

This permit is granted in accordance with the referenced documents in Part I, and subject to the terms and conditions specified in Parts II and III of this permit as follows:

Part I: Referenced Documents - Permit application, plans and specifications and other pertinent documents submitted to MDE.

1. Sewage Sludge Utilization (SSU) Permit Application and supporting documents submitted by Synagro Central, LLC, dated August 12, 2009, and received on August 18, 2009.
2. Letter showing that the Kriner brothers are the partnership that makes up Kriner Farm, LLC and withdrawing Annapolis Waste Water Treatment Plant sewage sludge from the SSU Permit Application submitted by Synagro Central, LLC, dated March 22, 2010, and received on March 25, 2010.
3. Nutrient Management Plan (NMP) submitted by Synagro Central, LLC, dated April 22, 2010, and received on April 26, 2010.
4. Revised site plan submitted by Synagro Central, LLC, dated May 13, 2010, and received on May 17, 2010.
5. SSU Permit Renewal and Modification Application and supporting documents submitted by Synagro Central, LLC, dated May 13, 2015, and received on May 15, 2015.
6. NMP submitted by Synagro Central, LLC, dated May 27, 2015, and received on May 28, 2015.
7. Revised SSU Permit Renewal and Modification Application and supporting documents submitted by Synagro Central, LLC, dated and received on November 6, 2015.
8. Updated NMP submitted by Synagro Central, LLC, dated December 17, 2015, and received on December 21, 2015.
9. Revised topographic map indicating depressions on the fields submitted by Synagro Central, LLC, dated and received on February 4, 2016.
10. SSU Permit Renewal and Modification Application and supporting documents submitted by Synagro Central, LLC, dated January 27, 2021, and received on January 28, 2021.
11. Additional information submitted by Synagro Central, LLC, dated February 8, 2021, and received on February 9, 2021.
12. Updated NMP submitted by Synagro Central, LLC, dated February 11, 2021, and received on February 12, 2021.
13. Revised SSU Permit Renewal and Modification Application and haul routes submitted by Synagro

Central, LLC, dated and received on April 1, 2021.

14. Updated NMP submitted by Synagro Central, LLC, dated and received on February 1, 2024.
15. Updated NMP submitted by Synagro Central, LLC, dated and received on February 10, 2025.
16. SSU Permit Renewal and Modification Application and supporting documents submitted by Synagro Central, LLC, dated April 3, 2026, and received on April 14, 2026.
17. Haul route submitted by Synagro Central, LLC, dated and received on June 24, 2026.
18. Updated NMP submitted by Synagro Central, LLC, dated April 3, 2026, and received on June 29, 2026.

Part II: Site-Specific Conditions (Applicable to Sewage Sludge Agricultural Land Application) - conditions which amend all other permit conditions applicable to this activity should any discrepancies or conflicts exist.

Agricultural Land Authorizations:

1. This permit applies only to the 97.3-acre area of the Kriner Farm, LLC Property (WA 12) consisting of fields 2, 3, 4, 5, 7, and 8 located at 11119 Dam Number 5 Road in Washington County, Maryland.
2. This permit authorizes only the transportation and land application of Class B digested sewage sludge generated by the Back River, Boonsboro, Frederick City, Havre de grace, Kent Island, Leonardtown, Little Patuxent, Marlay-Taylor, Mount Saint Mary's University, Piscataway, Sod Run Cake, Sod Run Liquid, Taneytown, and Wicomico Shores Waste Water Treatment Plants, and Class B lime stabilized sewage sludge generated by the Annapolis, Ballenger-McKinney, Bowie, Broadneck, Broadwater, Cox Creek, Damascus, Dorsey Run, Freedom District, Maryland City, Maryland Correctional Institution, Mattawoman, Mount Airy, Ocean City, Parkway, Patuxent, Piscataway, Seneca, and Valley Forge Waste Water Treatment Plants.
3. The permittee may only surface apply as a liquid or cake or subsurface inject the sewage sludge on this site in accordance with the SSU Permit Application and its supporting documents referenced in Part I of this permit and subject to the terms and conditions specified in Parts II and III of this permit.

