



Emissions Inventory – Michigan’s Solution to U.S. EPA Changes

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Overview

- Emissions Inventory System Changes
- Supplemental Control Template
- New Facilities and Emission Units
- Resources
- Control Device Pathway Discussion
- Example Facility and Questions



Emissions Inventory System – What is Changing?

- **U.S. EPA Changed the Emissions Inventory System inputs**
 - Identify Control Relationships for Emission Units
 - Each State Emissions Inventory Database is Different, so changes will vary
 - “Best Physical Representation” of the source

- **EGLE’s Solution for Data Collection**
 - Supplemental Control Template
 - Sent to approximately 450 stationary sources
 - Due March 15, 2021



Why did I receive a Supplemental Control Template?

- **Determined based on existing MAERS data**
 - EGLE queried MAERS data for cases where more info needed
 - Sources where control relationships unclear, may vary

- **Not sure? Check EGLE's Universe of Sources:**

Sources identified as needing to report additional information:

[Universe of Sources](#)

Last Updated: 1/12/2021



New Facilities and Emission Units

- **New Facility**
 - First time reporting to MAERS
 - Each “new” facility will receive a Supplemental Control Template
- **Facility that has reported to MAERS, but adds a new EU or makes a change (in MAERS) to existing emission unit, stack, or control**
 - Spreadsheet is pre-filled with existing data from 2018/2019 Inventory
 - Contact EGLE early!
- **Confused? Call for help!**

Resources

Michigan Air Emissions Reporting System: MAERS

The federal Clean Air Act requires that each state maintain an inventory of air pollution emissions for certain facilities and update this inventory every year. Michigan's emission inventory is collected annually using MAERS.

Each year, approximately 2,000 facilities report emissions to MAERS. Emissions data is submitted to the United States Environmental Protection Agency (USEPA) to be added to the national data bank. This information is used to track air pollution trends, determine the effectiveness of current air pollution control programs, serve as a basis for future year projections of air quality, track source compliance, provide information for permit review, and calculate the emissions portion of the air quality fee.



Annual Emissions Fees

- [Fee Calculations](#)

Getting Started in MAERS

- [MAERS User Guide](#)
- [Registration & Associating User Instructions](#)
- [Access Quick Guide](#)
- [Frequently Asked Questions](#)
- [Before You Begin - Checklist](#)
- [MAERS Facility Web Portal](#)
- [Changes to Annual Air Emissions Reporting](#)

Need Help with MAERS?

- [Environmental Assistance Center, 800-662-9278](#)
- [InfoMAERS@michigan.gov, 517-285-6700](mailto:InfoMAERS@michigan.gov)
- [AQD District Offices](#)



Resources (Cont.)

Example Facility

An example facility was created to help people learn how to think about the new requirements and see how it fits into the Supplemental Control Template. [\(These files may be updated for improvements.\)](#)

[Write-Up for the Example Facility](#)

[Pre-filled Supplemental Control Template for the Example Source](#)

[Answer Key for the Example Source](#)

Training

Training is available to explain what the required information is, how to visualize it, and how to fill out the Supplemental Control Template. It will be held on January 28, 2021, as part of a [four-part MAERS series](#). When you sign up, you may choose to attend all or one of the sessions.

Additional Resources: (COMING SOON)

Portions of the Supplemental Control Template are locked for data integrity.

[Excel workbook: Blank Supplemental Control Template](#)

Contact Information:

Submittals should be sent to InfoMAERS@michigan.gov.

Questions about the annual reporting changes should be directed to [Catherine Asselin](#).

Questions about MAERS may also be directed to [Amie Hartman](#) at 517-285-6700 or to the [Environmental Assistance Center](#) at 800-662-9278.



Let's Talk Acronyms

Acronym	Definition
CD	Control Device
CDP	Control Device Pathway
EU	Emission Unit
RG	Reporting Group
RP	Release Point
SV	Stack/Vent
RTO	Regenerative Thermal Oxidizer

