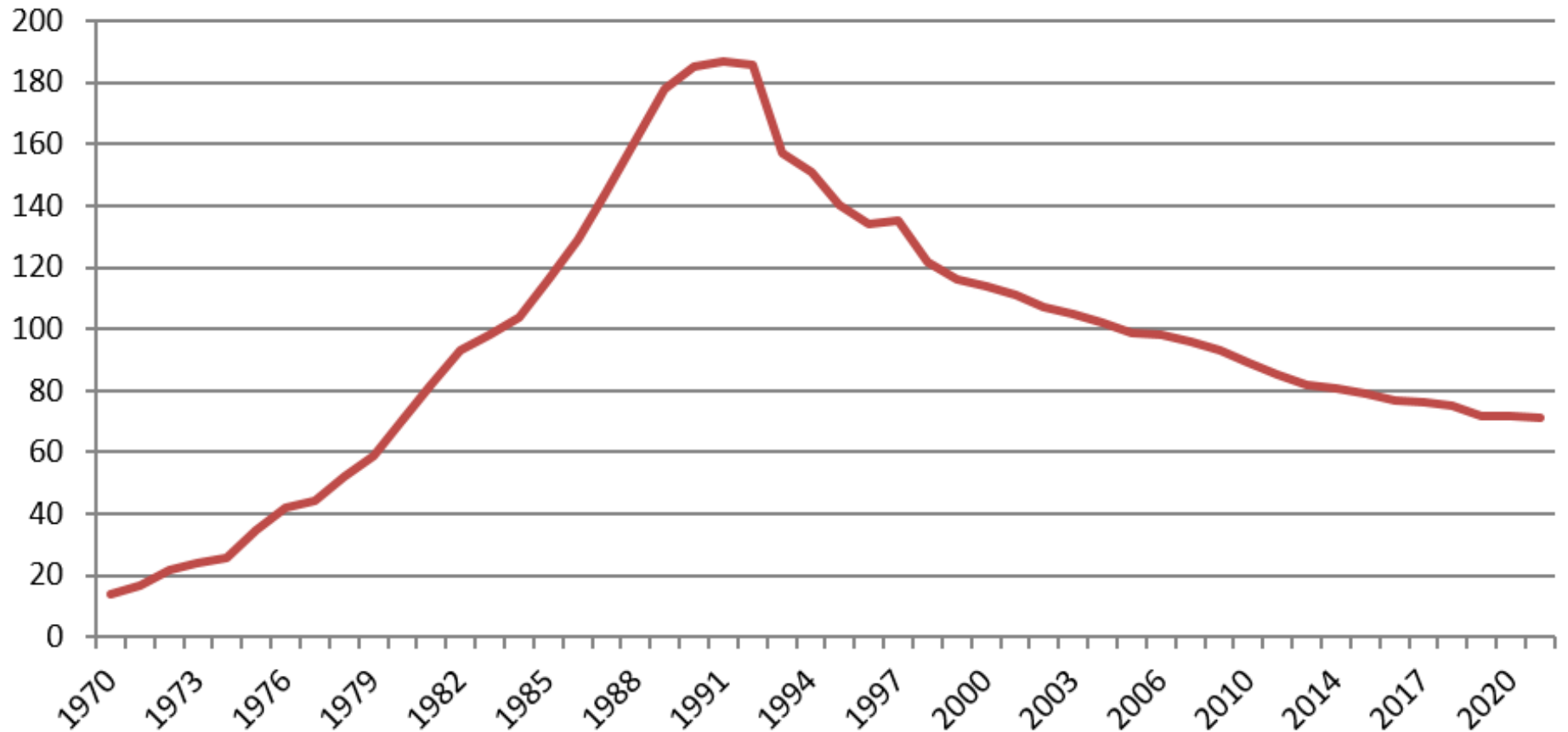




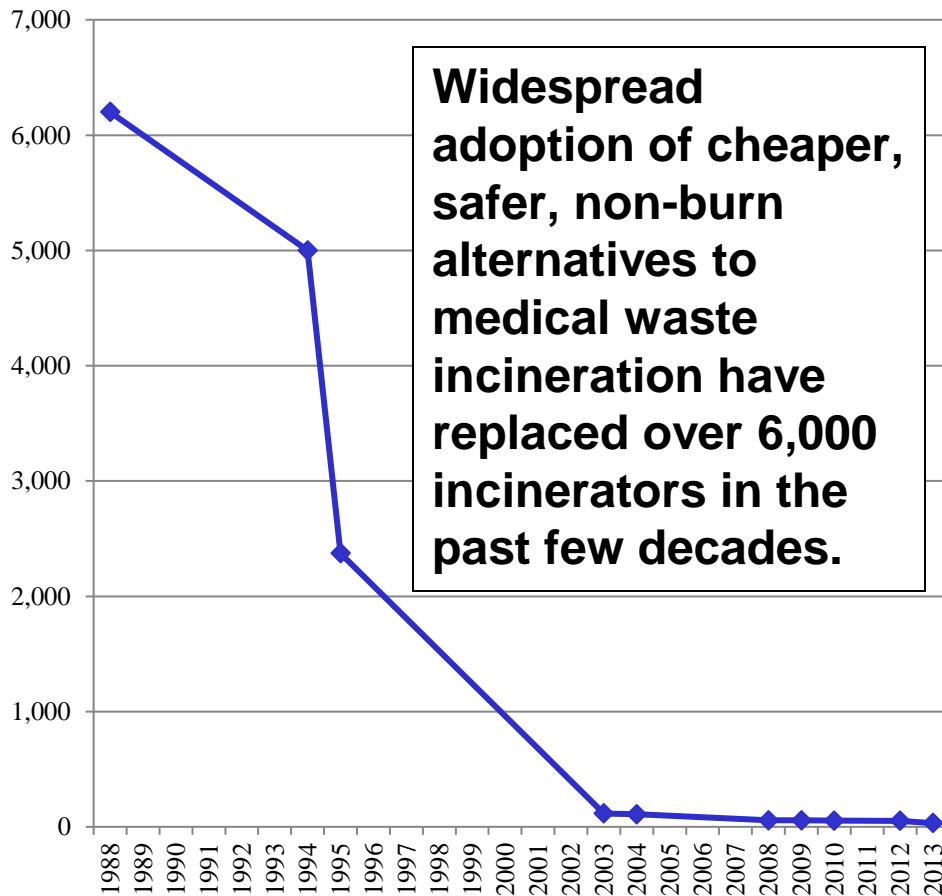
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Number of Operating Commercial Trash Incinerators in the U.S.



Number of Operating Medical Waste Incinerators in U.S.



