



ENVIRONMENTAL REGISTER

October 24, 2025 – Number 775

A PUBLICATION OF THE ILLINOIS POLLUTION CONTROL BOARD

<https://pcb.illinois.gov/>

BOARD MEMBERS

- ❖ Barbara Flynn Currie, Chair
- ❖ Jennifer Van Wie
- ❖ Michelle Gibson
- ❖ Michael D. Mankowski
- ❖ Angela Tin

The **Illinois Pollution Control Board** is an independent, five-member board that adopts environmental control regulations and decides enforcement actions and other environmental cases for the State of Illinois.

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CHAIR'S UPDATE

In this issue of the *Environmental Register*, I highlight the Board's recent and upcoming rulemaking hearings, as well as a presentation by two Board Members held earlier this month.

On June 16 and August 21, 2025, the Board held public hearings on a rulemaking proposal filed by BioSAFE Engineering (BioSAFE), which manufactures systems designed to treat regulated infectious or potentially infectious waste. The hearings were held by videoconference between Chicago and Springfield. BioSAFE asks the Board to amend its rules on potentially infectious medical waste or "PIMW" to allow *Bacillus atrophaeus* to be used as an indicator microorganism for validating treatment efficacy. Here is a link to the rulemaking's docket, [Potentially Infectious Medical Waste \(PIMW\), Proposed Amendment of 35 Ill. Adm. Code 1422.Appendix A, Table B – Indicator Microorganisms, R25-24](#), where you can find the transcripts of both hearings.

On September 16, 2025, the Board held a public hearing in a rulemaking sub-docket concerning costs to landfills of complying with Illinois' groundwater quality standards for per- and polyfluoroalkyl substances or "PFAS." Here is a link to the sub-docket, [Proposed Amendments to Groundwater Quality \(35 Ill. Adm. Code 620\), R22-18\(A\)](#), where you can find the hearing's transcript.

On September 18, 2025, the Board held the first of two public hearings on an Illinois Environmental Protection Agency (IEPA) rulemaking proposal to amend the Board's Part 219 air pollution rules (35 Ill. Adm. Code 219). Part 219 addresses emissions of volatile organic materials or "VOM" from specified categories of stationary sources in the Metro East area. IEPA proposes to add an exemption for aerospace facilities that was inadvertently omitted from a previous rulemaking. The second hearing will be held by videoconference on November 17, 2025, between Edwardsville and Springfield. Here is a link to the rulemaking's docket, [Amendments to 35 Ill. Adm. Code 219, Organic Material Emission Standards for the Metro East Area, R25-25](#), where you can find the first hearing's transcript and specific information about the second hearing.

And last, but by no means least, on October 2, 2025, Board Members Michelle Gibson and Angela Tin conducted a Brown Bag Lunch presentation entitled, "Brush Up on Paint Waste, Understanding the New Universal Paint Waste Rule, R25-22." Special thanks to them for their presentation, which was very well attended. The associated PowerPoint may be viewed here: [Brown Bag Lunch Presentations](#). In addition, the Board's R25-22 rulemaking on paint and paint-related waste or "PPRW" is summarized in this *Environmental Register*.

Sincerely,



Barbara Flynn Currie
Chair



RULEMAKING UPDATE

Board Amends Universal Waste Rules to Add Paint and Paint-Related Waste

On August 21, 2025, the Board adopted final rules prescribing procedures and standards for managing hazardous waste “paint and paint-related waste” (PPRW) as universal waste. In all, the Board amended seven Parts of its rules: Parts 703, 720, 721, 724, 725, 728, and 733 (35 Ill. Adm. Code 703, 720, 721, 724, 725, 728, 733).

This rulemaking was initiated on March 3, 2025, when the Illinois Environmental Protection Agency (IEPA) filed a proposal with the Board as required by Public Act 103-887, which took effect on January 1, 2025. The legislation designated hazardous waste PPRW as a category of universal waste subject to the Board’s streamlined hazardous waste rules of 35 Ill. Adm. Code 733. In addition, Public Act 103-887 required that the Board adopt final rules within 180 days after receiving IEPA’s proposal. The Board proceeded to first notice on March 20, 2025, and held public hearings on April 16 and May 20, 2025. Along with IEPA, rulemaking participants included the Illinois Attorney General’s Office, the American Coatings Association, and the Solid Waste Agency of Lake County. The Board proposed second-notice amendments on July 10, 2025, for review by the Joint Committee on Administrative Rules (JCAR).

At its August 13, 2025 meeting, JCAR issued a Certification of No Objection to the Board’s proposed amendments, subject to a handful of non-substantive changes with which the Board agreed. In turn, the Board adopted the final amendments by Public Act 103-887’s 180-day deadline. The amendments took effect on August 27, 2025.

This rulemaking is captioned Standards for Universal Waste Management (35 Ill. Adm. Code Parts 703, 720, 721, 724, 725, 728, and 733), docket R25-22. Here is a link to the Board’s final [opinion and order](#), which includes the text of the adopted amendments. For more information, please contact Chloe Salk at 312-814-3932 or chloe.salk@illinois.gov.

Board Amends Its Rules to Reflect New Address of IEPA’s Springfield Office

On March 10, 2025, the Illinois Environmental Protection Agency (IEPA) filed a proposal that would update 15 Parts of the Board’s rules to reflect the new address of IEPA’s Springfield office. On March 20, 2025, the Board accepted for hearing IEPA’s proposal and sent it to first notice without comment.

The first-notice proposal was published in the *Illinois Register* on April 25, 2025. The Board held two public hearings on the proposal, one on April 17, 2025, and the other on June 5, 2025. The Board received no testimony or public comment. The Board proposed second-notice amendments on July 10, 2025, for review by the Joint Committee on Administrative Rules (JCAR). The proposed rule text referred to IEPA’s address at “2520 West Iles Avenue, P.O. Box 19276, Springfield, Illinois 62794-9276, or at the address of the Illinois EPA’s headquarters as designated on the Illinois EPA’s website.”

During second notice, JCAR requested that the Board delete the proposed reference to finding IEPA’s address on IEPA’s website. The Board agreed to the change. Subject to that change, JCAR, at its August 13, 2025 meeting, issued a Certification of No Objection to the Board’s proposed amendments. At its August 21, 2025 meeting, the Board adopted the final amendments, retaining the new address of IEPA’s Springfield office and deleting the reference to IEPA’s website. The amendments took effect on September 23, 2025.



The rulemaking is captioned Clean-Up Amendments to 35 Ill. Adm. Code Parts 101, 310, 502, 620, 704, 721, 733, 739, 742, 807, 811, 840, 848, 1010, and 1501, docket R25-23. Here is a link to the Board's final [opinion and order](#), which includes the text of the adopted amendments. For more information, please contact Tim Fox at 312-814-6085 or tim.fox@illinois.gov.

Board Proposes “Identical-in-Substance” Amendments to Drinking Water Rules

On October 2, 2025, the Board proposed amendments to keep Illinois' primary drinking water standards (35 Ill. Adm. Code 611) “identical in substance” to the National Primary Drinking Water Regulations (NPDWRs). The proposed amendments reflect six actions taken under the NPDWRs by the United States Environmental Protection Agency (USEPA) during 2024. Specifically, USEPA expedited approval of 93 alternative testing methods (ATMs) for analyzing contaminants in drinking water, added new regulations for six per- and poly-fluoroalkyl substances (PFAS), and updated the comprehensive Lead and Copper Rule.

Publication of the Board's proposed amendments in the *Illinois Register* will start a period of at least 45 days during which anyone may file a public comment with the Board. In December of this year, the Board expects to adopt final amendments.

