



ENVIRONMENTAL PROTECTION DIVISION

Date: Nov 24, 2025

Synthica Energy Rome
Mr. Sam Schutte
Manager
10250 Alliance Rd. #225
Blue Ash, OH 45242

**SUBJECT: Solid Waste Handling Permit Issuance
Synthica Energy Rome
100 Regional Park Rd.
Floyd County, Rome, Georgia**

Dear Mr. Schutte:

Your application for a Solid Waste Handling Permit, including the necessary supplemental data for your operation, has been reviewed and approved.

Solid Waste Handling Permit **057-027P(MRF-AD)** is attached and includes conditions and limitations for your operation.

This permit is now in effect; however, under Georgia law it is subject to appeal for a period of thirty (30) days following issuance and is subject to modification or possible vacation if appealed. Should an appeal be received within the thirty (30) day appeals period, you will be immediately notified and further construction or operation under this permit may not be undertaken until such time as the appeals process is concluded. Personnel of the Georgia Environmental Protection Division will make periodic inspections of your operation. These inspections will be discussed with you or your designated representative.

To better capture organics landfill diversion activities in the state, the Division created an annual reporting template for Class 6 anaerobic digestion facilities to voluntarily report the weight or volume (in tons or cubic yards) of feedstocks accepted and gas and digestate produced and beneficially reused in the previous fiscal year (July 1 through June 30). A copy of the report form is attached, and it can also be downloaded online at: <https://epd.georgia.gov/about-us/land-protection-branch/recovered-materials-and-abatement/recovered-materials/anaerobic>

The completed report should be emailed to rma.epd@dnr.ga.gov no later than September 1 for the previous year (July 1- June 30). Annual organics diversion tonnage reports will be posted to EPD's website to share the impact that the anaerobic digestion industry has had on organic waste diversion in Georgia.

If you have any questions regarding this permit or voluntary report submission, please contact Sarah Knapp at (470) 524-0632 or rma.epd@dnr.ga.gov.

Thank you for your continued cooperation and dedication to landfill diversion in Georgia.

Sincerely,

A handwritten signature in cursive script that reads "Lena Sassone".

Lena Sassone
Program Manager
Recovered Materials & Abatement Program
Land Protection Branch

PERMIT NO. 057-027P(MRF-AD)

ISSUANCE DATE: Nov 24, 2025



GEORGIA

DEPARTMENT OF NATURAL RESOURCES

ENVIRONMENTAL PROTECTION DIVISION

LAND PROTECTION BRANCH

Materials Recovery-Anaerobic Digestion Facility Permit

Permittee Name: **Synthica Energy Rome**

Permittee Address: **100 Regional Park Road
Rome, Georgia 30161**

In accordance with the provisions of the Georgia Comprehensive Solid Waste Management Act, and the Rules promulgated pursuant thereto, this permit is issued for the following operation:

The construction and operation of a materials recovery and anaerobic digestion facility located in Floyd County, 100 Regional Park Road, Rome, Georgia 30161 (Latitude: 34°19' 42" N, Longitude: 85°05'12" W).

This permit is conditioned upon the permittee complying with the attached conditions of operation, which are hereby made a part of this permit.

All statements in the application and supporting evidence, information, and data submitted to the Environmental Protection Division of the Department of Natural Resources have been evaluated, considered and relied upon in the issuance of this permit.

This permit is now in effect; however, under Georgia law it is subject to appeal for 30 days following issuance and is subject to modification or revocation on evidence of noncompliance: (i) with any provision of the Act or of the Rules promulgated pursuant thereto; or (ii) with any representation made in the above mentioned application or the statements and supporting data entered therein or attached thereto; or (iii) with any condition of this permit.



Jeffrey W. Cown

Jeffrey W. Cown, Director
Environmental Protection Division

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Issued to: Synthica Energy Rome Materials Recovery and Anaerobic Digestion Facility

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Conditions for Materials Recovery and Anaerobic Digestion Facility

1. This permit is valid for the location listed above and is not transferable to any other location.
2. The operation of the facility and erosion control measures to be implemented shall be protective of ground and surface water, and conform to:
 - a. OCGA §12-5-20, Georgia Water Quality Act
 - b. OCGA §12-7-1, Georgia Erosion and Sedimentation Act
 - c. Georgia DNR Environmental Rule 391-3-6, Georgia Water Quality Rules, and
 - d. Georgia DNR Environmental Rule 391-3-7, Erosion and Sedimentation Rules.
3. The facility shall not restrict the flow of the 100-year flood, reduce the temporary water storage capacity of the floodplain, or result in a washout of solid waste or material so as to pose a hazard to human health and the environment. Solid waste handling activities shall not be performed in areas of the property considered to be within the 100-year floodplain.
4. Solid waste handling operations shall not be conducted in any wetlands, as defined by the United States Corps of Engineers, unless evidence is provided to the Director, by the applicant, that use of such wetlands has been permitted or otherwise authorized under all other applicable state and federal laws and rules. A statement certifying that the facility has been designed so that implementation of the plans will not impact wetlands delineated and shown in the Design and Operational (D&O) Plan shall be submitted. This statement shall be signed and stamped by the professional engineer responsible for the D&O Plan for the subject site. Wetland areas shall be delineated on the D&O Plan.
5. No radioactive waste, asbestos containing material, polychlorinated biphenyls (PCB) waste as defined in the Code of Federal Regulation, 40 CFR Part 761, regulated quantities of hazardous waste or any other prohibited waste as specified in section 391- 3-4-.04 of the Rules for Solid Waste Management may be handled or stored at the facility.
6. The Permittee shall comply with all other applicable state and local laws, rules and ordinances which are not incorporated as conditions of this Permit, but which are separately enforced by the relevant state or local agency with jurisdiction.
7. The Permittee shall comply with the location restrictions and site limitations, the design criteria, and the closure criteria required by the Rules for Solid Waste Management, Chapter 391-3-4-.05, 391-3-4-.09 and 391-3-4-.11.
8. Operations shall be conducted at all times in such a manner as to prevent air, water, and land pollution as well as public health hazards and nuisances.
9. Prior to receipt of waste, a professional engineer licensed to practice in Georgia shall provide the Division with written certification that the facility has been constructed in accordance with the permit and the approved D&O Plan.

