



MISSOURI DEPARTMENT OF NATURAL RESOURCES
 SOLID WASTE MANAGEMENT PROGRAM
ACTIVE SANITARY LANDFILL INSPECTION CHECKLIST

REGIONAL OFFICE

I. GENERAL INFORMATION					
DATE OF INSPECTION	DAYS AND HOURS OPEN	TIME OF ARRIVAL/DEPARTURE	COUNTY	PERMIT NUMBER	
FACILITY NAME/ADDRESS					
MAILING ADDRESS			CITY	STATE ZIP CODE	
LANDFILL REPRESENTATIVE PRESENT		PHONE NUMBER WITH AREA CODE	TEMPERATURE/WEATHER		
II. INSPECTION CHECKLIST—Check all Sections—S=Satisfactory—U=Unsatisfactory—N=Not Applicable/Inspected/Observed					
	S	U	N	10 CSR 80-2.020	PERMIT ISSUANCE, CONSTRUCTION PERMITS, OPERATING PERMITS, EMERGENCY PERMITS, AND EXEMPTIONS
1.	<input type="checkbox"/>	<input type="checkbox"/>		(1)(F)	For areas observed; site constructed and operated per permit Active Cells Phase
2.	<input type="checkbox"/>	<input type="checkbox"/>		(2)(B)1	Site received operating permit prior to accepting waste
3.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(4)(A)	Permit modification approved prior to implementation
10 CSR 80-2.060 CERTIFIED SOLID WASTE TECHNICIAN					
4.	<input type="checkbox"/>	<input type="checkbox"/>		(2)(A)	Controlling certified solid waste technician NAME:
10 CSR 80-3.010 DESIGN AND OPERATION:					
SOLID WASTE ACCEPTED					
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(2)(C)1	Bulky solids crushed on solid ground prior to incorporation into the working face
6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(2)(C)3	Special waste disposal as approved in permit and in accordance with approved plans
SOLID WASTE EXCLUDED					
7.	<input type="checkbox"/>	<input type="checkbox"/>		(3)(B)2C	Personnel trained to recognize excluded waste
8.	<input type="checkbox"/>	<input type="checkbox"/>		(3)(C)1	Sign listing excluded wastes is prominently displayed near entrance
9.	<input type="checkbox"/>	<input type="checkbox"/>		(3)(C)2	Screening of excluded wastes implemented and removed per the approved plan
SITE SELECTION					
10.	<input type="checkbox"/>	<input type="checkbox"/>		(4)(C)1	All-weather roads allow access to the landfill at all times
DESIGN					
11.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(5)(B)1	100' buffer maintained between the outer edge of the landfill liner and the property boundary
12.	<input type="checkbox"/>	<input type="checkbox"/>		(5)(C)1	For areas observed; construction/operation conducted as approved
13.	<input type="checkbox"/>	<input type="checkbox"/>		(5)(C)2	Operating manual available to employees for reference and upon department request
SURVEY CONTROL					
14.	<input type="checkbox"/>	<input type="checkbox"/>		(7)(C)	Boundary markers, benchmarks, horizontal control stations and construction stakes observed were clearly marked and identified, and replaced or reestablished as necessary to ensure the operations proceed in accordance with approved plans
WATER QUALITY					
15.	<input type="checkbox"/>	<input type="checkbox"/>		(8)(B)1F	MO Clean Water Law permits and approvals for runoff obtained
16.	<input type="checkbox"/>	<input type="checkbox"/>		(8)(C)1	Grading promotes rapid runoff without excessive erosion and re-grading done to avoid ponding of precipitation and to maintain cover integrity
17.	<input type="checkbox"/>	<input type="checkbox"/>		(8)(C)1	Surface water courses and runoff diverted from working face by ditches, berms, and proper grading
18.	<input type="checkbox"/>	<input type="checkbox"/>		(8)(C)2	Contact between water and solid waste minimized by daily operational practices and water that contacts waste handled as leachate
LEACHATE COLLECTION SYSTEM					
19.	<input type="checkbox"/>	<input type="checkbox"/>		(9)(C)1	In portions observed, system operated per the permit and approved design and plans
20.	<input type="checkbox"/>	<input type="checkbox"/>		(9)(C)2	Leachate not allowed to discharge off-site or into waters of the state, except in accordance with MO Clean Water Law and rules
LINER SYSTEM					
21.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(10)(B)2	Liner protected from desiccation and freeze/thaw per approved design
22.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(10)(C)5	Liner constructed per approved design specifications
GROUNDWATER MONITORING					
23.	<input type="checkbox"/>	<input type="checkbox"/>		(11)(B)4	Monitoring wells and piezometers installed, protected, maintained, identified and decommissioned in accordance with 10 CSR 23-4. Wells inspected:
24.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(11)(C)1C	Monitoring wells operational prior to acceptance of waste
AIR QUALITY					
25.	<input type="checkbox"/>	<input type="checkbox"/>		(13)(C)	Burning of solid waste prohibited except with permit
GAS CONTROL					
26.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(14)(C)1	Decomposition gases not allowed to migrate laterally from the landfill
27.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(14)(C)2A	Methane not allowed to concentrate in buildings on-site above 25% LEL (1.25% by volume)
28.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(14)(C)2B	Methane not allowed to concentrate in soil at property boundary above 50% LEL (2.5% by volume)
29.	<input type="checkbox"/>	<input type="checkbox"/>		(14)(C)4	Methane monitoring program implemented