The Board's rulemaking is captioned SDWA Update, USEPA Amendments (January 1, 2024 through June 30, 2024), docket R25-1 and SDWA Update, USEPA Amendments (July 1, 2024 through December 31, 2024), docket R25-9 (consolidated). Here are links to the Board's (1) [opinion and order](#) and (2) [addendum](#), which includes the text of the proposed amendments. For more information, please contact Joan Beacom at 312-814-6924 or joan.beacom2@illinois.gov.

In Coal Ash Sub-Docket B, Board Adopts Final Amendments to Construction Permit Application Requirements Related to CCR Storage Units

On June 26, 2025, the Board issued a final opinion and order in sub-docket A of R20-19 (R20-19(A)), adopting amendments to the Board's Part 845 rules on coal combustion residual (CCR) surface impoundments (35 Ill. Adm. Code 845). The amendments, among other things, added obligations and restrictions on using CCR storage units during the closure of CCR surface impoundments. Relatedly, during the first-notice comment period in sub-docket A, the Illinois Environmental Protection Agency proposed that the Board amend Section 845.220 to require that construction permit applications include additional information concerning CCR storage units. However, because Section 845.220 was not included in sub-docket A's proposed first-notice amendments, the Board opened a sub-docket B of R20-19 (R20-19(B)) to propose the corresponding changes to Section 845.220. In sub-docket B, the Board issued its first-notice opinion and order on May 15, 2025, and its second-notice opinion and order on August 7, 2025.

At its September 16, 2025 meeting, the Joint Committee on Administrative Rules issued a Certification of No Objection to the Board's proposed amendments to Section 845.220. In turn, on October 2, 2025, the Board issued a final opinion and order adopting the amendments. These final sub-docket B amendments will take effect upon their filing with the Illinois Secretary of State's Office.

The rulemaking is captioned Standards for the Disposal of Coal Combustion Residuals in Surface Impoundments: Proposed New 35 Ill. Adm. Code 845, R20-19(B). Here are links to the Board's October 2, 2025 [final opinion and order](#), along with its [addendum](#) containing the text of the adopted amendments to Section 845.220. For more information on R20-19(B), please contact Vanessa Horton at 312-814-5053 or vanessa.horton@illinois.gov.



BOARD ACTIONS

July 24, 2025 Regular Meeting

By videoconference in Chicago and Springfield

ADMINISTRATIVE CITATIONS

[AC 25-6](#)

Illinois Environmental Protection Agency v. Grainland Farmers (Land) – After Grainland Farmers failed to timely file a petition to contest this administrative citation, the Board found that Grainland Farmers violated Section 21(p)(1), (p)(3), and (p)(7) of the Environmental Protection Act (415 ILCS 5/21(p)(1), (p)(3), (p)(7) (2024)) as alleged. Because there were three violations, the Board ordered Grainland Farmers to pay a total civil penalty of \$4,500, reflecting the statutory penalty of \$1,500 per violation.

ADJUDICATORY CASES

[PCB 20-10](#)

Marek Kruk v. New Trier High School (Noise – Enforcement, Citizen) – The Board granted the parties’ request for relief from the hearing requirement and accepted their stipulation and proposed settlement.

[PCB 25-65](#)

People of the State of Illinois v. A.S.C. Recycling, Inc. d/b/a Auto Salvage Co. (Water, NPDES – Enforcement) – In this enforcement action concerning A.S.C. Recycling’s automobile salvage facility in La Salle County, the Board granted relief from the hearing requirement of Section 31(c)(1) of the Environmental Protection Act (415 ILCS 5/31(c)(1) (2024)), accepted a stipulation and proposed settlement, and ordered A.S.C. Recycling to pay an \$15,000 civil penalty and to cease and desist from further violations.

[PCB 26-5](#)

Monier Pork Farm v. Illinois Environmental Protection Agency (Water – Tax Certification) – The Board found and certified that Monier Pork Farm’s manure management structures in Bureau County are pollution control facilities for preferential tax treatment under the Property Tax Code (35 ILCS 200/11-10 (2024)).

[PCB 26-6](#)

Tim Leman v. Illinois Environmental Protection Agency (Water – Tax Certification) – The Board found and certified that Leman’s manure management structures in Woodford County are pollution control facilities for preferential tax treatment under the Property Tax Code (35 ILCS 200/11-10 (2024)).

[PCB 26-7](#)

Brad Kestner v. Illinois Environmental Protection Agency (Water – Tax Certification) – The Board found and certified that Kestner’s manure management structures in Adams County are pollution control facilities for preferential tax treatment under the Property Tax Code (35 ILCS 200/11-10 (2024)).



PCB 26-8 Fehr Brothers v. Illinois Environmental Protection Agency (Water – Tax Certification) – The Board found and certified that Fehr Brothers’ manure management structures in Woodford County are pollution control facilities for preferential tax treatment under the Property Tax Code (35 ILCS 200/11-10 (2024)).

PCB 26-9 Clint Kinsey, K-1 – Viola v. Illinois Environmental Protection (Water – Tax Certification) – No Action taken.

PCB 26-10 Bradley Colton Welch v. Illinois Environmental Protection Agency (Water – Tax Certification) – The Board found and certified that Welch’s manure management structures in Mercer County are pollution control facilities for preferential tax treatment under the Property Tax Code (35 ILCS 200/11-10 (2024)).

PCB 26-11 Stumpy Hill Farm v. Illinois Environmental Protection Agency (Water – Tax Certification) – The Board found and certified that Stumpy Hill Farm’s livestock waste management structures in Edwards County are pollution control facilities for preferential tax treatment under the Property Tax Code (35 ILCS 200/11-10 (2024)).

August 7, 2025 Regular Meeting
By videoconference in Chicago and Springfield

RULEMAKINGS

R20-19(B) Standards for the Disposal of Coal Combustion Residuals in Surface Impoundments: Proposed New 35 Ill. Adm. Code 845 (Land) – For second-notice review by the Joint Committee on Administrative Rules (JCAR), the Board proposed amendments to its rule concerning construction permits within Part 845 (35 Ill. Adm. Code 845) on coal combustion residual (CCR) surface impoundments.

ADJUDICATORY CASES

PCB 22-12 Philip Carper v. Topflight Grain Cooperative (Noise – Enforcement, Citizen) – The Board granted Carper’s motion for voluntary dismissal with prejudice, dismissed the complaint, and closed the docket.



- PCB 25-68** People of the State of Illinois v. Advanced Web Technologies Illinois, Inc. (Air, CAAPP – Enforcement) – In this enforcement action concerning Advanced Web’s flexographic printing facility in Kane County, the Board granted relief from the hearing requirement of Section 31(c)(1) of the Environmental Protection Act (415 ILCS 5/31(c)(1) (2024)), accepted a stipulation and proposed settlement, and ordered Advanced Web to pay a \$27,500 civil penalty and to cease and desist from further violations. Under the settlement, Advanced Web must promptly respond to Illinois Environmental Protection Agency requests for additional information regarding the company’s Federally Enforceable State Operating Permit (FESOP) application and must, on issuance of a Clean Air Act Permit Program (CAAPP) permit or FESOP, comply with its terms.
- PCB 26-9** Clint Kinsey, K-1 – Viola v. Illinois Environmental Protection Agency (Water – Tax Certification) – The Board found and certified that Kinsey’s manure management structures in Mercer County are pollution control facilities for preferential tax treatment under the Property Tax Code (35 ILCS 200/11-10 (2024)).
- PCB 26-12** Independence Pork, LLC v. Illinois Environmental Protection Agency (Water – Tax Certification) – The Board found and certified that Independence Pork’s manure management structures in DeKalb County are pollution control facilities for preferential tax treatment under the Property Tax Code (35 ILCS 200/11-10 (2024)).
- PCB 26-13** Aqua Illinois, Inc. v. Illinois Environmental Protection Agency (Public Water Supply – Permit Appeal) – The Board granted the parties’ request to extend the appeal period to August 29, 2025.