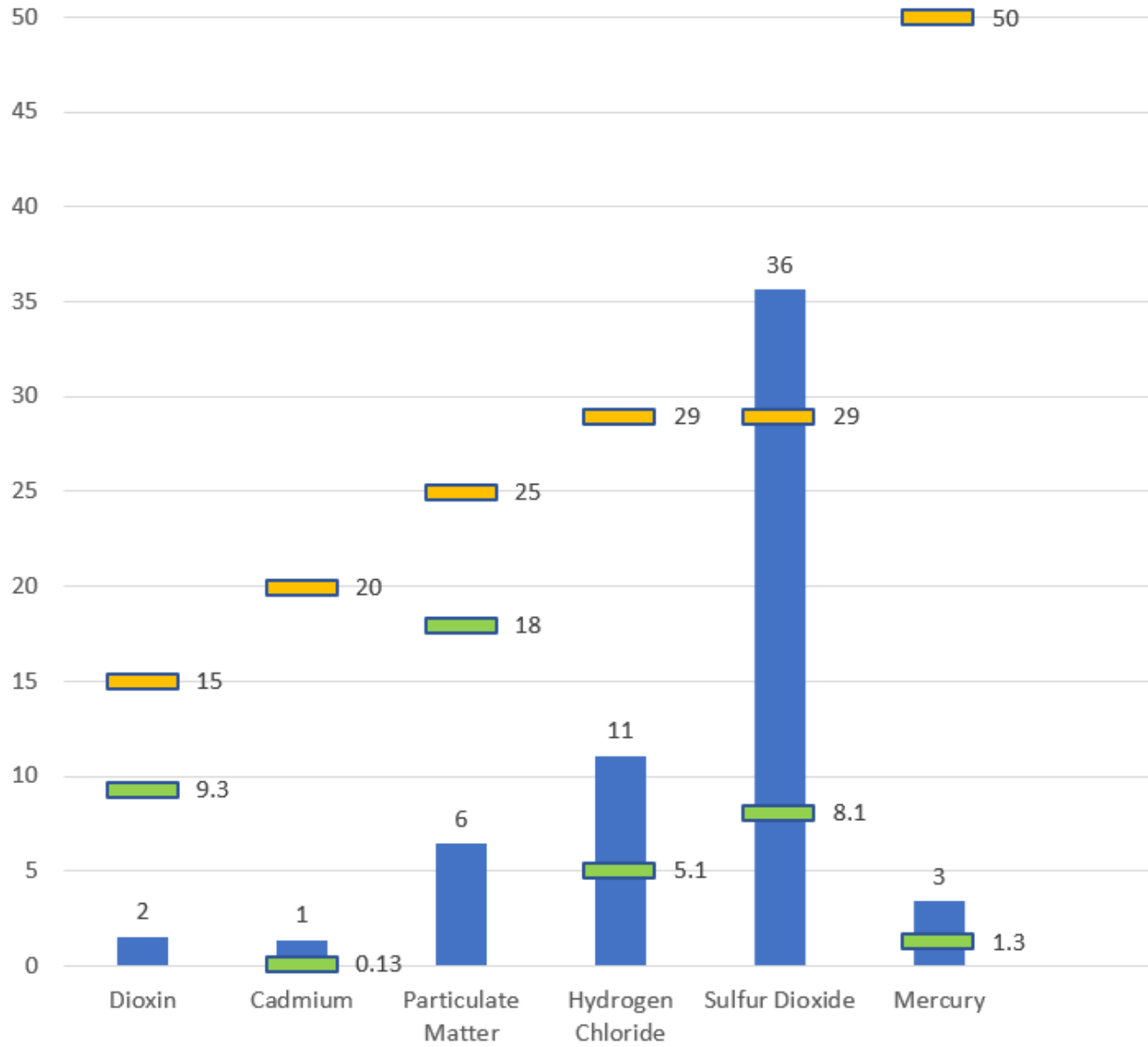
Year	Number of Incinerators	EPA Source Document
1988	6,200	Source
1994	5,000	Source
1995	2,373	Source
2003	116	Source
2004	110	(no longer online)
2008	57	Source
2009	57	Source
2010	54	(no longer online)
2012	53	Source
2013	33	Source

Covanta Marion is the 4th Largest Medical Waste Incinerator in U.S.

Company	Location	Maximum Capacity (tons/year)	Average Capacity (tons/year)
Curtis Bay Energy	Baltimore, MD	73,000	25,696
Waste Management Resource Recovery and Recycling Center	Anahuac, TX	36,500	29,215
Covanta Huntsville	Huntsville, AL	22,000	“north of 10,000”
<u>Covanta Marion</u>	<u>Brooks, OR</u>	<u>18,000</u>	<u>11,500</u>
Covanta Lake	Okahumpka, FL	17,000	~5,000
Stericycle	Haw River, NC	16,740	12,952
Stericycle	Clinton, IL	13,140	10,922
Stericycle	Salt Lake City, UT	10,950	6,553
Stericycle	Apopka, FL	7,980	6,831
Stericycle	Kansas City, KS	6,570	3,971
Stericycle	Warren, OH	5,913	4,065

Sources: U.S. Environmental Protection Agency, Covanta, Stericycle, Maryland Dep’t of the Environment

