



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

REGIONAL OFFICE

I. GENERAL INFORMATION					
DATE OF INSPECTION	DATE CEASED ACCEPTING WASTE	TIME OF ARRIVAL/DEPARTURE /	COUNTY	PERMIT NUMBER	
FACILITY NAME		FACILITY ADDRESS			
MAILING ADDRESS			CITY	STATE / ZIP CODE	
LANDFILL REPRESENTATIVE PRESENT		TELEPHONE NUMBER WITH AREA CODE	TEMPERATURE/WEATHER		
II. INSPECTION CHECKLIST—Check All Sections S=Satisfactory U=Unsatisfactory Or 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)	Site constructed and operated per permit 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"/>		(4)(A)	Permit modification approved prior to implementation
				10 CSR 80-11.010	DESIGN AND OPERATION
SOLID WASTE ACCEPTED					
4.	<input type="checkbox"/>	<input type="checkbox"/>		(2)	Only the types of waste in the approved plans accepted for disposal
5.	<input type="checkbox"/>	<input type="checkbox"/>		(2)(C)2	The disposal of waste shall be conducted in accordance with approved design and operating plans
SOLID WASTE EXCLUDED AND SPECIAL WASTE APPROVALS					
6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(3)(C)1	Screening and removal of excluded wastes implemented per the approved plan
SITE SELECTION					
7.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(4)(C)1	Landfill accessible to vehicles which it is designed to serve
8.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(4)(C)2	Temporary storage of waste not more than 60 days and not cause uncontrolled runoff and erosion
DESIGN					
9.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(5)(A)1	Minimum 100 foot buffer zone maintained between landfill operations and any property line or right of way(s) of adjoining roadways
10.	<input type="checkbox"/>	<input type="checkbox"/>		(5)(B)1	Construction and operation of the landfill in accordance with approved plans and specifications
11.	<input type="checkbox"/>	<input type="checkbox"/>		(5)(B)2	Operating manual shall be available to employees for reference and upon department request
SURVEY CONTROL					
12.	<input type="checkbox"/>	<input type="checkbox"/>		(7)(C)1	All boundary markers, benchmarks, horizontal control stations and construction stakes placed and clearly marked and identified
13.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(7)(C)2	All missing or displaced benchmarks replaced or reestablished
WATER QUALITY					
14.	<input type="checkbox"/>	<input type="checkbox"/>		(8)(B)1F	Missouri Clean Water Law permits and approvals for surface water control obtained
15.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(8)(C)1	Surface water courses and runoff diverted from the working face
16.	<input type="checkbox"/>	<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"/>	<input type="checkbox"/>	(8)(C)2	Contact between water and solid waste minimized by daily operational practices
LEACHATE COLLECTION SYSTEM					
18.	<input type="checkbox"/>	<input type="checkbox"/>		(9)(C)1	Portions of leachate collection system observed were installed and operated per permit
19.	<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 Missouri Clean Water Law and rules
20.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	(10)(B)1	Liner protected from desiccation and freeze/thaw
LINER SYSTEM					
21.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(10)(C)5	Liner constructed per approved design specifications
GROUNDWATER MONITORING					
22.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(11)(C)1C	Groundwater monitoring wells operational prior to acceptance of waste
23.	<input type="checkbox"/>	<input type="checkbox"/>		(11)(C)1D	Monitoring wells and piezometers installed, protected, maintained, identified and decommissioned in accordance with 10 CSR 23-4. Wells inspected:
AIR QUALITY					
24.	<input type="checkbox"/>	<input type="checkbox"/>		(12)(C)	Burning of solid waste prohibited except with permit
AESTHETICS					
25.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(13)(C)1	Wastes easily blown are covered to prevent becoming airborne and scattered
26.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(13)(C)2	On-site vegetation cleared only as necessary to improve appearance and operation of the landfill
27.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(13)(C)3	Beneficial reuse materials mined from landfill stored not more than 60 days before reuse
28.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(13)(C)3	Materials for reuse stored to prevent infiltration, surface water runoff and erosion of the material
COVER					
29.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(14)(B)2	Cover minimizes infiltration of precipitation, airborne waste and provides a pleasing appearance
30.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(14)(C)1	No less than 12 inches of compacted soil applied on filled areas idle for more than 60 days and on all final side slopes at the end of each filling sequence

31.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(14)(C)2	Active, Intermediate and final slopes not to exceed 33.3% (Note observation method (visual/measurement taken) in comments)
32.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(14)(C)3	Final cover is applied as soon as each phase is completed
33.	<input type="checkbox"/>	<input type="checkbox"/>		(14)(C)6	Surface grades and side slopes maintained to promote runoff without excessive erosion
34.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(14)(C)7	Vegetation established within 180 days of application of final cover
35.	<input type="checkbox"/>	<input type="checkbox"/>		(14)(C)8	Re-grading and recovering performed as necessary to maintain cover slope and integrity
36.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(14)(C)9	Borrow areas reclaimed per approved plans
COMPACTION					
37.	<input type="checkbox"/>	<input type="checkbox"/>		(15)(C)1	Adequate waste handling equipment available and operated as necessary
38.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(15)(C)1A	Waste compacted in layers no more than two feet and confined to smallest area practicable
39.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(15)(C)1B	Waste compacted to smallest practicable volume
40.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(15)(C)1C	Final cover compacted as much as practicable
41.	<input type="checkbox"/>	<input type="checkbox"/>		(15)(C)2	Preventive maintenance performed on equipment
42.	<input type="checkbox"/>	<input type="checkbox"/>		(15)(C)3	Waste not disposed of in water
SAFETY					
43.	<input type="checkbox"/>	<input type="checkbox"/>		(16)(C)1	Communications equipment available for emergencies
44.	<input type="checkbox"/>	<input type="checkbox"/>		(16)(C)2	Site access controlled by established roadways and limited to hours of operation
45.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(16)(C)3	Traffic signs and markers provided to direct traffic to working face
46.	<input type="checkbox"/>	<input type="checkbox"/>		(16)(C)4	Dust control provisions utilized
RECORDS					
47.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(17)(C)1	Records maintained at the landfill office and available for inspection for five years
48.	<input type="checkbox"/>	<input type="checkbox"/>		(17)(C)1A	Major operational problems, complaints or difficulties
49.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(17)(C)1B	Site selection records
50.	<input type="checkbox"/>	<input type="checkbox"/>		(17)(C)1C	Dust and litter control records
51.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(17)(C)1D	Quantity of waste received and remaining airspace records
52.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(17)(C)1E	Closure/post closure plans
53.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(17)(C)1F	FAI Documentation; month/year approved
54.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(17)(C)1G	Inspection records and training procedures
55.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(17)(C)1H	Corrective actions records
56.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(17)(C)1I	Report of origin of waste received
III. REMARKS – All Blocks Marked U (Unsatisfactory) or N (Not Applicable/Inspected/Observed) require a written explanation					
SIGNATURE OF INSPECTOR					DATE
					Photo: #1 Date Taken: By: Description:

	Photo: #2 Date Taken: By: Description:
	Photo: #3 Date Taken: By: Description: