MWPP SEWAGE SLUDGE SURVEY

Note: Permittees that submitted the "Annual Report Review Form" for sludge to the EPA may submit a copy with the MWPP in lieu of this Attachment

Facility Background Information:

1. Facility Information Permit Number: _____

   Name: _____

   Street Address: _____

   County: _____

2. Facility Contact

   Name: _____

   Title: _____

   Telephone: _____

   Permittee Name: _____

   Mailing Address: _____

   _____

Facility Flow Information:

1. Facility Wastewater Treatment Capacity

   Average Daily Flow: _____ MGD

   Facility Design Capacity: _____ MGD

2. Estimated Septage Quantity Handled (Residuals Removed from Septic Tank Systems)

   Average Domestic Septage: _____ gallons per month

   Average Commercial Septage: _____ gallons per month

3. Method of Septage Processing

   ☐ Mixed with Influent Wastewater for Treatment

   ☐ Mixed with Sewage Sludge

   ☐ _____

4. Estimated Percentage Contributing Wastewater Flow

   Residential: _____ %

   Industrial: _____ %

   Other: _____ % Describe: _____

5. List type of wastewater treatment process(es) utilized at this facility:

   _____

   _____

6. Estimated sewage sludge wasting rate at this facility: _____ lb/day dry weight

   or _____ gallons per day

7. Estimated untreated sludge received from off site: _____ lb/day dry weight

   or _____ gallons per day

8. Estimated percent solids of combined sewage sludge prior to treatment: _____ %

9. List the sewage sludge treatment processes used in preparing sludge for final use or disposal:

	Sludge Quantity (untreated pounds per day)

10. Estimate the total volume of sludge generated: _____ (dry U.S. tons per year)

Sludge Disposal Methods

1. Which of the following describes the current method of sewage sludge disposal for this facility?

	Current Practices		Quantity (dry U.S. tons/year)	Proposed Practices	
	Approved by ADEM			*Approved by ADEM*	
	Yes	*No*		*Yes*	*No*
a. ☐ Land Application, Bulk Shipped	☐	☐	_____	☐	☐
☐ Agriculture	☐	☐		☐	☐
☐ Forest	☐	☐		☐	☐
☐ Public Contact	☐	☐		☐	☐
☐ Lawn/Home Garden	☐	☐		☐	☐
b. ☐ Land Application, Bagged/Other Container	☐	☐	_____	☐	☐
☐ Agriculture	☐	☐		☐	☐
☐ Forest	☐	☐		☐	☐
☐ Public Contact	☐	☐		☐	☐
☐ Lawn/Home Garden	☐	☐		☐	☐
c. ☐ Incineration	☐	☐	_____	☐	☐
d. ☐ Subtitle D Landfill (Disposal Only)	☐	☐	_____	☐	☐
e. ☐ Lined Treatment Lagoon or Stabilization Pond	☐	☐	_____	☐	☐
f. ☐ Unlined Lagoon or Stabilization Pond	☐	☐	_____	☐	☐
g. ☐ Other (Please Describe)	☐	☐	_____	☐	☐

_____

_____

_____

2. If “f” was selected above and sludge is stored for two (2) or more years, enter the distance between the surface disposal site and the property line: _____ feet

Pollutant Concentrations:

1. Enter the total concentrations of the following analytes using existing data. **Do not enter TCLP results.**

Analyte	Concentration (mg/kg or ppm)	Sample Type	Sample Date	Detection Level Of Analysis
Arsenic				
Cadmium				
Chromium				
Copper				
Lead				
Mercury				
Molybdenum				
Nickel				
Selenium				
Zinc				
Ammonium-Nitrogen				
Nitrate-Nitrogen				
Total Kjeldahl Nitrogen				

2. Enter the estimated or determined percent solids of the sewage sludge when sampled for the above analysis: _____%

Treatment Provided for Sewage Sludge at the Facility:

1. Which class of pathogen reduction does the sewage sludge meet at the facility? (As defined in 40 CFR Part 503)

☐ Class A

- ☐ Alternative A1 – Time and Temperature
- ☐ Alternative A2 – Alkaline Treatment
- ☐ Alternative A3 – Analysis and Operation
- ☐ Alternative A4 – Analysis Only
- ☐ Alternative A5 – Process to Further Reduce Pathogens (PFRP)
  - ☐ Heat Drying ☐ Thermophilic Aerobic Digestion ☐ Heat Treatment
  - ☐ Pasteurization ☐ Gamma Ray Irradiation ☐ Beta Ray Irradiation ☐ Composting
- ☐ Alternative A6 – PFRP Equivalent_____

☐ Class B

- ☐ Alternative B1 – Fecal Coliform Count
- ☐ Alternative B2 – Process top Significantly Reduce Pathogens (PSRP)
  - ☐ Aerobic Digestion ☐ Air Drying ☐ Anaerobic Digestion
  - ☐ Composting ☐ Lime Stabilization
- ☐ Alternative B3 – PSRP Equivalent_____

☐ Neither or Unknown

Vector Attraction Control:

- ☐ Option 1 – Minimum 38% Reduction in Volatile Solids
- ☐ Option 2 – Anaerobic Processes with Bench-Scale Demonstration of Volatile Solids Reduction
- ☐ Option 3 – Aerobic Processes with Bench-Scale Demonstration of Volatile Solids Reduction
- ☐ Option 4 – Specific Oxygen Uptake Rate (SOUR) for Aerobically Digested Sludge
- ☐ Option 5 – Aerobic Processes plus Elevated Temperature
- ☐ Option 6 – Raised pH to 12 and Retained at 11.5
- ☐ Option 7 – 75% Solids with No Unstabilized Solids
- ☐ Option 8 – 90% Solids with Unstabilized Solids
- ☐ Option 9 – Injection Below Land Surface
- ☐ Option 10 – Incorporation into Soil within 6 or 8 Hours
- ☐ Option 11 – Covering Active Sewage Sludge Unit Daily
- ☐ None of the Above

Groundwater Monitoring:

1. If disposal practice is surface disposal or land application, is groundwater monitoring required or performed at this site? ☐ Yes* ☐ No

   *If yes, please submit a copy of the groundwater monitoring reports along with this survey. Also, please provide the approximate depth to groundwater and the groundwater monitoring procedures used to obtain the data.

Land Application of Sewage Sludge:

Answer the following questions if sewage sludge is applied to land.

1. If sewage sludge is land applied in bulk form, what type of crop or other vegetation is grown on this site?

   _____

   _____

   _____

2. If sewage sludge is land applied in bulk form, what is the nitrogen requirement for this crop or vegetation?

   _____

   _____

   _____

3. If sewage sludge is land applied in bulk form, briefly describe the nature of any complaints filed from neighbors?

   _____

   _____

   _____