

Transitioning Away from MAERS

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Presenter & General Contact

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Today's Goals – MAERS Recommendations

1. Data Matching
2. Release Points
3. Reporting Group Removal
4. Control Devices

New System Caveat

Things will change!



Implementation 

Data Matching

PERMIT TO INSTALL

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EMISSION UNIT SUMMARY TABLE

The descriptions provided below are for informational purposes and do not constitute enforceable conditions.

Emission Unit ID	Emission Unit Description (Including Process Equipment & Control Device(s))	Installation Date / Modification Date	Flexible Group ID
EUBURNOFF	A batch type natural gas-fired burn-off oven for removal of plastisol coatings from metal parts (Bayco Model BB469). The oven is equipped with an 1 MMBTU/hr afterburner control system.	09-01-1997 / 12-03-2014	

Changes to the equipment described in this table are subject to the requirements of R 336.1201, except as allowed by R 336.1278 to R 336.1291.

Data Matching

The screenshot shows the MAERS Report Data Entry interface. On the left is a navigation menu with options: Source, Contact, Stack, Emission Unit (highlighted), Reporting Group, Activity & Emission, Submit, MAERS Report Site Map, and Completeness Check. The main area is titled "Emission Unit List" and includes a table with one row: EUBOILER, Test boiler, 03/02/2009. Below the table are buttons for "Export to Excel" and "Add New Emission Unit". A section titled "Deleted Emission Unit List" shows a message: "No results found. Please try again."

View/Edit	Emission Unit ID	Emission Unit Desc	Installed Date	Dismantle Date	Delete
	EUBOILER	Test boiler	03/02/2009		



EUBOILER ≠ EU-BOILER

EUCRUSHER ≠ EU-PLANT



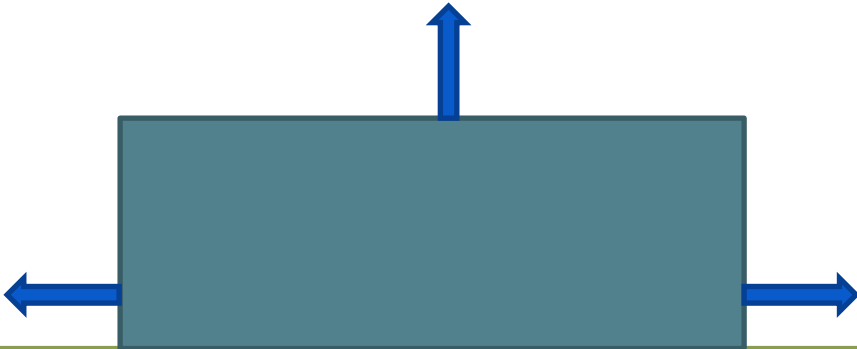
EUBOILER = EUBOILER



Release Points

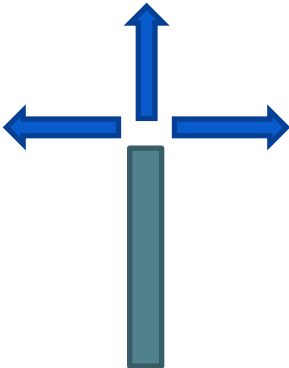
Emission Unit Stack(s)

+ Emission Unit Stack



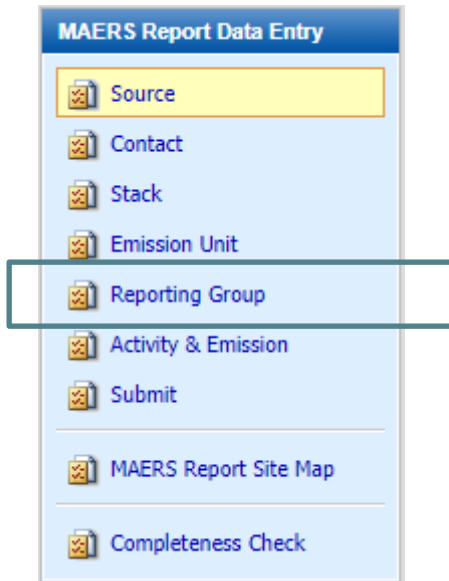
Emission Unit Stack(s)