August 21, 2025 Regular Meeting
By videoconference in Chicago and Springfield

RULEMAKING

- R25-22** Standards for Universal Waste Management (35 Ill. Adm. Code Parts 703, 720, 721, 724, 725, 728, and 733) (Land) – The Board adopted a final opinion and order amending its hazardous waste rules to regulate paint and paint-related waste as universal waste.
- R25-23** Amendments to 35 Ill. Adm. Code Parts 101, 310, 502, 620, 704, 721, 733, 739, 742, 807, 811, 840, 848, 1010, and 1501 (Administrative) – The Board adopted a final opinion and order updating its rules to reflect the new street address of the Illinois Environmental Protection Agency’s Springfield office.



ADJUDICATORY CASES

PCB 26-14 Southwind RAS I, LLC v. Illinois Environmental Protection Agency (Land – Permit Appeal) – The Board accepted Southwind’s petition to review IEPA’s Beneficial Use Determination (BUD) concerning Southwind’s Recycle Center in Will County.

PCB 26-15 Mark and Jared Waldbeser v. Illinois Environmental Protection Agency (Water – Tax Certification) – The Board found and certified that the Waldbesers’ manure management structures in Iroquois County are pollution control facilities for preferential tax treatment under the Property Tax Code (35 ILCS 200/11-10 (2024)).

September 4, 2025 Regular Meeting By videoconference in Chicago and Springfield

ADJUDICATORY CASES

PCB 25-65 People of the State of Illinois v. A.S.C. Recycling, Inc. d/b/a Auto Salvage Co. (Water, NPDES – Enforcement) – In this enforcement action concerning A.S.C. Recycling’s auto salvage yard in La Salle County, the Board granted relief from the hearing requirement of Section 31(c)(1) of the Environmental Protection Act (415 ILCS 5/31(c)(1) (2024)), accepted a stipulation and proposed settlement, and ordered A.S.C. Recycling to pay a \$15,000 civil penalty and to cease and desist from further violations.

PCB 26-13 Aqua Illinois, Inc. v. Illinois Environmental Protection Agency (Public Water Supply – Permit Appeal) – Because Aqua Illinois failed to file a petition during the extended appeal period, the Board dismissed the case and closed the docket.

PCB 26-16 Illinois International Port District, and Clean Harbors Services, Inc. v. Illinois Environmental Protection Agency (Land, RCRA – Permit Appeal) – The Board granted the parties’ request to extend the appeal period to December 4, 2025.

PCB 26-17 People of the State of Illinois v. Saluki Homes, LLC (Water, NPDES – Enforcement) – Upon receiving a complaint, a stipulation, a proposed settlement, and an agreed motion for relief from the hearing requirement in this enforcement action concerning Saluki Homes’ property in Jackson County, the Board accepted the complaint and directed the Clerk to provide the required newspaper notice of the settlement-related filings.

PCB 26-18 Clint Kinsey K-3 v. Illinois Environmental Protection Agency (Water – Tax Certification) – The Board found and certified that Clint Kinsey K-3’s manure management structures in Mercer County are pollution control facilities for preferential tax treatment under the Property Tax Code (35 ILCS 200/11-10 (2024)).



September 18, 2025 Regular Meeting
By videoconference in Chicago and Springfield

RULEMAKING

R24-17

Proposed Clean Car and Truck Standards: New 35 Ill. Adm. Code 242 (Air) – The Board granted the Movants’ motion for extension of time and motion for leave to file their motion for reconsideration of the Board’s November 7, 2024 denial of motions to dismiss. The Board also granted the motion for reconsideration and, on reconsideration, affirmed its denial of the motions to dismiss.

In addition, the Board stayed this rulemaking until the resolution of *State of California v. United States*, No. 4:25-cv-04966-HSG (N.D. Cal., filed June 12, 2025) or until the Board orders otherwise. The Board ordered the Movants and the Rule Proponents to file written status updates on this litigation every six months, beginning on March 5, 2026. The Board also allowed other participants to file status updates on the same schedule.

R25-18

Board Consideration of Environmental Justice in Board Proceedings (Procedural) – The Board issued an order specifying questions and directing that participants file responses to the questions by October 31, 2025.

ADJUDICATORY CASES

PCB 22-9

Doug and Geri Boyer v. MRB Development d/b/a Copper Fire, Renae Eichholz, and Mark Eichholz (Noise – Enforcement, Citizen) – No action taken.

PCB 25-61

BP Products North America Inc. v. Illinois Environmental Protection Agency (Land, RCRA – Permit Appeal) – The Board accepted for hearing this permit appeal involving a Madison County facility.

PCB 26-19

Equilon Enterprises LLC, d/b/a Shell Oil Products US v. Illinois Environmental Protection Agency (Land, RCRA – Permit Appeal) – The Board granted the parties’ request to extend the appeal period to December 29, 2025.

PCB 26-20

Carroll Family Farms Partnership v. Illinois Environmental Protection Agency (Water – Tax Certification) – No action taken.



October 2, 2025 Regular Meeting
By videoconference in Chicago and Springfield

RULEMAKING

R20-19(B)

Standards for the Disposal of Coal Combustion Residuals in Surface Impoundments: Proposed New 35 Ill. Adm. Code 845 (Land) – The Board adopted a final opinion and order amending Section 845.220 (35 Ill. Adm. Code 845.220) of its coal combustion residual (CCR) surface impoundment rules to require that construction permit applications include additional information concerning CCR storage units.

R25-1
R25-9
Consol.

SDWA Update, USEPA Regulations (January 1, 2024 through June 30, 2024)
SDWA Update, USEPA Regulations (July 1, 2024 through December 31, 2024) (Public Water Supply) – Based on six actions taken by the United States Environmental Protection Agency during 2024 under the National Primary Drinking Water Regulations (NPDWR), the Board adopted a proposal for public comment in this “identical-in-substance” rulemaking to amend the Board’s drinking water regulations.

R26-1

SDWA Update, USEPA Amendments (January 1, 2025 through June 30, 2025) (Public Water Supply) – The Board dismissed this reserved “identical-in-substance” docket because the United States Environmental Protection Agency did not amend the National Primary Drinking Water Regulations (NPDWR) during the update period of January 1, 2025 through June 30, 2025.

R26-2

UIC Update, USEPA Amendments (January 1, 2025 through June 30, 2025) (Land) – The Board dismissed this reserved “identical-in-substance” docket because the United States Environmental Protection Agency did not amend its corresponding underground injection control (UIC) regulations during the update period of January 1, 2025 through June 30, 2025.

R26-3

RCRA Subtitle D (Municipal Solid Waste Landfill) Update, USEPA Amendments (January 1, 2025 through June 30, 2025) (Land) – The Board dismissed this reserved “identical-in-substance” docket because the United States Environmental Protection Agency did not amend its corresponding municipal solid waste landfill (MSWLF) regulations during the update period of January 1, 2025 through June 30, 2025.

R26-4

RCRA Subtitle C (Hazardous Waste) Update, USEPA Amendments (January 1, 2025 through June 30, 2025) (Land) – The Board dismissed this reserved “identical-in-substance” docket because the United States Environmental Protection Agency did not amend its corresponding hazardous waste regulations during the update period of January 1, 2025 through June 30, 2025.



