



MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY

Josh Mosher, Assistant Division Director
Remediation and Redevelopment Division
517-897-7267 | mosherj1@michigan.gov

Overview

PFAS generic groundwater cleanup criteria

Cleanup Program
Priorities/initiatives

Organizational changes

Technology updates

Request for Rulemaking

✓ 1/15/2021

PFAS Criteria Rules



Draft Rules Published

✓ 4/19/2021



ERRC

✓ 4/28/2021



Public Hearing Process

✓ 7/8/2021



Public Comment Period

✓ 8/9/2021



Final Draft Rules submitted to JCAR

✓ 11/22/2021



Promulgated Rules

✓ 2/15/2022

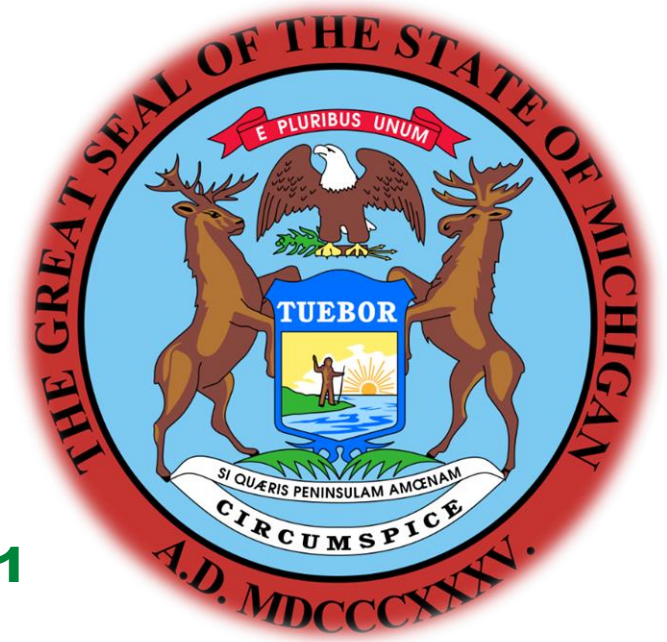


TABLE 1a. PER- AND POLYFLUOROALKYL SUBSTANCES
GROUNDWATER: RESIDENTIAL AND NONRESIDENTIAL
PART 201 GENERIC CLEANUP CRITERIA AND SCREENING LEVELS

All criteria, unless otherwise noted, are expressed in units of parts per billion (ppb). One ppb is equivalent to 1 microgram per liter (ug/L). Criteria with 6 or more digits are expressed in scientific notation. For example, 200,000 is presented as 2.0E+5. A footnote is designated by a letter in parentheses and is explained in the footnote pages that follow the criteria tables. Pursuant to section 20120a(10) of the act, MCL 324.20120a, when the risk-based criterion is less than the target detection limit (TDL), the TDL is listed as the criterion. In these cases, 2 numbers are present in the cell. The first number is the criterion (i.e., TDL), and the second number is the risk-based or solubility value, whichever is lower.

Hazardous Substance	Chemical Abstract Service Number	Residential Drinking Water Criteria	Nonresidential Drinking Water Criteria	Groundwater Surface Water Interface Criteria	Residential Groundwater Volatilization to Indoor Air Inhalation Criteria	Nonresidential Groundwater Volatilization to Indoor Air Inhalation Criteria	Water Solubility	Flammability and Explosivity Screening Level
Hexafluoropropylene oxide dimer acid	13252136	0.37 (A)	0.37 (A)	NA	ID	ID	NA	NA
Perfluorobutane sulfonic acid	375735	0.42 (A)	0.42 (A)	NA	ID	ID	NA	NA
Perfluorohexane sulfonic acid	355464	0.051 (A)	0.051 (A)	NA	ID	ID	NA	NA
Perfluorohexanoic acid	307244	400 (A)	400 (A)	NA	ID	ID	NA	NA
Perfluorononanoic acid	375951	0.006 (A)	0.006 (A)	NA	ID	ID	NA	NA
Perfluorooctanoic acid (DD)	335671	0.008 (A)	0.008 (A)	12 (X)	ID	ID	9.50E+06	NA
Perfluorooctane sulfonic acid (DD)	1763231	0.016 (A)	0.016 (A)	0.012 (X)	NLV	NLV	3.1	NA

Program Priorities

LUST Closure Goal

- Decrease backlog of open LUST sites by 25%

Sites with unknown risk category

- Assess and categorize risk at over 11,000 sites with unknown levels of risk (long-term effort)

Program guidance

- Volatilization to Indoor Air
 - Updating guidance and checklists
 - Collecting data on Mercury Vapor (fill)
- Direct Contact
 - Consistent expectations for exposure barriers

Organizational Changes

New Detroit Office

- Warren Office (Oakland, Macomb, St. Clair)
- Detroit Office (Wayne and Detroit)
- Provide additional staff in SE

Technical Support Unit

- Consolidate Specialists and TAPS under single unit within Field Operations

Technology

RIDE Site Database

- Consolidation of Part 201 and Part 213 Site databases
- Electronic submittals
- Public portal for site documents

Electronic Document Management

- Convert all site files to electronic format and make publicly accessible through online database (RIDE) Portal

Questions?



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