

**INACTIVE SANITARY LANDFILL INSPECTION CHECKLIST**

**I. GENERAL INFORMATION**

DATE OF INSPECTION 2/11/2014	ARRIVAL & DEPARTURE TIMES 10:00 am / 1:30 pm	DATE CEASED ACCEPTING WASTE December 31, 2004
FACILITY NAME Bridgeton Sanitary Landfill	COUNTY St. Louis	PERMIT NUMBER 118912
FACILITY ADDRESS 13570 St. Charles Rock Road	CITY Bridgeton	STATE MO
MAILING ADDRESS Same as above	CITY	STATE
FACILITY REPRESENTATIVE PRESENT Mr. Brian Power, Environmental Manager	PHONE NUMBER (314) 744-8165 / (618) 410-0157 cell	TEMPERATURE/WEATHER 20 F /sunny / snow cover
		ZIP CODE 63044
		ZIP CODE

**II. INSPECTION CHECKLIST – Check all sections S = Satisfactory U = Unsatisfactory N = Not Applicable NE = Not Evaluated**

	S	U	N		
				<b>10CSR 80-2.030</b>	<b>SOLID WASTE DISPOSAL AREA CLOSURE &amp; POST-CLOSURE CARE</b>
1.	X			(4)(A)3B	Owner/Operator begins implementation of closure plan within 30 days after last waste accepted
2.	X			(4)(A)3D	Closure activities completed in accordance with plan within 180 days of beginning of closure
				<b>10CSR 80-3.010</b>	<b>DESIGN &amp; OPERATION</b>
					<b>DESIGN</b>
3.		X		(5)(C)1	Construction & operation of the site in accordance with approved plans & specifications
					<b>SURVEY CONTROL</b>
4.	NE			(7)(C)	Boundary markers, benchmarks & horizontal control stations in place, clearly marked & identified
					<b>WATER QUALITY</b>
5.	*			(8)(B)1F	MO Clean Water Law permits & approvals for runoff obtained
6.	*			(8)(C)1	Surface water courses & runoff diverted from landfill; re-grading as required to avoid ponding & to maintain cover integrity
7.	X			(8)(C)2	Contact between water & solid waste minimized; water contacting waste managed as leachate
					<b>LEACHATE COLLECTION SYSTEM</b>
8.		X		(9)(C)1	Leachate collection system properly installed, operated & maintained per permit & approved plans
9.		X		(9)(C)2	Leachate not allowed to discharge off-site or into waters of the state, except in accordance with MO Clean Water Law & rules
					<b>GROUNDWATER MONITORING</b>
10.	NE			(11)(B)4	All groundwater monitoring wells constructed, identified & secured per 10CSR 23-4
11.	NE			(11)(C)1D	Monitoring wells & piezometers decommissioned per 10CSR 23-4, as applicable
					<b>AIR QUALITY</b>
12.		X		(13)(C)	Burning of solid wastes prohibited except with a permit
					<b>GAS CONTROL</b>
13.		X		(14)(C)1	Decomposition gases not allowed to migrate laterally from landfill
14.	X			(14)(C)2A	Methane not allowed to concentrate in buildings on-site above 25% LEL (1.25% by volume)
15.		X		(14)(C)2B	Methane not allowed to concentrate in the soil at the property boundary above 50% LEL (2.5% by volume)
16.	X			(14)(C)4	Methane monitoring program implemented
					<b>AESTHETICS</b>
17.			X	(16)(C)4	Salvaged materials stored in aesthetically acceptable manner
					<b>COVER</b>
18.			X	(17)(B)3	Final slopes not to exceed 25% without approval [with approval, refer to (17)(C)3]
19.			X	(17)(C)2	Adequate intermediate cover applied (1 foot soil)
20.	X			(17)(C)3	Intermediate & final slopes not to exceed 33% [without approval per (17)(B)3]
21.	NE			(17)(C)4A	Adequate final cover applied- areas without liners
22.			X	(17)(C)4B	Adequate final cover applied- areas with liners
23.	NE			(17)(C)7	Surface grades & side slopes maintained to promote runoff without excessive erosion

DESIGN & OPERATION (continued)				
24.	NE		(17)(C)8	Vegetation established within 180 days of application of intermediate or final cover
25.	*		(17)(C)9	Re-grading & recovering performed as necessary to maintain cover slope & integrity
26.	NE		(17)(C)10	Borrow areas reclaimed per approved plans
<b>SAFETY</b>				
27.	X		(19)(C)5	Site access controlled
<b>10CSR 80-3.010 RECORDS</b>				
28.	X		(20)(C)	Records maintained at the landfill office or made available upon request
29.	NE		(20)(C)2	Survey & plat submitted for approval & filed with county Recorder of Deeds office. Two copies of recorded documents submitted to department. Date Filed:
30.	NE		(20)(C)2	Easement submitted for approval & filed with county Recorder of Deeds' office. Copy of recorded document submitted to department. Date Filed:

**III. REMARKS – All blocks marked U (Unsatisfactory) or N (Not Applicable) require a written explanation.**

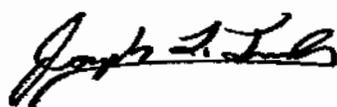
(See the narrative report for a detailed description of the unsatisfactory and marginal items noted above)

- 3, 8. Leachate levels in LCS-1D, LCS-3D and LCS-4B exceed level required by condition 6D of Permit 118912.
- \*5. Exceedences of effluent limits at outfall 003 & 007 in 2013; MSOP MO-0112771 needs to be modified to indicate new location of outfall 003.
- \*6, \*25. Subsided areas observed on landfill.
- 9. Leachate releases occurred at outfall 003 on 2/2/13, 12/12/13 and 2/9/14.
- 12. An SSE is occurring in the south quarry.
- 13, 15. Methane is exceeding 2.5% by volume in GMP 1, 2, 3, 4S, 5S, 14S, 14D, 1S, 2S, 2M, 2D, 3S, 3M, 3D.

**Additional unsatisfactory features:**

- 10 CSR 80-2.020(1)(F)
- 10 CSR 80-3.010(19)(A)
- Section 260.210.1.(4) RSMo
- Section 260.210.1.(3) RSMo

SIGNATURE OF INSPECTOR



OFFICE

St. Louis Regional Office