

Final-Form Rulemaking: Administration of the Land Recycling Program – Chromium (VI)

Environmental Quality Board
April 14, 2026





Purpose

- Update the toxicity value chromium (VI) using current scientific data
- Correct an error identified in the residential soil direct contact value from prior rulemaking
- Revise the corresponding Medium-Specific Concentrations, or MSCs, under the Statewide Health Standard to reflect these updates



Background

- EPA published new toxicity values for chromium (VI) in its Integrated Risk Information System (IRIS) on August 1, 2024.
- Correction needed to add mutagenic factors into residential soil direct contact calculation that was previously not included.



Toxicity Value Updates – Table 5B

Chromium (IV) Toxicity Values				
	Current value	Source	Updated value	Source
RfDo (mg/kg-day) Oral Reference Dose	0.003	I	0.0009	I
RfCi (mg/m ³) Inhalation Reference Concentration	8 x 10 ⁻⁶	I	3 x 10 ⁻⁵	I
CSFo (mg/kg-day) ⁻¹ Oral Cancer Slope Factor	0.5	C	0.16	I
IUR (µg/m ³) ⁻¹ Inhalation Unit Risk	1.2 x 10 ⁻²	I	1.1 x 10 ⁻²	I



MSC Value Updates – Table 4A

- Residential soil direct contact value decreases from 37 mg/kg to 27 mg/kg
- Nonresidential soil direct contact value increases from 180 mg/kg to 570 mg/kg



Pennsylvania
Department of
Environmental Protection

Advisory Committee Review

- Proposed rule was reviewed by the Cleanup Standards Scientific Advisory Board (CSSAB) on October 30, 2024
- Draft final rule and comment responses reviewed by CSSAB on October 22, 2025



Public comments

- Proposed rule published in the *Pennsylvania Bulletin* on June 28, 2025
- Public comment period closed July 28, 2025
- Five public comments received
- All comments were supportive of the rulemaking
- No comments received from IRRC



Pennsylvania
Department of
Environmental Protection

Recommendation

DEP recommends the Board adopt this final-form regulation.

Questions?

Kris Shiffer
Director
**Bureau of Environmental
Cleanup and Brownfields**
...
kshiffer@pa.gov

Ali Tarquino Morris
Deputy Secretary
**Office of Waste, Air,
Radiation and
Remediation**
...
altarquino@pa.gov

Lindsay Williamson
Assistant Counsel
**Bureau of Regulatory
Counsel**
...
lindsawill@pa.gov

The Department of Environmental Protection's mission is to protect Pennsylvania's air, land and water resources and to provide for the health and safety of its residents and visitors, consistent with the rights and duties established under the Environmental Rights Amendment (Article 1, Section 27 of the Pennsylvania Constitution).