



MISSOURI DEPARTMENT OF NATURAL RESOURCES
 WATER PROTECTION PROGRAM, WATER POLLUTION BRANCH
FORM S – SECTION 5. SLUDGE DISPOSAL LAGOON (2019 UPDATE)

PERMIT NO.:		REPORTING PERIOD: CALENDAR YEAR	
FACILITY NAME			
<p>Complete this section if sludge has been left for more than two years in a sludge lagoon or inactive wastewater treatment lagoon and the lagoon has not been closed in accordance with a closure plan approved by the department.</p> <p>Applicable sludge requirements are listed under Part III Standard Conditions.</p> <p>Show both the NPDES permit number (MO-) and the solid waste disposal permit number (SW) under 5.10.</p>			
5.10 Person Responsible for Final Sludge Disposal			
5.11 FACILITY NAME			
5.12 CONTACT PERSON			
5.13 CONTACT ADDRESS			
5.14 PHONE	PERMIT NO: MO-	SW	
5.20 Sludge Disposal Lagoon Location			
5.21 LEGAL _____ ¼, _____ ¼, SEC __, T __, R __, COUNTY ____			
5.30 Lagoon Description			
5.31 <input type="checkbox"/> Sludge lagoon that has received sludge during the report period.			
5.32 <input type="checkbox"/> Sludge lagoon that did not receive sludge during the report period but has not been closed in accordance with a closure plan approved by the department.			
5.33 <input type="checkbox"/> Inactive wastewater treatment lagoon that no longer receives wastewater or sludge but has not been closed in accordance with a closure plan approved by the department.			
5.34 SURFACE ACRES OF LAGOON		FEET OF SLUDGE DEPTH	
5.35 CUBIC FEET (DESIGN)		CUBIC FEET SLUDGE (CURRENT)	
5.36 AVERAGE % SOLIDS OF SLUDGE IN THE LAGOON		DAYS OF STORAGE	
5.40 Groundwater Protection			
5.41 DATE OF LAGOON CONSTRUCTION (APPROXIMATE IF NOT KNOWN)			
5.42 GEOLOGIC REPORT Attach a copy of recent (Since July 1, 1993) geologic evaluation report by the department's Geological Survey & Resource Assessment Division (GSRAD).			
5.43 LAGOON SEAL – THE LAGOON SEAL MUST MEET BOTH OF THE FOLLOWING REQUIREMENTS:			
<input type="checkbox"/> Lagoon bottom and side seal meets current sealing requirements of 10 ⁻⁷ cm/sec per 10 CSR 20-8.200(6)(C) or 8.020(13)(A).			
<input type="checkbox"/> Lagoon seal meets requirements for a composite liner per Solid Waste Management Law and regulations under 10 CSR 80.			
5.44 GROUNDWATER MONITORING WELLS			
<input type="checkbox"/> Monitoring wells installed and approved by GSRAD. Attach monitoring well test results for parameters listed under Section A of Form SA, plus nitrate nitrogen as N, and any other groundwater testing required by the permit per 10 CSR 20-7.031.			
<input type="checkbox"/> Monitoring wells not installed.			

5.50 Sludge Monitoring

- Attach Form SA for sludge monitoring.
- If pretreatment, Form SB must also be attached.

5.60 Operating Requirements

Complete those that apply for 5.61 through 5.63.

5.61 Solid waste disposal permit (landfill permit) and NPDES sludge disposal permit will be obtained by _____ (date).

5.62 Sludge will be removed from the lagoon by

___ Starting date.

___ Ending date.

- Lagoon closed by pushing in the berms and grading and seeding.
- Lagoon used for storage only and accumulated sludge cleaned out every two years.
- Lagoon closed by mixing sludge with equal parts of earth and pushing in the berms. The sludge and soil mixture shall not exceed the cumulative agricultural loading for nitrogen and metals.

5.63 Are alternate limits or exceptions listed in the Special Conditions section of the NPDES permit?

- YES NO If yes, attach explanation sheet.