recyclable materials. The operation must be consistent with the requirements for processing plants. The salvaging must not interfere with waste disposal. Scavenging is prohibited. [Rule 315(11), 428] (For Type III) Facilities that do not contain liners in compliance with Rule 307 shall test representative samples of waste on an annual basis and submit the results of those tests to the director. [Rule 311]

B. The facility shall take measures to control dust, blowing litter, odors, and disease vectors. The entire area shall be kept clean and orderly. [Rule 315(5&12), 426(3), 429(9)]

C. The facility shall ensure that the concentration of methane gas is not > 25% of the Lower Explosive Limit (LEL) in structures and the leachate collection system. The concentration of methane shall not be more that the LEL at the property boundaries and gases shall not create a nuisance or a violation of Part 55. The facility must implement a routine methane monitoring program. [Rule 315(5) 433(1-3)]

D. In the facility operating record are monitoring results indicative of the compliance since the last inspection date. [YES / NO]

E. The facility shall supervise the unloading of all waste and not accept regulated hazardous waste, PCB's, bulk liquid waste, liquid waste containers, sewage, materials that would adversely effect the liner, asbestos waste (unless approved), empty drums, lead acid batteries, or more than a deminimus quantity of whole tires, beverage containers or yard wastes as specified in Part 115. [Rule 315(4&8), 430(1&2)]

F. In the facility operating record, are records of random/suspicious load inspections available since the last inspection? Do those records demonstrate compliance?

G. During the inspection document the number of loads inspected, quantity of waste inspected, and compliance status.

H. Landfill operations must conform to conditions in the construction permit and operating license and comply with final orders and compliance plans contained in final orders.

I. The landfill must be operated in accordance with previously approved hydrogeologic, engineering, and operational plans. [Rule 904, 905, 906, 907, 910, 911]

J. The active work area must be sloped, graded, and provided with drainage facilities to prevent the collection of standing water. A surface water monitoring plan must be implemented for any water that may receive runoff from the active face. [Rule 315(13), 426(6), 436(2)]

K. The facility shall not discharge pollutants into waters of the United States in violation of Part 31 or NPDES permit. [Rule 306(2), 436(1)]

L. The facility shall remove leachate to ensure that the leachate head is not more than 1' on the liner (excluding the collection sump), remove liquids from the secondary collection system to minimize head on the liner, and inspect the system to assure proper operation. The leachate must be disposed of in compliance with Part 31. [Rule 308, 315(16&17), 432]

M. In the facility operating record, are leachate volume available since the last inspection. Do those records demonstrate compliance?

N. In the facility operating record, are secondary collection volumes and flow rates available since the last inspection. Do those records demonstrate compliance?

O. At least 6" of earthen daily cover must be placed at the end of each operating day. If alternative daily cover is used, it must be approved by the director. If the daily cover is low permeability soil, it must be scraped back daily. If daily cover does not meet the performance standards, it must be modified. [Rule 316(1), 429(1-5, 8)]

P. Are alternate daily cover materials (ADCM's) utilized at the facility? [YES / NO]

Q. Is the use of the ADCM's in compliance with the approved plan? [YES / NO]

R. Any lift that will be exposed for 3 or more months must have 1' of compacted cover that can include the 6" daily cover. Runoff must be handled as leachate unless the area has received approved interim cover. [Rule 316(2), 429(6&7)]

S. Are all lifts that will not receive addition waste within 90 days covered with at least 1' of soil? [YES / NO]

T. The landfill must be brought up to final grade as soon as possible. The final cover must be repaired to correct the effects of settling subsidence, erosion, and other events. The slopes of the final cover must be sufficient to prevent the ponding of water and excess erosion. The final cover must be stabilized with appropriate vegetation. [Rule 317, 448, 449(1), 425(7-9)]