- [R26-5](#) UST Update, USEPA Amendments (January 1, 2025 through June 30, 2025) (Land) – The Board dismissed this reserved “identical-in-substance” docket because the United States Environmental Protection Agency did not amend its corresponding underground storage tank (UST) regulations during the update period of January 1, 2025 through June 30, 2025.
- [R26-6](#) Wastewater Pretreatment Update, USEPA Amendments (January 1, 2025 through June 30, 2025) (Water) – The Board dismissed this reserved “identical-in-substance” docket because the United States Environmental Protection Agency did not amend its corresponding wastewater pretreatment regulations during the update period of January 1, 2025 through June 30, 2025.
- [R26-8](#) Definition of VOM Update, USEPA Amendments (January 1, 2025 through June 30, 2025) (Air) – The Board dismissed this reserved “identical-in-substance” docket because the United States Environmental Protection Agency did not amend its corresponding air pollution control regulations during the update period of January 1, 2025 through June 30, 2025.

ADJUSTED STANDARDS

- [AS 26-1](#) Petition of CITGO Petroleum Corporation for an Adjusted Standard from 35 Ill. Adm. Code 216.121 (Air) – The Board accepted CITGO’s petition.

ADMINISTRATIVE CITATIONS

- [AC 26-1](#) County of LaSalle v. Jody D. and Zara R. Harper (Land) – After the Harpers failed to timely file a petition to contest this administrative citation, the Board found that they violated Section 21(p)(1), (p)(3), and (p)(7) of the Environmental Protection Act (415 ILCS 5/21(p)(1), (p)(3), (p)(7) (2024)) as alleged. Because there were three violations, the Board ordered the Harpers to pay a total civil penalty of \$4,500, reflecting the statutory penalty of \$1,500 per violation.
- [AC 26-2](#) County of LaSalle v. Tri-County Fair Association, Inc. (Land) – The Board granted the County’s motion for voluntary dismissal of this administrative citation concerning Tri-County’s fairgrounds in Mendota.

ADJUDICATORY CASES

- [PCB 22-9](#) Doug and Geri Boyer v. MRB Development d/b/a Copper Fire, Renae Eichholz, and Mark Eichholz (Noise – Enforcement, Citizen) – The Board found complainants failed to prove that sound emissions from live music acts at respondents’ venue unreasonably interfered with complainants’ enjoyment of life. Because complainants did not prove that respondents violated the nuisance noise prohibition of the Environmental Protection Act (415 ILCS 5/24 (2024)) and the Board’s noise pollution regulations (35 Ill. Adm. Code 900.102) as alleged, the Board dismissed the case and closed the docket.
- [PCB 26-2](#) GBL Properties, Inc. v. Illinois Environmental Protection Agency (UST Appeal) – Because GBL Properties failed to file a petition during the extended appeal period, the Board dismissed the case and closed the docket.



- PCB 26-20** Carroll Family Farms Partnership v. Illinois Environmental Protection Agency (Water – Tax Certification) – The Board found and certified that Carroll Family Farms’ livestock waste management structures in Hancock County are pollution control facilities for preferential tax treatment under the Property Tax Code (35 ILCS 200/11-10 (2024)).
- PCB 26-21** George Chandler v. Illinois Environmental Protection Agency (Water – Tax Certification) – The Board found and certified that Chandler’s livestock waste management structures in Henderson County are pollution control facilities for preferential tax treatment under the Property Tax Code (35 ILCS 200/11-10 (2024)).
- PCB 26-22** Ron Mueller, Jr. v. Illinois Environmental Protection Agency (Water – Tax Certification) – The Board found and certified that Mueller’s livestock waste management structures in McLean County are pollution control facilities for preferential tax treatment under the Property Tax Code (35 ILCS 200/11-10 (2024)).
- PCB 26-23** Majed Abusaid d/b/a Jay’s One v. Illinois Environmental Protection Agency (UST Appeal) – The Board accepted for hearing this leaking underground storage tank (UST) appeal involving a St. Clair County gas station.
- PCB 26-24** Sugar Camp Energy, LLC v. Illinois Environmental Protection Agency (Land, UIC – Permit Appeal) – The Board granted the parties’ request to extend the appeal period to December 18, 2025.
- PCB 26-25** People of the State of Illinois v. Aurelio Zapata d/b/a Chi-Town Customs Incorporated (Land – Enforcement) – The Board accepted for hearing the People’s complaint concerning Zapata’s retail tire business in Cook County.



CALENDAR

Thursday, November 6 2025 (11:00 AM)

Board meeting by videoconference

Michael A. Bilandic Building, 160 N. LaSalle St., Room N-502, Chicago and 2520 West Iles Avenue, Conf. Room 1.508, Springfield

Monday, November 17, 2025 (9:00 AM)

Hearing by videoconference: Amendments to 35 Ill. Adm. Code 219, Organic Material Emission Standards for the Metro East Area, docket R25-25

Madison County Circuit Court, 155 N. Main Street, Courtroom #327, Third Floor, 155 North Main Street, Edwardsville and 2520 West Iles Avenue, Conf. Room 1.508, Springfield

Thursday, November 20, 2025 (11:00 AM)

Board meeting by videoconference

Michael A. Bilandic Building, 160 N. LaSalle St., Room N-502, Chicago and 2520 West Iles Avenue, Conf. Room 1.508, Springfield

Thursday, December 4, 2025 (11:00 AM)

Board meeting by videoconference

Michael A. Bilandic Building, 160 N. LaSalle St., Room N-502, Chicago and 2520 West Iles Avenue, Conf. Room 1.508, Springfield

Thursday, December 18, 2025 (11:00 AM)

Board meeting by videoconference

Michael A. Bilandic Building, 160 N. LaSalle St., Room N-502, Chicago and 2520 West Iles Avenue, Conf. Room 1.508, Springfield

Thursday, January 8, 2026 (11:00 AM)

Board meeting by videoconference

555 W. Monroe St., Illinois Room, Ground Floor, Chicago and 2520 West Iles Avenue, Conf. Room 1.508, Springfield

Thursday, January 22, 2026 (11:00 AM)

Board meeting by videoconference

555 W. Monroe St., Illinois Room, Ground Floor, Chicago and 2520 West Iles Avenue, Conf. Room 1.508, Springfield

The events listed above are subject to change, and more events may be added. Here is a link to the [Board's current calendar](#).



RESTRICTED STATUS / CRITICAL REVIEW LISTS

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY Division of Public Water Supplies



Illinois Environmental Protection Agency Division of Public Water Supplies Restricted Status List – Community Water Supplies