+ Emission Unit Stack
SV005

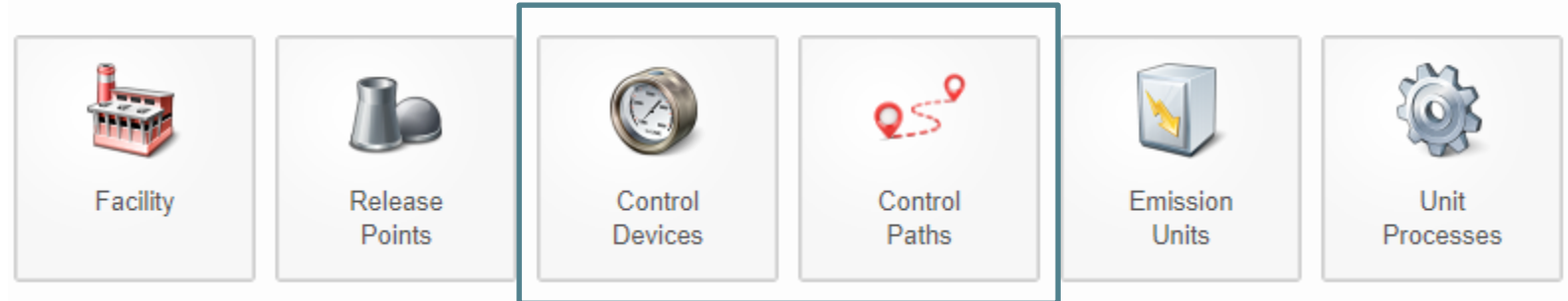


Transitioning

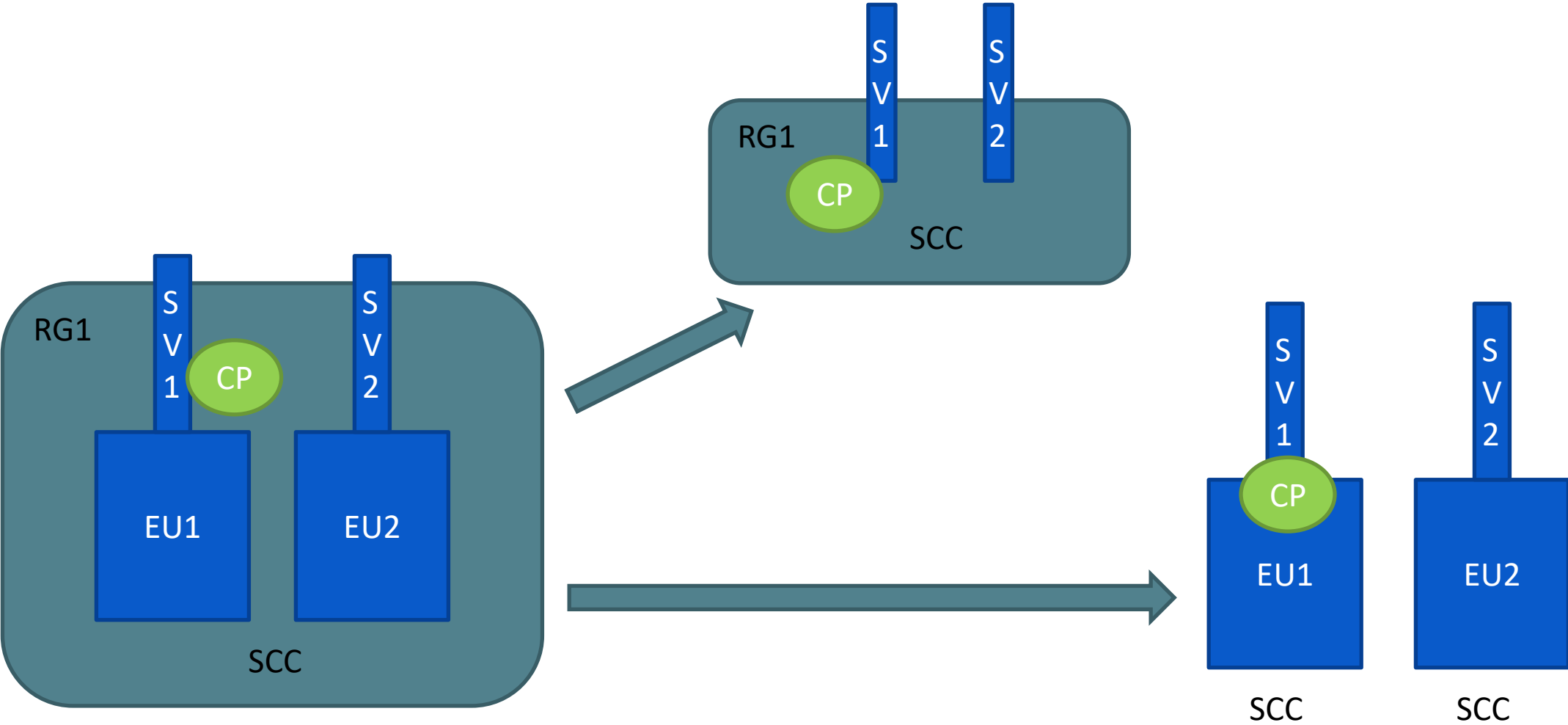
- MAERS vs MiEnviro Portal (Emissions Reporting Component)