VECTORS				
30.	<input type="checkbox"/>	<input type="checkbox"/>	(15)(C) Vectors controlled and control program implemented when necessary	
AESTHETICS				
31.	<input type="checkbox"/>	<input type="checkbox"/>	(16)(C)1 Litter controlled and fences or other devices used in appropriate areas to control blowing litter	
32.	<input type="checkbox"/>	<input type="checkbox"/>	(16)(C)1 Litter incorporated into the landfill daily or containerized for disposal by the next operating day	
33.	<input type="checkbox"/>	<input type="checkbox"/>	(16)(C)2 Wastes easily blown are covered to prevent becoming airborne and scattered	
34.	<input type="checkbox"/>	<input type="checkbox"/>	(16)(C)3 On-site vegetation cleared only as necessary to maintain natural wind breaks	
35.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(16)(C)4 Salvaged materials removed daily or stored in aesthetically acceptable manner
COVER				
36.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(17)(C)1 Daily cover accessible daily and at least six inches of compacted daily applied by the end of each operating day
37.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(17)(C)1 Alternate daily cover approved, implemented as approved, controlling vectors, fires, odors, blowing litter, and scavenging, and not presenting a threat to human health and the environment
38.	<input type="checkbox"/>	<input type="checkbox"/>		(17)(C)2 Cover increased to at least 12 inches of compacted cover on areas which are idle for more than 60 days
39.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(17)(C)3 No active, intermediate, or final slopes exceeds 33 $\frac{1}{3}$ % (Note observation method in comments)
40.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(17)(C)4A Final cover applied – areas without liner
41.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(17)(C)4B Final cover applied – areas with liner
42.	<input type="checkbox"/>	<input type="checkbox"/>		(17)(C)7 Surface grades and side slopes maintained to promote runoff without excessive erosion
43.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(17)(C)8 Vegetation established within 180 days of application of approved cover
44.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(17)(C)8 Vegetation shall be established and maintained to minimize erosion and surface water infiltration
45.	<input type="checkbox"/>	<input type="checkbox"/>		(17)(C)9 Re-grading and recovering performed as necessary to maintain cover slope and integrity
46.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(17)(C)10 Borrow area reclaimed per approved plans
COMPACTION				
47.	<input type="checkbox"/>	<input type="checkbox"/>		(18)(C)1 Adequate waste handling equipment available and operated as necessary
48.	<input type="checkbox"/>	<input type="checkbox"/>		(18)(C)1A Waste spread and compacted in layers no greater than two feet thick and confined to smallest practicable area
49.	<input type="checkbox"/>	<input type="checkbox"/>		(18)(C)1B Waste compacted to smallest practicable volume
50.	<input type="checkbox"/>	<input type="checkbox"/>		(18)(C)1C Cover placed, spread and compacted as much as practicable
51.	<input type="checkbox"/>	<input type="checkbox"/>		(18)(C)3 Solid waste not disposed in water where water prohibits proper spreading and compaction or where a mosquito breeding problem would be created
SAFETY				
52.	<input type="checkbox"/>	<input type="checkbox"/>		(19)(A) For areas observed, landfill is constructed and operated in a manner to protect the health and safety of personnel and others associated with and affected by the operation
53.	<input type="checkbox"/>	<input type="checkbox"/>		(19)(C)1 Fire extinguishers provided on all waste handling equipment
54.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(19)(C)2 Any fires at site or in delivered waste extinguished immediately upon discovery
55.	<input type="checkbox"/>	<input type="checkbox"/>		(19)(C)3 Communications equipment available for emergencies
56.	<input type="checkbox"/>	<input type="checkbox"/>		(19)(C)4 Scavenging prohibited
57.	<input type="checkbox"/>	<input type="checkbox"/>		(19)(C)5 Site access controlled by established roadways only and only when operating personnel are present
58.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(18)(C)5 Customer drop-off areas maintained and litter free
59.	<input type="checkbox"/>	<input type="checkbox"/>		(19)(C)6 Traffic signs and markers provided to direct traffic to working face or maintain efficient operations
60.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(19)(C)7 Dust control provisions utilized for safety purposes and to prevent a nuisance to the surrounding area
RECORDS				
61.	<input type="checkbox"/>	<input type="checkbox"/>		(20)(C)1 Last five years of records maintained at the landfill office or as alternately approved
62.	<input type="checkbox"/>	<input type="checkbox"/>		(20)(C)1A Major operational problems, complaints or difficulties
63.	<input type="checkbox"/>	<input type="checkbox"/>		(20)(C)1B Gas monitoring records Qtr:
64.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(20)(C)1C Groundwater monitoring records Qtr:
65.	<input type="checkbox"/>	<input type="checkbox"/>		(20)(C)1D&E Vector, dust, and litter control records
66.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(20)(C)1F Quantity of waste handled and copies of submitted biennial air space estimates maintained on-site
67.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(20)(C)1G Description, source, and volume of special wastes received
68.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(20)(C)1H Approved design documentation/records of leachate or gas condensate recirculation
69.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(20)(C)1I Approved closure/post-closure plan
70.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(20)(C)1J FAI documentation, month/year approved:
71.	<input type="checkbox"/>	<input type="checkbox"/>		(20)(C)1K Solid Waste Technician Certification records
72.	<input type="checkbox"/>	<input type="checkbox"/>		(20)(C)1K Solid waste screening training and inspection records
73.	<input type="checkbox"/>	<input type="checkbox"/>		(20)(C)1L Tonnage Fee Reports submitted as required
III. REMARKS – All U (Unsatisfactory) or N (Not Applicable/Inspected/Observed) require a written explanation.				
SIGNATURE OF INSPECTOR			DATE	
				

		<p>Photo: #1 Date Taken: By: Description:</p>
		<p>Photo: #2 Date Taken: By: Description:</p>
		<p>Photo: #3 Date Taken: By: Description:</p>

		<p>Photo: #4 Date Taken: By: Description:</p>
		<p>Photo: #5 Date Taken: By: Description:</p>