

# MAERS and HAPs

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# MAERS

## *What is MAERS data used for?*

- Fees
- Field Evaluations
- Permitting
- Overall State Inventory
  - ✓ Identify Program Needs
  - ✓ Assess Program Effectiveness
  - ✓ Modeling
- Overall National Inventory
  - ✓ Including Toxics
  - ✓ Rule Development
  - ✓ Public Information

# The MAERS Calculator

## Emission Unit

Material Throughput/Unit Code



Emission Factor (pollutant specific)



Control Efficiency (pollutant specific)



Emissions (pollutant specific)

# The MAERS Calculator

**Estimated Emissions =**

**Throughput \* Emission Factor  
\* (1-%Control)**

***{MAERS Emission Factor(s) Only!}***

# MAERS

## Report Management



Print MAERS Report



Fee Report



Other Reports

# MAERS SCC Report

Pollutant	SOURCE REPORTED EMISSIONS							AQD CALCULATED			
	Amount	Unit	Emiss Basis	Factor	Exp	Factor Unit	Cntl%	Tier	Pollutant	Amount	Unit
AMMONIA	0.000e+000	LB	Other						AMMONIA		LB
CO	4581.0000	LB	Other						CO		LB
LEAD	0.6000	LB	Other				95		LEAD		LB
NOX	29767.0000	LB	Other			LB/TON			NOX	228070.400LB 0	
PM10,FLTRBLE	1197.0000	LB	Other				95		PM10,FLTRBLE		LB
PM2.5,FLTRBL	1047.0000	LB	Other				95		PM2.5,FLTRBL		LB
SO2	2677.0000	LB	Other			LB/TON			SO2	61849.6000LB	
VOC	260.0000	LB	Other			LB/TON			VOC	77312.0000LB	
ACETALDEHYDE		LB						5	ACETALDEHYDE	66.7976	LB
ARSENIC		LB						3	ARSENIC	6.6392	LB
BENZENE		LB						5	BENZENE	2453.8829	LB
BERYLLIUM		LB						3	BERYLLIUM	0.03083	LB
CADMIUM		LB						3	CADMIUM	572.8819	LB

# MAERS Emission Factors

11 - 20 of 150 item(s)

	Pollutant Code ↑	Unit Code	Factor	Exp	Material Code	Unit Code	Control Device 1	Control Device 2	Emission Factor Type
<input type="radio"/>	AMMONIA	LB	5.65	-4	30084	LB/TON			Generic
	AMMONIA	LB	6.3	-1	30084	LB/TON	Carbon Injection		Generic
	AMMONIA	LB	3.1	-1	30084	LB/TON	SCR (Selective Catalytic Reduction)		Generic
	ANTHRACENE	LB	2.1	-7	30084	LB/TON	Any Control Device		Generic
<input type="radio"/>	ANTHRACENE	LB	2.1	-7	30084	LB/TON			State Specific Factors
	ANTIMONY	LB	1.8	-5	30084	LB/TON	Any Control Device		Generic
<input type="radio"/>	ANTIMONY	LB	1.116	-3	30084	LB/TON			State Specific Factors
	ARSENIC	LB	4.1	-4	30084	LB/TON	Any Control Device		Generic
<input type="radio"/>	ARSENIC	LB	2.542	-2	30084	LB/TON			State Specific Factors
	BENZ(A)ANTHR	LB	8	-8	30084	LB/TON	Any Control Device		Generic

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

# HAPs Matter!

ICIS-Air Source Classification	2015 TRI HAPs (Pounds)	2014 NEI HAPs (Pounds)
Major Emissions	0	5,616,098
Major Emissions	134,151	2,709,556
—	0	1,530,917
Major Emissions	244,997	703,887
Major Emissions	65,000	688,932
Major Emissions	703,000	599,872
Major Emissions	64,113	545,201
Major Emissions	0.0100	513,551



# In Closing...

- Thank you!
- Beware HAPs content;
- These are *your* reports;
- Consider reporting HAPs; *and/or*
- Enter Control Devices/Efficiencies

# In Closing...

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