Master Facility Inventory



Reporting Group Removal

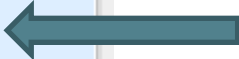


Control Devices – Codes in MAERS

MAERS Report Data Entry

- Source
- Contact
- Stack
- Emission Unit**
- Reporting Group
- Activity & Emission
- Submit

- MAERS Report Site Map
- Audit Documentation Tabs
- Completeness Check



Control Device(s)

+ Control Device Code

✖ SPRAY TOWER ▾

Control Device(s)

+ Control Device Code

Activity & Emissions Information

Activity Detail | **Emissions** | Attachment

Emission List +



	Pollutant	Annual Emission	Unit	Emission Basis	Emission Factor	Exponent	Emission Factor Unit	Control Efficiency (%)	System Calculated Value	Use System Calculated Value
	✓ PM10,FLTRBLE ▾	1710	LB	MAERS EmissionFactor ▾	5	-2	LB/TON	80	1,710.00 LB	<input checked="" type="checkbox"/>

Control Devices - SCT

- 8 Tabs (9th tab is hidden and only contains reference data)

1. EUs and Control Codes	2. Stacks	3. EU activities	4. OPTIONAL NOTES	5. CD and CP Reference	6. Control Device Pathway	7. Stack Apportionment	8. Control Efficiency
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- First Tab has control codes – matches MAERS

A	B	C	D	E
Emission Unit ID	Emission Unit Description	Reporting Group ID	Control Code	Control Code Description
EUASH	Ash handling system.		FLTR,FABRIC	Fabric Filter

- Tab 5 creates reference lists of control devices and control pathways

A	B	C	D	E	F	G	H	I	J
AQD CD I	Control Device ID	Control Code	Control Code Description	Control Device Comments			AQD CP II	Control Device Pathway ID	Control Device Pathway Description
CD0001	CDFLTR1	FLTR,FABRIC	Fabric Filter	Fabric filter for Boiler 3		2		(None)	This is ONLY for Tab 7 use.
CD0002	CDFLTR2	FLTR,FABRIC	Fabric Filter	Filter on coal handling vent.		3	CP0001	CPASH1	Control pathway for the ash transfer tank.

