

**Checklist for Submitting a Septage Management Plan
For Land Disposal of Septage
Tier 1 Operation**

A Septage Management Plan must be submitted to the Environmental Protection Division (EPD) for review and approval in order to land apply septage. Refer to Georgia Department of Natural Resources Rules, Chapter 391-3-6-.23 "Land Disposal of Septage" for requirements for land disposal of septage. Specific operational guidance with a detailed list of required elements of a Septage Management Plan is under development.

The following information must be provided in a Septage Management Plan:

1. A site map and a topographic site map with the following items shown:
 - Property boundaries showing buffer zones
 - Roads (adjacent and within site, including primary access)
 - Areas of property in 100-Year Floodplain
 - Houses on or adjacent to site
 - Wells: On-site and within 1,000 ft.
 - Surface waters
 - Surface water intakes
 - Drainage areas
 - Public access points
 - Total and useable acreage (excluding buffer areas and unsuitable soils)
 - Locations of septage receiving, pretreatment, and storage areas

2. Soils survey map and information on soil series: Soil type, slopes, erodability, permeability, drainage, etc.

3. The pH of each application area (field) within the site based upon a composite sample of all soils types found in each field. Note that the pH of the soils/septage mixture must be maintained at 6.5 or above to prevent metals leaching. If a lower pH is shown, lime addition may be required.

| <u>Field Number</u> | <u>pH of Composite Soils Sample</u> |
|---------------------|-------------------------------------|
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |

4. Septage Analysis - The following information must be provided using representative sample results taken within the last six months. A copy of the laboratory results must also be submitted on the laboratory letterhead showing the specific analytical method used in the testing.

Sample locations _____ Sampling date _____

Complete the following table using the laboratory results.

If results are reported by the laboratory in wet weight, convert to dry weight:

$$\frac{\% \text{ Dry Solids}}{\% \text{ Wet Solids}} = \text{Factor} \qquad \text{Factor} \times \text{wet weight} = \text{dry weight}$$

| Name | Pollutant Concentrations | Pollutant Concentrations |
|--------------------------------|--------------------------|--------------------------|
| | Wet Weight | Dry Weight |
| Arsenic, mg/kg | | |
| Cadmium, mg/kg | | |
| Copper, mg/kg | | |
| Lead, mg/kg | | |
| Mercury, mg/kg | | |
| Chromium mg/kg | | |
| Nickel, mg/kg | | |
| Selenium, mg/kg | | |
| Zinc, mg/kg | | |
| Total Nitrogen, mg/kg | | |
| Ammonia as N, mg/kg | | |
| Total Kjeldahl Nitrogen, mg/kg | | |
| Nitrate as N, mg/kg | | |
| Total Volatile Solids, mg/kg | | |
| Total Solids, mg/kg | | |
| Total Suspended Solids, mg/kg | | |
| Total Phosphorus as P, mg/kg | | |
| Total Potassium as K, mg/kg | | |
| pH, standard units | | |

5. Quantity of Septage to Be Applied Annually

Liquid Septage: _____ gallons per year _____ % Solids
Dewatered Septage: _____ lbs per year (Dry Weight) _____ % Solids

6. Site restriction requirements must be met for pathogen control. Please check the boxes for the site restrictions that apply. Refer to Rule 391-3-6-.23 for additional information on the site restrictions.

I. Food crops that may touch the septage/soil mixture cannot be harvested before the end of the following waiting period:

- a. Food crops with harvested parts that touch the land surface or that develop above the land surface shall not be harvested for fourteen (14) months after domestic septage application.
- b. Food crops with harvested parts below the land surface shall not be harvested for thirty-eight (38) months after domestic septage application.
- c. Feed crops or fiber crops shall not be harvested for thirty (30) days after domestic septage application.

II. Turf grown on land where domestic septage is applied shall not be harvested for one (1) year after domestic septage application.

III. Animals cannot graze on the land for 30 days after septage application.

IV. Public access shall be restricted for thirty (30) days after the application of domestic septage.

7. Crop(s) to be grown on the Site: _____

8. Will the site be used for grazing? ___ Yes ___ No

9. Please provide information regarding the use(s) (both previous and future) for the land application site:

Previous _____

Future _____

10. Is the site owned by the person who will be applying for the permit? ___ Yes ___ No
If no, a copy of the letter of agreement between the person applying for the permit and the site owner, including any site restrictions, must be submitted.

11. Method of application of septage to the site including a description of operational procedures. (Surface application with incorporation, or injection)

12. Method of transporting the septage to the application site(s) from the receiving and pretreatment area (trucked, pumped, etc.) and the distance to the site(s).

Person submitting Septage Management Plan _____

Organization _____

Area Code & Telephone Number _____

Mailing Address _____