October 2025

SYSTEM NAME	SYSTEM ID	EPA REGION	NATURE OF PROBLEM	POPULATION SERVED	LISTING DATE
ALBION	IL0470050	7	MANGANESE MCL VIOLATION	2839	1/19/2022
ALTO PASS WATER DISTRICT	IL1815150	7	INADEQUATE SOURCE CAPACITY	1015	6/30/2021
ANDOVER	IL0730100	1	ONLY ONE WELL	565	3/24/2016
AQUA ILLINOIS - OAK RUN	IL0955200	5	NSF/ANSI STANDARD 60 VIOLATION	1800	1/27/2023
ATLANTA	IL1070050	5	MINIMUM CHLORINE RESIDUAL VIOLATION	1692	3/23/2022
AVANTARA LONG GROVE	IL0971110	2	INADEQUATE PRESSURE TANK	200	12/1/2003
BARBERRY ACRES MHP	IL0915145	2	INADEQUATE PRESSURE TANK	50	10/4/1983
BATCHTOWN	IL0130050	6	INADEQUATE STORAGE CAPACITY	290	11/14/2023
BAYLES LAKE LOT OWNERS ASSOCIATION	IL0755110	4	NO ELEVATED OR GROUND STORAGE	645	12/13/2023
BILL-MAR HEIGHTS MHP	IL2015345	1	INADEQUATE PRESSURE TANK	240	3/18/1983
BONNIE	IL0810150	7	NO ELEVATED OR GROUND STORAGE	437	7/20/2018
BROADVIEW ESTATES EAST PEORIA**	IL1795365	5	INADEQUATE PUMPING CAPACITY	89	3/18/1983
BUCKINGHAM	IL0910250	2	INADEQUATE PRESSURE TANK	300	12/15/2023
BUFFALO HOLLOW FARMS WATER ASSOCIATION	IL1430080	5	INADEQUATE PRESSURE TANK	45	6/16/2008
BUSY BEE MHP #1	IL1975195	2	INADEQUATE PRESSURE TANK	25	7/15/2022
CAMARGO	IL0410100	4	TOTAL TRIHALOMETHANES MCL VIOLATION	750	3/21/2025
CAPRON MHP	IL0075105	1	INADEQUATE PRESSURE TANK	90	3/18/1983
CARBON CLIFF	IL1610100	1	COMBINED RADIUM MCL VIOLATION	2134	2/13/2025
CENTRAL MACOUPIN RURAL WATER DISTRICT	IL1170040	5	MINIMUM CHLORINE RESIDUAL VIOLATION	1883	8/29/2018
CENTURY PINES APARTMENTS	IL0150020	1	INADEQUATE PRESSURE TANK	25	12/14/1990
CHAIN-O-LAKES MHP	IL0975165	2	INADEQUATE PRESSURE TANK	84	12/15/1989
CHESTERFIELD	IL1170200	5	MINIMUM CHLORINE RESIDUAL VIOLATION	180	8/29/2018
CLARKS MHP	IL2015425	1	INADEQUATE PRESSURE TANK	90	12/16/1991
COBDEN	IL1810150	7	INADEQUATE SOURCE CAPACITY	1267	6/30/2021
COLONIAL MEADOWS	IL1135100	6	MINIMUM CHLORINE RESIDUAL VIOLATION	190	9/19/2018
COOKS MILLS WATER ASSOCIATION	IL0295200	4	INADEQUATE SOURCE CAPACITY AND INADEQUATE TREATMENT CAPACITY	720	12/29/2021



SYSTEM NAME	SYSTEM ID	EPA REGION	NATURE OF PROBLEM	POPULATION SERVED	LISTING DATE
COOKSVILLE	IL1130400	4	TOTAL TRIHALOMETHANES MCL VIOLATION AND HALOACETIC ACIDS MCL VIOLATION	157	5/1/2025
COUNTRY ACRES MHP (LA SALLE COUNTY)	IL0995365	1	COMBINED RADIUM AND GROSS ALPHA MCL VIOLATIONS	222	5/26/2021
COUNTRY ESTATES SUBDIVISION*	IL0735050	1	INADEQUATE SOURCE CAPACITY TO MEET THE NITRATE MCL	188	8/8/2025
CRISWELL COURT MHP	IL1975105	2	INADEQUATE PRESSURE TANK	94	12/15/1989
DAYSPRING BIBLE COLLEGE (north area)	IL0977189	2	INADEQUATE PRESSURE TANK	52	6/15/1988
DES PLAINES MHP	IL0317775	2	INADEQUATE SOURCE CAPACITY; NO GROUND OR ELEVATED STORAGE; AND A GROSS ALPHA MCL VIOLATION	405	3/16/1984 & 8/26/2022
DIXMOOR	IL0310660	2	NO ELEVATED OR PRESSURE STORAGE	2973	2/24/2023
DWIGHT	IL1050250	4	ARSENIC MCL VIOLATION	4400	9/27/2023
EAST END WATER ASSOCIATION	IL1610140	1	INADEQUATE PRESSURE TANK	40	3/15/2002
EAST MORELAND WATER ASSOCIATION	IL1975600	2	NO ELEVATED OR GROUND STORAGE	1320	9/9/2016
EDELSTEIN WATER COOPERATIVE	IL1435150	5	INADEQUATE GROUND STORAGE	113	1/1/2015
EDINBURG	IL0210150	5	TOTAL TRIHALOMETHANES MCL VIOLATION	1068	12/16/2022
EHLERS MHP	IL0195645	4	INADEQUATE PRESSURE TANK	112	12/17/1982
EJ WATER - DEWEY*	IL0195200	4	ONLY ONE WELL	200	7/11/2025
ELIZABETH (upper elevation area)	IL0850150	1	LOW SYSTEM PRESSURE	802	6/15/1999
EXETER - MERRITT WATER COOP	IL1710010	5	TOTAL TRIHALOMETHANES MCL VIOLATION AND INADEQUATE STORAGE CAPACITY	820	10/1/2013 & 9/4/2024
FALCON FARMS	IL1617635	1	NO ELEVATED OR GROUND STORAGE	350	10/31/2019
FORD HEIGHTS	IL0310720	2	MINIMUM CHLORINE RESIDUAL VIOLATION	1813	12/9/2022
FOUR STAR CAMPGROUND	IL0990060	1	INADEQUATE PRESSURE TANK	250	6/15/1999
GOLCONDA*	IL1510100	7	TOTAL TRIHALOMETHANES MCL VIOLATION	630	7/11/2025
HETTICK	IL1170500	5	MINIMUM CHLORINE RESIDUAL VIOLATION	174	6/30/2021
HIGHLAND SUBDIVISON	IL0895530	2	INADEQUATE PRESSURE TANK	40	9/16/1983
HILLCREST	IL1410250	1	INADEQUATE SOURCE CAPACITY	1224	2/13/2018
HILLSDALE ESTATES, LLC	IL1615530	1	INADEQUATE PRESSURE TANK	163	3/18/1983
HILLSDALE PROPERTIES	IL1615728	1	INADEQUATE PRESSURE TANK	66	1/14/1982
HOLLY HOCK HILL MHP	IL0975245	2	INADEQUATE PRESSURE TANK	47	12/16/1983
HONEYCUTT HILL MHP LLC	IL1955225	1	INADEQUATE PRESSURE TANK	75	9/17/1982
IL AMERICAN - ANDALUSIA (upper elevation area)	IL1610050	1	LOW SYSTEM PRESSURE	1184	10/1/2003
INGALLS PARK SUBDIVISION	IL1975880	2	NO ELEVATED OR GROUND STORAGE	744	9/16/1983
LAKE BLUFF ESTATES MHP	IL0975585	2	INADEQUATE PRESSURE TANK	165	12/16/1983



