



GRETCHEN WHITMER
GOVERNOR

STATE OF MICHIGAN
DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY
LANSING



LIESL EICHLER CLARK
DIRECTOR

**ETHANOL SYRUP EXEMPTION
(ANAEROBIC DIGESTION)**

In accordance with the provisions of Section 11503(8) of Part 115, Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (NREPA), syrup generated in the production of ethanol (Syrup) is granted a source-separated exemption by the authorized representative of the Director of the Michigan Department of Environment, Great Lakes, and Energy (EGLE).

This exemption is subject to the following conditions:

1. This approval is limited to syrup that is produced from the production of ethanol using corn.
2. The Syrup shall only be used as a feed stock in an anaerobic digester that is operated in compliance with Part 55, Air Pollution Control, of the NREPA. Anaerobic digestion is the harnessed and contained, naturally occurring process of anaerobic decomposition. An anaerobic digester is an industrial system that harnesses these natural processes to treat waste, produce biogas that can be used to power electricity generators, provide heat, and produce soil improving material.
3. Each generator intending to operate pursuant to this exemption shall notify the Director of EGLE, in writing, of his or her intent. Notification shall be sent to the Materials Management Division (MMD), District Office. A list of the District Offices is attached in Appendix A.
4. The notification to the MMD shall include a management plan that must be approved by EGLE that describes how the material will be managed during storage (both on-site and off-site), processing, and transportation.
5. The Syrup shall not be stored in a manner constituting speculative accumulation per R 299.4105(l). The owner/operator of a site must be able to demonstrate compliance with this condition.
6. The Syrup shall not come into direct contact with surface water, groundwater, or wetland areas as defined by the NREPA, and the administrative rules promulgated thereunder, unless approved or permitted by EGLE.
7. Processing, storage, transporting, or use of the Syrup shall be managed in such a way to prevent nuisance conditions in violation of Part 115 and Part 55 or the rules promulgated under Part 55.

8. Vehicles used to transport the Syrup shall be licensed under Part 121, Liquid Industrial By-Products, of the NREPA.
9. The generator of the Syrup shall obtain a Site Identification Number in compliance with Section 12103(1)(b) of Part 121 and manage the Syrup pursuant to Part 121.
10. The owner of the anaerobic digester shall obtain a Site Identification Number in compliance with Section 12112(1)(a) of Part 121 and manage the Syrup pursuant to Part 121.
11. Storage of the Syrup, prior to use, shall be in a tank; a container; a surface impoundment that has been permitted under Part 31, Water Resources Protection, of the NREPA; or other similar structure that is approved by the Director of EGLE.
12. The Syrup shall be tested on a quarterly basis for the parameters listed below unless EGLE has approved an alternate time frame or modified list of parameters. The results shall be kept by the company for a period of three years and shall be made available to EGLE upon request.

Solids and Nutrients	Toxicants
Percent Dry Solids	Arsenic (milligrams/kilograms [mg/kg])
Percent Total Kjeldahl Nitrogen	Barium (mg/kg)
Percent Ammonium Nitrogen	Cadmium (mg/kg)
Percent Nitrate Nitrogen	Chromium (mg/kg)
Percent Phosphorus	Copper (mg/kg)
Percent Potassium	Lead (mg/kg)
Calcium (mg/kg)	Mercury (mg/kg)
Magnesium (mg/kg)	Molybdenum (mg/kg)
Sodium (mg/kg)	Nickel (mg/kg)
Chloride (mg/kg)	Selenium (mg/kg)
Sulfate (mg/kg)	Silver (mg/kg)
pH	Zinc (mg/kg)
5-Day Biochemical Oxygen Demand	Aluminum (mg/kg)
	Manganese
	Iron (mg/kg)
	Boron (mg/kg)
	Ethanol

13. The results of testing shall be submitted to each anaerobic digester using the Syrup.

14. By January 31 of each year, a report shall be submitted to EGLE that details the total volume of Syrup shipped and the location(s) where the Syrup was sent. The report shall be sent to:

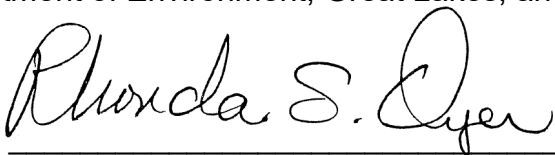
Solid Waste Section
Materials Management Division
Michigan Department of Environment, Great Lakes, and Energy
P.O. Box 30241
Lansing, Michigan 48909-7741

15. This approval shall immediately become void for any of the following reasons:
- The conditions of this approval are violated.
 - Additional information demonstrates that the processing, use, or storage of the Syrup is causing environmental contamination.
 - New state or federal regulations are promulgated that would cause this approval to become invalid.

Since the Syrup has been designated a site/source-separated material, any facility that processes the Syrup will not be required to obtain a processing plant license pursuant to Part 115 provided they do not take regulated solid waste and they operate in compliance with the conditions contained in this approval.

Violation of the conditions of this approval is subject to the enforcement provisions of Parts 55, 115, and 121 of the NREPA or other applicable state and federal laws/statutes.

STATE OF MICHIGAN
Department of Environment, Great Lakes, and Energy

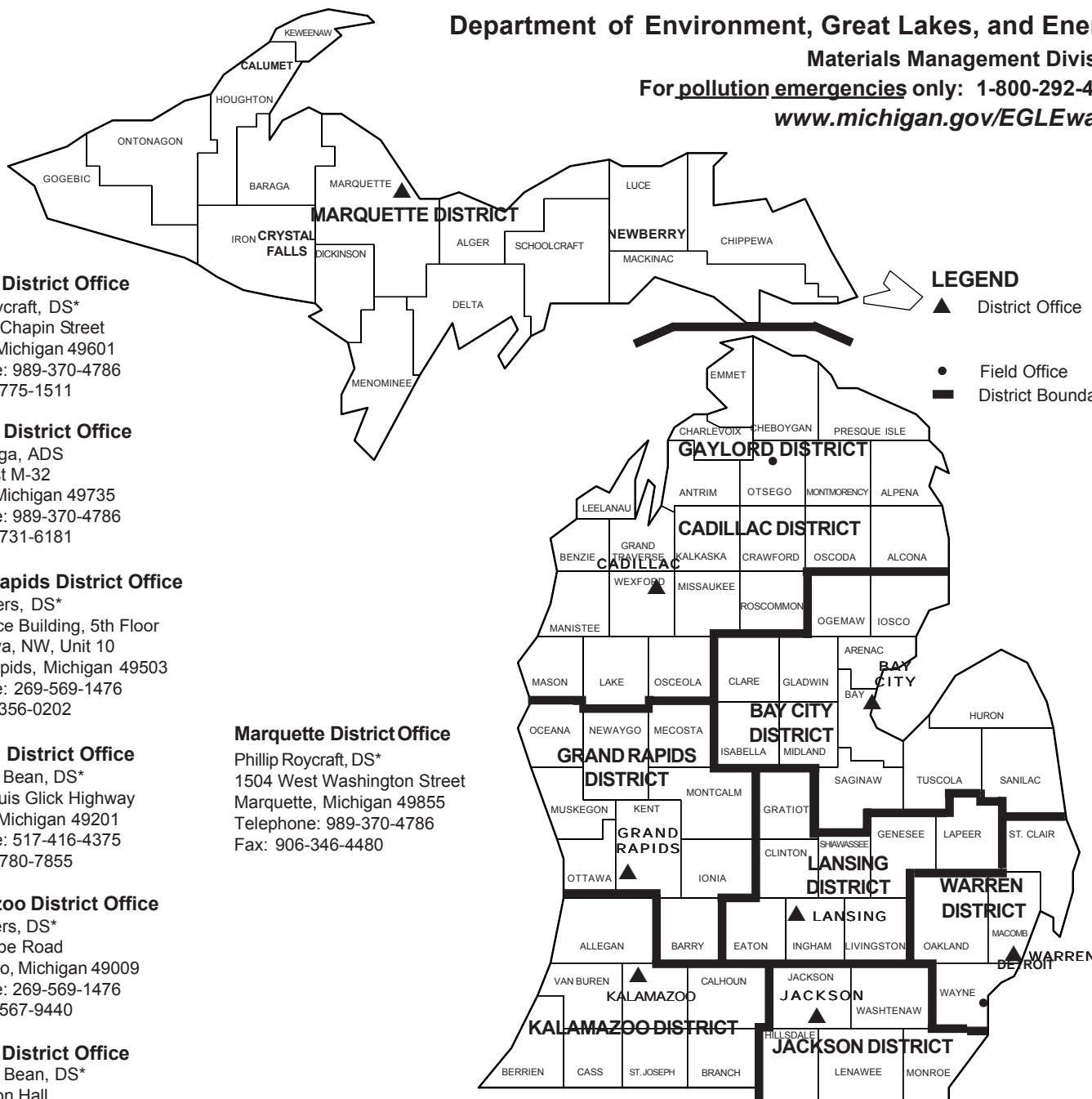
By: 
Rhonda S. Oyer, Manager
Solid Waste Section
Materials Management Division