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10. The D&O Plan approved by the Environmental Protection Division (Division) for this facility on November 21, 2024, is hereby made a part of this permit and this facility shall be designed, constructed and operated in accordance with the approved plan. Conditions of this permit supersede any provisions of the plan which may conflict.
11. Operation and management of waste processing shall at all times be under the supervision and control of a responsible individual properly trained in such processes.
12. Access shall be limited to authorized entrances that shall be closed when the facility is not in operation.
13. Signs shall be posted at the entrance to the facility stating the days and hours of operation, the types of materials accepted for processing, and a contact number for a facility operator.
14. All loading and unloading of waste shall be confined to the designated receiving areas shown in the D&O Plan. The enclosed processing structure must prevent precipitation from reaching solid waste and control litter, liquid runoff, dust, and odors.
15. Unprocessed waste shall be restricted to the receiving bays and processing facility. In no case shall unprocessed waste be deposited or stored outside of the facility or be allowed to scatter to the outside.
16. Non-recoverable solid waste shall be properly disposed of at a permitted disposal site. No solid waste may remain on-site for longer than 72 hours. Non-recoverable materials shall be handled at all times in such a manner as to prevent air, water, and land pollution, as well as public health hazards and nuisances
17. Equipment for fire control shall be available in proper working condition near the designated waste-receiving and processing areas, and near the processed solids storage area at all times.
18. The facility shall be maintained in a clean and sanitary condition. Floors shall be kept clean and well drained. Accumulation of putrescible materials and rubbish shall be controlled in a manner so as to minimize odors and prevent infestation by insects or rodents, and insect and rodent control measures shall be applied as necessary.
19. The Permittee shall reassess odor minimization practices when requested by the Division, or when a modification is made to the facility D&O Plan. The Permittee shall be required to implement operational or design modifications upon request by the Division or if the odor minimization assessment deems that additional modifications to controls or procedures are needed.

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20. No process or domestic wastewater shall be generated by the MRF-AD facility operations, except in accordance with the approved plan. Any spills, leaks, or free liquids emanating from waste handled at the facility shall be contained within the permitted areas and promptly remediated. In no event shall wash- water or free liquids contaminated by waste be discharged to storm drains or otherwise released to the environment.
21. The Division shall be notified of any fires, explosions, or releases to the environment that occur at the facility by telephonic communication no more than twenty-four (24) hours after occurrence and in writing no more than five (5) days after occurrence. The 24-hour Emergency Response phone number is (800) 241-4113.
22. The anaerobic digestion facility shall, at a minimum, monitor or test the following:
 - a. Chemical Oxygen Demand shall be tested daily if the feedstocks change on a daily basis or weekly if the feedstocks are consistent or if the digester is at steady state, with steady state being defined as the treatment level or the gas production is constant for at least three Hydraulic Retention Times (HRT).
 - b. Alkalinity shall be measured daily if the feedstocks change on a daily basis or weekly if the feedstocks are consistent or if the digester is at steady state, with steady state being defined as the treatment level or the gas production is constant for at least three HRT.
 - c. Gas production shall be monitored.
23. By the end of each operating day, all incoming Category B, C, and D feedstocks shall be processed, transferred to leak-proof containment, or mixed with bulking material and covered in a manner that minimizes odors and scavenging by vectors. For facilities with an anaerobic digester, the feedstocks can be stored in leak-proof containers with lids that prevent vector or odor problems for a period of time to allow for proper organic loading of the digester. This time period shall not exceed four days.
24. Digestate not contained in an in-vessel digester, sealed container, or sealed structure, shall, within 24 hours, be removed from the site and either disposed or processed at a permitted solid waste facility or incorporated into a permitted, on-site compost operation. Digestate may be stored in a sealed container or sealed structure for up to nine months. By-products from the separation of digestate shall be stored separately and in sealed containers.
25. Records documenting compliance with the Rules for Solid Waste Management shall be kept for a minimum of five (5) years from the date of the record and be in a form suitable for submission or inspection by the Division.
26. The facility shall be closed in accordance with the Rules for Solid Waste Management Chapter 391-3-4.11 and the approved Closure Plan in the D&O.
27. The Permittee shall fully satisfy all applicable financial responsibility requirements for closure in accordance with Solid Waste Rule 391-3-4-.13.

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28. The amount of material to be stored and processed as listed on the closure cost estimate of the approved D&O Plan shall not be exceeded at any time.
29. Coverage under this permit shall automatically terminate unless construction of the materials recovery and anaerobic digestion facility has commenced within three hundred sixty-five (365) days and completed within seven hundred thirty (730) days of the issuance date of this permit.