

Comparing:
Agency Proposed vs. JCAR r01

~~ILLINOIS REGISTER~~

JCAR350620-2505707r01

~~POLLUTION CONTROL BOARD
NOTICE OF PROPOSED AMENDMENT~~

TITLE 35: ENVIRONMENTAL PROTECTION
SUBTITLE F: PUBLIC WATER SUPPLIES
CHAPTER I: POLLUTION CONTROL BOARD

PART 620
GROUNDWATER QUALITY

SUBPART A: GENERAL

Section	
620.105	Purpose
620.110	Definitions
620.115	Prohibition
620.125	Incorporations by Reference
620.130	Exemption from General Use Standards and Public and Food Processing Water Supply Standards
620.135	Exclusion for Underground Waters in Certain Man-Made Conduits

SUBPART B: GROUNDWATER CLASSIFICATION

Section	
620.201	Groundwater Designations
620.210	Class I: Potable Resource Groundwater
620.220	Class II: General Resource Groundwater
620.230	Class III: Special Resource Groundwater
620.240	Class IV: Other Groundwater
620.250	Groundwater Management Zone
620.260	Reclassification of Groundwater by Adjusted Standard

SUBPART C: NONDEGRADATION PROVISIONS
FOR APPROPRIATE GROUNDWATERS

Section	
620.301	General Prohibition Against Use Impairment of Resource Groundwater
620.302	Applicability of Preventive Notification and Preventive Response Activities
620.305	Preventive Notification Procedures
620.310	Preventive Response Activities

SUBPART D: GROUNDWATER QUALITY STANDARDS

Section

~~POLLUTION CONTROL BOARD
NOTICE OF PROPOSED AMENDMENT~~

620.401	Applicability
620.405	General Prohibitions Against Violations of Groundwater Quality Standards
620.410	Groundwater Quality Standards for Class I: Potable Resource Groundwater
620.420	Groundwater Quality Standards for Class II: General Resource Groundwater
620.430	Groundwater Quality Standards for Class III: Special Resource Groundwater
620.440	Groundwater Quality Standards for Class IV: Other Groundwater
620.450	Alternative Groundwater Quality Standards

SUBPART E: GROUNDWATER MONITORING AND ANALYTICAL PROCEDURES

Section	
620.505	Compliance Determination
620.510	Monitoring and Analytical Requirements

SUBPART F: HEALTH ADVISORIES

Section	
620.601	Purpose of a Health Advisory
620.605	Issuance of a Health Advisory
620.610	Publishing Health Advisories
620.615	Additional Health Advice for Mixtures of Similar-Acting Substances
620.APPENDIX A	Procedures for Determining Human Toxicant Advisory Concentrations for Class I: Potable Resource Groundwater
620.APPENDIX B	Procedures for Determining Hazard Indices for Class I: Potable Resource Groundwater for Mixtures of Similar-Acting Substances
620.APPENDIX C	Guidelines for Determining When Dose Addition of Similar-Acting Substances in Class I: Potable Resource Groundwaters is Appropriate
620.APPENDIX D	Information Required for Groundwater Management Zone Application under 35 Ill. Adm. Code 620.250(b) and Corrective Action Completion Certification under 35 Ill. Adm. Code 620.250(d)
620.APPENDIX E	Similar-Acting Substances
620.TABLE A	Similar-Acting Noncarcinogenic Constituents
620.TABLE B	Similar-Acting Carcinogenic Constituents

AUTHORITY: Implementing and authorized by Section 8 of the Illinois Groundwater Protection Act [415 ILCS 55/8] and authorized by Section 27 of the Illinois Environmental Protection Act [415 ILCS 5/27].