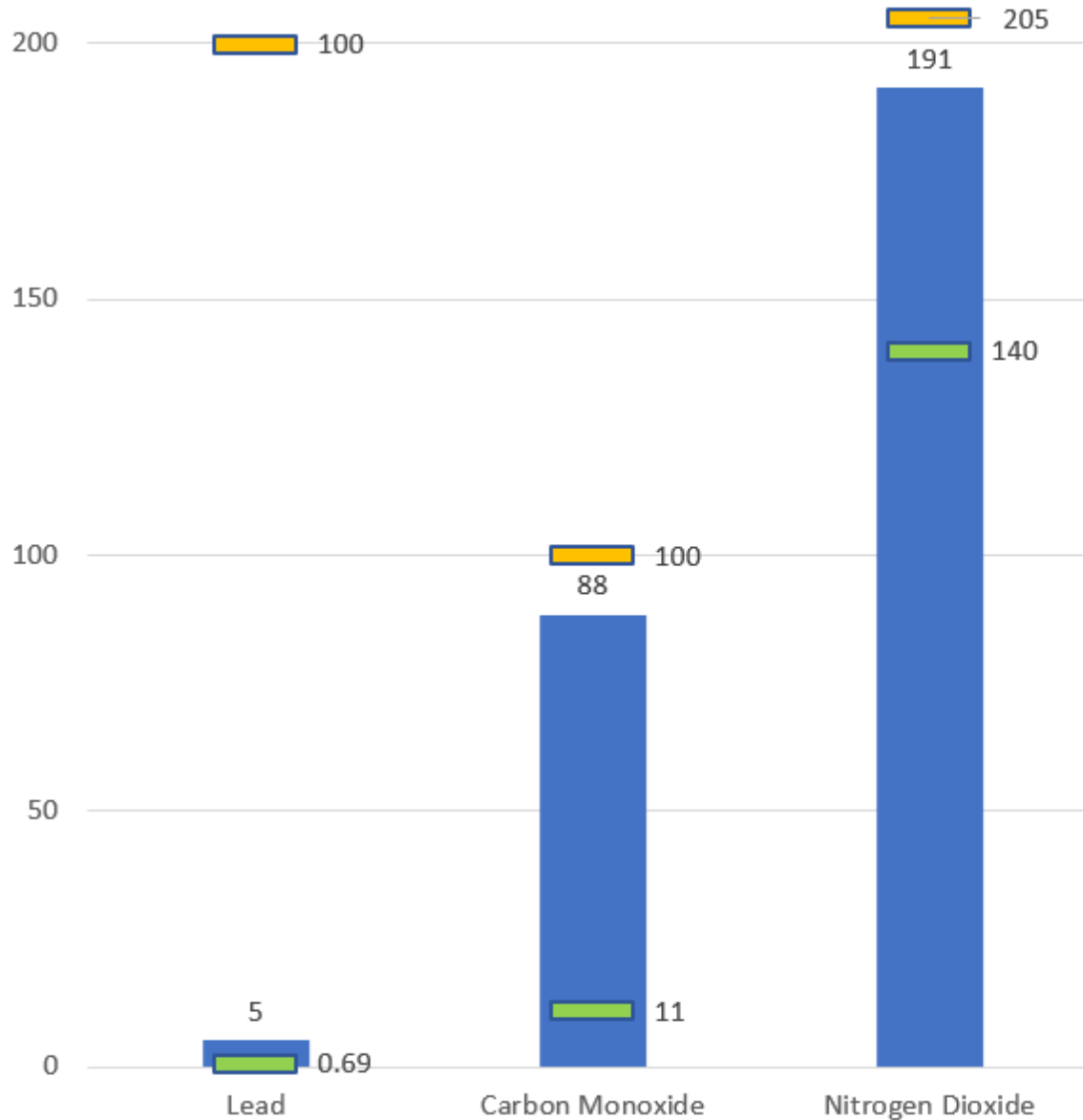
Covanta Marion 2013-2019 average emissions (blue) vs. OR trash incinerator permit limits (yellow) and federal limits for new medical waste incinerators (green)



Sources: State and federal regulations; Covanta Marion emissions averages

Units vary by pollutant. Dioxin is in ng/m³, cadmium and mercury are in µg/m³, PM is in mg/m³, and HCl and SO_x are in parts per million (ppm)

Covanta Marion 2013-2019 average emissions (blue) vs. OR trash incinerator permit limits (yellow) and federal limits for new medical waste incinerators (green)



Sources: State and federal regulations; Covanta Marion emissions averages

Units vary by pollutant. Lead is in $\mu\text{g}/\text{m}^3$, CO and NO_x are in parts per million (ppm)

Types of Medical Waste and the safest treatment options:

“Red bag” Medical Waste: Autoclave or chem-clav

Pathological waste (tissue & body parts): alkaline hydrolysis

Pharmaceutical waste: Supercritical Water Oxidation (SCWO)

Chemotherapeutic / hazardous waste: Supercritical Water Oxidation (SCWO) or hazardous waste landfill

Radioactive waste: "low-level" radioactive waste landfill
[not allowed in a trash incinerator, anyway]