SYSTEM NAME	SYSTEM ID	EPA REGION	NATURE OF PROBLEM	POPULATION SERVED	LISTING DATE
LAND AND WATER ASSOCIATION	IL0995050	1	COMBINED RADIUM MCL VIOLATION	100	8/26/2022
LE ROY**	IL1130750	4	MINIMUM CHLORINE RESIDUAL VIOLATION & TOTAL HALOACETIC ACID MCL VIOLATION	3498	2/16/2024 & 8/21/2025
LEWISTOWN	IL0570600	5	MANGANESE MCL VIOLATION	2400	12/29/2021
LIBERTY PARK HOMEOWNERS' ASSOCIATION	IL0435600	2	INADEQUATE GROUND STORAGE CAPACITY	950	9/17/1992
LINWAY ESTATES MHP	IL0315935	2	NO ELEVATED OR GROUND STORAGE	380	2/28/2017
LISBON NORTH, INC.	IL0631000	2	INADEQUATE PRESSURE TANK INADEQUATE SOURCE CAPACITY	25	9/14/1990
LONDON MILLS	IL0574620	5	TOTAL HALOACETIC ACID MCL VIOLATION	400	7/13/2022
LONGVIEW*	IL0190350	4	INADEQUATE PRESSURE TANK	146	8/21/2025
LYNNWOOD WATER CORPORATION	IL0995336	1	TOTAL TRIHALOMETHANES MCL VIOLATION	100	3/18/1983
MACOMB	IL1090350	5	NO AUTO-START GENERATOR & INADEQUATE HIGH SERVICE PUMP CAPACITY	15052	2/23/2024
MALTA	IL0370350	1	INADEQUATE PRESSURE TANK	1143	6/15/2012
MANTENO MHP	IL0915385	2	INADEQUATE SOURCE WATER TREATMENT	144	12/14/1990
MARENGO	IL1110650	2	TOTAL TRIHALOMETHANES MCL VIOLATION	7572	8/19/2022
MILLSTONE PWD*	IL1515050	7	ONLY ONE WELL	5565	8/21/2025
NEW HAVEN	IL0590150	7	INADEQUATE PRESSURE TANK	424	11/27/2024
OAK RIDGE SANITARY DISTRICT	IL2035300	1	INADEQUATE HIGH SERVICE PUMP CAPACITY AND ONLY ONE WELL	300	3/20/1981
OSCO MUTUAL WATER SUPPLY COMPANY, INC.	IL0735200	1	INADEQUATE PRESSURE TANK	80	12/15/1989 & 5/2/2025
OTTAWA ESTATES MHP	IL0995225	1	INADEQUATE PRESSURE TANK	70	3/18/1983
PAULS MHP	IL0975485	2	INADEQUATE PRESSURE TANK	38	12/16/1983
PEORIA HEIGHTS	IL1434750	5	MANGANESE MCL VIOLATION INADEQUATE CHLORINE RESIDUAL AND NO EMERGENCY POWER	5908	12/29/2021
POLO DR AND SADDLE RD SUBDIVISION	IL0437000	2	MANGANESE MCL VIOLATION	93	1/26/2024
PORT BYRON	IL1610550	1	INADEQUATE PRESSURE TANK	1668	1/19/2022
PORTS SULLIVAN LAKE OWNERS' ASSOCIATION	IL0971160	2	NO ELEVATED OR GROUND STORAGE	293	6/15/1999
PRAIRIE PATH WATER - BAHL WATER COMPANY	IL0855200	1	NO ELEVATED OR GROUND STORAGE	700	12/15/1993
PRAIRIE PATH WATER - WALK-UP WOODS WATER COMPANY	IL1115800	2	INADEQUATE PRESSURE TANK	775	12/17/1982
PRAIRIE ROAD PUMP ASSOCIATION	IL2015100	1	INADEQUATE PRESSURE TANK NSF/ANSI STANDARD 60 VIOLATION	150	1/1/2006
RAINBOW LANE MHP	IL2015645	1	INADEQUATE PRESSURE TANK	83	6/17/1983
RIO	IL0950450	5	LOW SYSTEM PRESSURE (at elev. above 990 ft. MSL)	265	11/3/2023
ROYAL OAKS MHP	IL1115145	2	ARSENIC MCL VIOLATION	170	6/17/1983
SCALES MOUND	IL0850400	1		436	9/15/1997
SECOR	IL2030600	1		351	11/8/2023



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SENECA MOBILE HOMES LLC**	IL0995425	1	INADEQUATE PRESSURE TANK; COMBINED RADIUM AND GROSS ALPHA MCL VIOLATIONS	10	9/17/1982, 1/23/2025 & 10/9/2025
SHANGRI-LA MHP	IL1415285	1	INADEQUATE PRESSURE TANK	475	9/16/1983
SILVIS HEIGHTS WATER CORP	IL1615750	1	NO EMERGENCY GENERATOR	1450	12/1/2003
SIX OAKS MHP	IL2015685	1	INADEQUATE PRESSURE TANK INADEQUATE SOURCE	48	6/18/1982
SOUTH JACKSONVILLE	IL1370400	5	CAPACITY	3508	8/19/2022
SOUTH PEKIN	IL1790650	5	MANGANESE MCL VIOLATION	1146	1/19/2022
SPIN LAKE HOMEOWNERS' ASSOCIATION	IL1135140	4	NITRITE MCL VIOLATION	200	10/1/2021
SPRING VALLEY	IL0111000	1	ONLY ONE WELL	5582	11/1/2024
STEELEVILLE	IL1570650	6	COMBINED RADIUM MCL VIOLATION	1930	10/23/2024
STONETOWN EDGEWOOD TERRACE LLC	IL1795345	5	INADEQUATE CHLORINE RESIDUAL	248	10/28/2022
STRONGHURST	IL0710400	5	INADEQUATE SOURCE CAPACITY	950	5/1/2025
SUNNY HILLS ESTATES SUBDIVISION	IL0735300	1	INADEQUATE PRESSURE TANK OR NOT MEETING ALL REQUIREMENTS OF COMBINATION PRESSURE TANK / GROUND STORAGE INADEQUATE SOURCE	375	6/15/2000
SUNNYLAND SUBDIVISION	IL1977730	2	CAPACITY	300	6/12/2018
SWEDONA WATER ASSOCIATION	IL1315200	1	INADEQUATE PRESSURE TANK	109	6/15/1990
SYLVAN LAKE 1ST SUBDIVISION	IL0977100	2	INADEQUATE PRESSURE TANK	210	6/14/1991
TIMBER RIDGE MOBILE ESTATES	IL1775255	1	INADEQUATE PRESSURE TANK	150	6/17/1996
TOWNERS SUBDIVISION	IL0977250	2	INADEQUATE PRESSURE TANK	206	1/14/1982
VERMONT	IL0570950	5	TOTAL TRIHALOMETHANE MCL VIOLATION & HALOACETIC ACID MCL VIOLATION	738	5/27/2020
WALTONVILLE	IL0810400	7	LOW SYSTEM PRESSURE AND NOT MEETING STORAGE, PUMPING, AND EMERGENCY GENERATOR REQUIREMENTS	1901	5/25/2022
WENONA	IL1234950	1	COMBINED RADIUM MCL VIOLATION	979	1/23/2025
WESTFIELD	IL0230200	4	NO OPTIMAL CORROSION CONTROL TREATMENT	678	2/16/2022
WILLOWAY TERRACE MHP	IL0317595	2	NO ELEVATED OR GROUND STORAGE & INADEQUATE SOURCE CAPACITY	900	6/15/1984
WOOD DALE ESTATES	IL0437245	2	INADEQUATE PRESSURE TANK	145	6/17/1983
WOODLAND	IL0751000	4	INADEQUATE SOURCE CAPACITY	319	7/15/2022



Illinois Environmental Protection Agency
Division of Public Water Supplies
Critical Review List – Community Water Supplies