~~POLLUTION CONTROL BOARD~~
~~NOTICE OF PROPOSED AMENDMENT~~

SOURCE: Adopted in R89-14(B) at 15 Ill. Reg. 17614, effective November 25, 1991; amended in R89-14(C) at 16 Ill. Reg. 14667, effective September 11, 1992; amended in R93-27 at 18 Ill. Reg. 14084, effective August 24, 1994; amended in R96-18 at 21 Ill. Reg. 6518, effective May 8, 1997; amended in R97-11 at 21 Ill. Reg. 7869, effective July 1, 1997; amended in R01-14 at 26 Ill. Reg. 2662, effective February 5, 2002; amended in R08-18 at 36 Ill. Reg. 15206, effective October 5, 2012; amended in R08-18(B) at 37 Ill. Reg. 16529, effective October 7, 2013; amended in R22-18 at 49 Ill. Reg. 4488, effective March 28, 2025; amended in R25-23 at 49 Ill. Reg. _____, effective _____.

SUBPART A: GENERAL

Section 620.125 Incorporations by Reference

- a) The Board incorporates the following material by reference:

ASTM International. 100 Barr Harbor Drive, PO Box C700, West Conshohocken, PA 19428-2959 (610) 832-9500.

"Standard Practice for Classification of Soils for Engineering Purposes (Unified Classification System)" ASTM D2487-06.

"Standard Test Method for Determination of Per- and Polyfluoroalkyl Substances in Water, Sludge, Influent, Effluent, and Wastewater by Liquid Chromatography Tandem Mass Spectrometry (LC/MS/MS) ASTM D7979-20.

CFR (Code of Federal Regulations). Available from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402 (202) 783-3238.

Method Detection Limit Definition, appendix B to Part 136, 40 CFR 136, appendix B — Revision 2 (82 FR 40939, Aug. 28, 2017).

Control of Lead and Copper, general requirements, 40 CFR 141.80 (72 FR 57814, Oct. 10, 2007).

Maximum contaminant levels for organic contaminants, 40 CFR 141.61 (59 FR 34324, July 1, 1994).

~~POLLUTION CONTROL BOARD
NOTICE OF PROPOSED AMENDMENT~~

Maximum contaminant levels for inorganic contaminants, 40 CFR 141.62 (69 FR 38855, June 29, 2004).

Maximum contaminant levels for radionuclides, 40 CFR 141.66 (65 FR 76748, Dec. 7, 2000).

GPO. Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20401 (202) 783-3238.

USEPA Guidelines for Carcinogenic Risk Assessment, 51 Fed. Reg. 33992-34003 (September 24, 1986).

Illinois Environmental Protection Agency, at the address of the Illinois ~~EPA's~~EPA's headquarters as designated on the Illinois ~~EPA's~~EPA's website (217) 785-4787.

"Guidance Document for Groundwater Protection Needs Assessments", Agency, Illinois State Water Survey, and Illinois State Geologic Survey Joint Report, January 1995.

"Illinois Integrated Water Quality Report and Section 303(d) List, 2020/2022", Agency, June 2022.

"The Illinois Wellhead Protection Program Pursuant to Section 1428 of the Federal Safe Drinking Water Act", Agency, # 22480, October 1992.

Illinois Pollution Control Board, 60 E. Van Buren, Suite 630, Chicago, IL 60605 (312) 814-3669.

"Class III Groundwater Listing Notice Fogelpole Cave Nature Preserve", Environmental Register, No. 587, May 2003.

"Class III Groundwater Listing Notice Pautler Cave Nature Preserve and Stemler Cave Nature Preserve", Environmental Register, No. 611, May 2005.

"Class III Groundwater Listing Notice Armin Kruger Speleological Area", Environmental Register, No. 666, Dec. 2009.

"Class III Groundwater Listing Notice Cotton Creek Marsh Nature

~~POLLUTION CONTROL BOARD
NOTICE OF PROPOSED AMENDMENT~~

Preserve and Spring Grove Fen Nature Preserve", Environmental Register, No. 697, July 2012.

BOARD NOTE: The Environmental Register is a Board publication available on the Board's website at <https://pcb.illinois.gov/Resources/EnvironmentalRegister>. <https://pcb.illinois.gov/Resources/EnvironmentalRegister>.

NAS National Academy of Sciences, Engineering, and Medicine, 500 5th St. NW, Washington DC, 20001 (202) 334-2000.

