

Blue Ridge Environmental Defense League

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Reductions of emissions at Stericycle under the new EPA limits

Table A compares the US Environmental Protection Agency's new Emission Guidelines with proposed North Carolina emission limits permitted under applicable regulations, NCAC 2D .1206 Limits for Hospital, Medical, and Infectious Waste Incinerators, for Stericycle's Permit No. 05896T18.

Table A. Comparison EPA and NC Pollution Standards

	Units	NC 2D .1206 (old)	EPA EG (new)	Percent (%) reduction under new EPA standards
Particulate matter	mg/dscm	34	25	27%
Carbon monoxide	ppmv	40	11	73%
Dioxins/furans	ng/dscm	125	9.3	93%
Dioxins/furans toxic equivalency	ng/dscm	2.3	0.054	98%
Hydrogen chloride	ppmv	100	6.6	93%
Sulfur dioxide	ppmv	55	9.0	84%
Nitrogen dioxide	ppmv	250	140	44%
Lead	mg/dscm	1.2	0.036	97%
Cadmium	mg/dscm	0.16	0.0092	94%
Mercury	mg/dscm	0.55	0.018	97%
Visible Emissions	percent	10%	6%	40%

The percentage column compares the two standards; in every case, the EPA's new standards for existing incinerators would be stricter than the proposed NC standards as applied to the Stericycle permit, and would result in decreased emissions of toxic air pollutants.