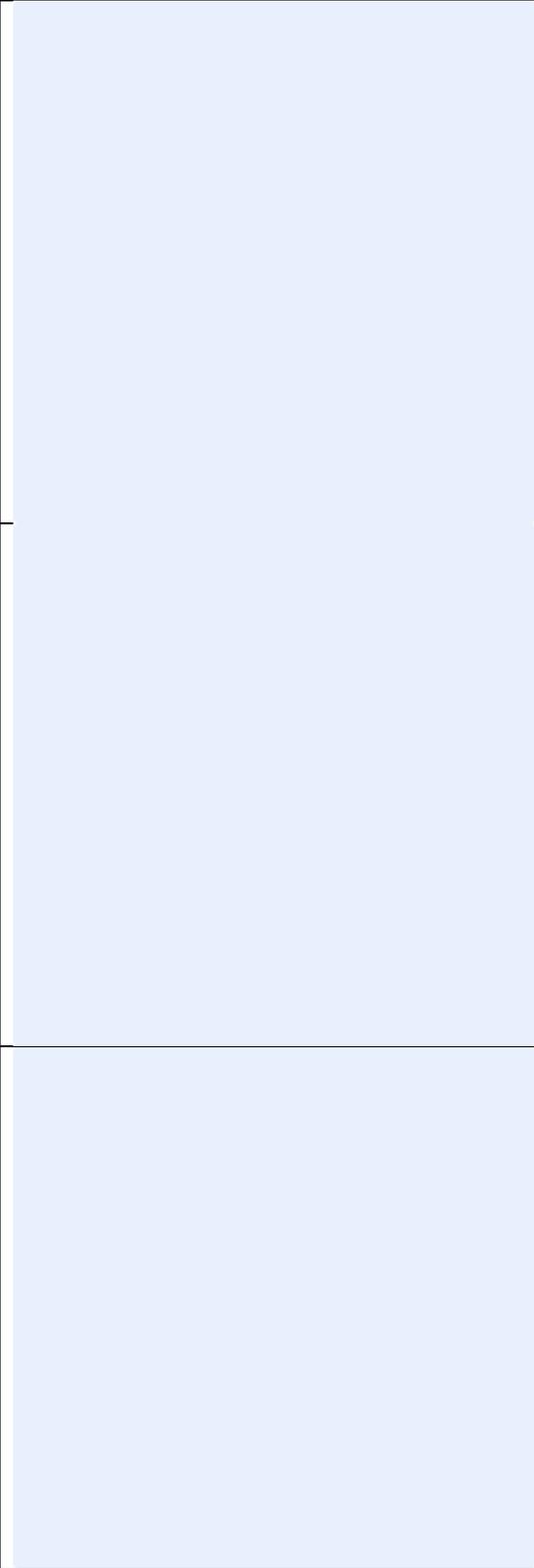


MISSOURI DEPARTMENT OF NATURAL RESOURCES
 SOLID WASTE MANAGEMENT PROGRAM
DEMOLITION LANDFILL INSPECTION CHECKLIST

REGIONAL OFFICE

I. GENERAL INFORMATION					
DATE OF INSPECTION	DAYS AND HOURS OPEN	TIME 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)	Site constructed and operated per permit PHASE: CELL:
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)	Certified solid waste technician directs or performs site operations NAME:
				10 CSR 80-4.010	DESIGN AND OPERATION;
SOLID WASTE ACCEPTED					
5.	<input type="checkbox"/>	<input type="checkbox"/>		(2)(C)1	Sign listing accepted wastes prominently displayed at site entrance
6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(2)(C)2	Bulky waste excluded from the first layer above composite liner
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	Disposal of approved wastes conducted in accordance with approved design and operating plans
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"/>		(5)(B)1	At least 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 shall be available to employees for reference and upon department request
SURVEY CONTROL					
14.	<input type="checkbox"/>	<input type="checkbox"/>		(7)(C)1	Boundary markers, benchmarks, horizontal control stations and construction stakes shall be 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 Waste Law permits obtained and validated
16.	<input type="checkbox"/>	<input type="checkbox"/>		(8)(C)1	Surface water courses and runoff diverted from the working face by ditches, berms, and proper grading
17.	<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
18.	<input type="checkbox"/>	<input type="checkbox"/>		(8)(C)2	The quantity of water coming in contact with solid waste shall be 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 was properly installed and operated as approved
20.	<input type="checkbox"/>	<input type="checkbox"/>		(9)(C)2	Leachate controlled on-site and not allowed to discharge off-site or into waters of the state
LINER SYSTEM					
21.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(10)(B)1	Liner protected from desiccation and freeze thaw
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"/>	<input type="checkbox"/>	(11)(C)1C	Monitoring wells operational prior to acceptance of waste
24.	<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					
25.	<input type="checkbox"/>	<input type="checkbox"/>		(13)(C)	Burning of solid wastes 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 and odor breaks
35.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(16)(C)4	Salvaged material removed daily or stored in acceptable containers or enclosures
COVER					
36.	<input type="checkbox"/>	<input type="checkbox"/>		(17)(C)1	No less than 12 inches of compacted cover applied at least once every seven days
37.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(17)(C)1	No active, intermediate, or final slopes exceeds 33 $\frac{1}{3}$ % (Note observation method in comments)
38.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(17)(C)2	As each phase is completed, final cover is applied
39.	<input type="checkbox"/>	<input type="checkbox"/>		(17)(C)6	Vegetation shall be established within 180 days of final cover application
40.	<input type="checkbox"/>	<input type="checkbox"/>		(17)(C)6	Vegetation shall be established and maintained to minimize erosion and surface water infiltration
41.	<input type="checkbox"/>	<input type="checkbox"/>		(17)(C)7	Regrading and recovering performed as necessary to maintain cover slope and integrity