Control Devices - SCT

- Tab 6 puts control devices into control pathways


A	B	C	D	E	F
Control Device Pathway ID	Control Device Pathway Description	Control Device ID	Child Pathway ID	Sequence	Control Device Apportionment
CPASH1	Control pathway for the ash transfer	CDFLTR19		1	100.00%

- Tab 7 connects the control pathway created in the previous tabs back to an EU

A	B	C	D	E	F
Emission Unit ID	Reporting Group ID	Activity ID	Control Device Pathway ID	Stack ID/Release Point	Stack Apportionment
EUASH		30500901	CPASH1	SVASH1	50.00%
EUASH		30500901	CPASH2	SVASH2	50.00%
EUAUXBLR2		10300602	CPAUXBLR2	SVAUXBLR12	100.00%

- Tab 8 assigns control efficiencies to specific control devices or pathways

A	B	C	D	E	F
Control Device ID	Control Device Pathway ID	Pollutant Name	CAS Number	% Reduction Efficiency	Comments
CDFLTR1		PM10,FLTRBLE		95.00%	Default CE%



Control Devices – MiEnviro Portal

Control Devices

Control Device

Additional Information

Identifier:

CD0005

Description:

boiler LNB

Status:

OP - Operating

Status Year:

Control Measure:

205 - Low NOx Burner (LNB)

Effectiveness/Uptime %

Controlled Pollutants:

NOX

50

%

Nitrogen Oxides

Related Control Paths:

[CDP0003 - Boiler Control](#)

Control Devices – MiEnviro Portal

Control Paths

Control Path

Additional Information

? Identifier:

CDP0003

? Name:

CDPBoiler

? Description:

Boiler Control

? Uptime/Effectiveness:

%

Control Path Segments:

? Sequence

? Control Device or Control Path (sub-path)

? Avg. % Emission Flow



1

Path
 Device

CD0005 - boiler LNB

100.00

Related Unit Processes:

EU0002 - Test Boiler, 10200601 - Nat Gas boiler

Control Devices – MiEnviro Portal

Unit Processes

Unit Process | Release Point Apportionment | Additional Information

? **Process Identifier:**
10200601

? **Emission Unit Identifier:**
EU0002 - Test Boiler

? **SCC:**



Code:
10200601 ~ or ~

- External Combustion
- Industrial: Boilers
- Natural Gas
- > 100 Million BTU/hr

Unit Processes

Unit Process | **Release Point Apportionment** | Additional Information

? **Release Point Apportionment:**

Release Point	Control Path	%
 FUG001 - Fugitive Release <input type="checkbox"/> Not Controlled	 CDP0003 - Boiler Control	100

Control Devices – MiEnviro Portal

Process Emissions

Process	Operations	Emissions	
Pollutant:	Emis. Factor (Lbs/Unit):	Emis. Factor UOM:	Calculation Method:
▼ NOX	190	E6FT3	28-WF - USEPA WebFIRE EF (pre-control)
? Pollutant Code:	<input type="text" value="NOX - Nitrogen Oxides"/>		? Calculation Method:
			<input type="text" value="28-WF - USEPA WebFIRE EF (pre-control)"/>
? Emission Factor (Lbs/Unit): <input type="text" value="190"/>			? Emission Factor Unit:
			<input type="text" value="E6FT3 - MILLION CUBIC FEET"/>
? Estimated Emissions (Tons):	<input type="text" value="9.5"/>		? Overall Control Efficiency (%):
			<input type="text" value="0%"/>



RESOURCES

Website:

[Michigan.gov/MAERS](https://www.michigan.gov/MAERS)

