Michigan Department of Environmental Quality
Waste Management and Radiological Protection Division
PART 115 - TYPE II LANDFILL OPERATING RECORD
Evaluation Report

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

C	A.	Location Restriction Demonstrations
C	B.	Prohibited Waste Procedures
C	C.	Gas Monitoring Results
C	D.	Leachate, SCS Liquid and/or Gas Condensate Reintroduction Documentation
C	E.	LCS Monitoring Records
C	F.	SCS Monitoring Records
C	G.	Groundwater Monitoring Results
C	H.	Quantity of Waste Received
C	I.	Documentation of Placement of Interim Cover
C	J.	Closure Plans
C	K.	Post Closure Care Plans
C	L.	Groundwater Monitoring System Documentation
C	M.	Groundwater Sampling and Analysis Plan Documentation
C	N.	Statistical Procedures for Groundwater Monitoring
C	O.	Specific Procedures for Hydraulic Conductivity Testing for Cohesive Soils

REMARKS:

REQUIRED BY

A. 299.4438(1)(a)	**B**. 299.4438(1)(b)	**C**. 299.4438(1)(c)
D. 299.4438(1)(d)	**E**. 299.4438(1)(g) & 299.4432(2)	**F**. 299.4438(1)(g) & 299.4432(4)
G. 299.4438(1)(e)	**H**. 299.4438(1)(f)	**I**. 299.4438(1)(g) & 299.4429(7)
J. 299.4438(1)(g)	**K**. 299.4438(1)(g)	**L**. 299.4438(1)(e)
M. 299.4438(1)(e)	**N**. 299.4438(1)(e)	**O**. 299.4438(1)(g) & 299.4920(2)

Name of Facility Arbor Hills	**Date of Inspection** 12/20/2018	**Time of Inspection** 1:30pm
Inspected By Alex Whitlow, Aubrey Proctor, Margie Ring	**Representing** **MDEQ - WMRPD**	

OPERATING RECORD REQUIREMENTS

A.	**Location Restriction Demonstrations for:**
☒	Groundwater Isolation
☒	Horizontal Isolation
☒	Sensitive Areas
☒	Airports
☒	Floodplains
☒	Wetlands
☒	Fault Areas and Seismic Impact Zones
☒	Unstable Areas
☒	Vertical Expansion Exemption
B.	**Prohibited Waste Procedures**
☒	Random and Suspicious Load Inspection Records
☒	Training Procedures for Employees
☒	Notification Procedures for Hazardous Waste Discovery
C.	**Gas Monitoring Information**
☒	Gas Monitoring Results
☒	Notice of Exceedance
☒	Remediation Plan (if Gas Levels Exceeded.)
D.	**Leachate, Secondary Collection System (SCS) Liquid and/or Gas Condensate Reintroduction Design Documentation**
☒	(As required in Operating License)
E.	**Leachate Collection System (LCS) Monitoring Records**
☒	Weekly Leachate Depths
☒	Monthly Volume Pumped from each Unit
	Leachate Quality
☐	i. Primary Inorganic Indicators (Rule 450)
☐	ii. Primary Volatile Organics (Rule 453)
☐	iii. Other Constituents (Rules 451 & 452)
☐	LCS Pipe Cleanout and Inspection Data
F.	**SCS Monitoring Records**
☒	Weekly Liquid Volumes Removed from each Unit
☒	Average Daily Flow Rate in gal/acre/day [Calculated Weekly, Monthly, and Quarterly]
	SCS Liquid Quality
☐	i. Primary Inorganic Indicators (Rule 450)
☐	ii. Primary Volatile Organics (Rule 453)
☐	iii. Other Constituents (Rules 451 & 452)
☐	SCS Pipe Cleanout and Inspection Data

G.	**Ground Water Monitoring Results**
	Downgradient & Background Groundwater Quality
☐	i. Primary Indicators + pH (Rule 450)
☐	ii. Heavy Metals (Rule 452)
☐	iii. Primary Volatile Organics (Rule 453)
☐	iv. Secondary Organics (Rule 454)
☐	Notice of Statistically Significant Change from Background
☐	Assessment Monitoring Plan
☐	i. Notice of Constituent Levels above Groundwater Protection Standards
☐	ii. Response Action Plan
☐	iii. Assessment of Corrective Measures
☐	iv. Remedial Action Plan
☐	v. Notice of Implementation of Remedial Action Plan
H.	**Records of the Quantity of Waste Received**
☒	[For Perpetual Care Fund]
I.	**Documentation for the Placement of Interim Cover**
☒	[Must be 1' Soil including Daily Cover or FML]
J.	**Closure Plans**
☒	An Engineering Plan in Compliance with Rule 446 [Until the Unit is Officially Certified Closed]
☒	Notice of the Intent to Close a Unit
☒	Approved Closure Certification
K.	**Post Closure Care Plan**
☒	An Engineering Plan in Compliance with Rule 447
☒	Approved Post Closure Certification
L.	**Groundwater Monitoring System Documentation**
☒	Design Documentation
☒	Installation Documentation
☒	Development Documentation
☒	Decommission Documentation
☒	Approval of Groundwater Monitoring System
M.	**Groundwater Sampling and Analysis Plan Documentation**
☒	Sampling and Analysis Plan
N.	**Statistical Procedures for Groundwater Monitoring**
☒	The Statistical Method for Groundwater Analysis
☐	~~Justification if the Test is Different from Rule 908~~
O.	**Specific Procedures for Hydraulic Conductivity Testing**
☐	~~The Specific Procedures for Testing Cohesive Soils~~