4. The permittee is not required to subsurface inject or incorporate sewage sludge on:
- a. Permanent pastures.
 - b. Land used for hay production.
 - c. Fields containing highly erodible land (HEL) as defined by the United States Department of Agriculture – Natural Resources Conservation Service (USDA-NRCS). For purposes of this exemption, these fields must be documented by a Farm Service Agency (FSA) map (and be included with the NMP). If a farmer wants to claim exemption because the farmer believes the land is HEL, a determination must be conducted by the NRCS and documented.
 - d. Fields in which a current soil conservation and water quality plan prohibits or otherwise restricts soil disturbance. Documentation of this prohibition must be substantiated by a Revised Universal Soil Loss Equation (RUSLE) calculation to compare erosion factors with and without incorporation or injection. If incorporation/injection results in sediment delivery more than soil loss tolerance (T), then the field is exempt from incorporation/injection requirements. This comparison may be run using incorporation equipment the farmer prefers to use. If the above comparison exceeds T, the comparison must be re-run using best available technology or equipment that minimizes soil disturbance such as vertical tillage or an injector. Only if the latter comparison results in sediment delivery more than T, will the field then be exempt from incorporation/injection requirements. The RUSLE calculation should be based on the year of organic nutrient application. The RUSLE calculation should be done on a field-by-field basis. Only professionals recognized as trained and qualified to run RUSLE including a NRCS employee, Maryland Department of Agriculture (MDA) nutrient management certified consultant including a farmer certified to write nutrient management plan, NRCS technical service provider (TSP), or staff working in soil conservation district may prepare the RUSLE. Documentation must include the operator account ID field name/number, T designation, sediment delivery value with and without incorporation, and signature (include nutrient management certification ID number if applicable) or the RUSLE preparer.
 - e. Fields, other than HEL, which are restricted from disturbance due to an USDA or other legally recognized contract or requirement. Documentation should include pertinent information copied from the contract identifying the operator and delineating restrictions which prohibit soil disturbance.
 - f. Land where nutrients are applied to a growing crop through a spray irrigation system.
 - g. Small grains that have been planted for harvest, either as grain or silage. This is considered a standing crop, and therefore exempt from incorporation of organic nutrient sources during spring green-up.

5. The permittee shall contact MDE via email or phone at (410) 537-3315 or (410) 537- 3314 to record a voicemail message prior to the application of sewage sludge on the permitted fields. Except for Mondays, the permittee shall contact MDE at least 24 hours prior to the application of sewage sludge. For land application on Mondays, the permittee shall contact MDE on the previous Friday by 4:00 pm. The voicemail message shall include the name of the caller, the permittee's name, the name of the fields by name of owners, the locations of the fields by county, and the anticipated date of application.
6. The permittee shall contact the Washington County Health Department, Environmental Health Division, prior to the application of sewage sludge on the permitted fields. Except for Mondays, the permittee shall contact the Washington County Health Department, Environmental Health Division, at least 24 hours prior to the application of sewage sludge. For land application on Mondays, the permittee shall contact the Washington County Health Department, Environmental Health Division, on the previous Friday by 4:00 pm. The permittee shall provide the name of the caller, the permittee's name, the name of the fields by name of owners, the locations of the fields by county, and the anticipated date of application.
7. The permittee may only grow the crops listed in the following table with the corresponding pounds of nitrogen per acre value on this site during the growing season following the land application of sewage sludge. The corresponding pounds of nitrogen per acre value is the maximum amount of nitrogen which may be applied for the specified crop to be planted for a particular growing season:

Crop	Total Pounds of Nitrogen Per Acre Requirement
Alfalfa	210
Corn	168
Grass Hay	158
Soybeans	50
Wheat	52

8. The permittee shall have a copy of this permit and the most recent NMP on the site during land application of sewage sludge.

9. The permittee shall develop 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. In the event of an odor issue or other potential nuisance condition, MDE may require the permittee to take corrective action;
 - 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. In the event of an odor issue or other potential nuisance condition, MDE may require the permittee to take corrective action.
10. The permittee shall add lime to each field either before or at the time of the sewage sludge application to raise the soil pH initially to 6.0. The permittee shall maintain a soil pH at a minimum of 6.0 and test the soil pH every 6 months for the life of this permit and report the results to MDE. The permittee is not required to retest the soil pH of a field until sewage sludge has been applied to that field.
11. The permittee shall not land apply lime amended sewage sludge on any field where the soil pH is greater than 7.5 until the soil pH levels drop to 7.5 or below.
12. The permittee may only apply the permitted sewage sludge on fields authorized in Site Specific Condition 1 of this permit in accordance with the application rates stated in the most recent NMP for this site, which is prepared and updated by a certified nutrient management consultant or a certified operator in accordance with Code of Maryland Regulations (COMAR) 15.20.04, and is in compliance with COMAR 15.20.07 and .08, and any guidelines established by MDE. Following the land application of sewage sludge on these fields, the permittee must provide MDE, MDA, and the farmer/operator of these fields with a copy of the NMP, all subsequent NMP updates, and a summary of the applied plant nutrients. An updated NMP shall include an updated site map with any change to the permitted site or fields layout. Nothing in this condition shall be construed to preclude the institution of any legal action nor relieve the permittee from civil or criminal responsibilities and/or penalties for non-compliance with COMAR 15.20.04, 15.20.07, or 15.20.08.