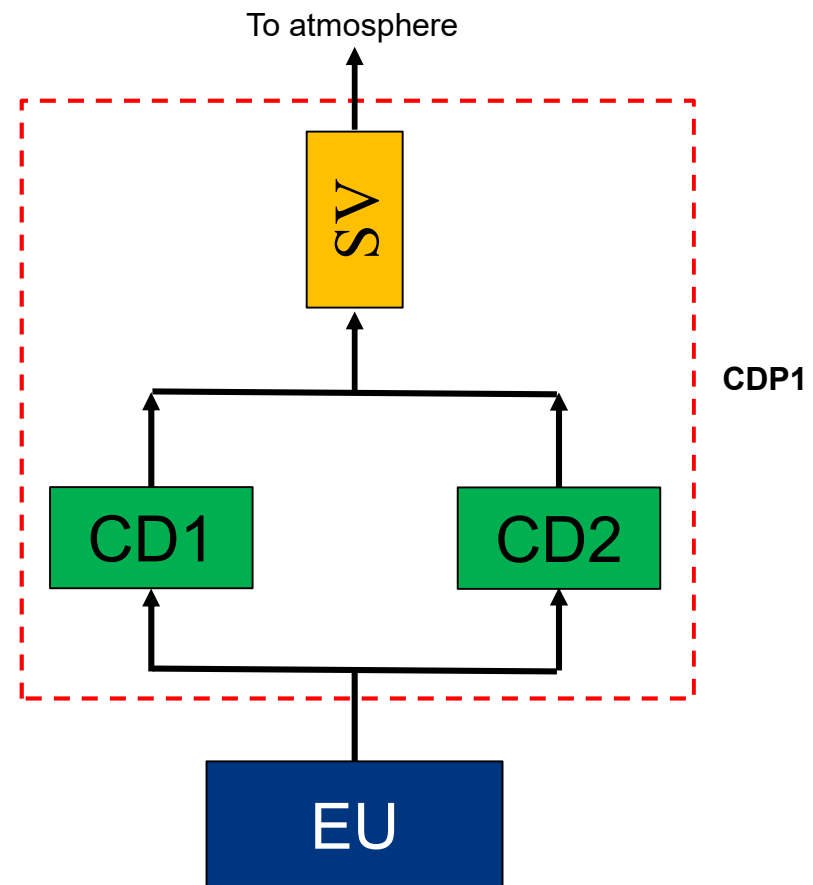
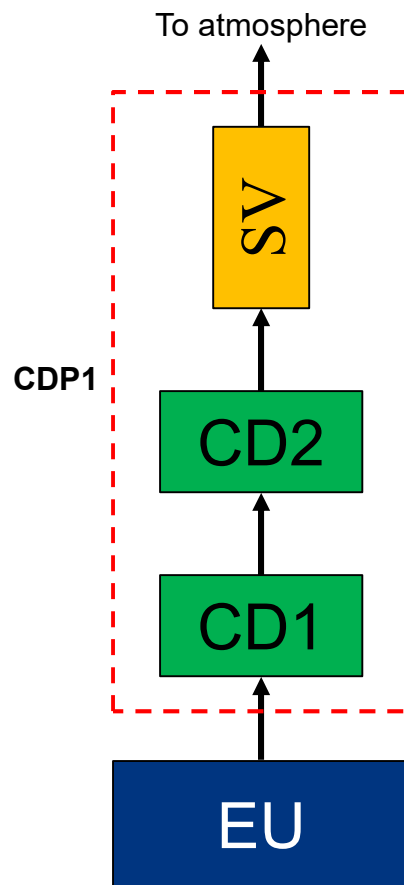


Control Device Pathway (CDP) – What is it?

- **A CDP is the “link” for the database to define relationship between emissions generation and release point(s)**
 - CDP will draw the pathway of emissions through control device(s)
 - Control devices characterized by sequence (first, second, etc.)
- **Defining Release Points:**
 - Stacks – Link a CDP with the stack(s) listed in MAERS
 - Fugitive – Define emissions from an activity as fugitive (not emitted from a stack)

What does a CDP look like?

- Sequence of Controls: Series vs. Parallel





CDP: Where do I start?

- Define the source!
- The Supplemental Control Template for your source is pre-filled with the stacks, emission units, control devices, and activity codes....now what?
 - Obtain Process Flow Diagrams
 - Check Permit Applications
- Make the Connections
 - It helps to draw the processes and equipment



AQD Example

- **AQD has developed an example to help sources:**
 - Provides many examples scenarios
 - Multiple activity and control codes
 - Fugitive exhaust and emissions routed to stacks
 - Reporting Group, containing 2 EUs with multiple activities/equipment
- **Let's walk through it!**
 - Note: AQD has also posted an answer key



Questions?

Enter questions using Q&A or raise your hand



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