"Water Quality Criteria 1972", EPA.R3.73-033, 1973.
<https://nepis.epa.gov>

NCRP. National Council on Radiation Protection, 7910 Woodmont Ave., Bethesda, MD (301) 657-2652.

"Maximum Permissible Body Burdens and Maximum Permissible Concentrations of Radionuclides in Air and in Water for Occupational Exposure", NCRP Report Number 22, June 5, 1959.

USEPA, 1200 Pennsylvania Avenue, N. W., Washington DC, 20460 (202) 564-4700.

"Low Stress (low flow) Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells", EPA Publication EQASOP-GW4, Region 1 Low-Stress (low flow) SOP Revision No. 4, July 30, 1996; revised September 19, 2017.

"Methods for Chemical Analysis of Water and Wastes", March 1983, Doc. No. PB84-128677. EPA 600/4-79-020 (available online at <http://nepis.epa.gov/>).

"Methods for the Determination of Inorganic Substances in Environmental Samples", August 1993, PB94-120821 (referred to as "USEPA Environmental Inorganic Methods"). EPA 600/R-93-100 (available online at <http://nepis.epa.gov/>).

"Methods for the Determination of Metals in Environmental Samples", June 1991, Doc. No. PB91-231498. EPA 600/4-91-010 (available online at <http://nepis.epa.gov/>).

~~POLLUTION CONTROL BOARD
NOTICE OF PROPOSED AMENDMENT~~

"Methods for the Determination of Metals in Environmental Samples – Supplement I", May 1994, Doc. No. PB95-125472. EPA 600/R-94-111 (available online at <http://nepis.epa.gov/>).

"Methods for the Determination of Organic Compounds in Drinking Water", Doc. No. PB91-231480. EPA/600/4-88/039 (December 1988 (revised July 1991)) (available online at <http://nepis.epa.gov/>).

"Methods for the Determination of Organic Compounds in Drinking Water, Supplement I", Doc. No. PB91-146027. EPA/600/4-90/020 (July 1990) (available online at <http://nepis.epa.gov/>).

"Methods for the Determination of Organic Compounds in Drinking Water, Supplement II", Doc. No. PB92-207703. EPA/600/R-92/129 (August 1992) (available online at <http://nepis.epa.gov/>).

"Methods for the Determination of Organic Compounds in Drinking Water, Supplement III", Doc. No. PB95-261616. EPA/600/R-95/131 (August 1995) (available online at <http://nepis.epa.gov/>).

"Methods for the Determination of Organic and Inorganic Compounds in Drinking Water" Volume I: EPA 815-R-00-014 (August 2000) (available online at <http://nepis.epa.gov/>).

"Prescribed Procedures for Measurement of Radioactivity in Drinking Water", Doc. No. PB80-224744. EPA 600/4-80-032, (August 1980) (available online at <http://nepis.epa.gov/>).

"Procedures for Radiochemical Analysis of Nuclear Reactor Aqueous Solutions", H.L. Krieger and S. Gold, Doc. No. PB222-154/7BA. EPA-R4-73-014, May 1973.

"Radiochemical Analytical Procedures for Analysis of Environmental Samples", March 1979, Doc. No. EMSL LV 053917.

**POLLUTION CONTROL BOARD
NOTICE OF PROPOSED AMENDMENT**

"Radiochemistry Procedures Manual", Doc. No. PB-84-215581.
EPA-520/5-84-006, December 1987.

"Selected Analytical Methods for Environmental Remediation and Recovery (SAM) 2017". Record last revision date February 10, 2020.

~~[https://cfpub.epa.gov/si/si_public_record_report.cfm?Lab=NHSRC
&dirEntryId=339252.](https://cfpub.epa.gov/si/si_public_record_report.cfm?Lab=NHSRC&dirEntryId=339252)~~

[https://cfpub.epa.gov/si/si_public_record_report.cfm?Lab=NHSRC
&dirEntryId=339252.](https://cfpub.epa.gov/si/si_public_record_report.cfm?Lab=NHSRC&dirEntryId=339252)

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", USEPA Publication No. SW-846, Third Edition, Final Updates I (1993), II (1995), IIA (1994), IIB (1995), III (1997), IIIA (1999), IIIB (2005), IV (2008), V (2015), VI Phase 1 (2017), VI Phase 2 (2018), VI Phase 3 (2019), and VII Phase 1 (2020).