Infomaers@Michigan.gov

Environmental Assistance Center

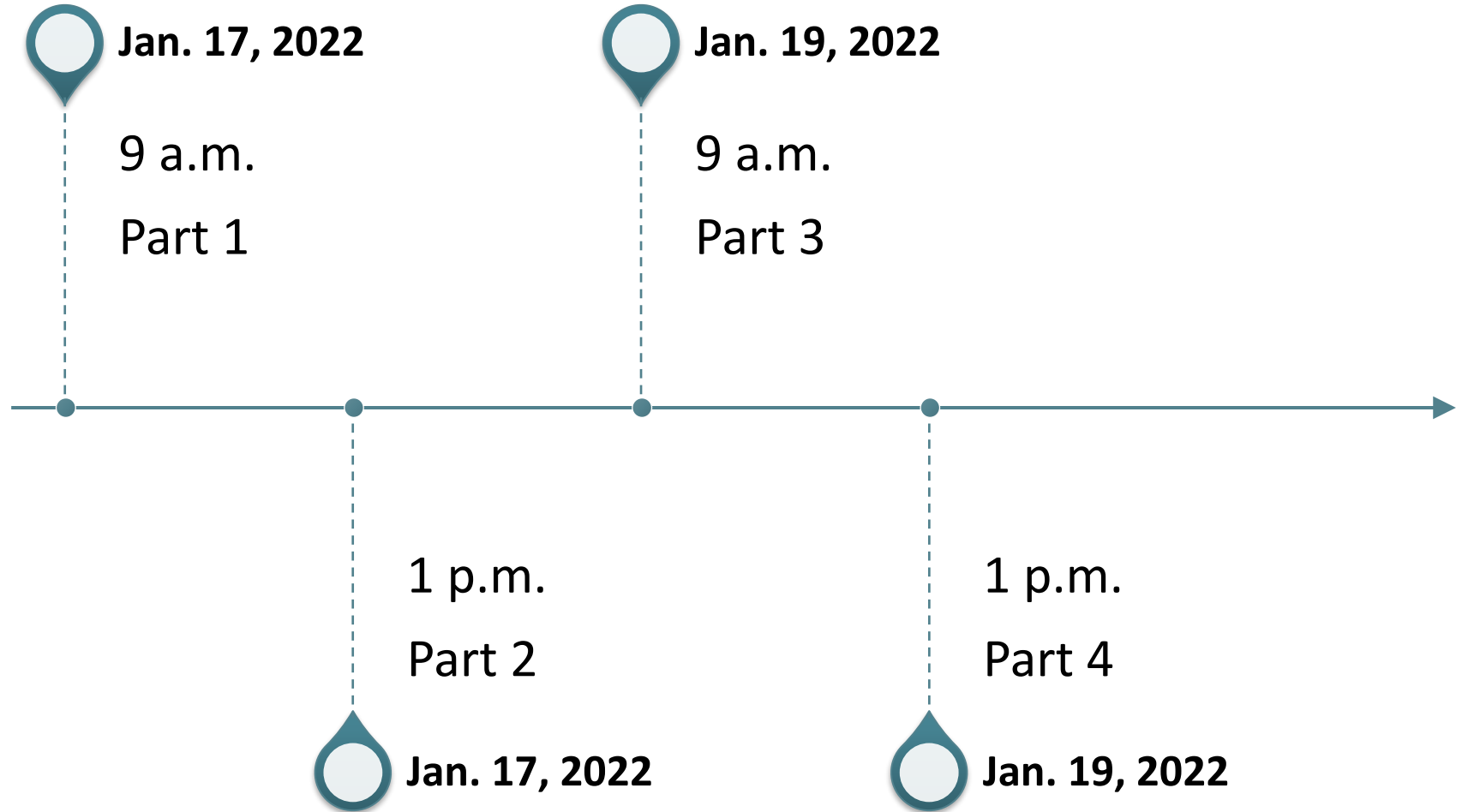
800-662-9278

District Inspector

Links for Key Online Resources

- MAERS Website: [Air Emissions Reporting \(michigan.gov\)](https://www.michigan.gov/maers)
 - MAERS Login: [MAERS \(state.mi.us\)](https://state.mi.us/maers)
- Transition Page: [2023 Air Emissions Reporting Update \(michigan.gov\)](https://www.michigan.gov/2023-air-emissions-reporting-update)
- Training Webinars:
 - [Review Webinar] [MAERS Review Webinar - 2022 - YouTube](https://www.youtube.com/watch?v=...)
 - [4-Part Series] [Introduction to MAERS Webinar Series \(michigan.gov\)](https://www.michigan.gov/maers-webinar-series)

Intro to MAERS Webinar Series



Thank you!