October 2025

SYSTEM NAME	SYSTEM ID	EPA REGION	NATURE OF PROBLEM	POPULATION SERVED	LISTING DATE
AIR VIEW MHP	IL1615185	1	ONLY ONE WELL	200	8/7/2020
ALEXIS	IL1874000	5	INADEQUATE SOURCE CAPACITY	836	10/16/2024
ANCHOR	IL1130050	4	ONLY ONE WELL	155	8/28/2020
AQUA ILLINOIS - HIGHLAND ESTATES	IL0915220	2	ONLY ONE WELL	171	1/13/2021
AQUA ILLINOIS - INDIANOLA	IL1830500	4	ONLY ONE WELL	224	12/11/2020
AQUA ILLINOIS - SKYLINE	IL0915450	2	ONLY ONE WELL	249	1/8/2021
AQUA ILLINOIS - SUN RIVER TERRACE	IL0910720	2	ONLY ONE WELL	498	1/13/2021
BEAVER CREEK VILLAGE MHP	IL0755125	4	ONLY ONE WELL	13	1/6/2021
BUFFALO HOLLOW FARMS WATER ASSOCIATION	IL1430080	5	ONLY ONE WELL	45	7/22/2020
BUSY BEE MHP #1	IL1975195	2	ONLY ONE WELL	25	12/4/2020
CAMP GROVE	IL1235100	1	ONLY ONE WELL	146	6/24/2020
CANTON	IL0570250	5	INADEQUATE TREATMENT CAPACITY	16748	3/15/2007
CAPRON MHP	IL0075105	1	ONLY ONE WELL	90	1/27/2021
CARBON HILL	IL0630100	2	INADEQUATE TREATMENT CAPACITY	345	12/14/2016
CARROLL HEIGHTS UTILITIES COMPANY	IL0155200	1	ONLY ONE WELL	80	1/27/2021
CARTHAGE	IL0670250	5	ONLY ONE WELL	2605	4/11/2023
CEDAR BROOK ESTATES SUBDIVISION	IL1615170	1	ONLY ONE WELL	250	8/7/2020
CEDAR POINT WATER COMPANY	IL0995040	1	ONLY ONE WELL	266	8/26/2020
CENTURY PINES APARTMENTS	IL0150020	1	ONLY ONE WELL	25	1/27/2021
CHAIN-O-LAKES MHP	IL0975165	2	ONLY ONE WELL	84	8/28/2020
CHERRYDALE SUBDIVISION	IL1615120	1	ONLY ONE WELL	63	8/5/2020
CHIGAKWA PARK ESTATES	IL1615140	1	ONLY ONE WELL	53	8/7/2020
CLARKS MHP	IL2015425	1	ONLY ONE WELL	90	12/4/2020
COAL CITY	IL0630200	2	INADEQUATE TREATMENT CAPACITY	5749	12/14/2016
COLONIAL MEADOWS	IL1135100	6	ONLY ONE WELL	190	9/26/2020
COUNTRY LANE MHP	IL1135385	4	ONLY ONE WELL	50	6/24/2020
COUNTRY VIEW ESTATES MHP	IL0195625	4	ONLY ONE WELL	97	1/27/2021
COUNTRY VIEW ESTATES SUBDIVISION	IL1415220	1	ONLY ONE WELL	125	7/15/2020
DE WITT	IL0390100	4	ONLY ONE WELL	175	1/27/2021
DIXIE ESTATES SUBDIVISION	IL1975520	2	ONLY ONE WELL	180	12/9/2020
DONNY BROOK ESTATES	IL0375150	1	ONLY ONE WELL	30	1/27/2021
EAST END WATER ASSOCIATION	IL1610140	1	ONLY ONE WELL	40	7/31/2020
EAST LAWN WATER ASSOCIATION	IL1615100	1	ONLY ONE WELL	160	8/5/2020
EAST LYNN COMMUNITY WATER SYSTEM	IL1835200	4	ONLY ONE WELL	100	12/11/2020
EAST SIDE MHP	IL0195825	4	ONLY ONE WELL	79	1/27/2021
EBERTS 3RD ADDITION	IL1615330	1	ONLY ONE WELL	99	8/12/2020
EDELSTEIN WATER COOPERATIVE	IL1435150	5	ONLY ONE WELL	113	7/24/2020
EJ WATER - WITT	IL1350850	5	INADEQUATE TREATMENT CAPACITY	785	3/17/2008
ELM OAK MUTUAL WATER SYSTEM	IL0975736	2	ONLY ONE WELL	50	8/28/2020
EVERGREEN VILLAGE SUBDIVISION	IL1615310	1	ONLY ONE WELL	56	8/12/2020



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FOUNTAIN WATER DISTRICT	IL1330020	6	INADEQUATE SOURCE CAPACITY & INADEQUATE TREATMENT CAPACITY	3650	5/21/2024
FOUR STAR CAMPGROUND	IL0990060	1	ONLY ONE WELL	250	8/26/2020
FOX CREEK FARMS WATER COMPANY	IL1435750	5	ONLY ONE WELL	221	7/29/2020
FOX LAWN HOMEOWNERS WATER ASSOCIATION	IL0935150	2	ONLY ONE WELL	167	1/13/2021
FRENTRESS LAKE GARDEN STREET IMPROVEMENT ASSOCIATION	IL0850010	1	ONLY ONE WELL	233	1/8/2021
GENESEO HICKORY HILLS HOA	IL1975376	2	ONLY ONE WELL	54	12/9/2020
GREEN ACRES MHP	IL0730080	1	ONLY ONE WELL	83	8/12/2020
HARMON	IL1035165	1	ONLY ONE WELL	170	8/26/2020
HAZELWOOD 4TH ADDITION	IL1030300	1	ONLY ONE WELL	111	8/26/2020
HAZELWOOD WEST SUBDIVISION	IL0735350	1	ONLY ONE WELL	132	1/6/2021
HEATHERFIELD SUBDIVISION	IL0735250	1	ONLY ONE WELL	70	1/6/2021
HEATHERFIELD SUBDIVISION	IL0635150	2	ONLY ONE WELL	90	1/29/2021
HICKORY HILLS 2ND ADDITION	IL1615450	1	ONLY ONE WELL	42	7/28/2023
HIGHLAND SUBDIVISION	IL0895530	2	ONLY ONE WELL	40	1/8/2021
HILLCREST	IL1410250	1	INADEQUATE STORAGE CAPACITY	1224	11/2/2017
HILLCREST COURT 2ND ADDITION	IL1615490	1	ONLY ONE WELL	66	2/13/2024
HILLSDALE ESTATES, LLC	IL1615530	1	ONLY ONE WELL	163	8/14/2020
HILLSDALE PROPERTIES	IL1615728	1	ONLY ONE WELL	66	6/24/2020
HOLLANDS GROVE COURT SUBDIVISION	IL1795300	5	ONLY ONE WELL	40	12/2/2020
HOLLY HOCK HILL MHP	IL0975245	2	ONLY ONE WELL	47	8/28/2020
HOPEWELL	IL1235150	1	ONLY ONE WELL	420	7/1/2020
IL AMERICAN - LEONORE	IL0990400	1	ONLY ONE WELL	111	8/26/2020
IL AMERICAN - MIDWEST PALOS	IL0317050	2	ONLY ONE WELL	132	1/27/2021
IL AMERICAN - NETTLE CREEK	IL0630040	2	ONLY ONE WELL	317	1/29/2021
IL AMERICAN - RIDGECREST	IL0635100	2	ONLY ONE WELL	203	1/29/2021
IL PRAIRIE ESTATE SBDV WATER ASSN	IL0995300	1	ONLY ONE WELL	78	8/26/2020
INDIAN BLUFFS SUBDIVISION	IL1615520	1	ONLY ONE WELL	138	8/14/2020
INDIAN CREEK HOMEOWNERS AND WATER ASSN	IL1135250	4	ONLY ONE WELL	210	6/17/2020
IROQUOIS MOBILE ESTATES, INC.	IL0755185	4	ONLY ONE WELL	105	1/8/2021
JOHNSBURG 1	IL1110040	2	ONLY ONE WELL	174	8/28/2020
KENNEY	IL0390200	4	ONLY ONE WELL	374	1/29/2021
KNOLLS EDGE SUBDIVISION	IL1415250	1	ONLY ONE WELL	100	7/17/2020
LAFAYETTE	IL1750100	1	ONLY ONE WELL	250	12/2/2020
LAKE LYNWOOD WATER SYSTEM	IL0735330	1	ONLY ONE WELL	75	1/6/2021
LAKE WILDWIND LLC	IL2035125	1	ONLY ONE WELL	200	12/4/2020
LAND AND WATER ASSOCIATION	IL0995050	1	ONLY ONE WELL	100	8/26/2020
LASALLE	IL0990300	1	INADEQUATE TREATMENT CAPACITY	9700	11/1/2004
LINDENWOOD WATER ASSOCIATION	IL1415300	1	ONLY ONE WELL	38	7/22/2020
LISBON NORTH, INC.	IL0631000	2	ONLY ONE WELL	25	1/29/2021
LITTLE SWAN LAKE SD*	IL1875050	5	INADEQUATE SOURCE CAPACITY	438	7/11/2025