Dated: April 28, 2020

Attachment

DISTRICT LOCATIONS & BOUNDARIES

Department of Environment, Great Lakes, and Energy
 Materials Management Division
 For pollution emergencies only: 1-800-292-4706
www.michigan.gov/EGLEwaste



LEGEND
 ▲ District Office
 ● Field Office
 ■ District Boundaries

Cadillac District Office

Philip Roycraft, DS*
 120 West Chapin Street
 Cadillac, Michigan 49601
 Telephone: 989-370-4786
 Fax: 231-775-1511

Gaylord District Office

John Ozoga, ADS
 2100 West M-32
 Gaylord, Michigan 49735
 Telephone: 989-370-4786
 Fax: 989-731-6181

Grand Rapids District Office

Fred Sellers, DS*
 State Office Building, 5th Floor
 350 Ottawa, NW, Unit 10
 Grand Rapids, Michigan 49503
 Telephone: 269-569-1476
 Fax: 616-356-0202

Jackson District Office

Lawrence Bean, DS*
 301 E. Louis Glick Highway
 Jackson, Michigan 49201
 Telephone: 517-416-4375
 Fax: 517-780-7855

Kalamazoo District Office

Fred Sellers, DS*
 7953 Adobe Road
 Kalamazoo, Michigan 49009
 Telephone: 269-569-1476
 Fax: 269-567-9440

Lansing District Office

Lawrence Bean, DS*
 Constitution Hall
 South Tower, 1st Floor
 (525 W. Allegan St.)
 P.O. Box 30242
 Lansing, Michigan 48909
 Telephone: 517-416-4375
 Fax: 517-241-3571

Bay City District Office

Phillip Roycraft, DS*
 401 Ketchum Street, Suite B
 Bay City, Michigan 48708
 Telephone: 989-370-4786
 Fax: 989-891-9237

Warren District Office

Tracy Kecskemeti, DS*
 27700 Donald Court
 Warren, Michigan 48092
 Telephone: 586-753-3840
 Fax: 586-753-3831

Marquette District Office

Phillip Roycraft, DS*
 1504 West Washington Street
 Marquette, Michigan 49855
 Telephone: 989-370-4786
 Fax: 906-346-4480

Bay City District Office

John Ozoga, ADS
 989-370-4786

Warren District Office

Greg Morrow, ADS
 586-753-3852

MAIN OFFICE

Materials Management Division
Jack Schinderle, Division Director

Constitution Hall, 4th Floor, South Tower
 P.O. Box 30241 525 West Allegan Street
 Lansing, MI 48909-7741 Lansing, Michigan 48933

Fax: 517-335-0610

Detroit District Office

Tracy Kecskemeti, DS*
 Cadillac Place, Suite 2-300
 3058 West Grand Bouleva
 Detroit, Michigan 48202
 Telephone: 586-753-3840
 Fax: 313-456-4692

*DS = District Supervisor
 **ADS = Assistant District Supervisor