



GRETCHEN WHITMER
GOVERNOR

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



LIESL EICHLER CLARK
DIRECTOR

VIA E-MAIL

TO: Governor Gretchen Whitmer
Members of the Michigan Legislature

FROM: Liesl Eichler Clark, Director 

DATE: December 23, 2019

SUBJECT: Waste Minimization and Waste Reduction Assistance Report

In accordance with Section 324.14306 of Part 143, Waste Minimization, and Section 324.14510 of Part 145, Waste Reduction Assistance, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, attached is the Department of Environment, Great Lakes, and Energy's (EGLE) report on Waste Minimization and Waste Reduction Assistance for fiscal year 2019.

If you need further information, please contact Jack Schinderle, Director, Materials Management Division, at 517-284-6551; or you may contact me at 517-284-6708.

Attachment

cc/att: Chris Harkins, Director, Senate Fiscal Agency
Mary Ann Cleary, Director, House Fiscal Agency
Chris Kolb, Director, State Budget Office
JoAnne Huls, Chief of Staff, Governor's Office
Jennifer Flood, Legislative and Public Affairs Director, Governor's Office
Emily Laidlaw, Policy Director, Governor's Office
Abbey Frazier, Senate Fiscal Agency
Austin Scott, House Fiscal Agency
Jacques McNeely, State Budget Office
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MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY

Legislative Report

Waste Minimization and Waste Reduction Assistance Report

Report Period: Fiscal Year 2019

This report is provided in accordance with Section 324.14306 of Part 143, Waste Minimization, and Section 324.14510 of Part 145, Waste Reduction Assistance, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended.

MCL 324.14302 Pollution Prevention; Incorporation; Purpose; Personnel and Support Staff.

The Michigan Department of Environment, Great Lakes, and Energy (EGLE) conducted the following actions to incorporate pollution prevention goals within its regulatory and permit programs, including data collection and analysis, to advance the concept and implementation of pollution prevention:

- Launched the Integrated Assessment Program that focuses on conducting voluntary, self-initiated, pollution prevention assessments at small to medium sized businesses with the aim of improving their in-plant environmental performance and compliance. As part of the launch, EGLE conducted intradepartmental trainings on the program.
- Identified per- and polyfluoroalkyl substances (PFAS) as an opportunity to encourage pollution prevention through EGLE's regulatory and permit programs, and actively engaged with the Michigan PFAS Action Response Team (MPART) and its statewide workgroups to explore and implement pollution prevention solutions.
- Through the Clean Diesel Program and the Fuel Transportation Program, EGLE used pollution prevention strategies to support EGLE's Air Quality Division's priorities to maintain and/or gain compliance with the National Ambient Air Quality Standard for Ozone.
- Began participation in EGLE's newly-formed Office of Climate and Energy to support strategies on climate response activities; provide recommendations on climate mitigation and adaptation; and offer guidance and assistance in reducing greenhouse gas emissions, advancing renewable energy and energy efficiency, and implementing climate resiliency strategies.

MCL 324.14303 Pollution Prevention; Duties of Department; Emphasis on In-plant Pollution Prevention and Reduction of Hazardous Waste.

EGLE conducted the following activities:

- Identified PFAS as an opportunity to encourage pollution prevention through EGLE's regulatory and permit programs and actively engaged with MPART to explore and implement pollution prevention solutions.
- Launched the Integrated Assessment Program.
- Set goals to reduce diesel emissions in the state to protect human health and improve air quality.
 - The Fuel Transformation Program will have a direct impact on improving air quality by removing 17 old diesel buses and replacing them with new zero emission vehicles. In doing so, this project will eliminate an estimated 5,426 pounds of oxides of nitrogen (NOx) and 163.4 pounds of particulate matter (PM_{2.5}) over the lifetime of the new vehicles by December 21, 2022. Additional projects with additional emission reduction targets will begin in fiscal year (FY) 2020.
 - The Michigan Clean Diesel Program focuses on reducing diesel emissions from vehicles, engines, and equipment in areas designated as having poor air quality and to gain or maintain compliance with National Ambient Air Quality Standard for Ozone. As of September 30, 2019, the FY 2019 grant eliminated an estimated 4.131 short tons of NOx and .344 short ton of PM_{2.5}.
- Continued efforts to triple the recycling rate and supported legislation that sets benchmark standards for municipal recycling.

MCL 324.14304 Transmitting Certain Information.

Due to changing technology, the United States Environmental Protection Agency maintains relevant information received under Title 42 of the Code of Federal Regulations, Emergency Planning and

Community Right-to-Know, Section 313 of Subtitle B of Title III of the Superfund Amendments and Reauthorization Act of 1986, Public Law 99-499, 11023, and makes it available to EGLE at any time via the Internet at: EPA.gov/Toxics-Release-Inventory-Tri-Program/Tri-Data-and-Tools.

MCL 324.14502 Reduction in Amount of Generated Environmental Waste; Emphasis on Pollution Prevention; Personnel; Staff and Services.

EGLE administered the following initiatives and programs to inform, assist, educate, and provide funding to persons to facilitate a reduction in the amount of environmental waste generated in the state with a particular emphasis on in-plant pollution prevention:

- Launched the Integrated Assessment Program.
- Administered the Small Business Pollution Prevention Loan Program to help finance pollution prevention projects at small businesses.
- Administered the Clean Corporate Citizen Program and the Michigan Business Pollution Prevention Program to recognize businesses for their environmental compliance and improvement of their environmental performance.
- Provided matching funds and administered the federal Diesel Emission Reduction Grant, which focuses on reducing emissions from diesel engines.
- Administered Michigan's allocation of funds from the Volkswagen Settlement with a focus on mitigating oxides of nitrogen emitted into the air from diesel engines.
- Conducted Webinars to educate interested organizations about pollution prevention technologies with a particular emphasis on alternative fuels.
- Conducted presentations and workshops with a particular emphasis on alternative fuels.

MCL 324.14503 Pollution Prevention Information Clearinghouse; Establishment; Duties; Contracts.

EGLE maintained a Pollution Prevention Program Website to provide specific information, published information describing pollution prevention technologies, distributed publications pertaining to pollution prevention, and provided information and application forms, as necessary to fulfill EGLE's responsibilities. EGLE also sponsored pollution prevention workshops targeted at specific industries, with a focus on the health, environmental, and educational benefits of emission reductions from school buses. EGLE staff also participated in conferences and meetings of business organizations to offer pollution prevention assistance.

MCL 324.14504 Pollution Prevention Technical Assistance

EGLE provided and supported technical assistance regarding pollution prevention to business and industry throughout the state by providing instruction on self-conducted environmental waste audits, consultant referrals, on-site assistance to business and industry, and other information and assistance. These actions were primarily accomplished by the following activities:

- Launched the Integrated Assessment Program.
- Participated in conferences and meetings of business organizations.
- Conducted Webinars to educate interested organizations.
- Conducted presentations and workshops.

MCL 324.14506 Pollution Prevention Research Grants Program; Establishment; Distribution of Information and Applications for Grants; Form and Contents of Application; Recipients of Grants; Considerations.

There was not any activity; funding was not made available for this activity.

MCL 324.14513 Small Business Pollution Prevention Assistance Revolving Loan Fund; Creation; Disposition; Lapse; Expenditure; Loan Eligibility Requirements; Loan Limitations; “Fund” Defined.

EGLE has continued to maintain the program; however, demand for the program has been extremely low the past several years. No new loans were executed during FY 2019.