

Halogen Emissions Amendments

2025 GENERAL SESSION

STATE OF UTAH

Chief Sponsor: Andrew Stoddard

Senate Sponsor:

LONG TITLE**General Description:**

This bill addresses major sources of halogen emissions.

Highlighted Provisions:

This bill:

- defines terms;
- requires a major halogen source to adopt control technologies;
- requires a major halogen source to modify an operating permit and air quality permit to meet certain requirements;
- requires the Division of Air Quality to submit an annual report on halogen emissions to the Natural Resources, Agriculture, and Environmental Interim Committee; and
- makes technical and conforming changes.

Money Appropriated in this Bill:

None

Other Special Clauses:

None

Utah Code Sections Affected:

AMENDS:

19-2a-107, as enacted by Laws of Utah 2023, Chapter 143

Be it enacted by the Legislature of the state of Utah:

Section 1. Section **19-2a-107** is amended to read:

19-2a-107 . Point source pollution of halogens -- Control technology required --

Permit modifications -- Annual report.

(1) As used in this section:

[(a) "Applicable geographic area" means the following counties:]

[(i) Box Elder County;]

[(ii) Davis County;]

- 31 ~~[(iii) Salt Lake County;]~~
 32 ~~[(iv) Tooele County;]~~
 33 ~~[(v) Utah County; and]~~
 34 ~~[(vi) Weber County.]~~
- 35 (a) "Chlorine bypass scrubber" means a scrubber that uses ferrous chloride to remove
 36 chlorine gas.
- 37 (b) "Chlorine reduction burner" means a system that uses a natural gas flame and a
 38 scrubber to convert chlorine gas into hydrochloric acid gas for removal from a gas
 39 stream.
- 40 ~~[(b)]~~ (c) "Division" means the Division of Air Quality created in Section 19-1-105.
- 41 (d) "Major halogen source" means a facility, building, structure, or installation that has
 42 the potential to emit 3,000 tons or more of a halogen per year from the smelting,
 43 mining, or extracting of magnesium.
- 44 (e) "Scrubber" means a device that removes a pollutant from a gas stream by spraying a
 45 liquid into the gas stream to dissolve or react with the pollutant.
- 46 ~~[(2) By no later than December 31, 2024, the division shall complete:]~~
- 47 ~~[(a) an air emissions inventory of point sources in the applicable geographic area that~~
 48 ~~emit halogens;]~~
- 49 ~~[(b) a best available control technology emissions reduction plan to reduce the~~
 50 ~~compounds of halogens in the applicable geographic area, with an implementation~~
 51 ~~date of December 31, 2026; and]~~
- 52 ~~[(e) recommendations for a state standard limiting halogen emissions.]~~
- 53 ~~[(3) Upon completion, the division shall publish the air emissions inventory, the best~~
 54 ~~available control technology emissions reduction plan, and the recommendations on~~
 55 ~~standards required under Subsection (2) on the division's public website.]~~
- 56 (2) By no later than December 31, 2026, a major halogen source shall submit to the division
 57 a notice of intent to modify an existing air permit to:
- 58 (a) maintain a connection between a chlorine reduction burner and a chlorine bypass
 59 scrubber; and
- 60 (b) operate a chlorine bypass scrubber or chlorine reduction burner at maximum
 61 potential.
- 62 (3)(a) The division shall modify an operating permit under Section 19-2-109.1 for a
 63 major halogen source to:
- 64 (i) remove a maintenance limit; and

- 65 (ii) establish ongoing annual emissions testing for halogen emissions, including
66 emissions related to bromine, chlorine, and fluorine.
- 67 (b) The division shall modify an operating permit described in Subsection (3)(a) only
68 after all underlying requirements have been modified as required under Title V of the
69 federal Clean Air Act, including:
- 70 (i) an underlying air permit issued by the division under the New Source Review
71 program described in 42 U.S.C. Secs. 7471 to 7514a; and
- 72 (ii) a modification of the Maximum Achievable Control Technology standards
73 described in 42 U.S.C. Sec. 7412(g).
- 74 (4)(a) The division shall submit a halogen emissions report to the Natural Resources,
75 Agriculture, and Environment Interim Committee on or before October 31 of each
76 year.
- 77 (b) The report described in Subsection (4)(a) shall include:
- 78 (i) the status of halogen emissions in this state;
- 79 (ii) the effectiveness of the controls described in Subsection (2); and
- 80 (iii) recommendations, if any, from the division for legislative action to address
81 halogen emissions.
- 82 ~~[(4) The division shall report to the Natural Resources, Agriculture, and Environment~~
83 ~~Interim Committee regarding the status of the air emissions inventory, the best available~~
84 ~~control technology emissions reduction plan, and the recommendations for a standard:]~~
- 85 ~~[(a) on or before the 2023 November interim committee meeting of the Natural~~
86 ~~Resources, Agriculture, and Environment Interim Committee; and]~~
- 87 ~~[(b) on or before the 2024 November interim committee meeting of the Natural~~
88 ~~Resources, Agriculture, and Environment Interim Committee.]~~
- 89 Section 2. **Effective Date.**
- 90 This bill takes effect on May 7, 2025.