42.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(17)(C)8	Borrow areas reclaimed per approved plans
COMPACTION					
43.	<input type="checkbox"/>	<input type="checkbox"/>		(18)(C)1	Adequate waste handling equipment available and operated as necessary
44.	<input type="checkbox"/>	<input type="checkbox"/>		(18)(C)1A&B	Waste spread and compacted in layers no greater than two feet thick and confined to smallest area and volume practicable
45.	<input type="checkbox"/>	<input type="checkbox"/>		(18)(C)1C	Cover placed and spread over waste then compacted
46.	<input type="checkbox"/>	<input type="checkbox"/>		(18)(C)2	Waste spread and compacted when the accumulated waste reaches 200 cubic yards or within seven days
47.	<input type="checkbox"/>	<input type="checkbox"/>		(18)(C)4	Waste not disposed of in water
SAFETY					
48.	<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
49.	<input type="checkbox"/>	<input type="checkbox"/>		(19)(C)1	Fire extinguishers provided on all waste handling equipment
50.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(19)(C)2	Any fires at site or in delivered waste extinguished immediately upon discovery
51.	<input type="checkbox"/>	<input type="checkbox"/>		(19)(C)3	Communications equipment available for emergencies
52.	<input type="checkbox"/>	<input type="checkbox"/>		(19)(C)4	Scavenging prohibited
53.	<input type="checkbox"/>	<input type="checkbox"/>		(19)(C)5	Site access controlled, by established roadways only, and only when operating personnel are present
54.	<input type="checkbox"/>	<input type="checkbox"/>		(19)(C)6	Traffic signs and markers provided to direct traffic to working face
55.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(19)(C)6	Customer drop-off areas maintained and litter free
56.	<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					
57.	<input type="checkbox"/>	<input type="checkbox"/>		(20)(C)1	Last five years of records maintained at the landfill office or as alternately approved
58.	<input type="checkbox"/>	<input type="checkbox"/>		(20)(C)1A	Major operational problems, complaints or difficulties
59.	<input type="checkbox"/>	<input type="checkbox"/>		(20)(C)1B	Gas monitoring records: QTR.
60.	<input type="checkbox"/>	<input type="checkbox"/>		(20)(C)1C	Ground water monitoring records: QTR.
61.	<input type="checkbox"/>	<input type="checkbox"/>		(20)(C)1D&E	Vector, dust, and litter control records
62.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(20)(C)1F	Waste handled and copies of submitted biennial air space estimates maintained on-site
63.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(20)(C)1G	Approved design documentation/records of leachate or gas condensate recirculation
64.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(20)(C)1H	Closure/post closure plans
65.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(20)(C)1I	FAI documentation, month/year approved:
66.	<input type="checkbox"/>	<input type="checkbox"/>		(20)(C)1J	Solid Waste Technician Certification records
67.	<input type="checkbox"/>	<input type="checkbox"/>		(20)(C)1J	Solid waste screening training and inspection records
68.	<input type="checkbox"/>	<input type="checkbox"/>		(20)(C)1K	Tonnage Fee Reports submitted as required
69.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	(20)(C)1L	Corrective actions
III. REMARKS – All 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:

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