~~[http://www.epa.gov/hw-sw846/sw-846-compendium.](http://www.epa.gov/hw-sw846/sw-846-compendium)~~ [http://www.e
pa.gov/hw-sw846/sw-846-compendium.](http://www.epa.gov/hw-sw846/sw-846-compendium)

USEPA, Office of Ground Water and Drinking Water, Standards and Risk Management Division.

"Method 533: Determination of Per- and Polyfluoroalkyl Substances in Drinking Water by Isotope Dilution Anion Exchange Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry", November 2019.

~~[https://www.epa.gov/sites/default/files/2019-12/documents/method-533-815b19020.pdf.](https://www.epa.gov/sites/default/files/2019-12/documents/method-533-815b19020.pdf)~~

[https://www.epa.gov/sites/default/files/2019-12/documents/method-533-815b19020.pdf.](https://www.epa.gov/sites/default/files/2019-12/documents/method-533-815b19020.pdf)

USEPA, Office of Research and Development, Center for Environmental Solutions & Emergency Response

Shoemaker, J. and Dan Tettenhorst, Method 537.1: Determination of selected Per- and Polyfluorinated Alkyl Substances in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass spectrometry (LC/MS/MS). U.S. Environmental Protection Agency, Office of Research and Development, Center for Environmental Assessment, Washington, DC. Version 2.0, March 2020.

~~POLLUTION CONTROL BOARD
NOTICE OF PROPOSED AMENDMENT~~

USEPA, Office of Resource Conservation and Recovery.

"Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, (March 2009 Unified Guidance)", EPA 530/R-09-007.

USEPA, Office of Water, Engineering and Analysis Division

USEPA, Office of Water, Engineering and Analysis Division. "Method 1633: Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in Aqueous, Solid, Biosolids, and Tissue Samples by LC-MS/MS", January 2024, EPA 821-R-24-001.

USEPA, Risk Assessment forum, Washington, D.C.

"A Review of the Reference Dose and References Concentration Process", EPA/630/P-02/002F, December 2002.

"Guidance for Applying Quantitative Data to Develop Data-Derived Extrapolation Factors for Interspecies and Intraspecies Extrapolation", EPA/R-14/002F, September 2014.

"Guidelines for Carcinogen Risk Assessment", EPA/630/P-03/001F, March 2005.

"Supplemental Guidance for Assessing Susceptibility for Early-Life Exposure to Carcinogens", EPA/630/R-03/003F, March 2005.

United States Geological Survey, 1961 Stout St., Denver, CO 80294
(303) 844-4169

"Techniques of Water Resources Investigations of the United States Geological Survey, Guidelines for Collection and Field Analysis of Ground-Water Samples for Selected Unstable Constituents", Book I, Chapter D2 (1976).

b) This Section incorporates no later editions or amendments.

(Source: Amended at 49 Ill. Reg. , effective)

~~ILLINOIS REGISTER~~

JCAR350620-2505707r01

~~POLLUTION CONTROL BOARD
NOTICE OF PROPOSED AMENDMENT~~

Summary report: Litera Compare for Word 11.8.0.56 Document comparison done on 4/23/2025 10:16:04 AM	
Style name: Default Style	
Intelligent Table Comparison: Active	
Original filename: 35-620RG-P Agency.docx	
Modified filename: 35-620RG-P r01 (49-17).docx	
Changes:	
<u>Add</u>	15
Delete	20
Move From	0
<u>Move To</u>	0
<u>Table Insert</u>	0
Table Delete	0
<u>Table moves to</u>	0
Table moves from	0
Embedded Graphics (Visio, ChemDraw, Images etc.)	0
Embedded Excel	0
Format changes	0
Total Changes:	35