

**Information Required as Part of a Sewage Sludge Utilization (SSU)
Permit Application to Apply Sewage Sludge on
Agricultural Land in Maryland**

Please submit seven (7) copies of the following:

1. A completed SSU Permit Application Form (with appropriate fee) dated not more than six months prior to submission of the application.
2. An owner's consent form completed and signed by the legal owners of the site where sewage sludge is to be applied.
3. A site information form completed and signed by the person applying for a permit and the farmer or operator of the site where sewage sludge is to be applied.
4. A completed manganese advisory form signed by the person applying for the permit, the farmer or operator and the legal owners of the site where sewage sludge is to be applied if the site is located on the Coastal Plain and the sewage sludge to be applied is limed sewage sludge.
5. A description of the sources and types of sewage sludge to be applied, including any treatment the sewage the sewage sludge has received such as anaerobic digestion, aerobic digestion, lime stabilization, composting, or dewatering;
6. A current site specific topographic map with a minimum scale of 1 inch = 200 feet and a contour interval of not more than 5 feet showing the areal extent of the site, the property boundary lines, field boundaries, and the proximity of the site to major roads in the area and any roads on the site.
7. A current site plan that includes: (a) The location of property boundaries lines and field boundaries; (b) the exact acreage where sewage sludge is to be applied; (c) The location of all buffer distances; (d) The location of any residences or buildings on site or within ½ mile of the site; (e) An inventory of any domestic, commercial or municipal wells on site and within a ½ mile of the property boundary lines; (f) The location of any on-site stream, spring, seep, pond, drainage ditch or other body of water; (g) The location of any on-site area with a slope of 15 percent or greater; (h) The location of any on-site bedding outcrop; (i) The location of any on-site depression area; (j) The surrounding land uses; (k) Other features as determined by the Department; and (l) A legend identifying the key features on the site plan.

8. Unless the analytical results have been submitted to the Department in accordance with the requirements of Code of Maryland Regulations (COMAR) 26.04.06.06, the most recent results of a laboratory analysis of a representative composite sample of the sewage sludge that was obtained from the wastewater treatment plant that generated the sewage sludge. The sample must be obtained in accordance with the requirements of COMAR 26.04.06.06 and include percent of total solids, pH, ammonium nitrogen, nitrate nitrogen, total phosphorous, total potassium, total arsenic, total cadmium, total copper, total lead, total mercury, total molybdenum, total nickel, total selenium, total zinc, polychlorinated biphenyls (PCBs), and the dry weight concentration of total Kjeldahl nitrogen; the dry weight concentration of iron if the project involves the application of sewage sludge on pasture land; the dry weight concentration of Calcium Carbonate (CaCO_3) or equivalent if the sewage sludge to be applied is a lime stabilized or lime amended sewage sludge; and any other sewage sludge constituent that the Department determines necessary to adequately assess the potential impact of the project on public health and the environment;
9. If required by the Department, the results of a laboratory analysis of a representative soil sample, which was obtained from each field not more than 6 months before the receipt of the Sewage Sludge Utilization Permit Application by the Department subject to the following: (a) all soil samples shall be collected from within the field that would received sewage sludge in accordance with the requirements in COMAR 15.20.08; (b) Soil samples may not be collected from buffer distances, restricted areas, or other areas that are not subject to the land application of sewage sludge; (c) analytical results must include, at a minimum: pH, cation exchange capacity, and soil texture; (d) If metal analysis has not been previously performed on the field, total cadmium, total copper, total lead, total nickel, total zinc, total phosphorus and any other constituents in the soil that the Department determines necessary to adequately assess the potential impact of the project on public health, safety and the environment.
10. A soil map and soil map units from the USDA-NRCS identifying the proposed location of one soil test pit or auger boring to a depth of at least 36 inches for each soil mapping unit present on the USDA-NRCS county soils map but not less than one soil test pit or auger boring every 5 acres to identify the texture of the soils encountered and the depth to groundwater at the time of application as required by the Department.
11. Calculations of the lime required to raise the soil pH level to 6.0 and to maintain it at a minimum level of 6.0 over the life of the Sewage Sludge Utilization Permit.
12. A tax map showing the property line, owner, acreage, and liner and folio numbers.
13. A USDA-NRCS county soil survey map or a portion thereof clearly identifying the sites of the proposed sewage sludge land application including a description of each soil map unit found on the site.
14. A detailed operation plan that includes, when applicable: (a) Procedures for sampling, record keeping, and reporting of the sewage sludge to be utilized; (b) Types of equipment to be used for collection, management, washdown, and other operations; (c) days and

hours of operation; (d) Methods and procedures to prevent or control odors and other potential nuisance conditions at the site; (e) Methods and procedures for utilizing the treated sewage sludge; (f) Contingency or emergency plans to manage equipment breakdown, spills and other emergency events; and (g) Methods and procedures for restricting public access to the site:

15. A list of type of crops or cover species to be grown, which indicate the crop yields.
16. A nutrient management plan that has been prepared by a certified and licensed nutrient management consultant or a certified operator in accordance with the requirements of COMAR 15.20.04 and in compliance with COMAR 15.20.07 and 15.20.08.
17. A performance bond or other security in the amount of \$30,000 on a form prescribed by this Department (unless exempted by COMAR 26.04.06.10).
18. Other information requested by the Department.

Questions or for additional information, please call the Department at (410) 537-3314