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LYNN WATER ASSOCIATION	IL0735100	1	ONLY ONE WELL	100	1/8/2021
LYNNWOOD WATER CORPORATION	IL0995336	1	ONLY ONE WELL	100	8/26/2020
LYNWOOD 3RD ADDITION	IL0735280	1	ONLY ONE WELL	100	1/6/2021
M C L W SYSTEM, INC.	IL1315150	1	ONLY ONE WELL	98	7/10/2020
MACOMB	IL1090350	5	INADEQUATE CLARIFIER CAPACITY	15052	12/14/2016
MAEYSTOWN	IL1330200	6	INADEQUATE SOURCE CAPACITY AND INADEQUATE TREATMENT CAPACITY	340	5/21/2024
MAQUON	IL0950350	5	ONLY ONE WELL	218	1/13/2021
MARSEILLES SOUTH	IL0990110	1	ONLY ONE WELL	100	8/26/2020
MASON CITY	IL1250350	5	INADEQUATE STORAGE CAPACITY	2558	1/1/2006
MAYFAIR SUBDIVISION	IL1795750	5	ONLY ONE WELL	90	12/11/2020
MAZON	IL0630500	2	NEAR A MANGANESE MCL VIOLATION	994	7/8/2022
MILL POINT MHP	IL2035165	1	ONLY ONE WELL	200	12/4/2020
MOUND CITY	IL1530100	7	ONLY ONE WELL	526	6/5/2020
MOUNT MORRIS ESTATES MHP	IL1415185	1	ONLY ONE WELL	395	7/15/2020
MOUNT VERNON ASSOCIATION INC.	IL0855100	1	ONLY ONE WELL	438	1/8/2021
NORTH HENDERSON	IL1310300	1	ONLY ONE WELL	172	7/2/2020
OAK GROVE MHP - ROCK ISLAND COUNTY	IL1617785	1	ONLY ONE WELL	138	12/2/2020
OAK VIEW ESTATES	IL0730120	1	ONLY ONE WELL	115	1/29/2021
OAKWOOD WEST SUBDIVISION	IL0730070	1	ONLY ONE WELL	57	1/29/2021
OPHIEM PWS	IL0735150	1	ONLY ONE WELL	110	1/8/2021
OTTAWA ESTATES MHP	IL0995225	1	ONLY ONE WELL	70	8/26/2020
PARADISE MANOR MHP	IL1617665	1	ONLY ONE WELL	200	11/20/2020
PARK MEADOWLAND WEST MHP	IL0075235	1	ONLY ONE WELL	100	1/27/2021
PAULS MHP	IL0975485	2	ONLY ONE WELL	38	8/28/2020
PHIL-AIRE ESTATES MHP	IL2015625	1	ONLY ONE WELL	80	12/4/2020
POLO DR AND SADDLE RD SUBDIVISION	IL0437000	2	ONLY ONE WELL	93	1/29/2021
POWERS WATER CO., INC	IL0895550	2	ONLY ONE WELL	216	1/8/2021
PRAIRIE OAKS ESTATES HOMEOWNERS' ASSOCIATION	IL0630060	2	ONLY ONE WELL	107	1/29/2021
PRAIRIE PATH WATER - CAMELOT	IL1975200	2	ONLY ONE WELL	777	12/9/2020
PRAIRIE PATH WATER - CEDAR WATER	IL0955150	5	ONLY ONE WELL	172	1/13/2021
PRAIRIE PATH WATER - CHERRY HILL WATER COMPANY	IL1975280	2	ONLY ONE WELL	833	12/9/2020
PRAIRIE PATH WATER - PORT BARRINGTON SHORES	IL0971120	2	ONLY ONE WELL	67	8/26/2020
PRAIRIE PATH WATER - ROCKVALE	IL1415350	1	ONLY ONE WELL PER DISTRIBUTION SYSTEM	298	10/10/2024
RAINBOW LANE MHP	IL2015645	1	ONLY ONE WELL	83	12/4/2020
RAINBOW RIDGE	IL1615580	1	ONLY ONE WELL	45	8/14/2020
REDDICK	IL0914780	2	ONLY ONE WELL	196	1/8/2021
RIDGEWOOD LEDGES WATER ASSOCIATION	IL1615670	1	ONLY ONE WELL	300	6/24/2020
ROLLING GREEN ESTATES MHP	IL1415245	1	ONLY ONE WELL	191	7/17/2020



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ROLLING MEADOWS MHC	IL1415265	1	ONLY ONE WELL	447	3/19/2024
RUSTIC ACRES WATER ASSOCIATION	IL0735500	1	ONLY ONE WELL	260	1/6/2021
SEATON	IL1310350	1	ONLY ONE WELL	214	7/2/2020
SENECA MOBILE HOMES LLC	IL0995425	1	ONLY ONE WELL	10	8/26/2020
SHERIDAN CORRECTIONAL CENTER	IL0995840	1	INADEQATE TREATMENT CAPACITY	1800	1/27/2023
SIX OAKS MHP	IL2015685	1	ONLY ONE WELL	48	12/4/2020
SPIN LAKE HOMEOWNERS' ASSOCIATION	IL1135140	4	ONLY ONE WELL	200	6/16/2020
STELLE COMMUNITY ASSOCIATION	IL0535100	4	ONLY ONE WELL	100	1/29/2021
STORYBOOK HIGHLANDS	IL0935250	2	ONLY ONE WELL	100	1/13/2021
STRATFORD WEST APARTMENTS	IL1095200	5	ONLY ONE WELL	44	8/26/2020
STRAWN	IL1050700	4	ONLY ONE WELL	104	8/26/2020
SUBURBAN APARTMENTS (DE KALB UNIV DVL)	IL0375148	1	INADEQUATE PRESSURE TANK	1050	12/16/1992
SUBURBAN HEIGHTS SUBDIVISION	IL1615800	1	ONLY ONE WELL	60	11/20/2020
TENNANTS SHADY OAKS SUBDIVISION	IL1615540	1	ONLY ONE WELL	44	8/14/2020
TIMBER RIDGE SUBDIVISION	IL0735470	1	ONLY ONE WELL	90	1/6/2021
TISKILWA	IL0111050	1	INADEQUATE STORAGE CAPACITY	740	9/20/2017
TOWER RIDGE SUBDIVISION	IL1615780	1	ONLY ONE WELL	77	11/20/2020
VALLEY VIEW MANOR	IL0195865	4	ONLY ONE WELL	120	1/27/2021
VALMEYER	IL1330250	6	INADEQUATE SOURCE CAPACITY AND INADEQUATE TREATMENT CAPACITY	1263	5/21/2024
VAN ORIN WATER COMPANY	IL0115000	1	ONLY ONE WELL	100	1/27/2021
VICTORIA	IL0950550	5	ONLY ONE WELL	268	1/13/2021
WATER WERKS	IL1615130	1	ONLY ONE WELL	43	8/5/2020
WATERMAN	IL0370600	1	ONLY ONE WELL	1506	1/27/2021
WHITE HALL	IL0610400	6	INADEQUATE STORAGE CAPACITY	2313	10/1/2012
WINDCREST SUBDIVISION	IL0730040	1	ONLY ONE WELL	49	1/29/2021
WINDING CREEK ESTATES	IL1615850	1	ONLY ONE WELL	120	11/20/2020
WINSLOW	IL1770550	1	ONLY ONE WELL	350	12/2/2020
YATES CITY	IL0950700	5	ONLY ONE WELL	828	1/13/2021
YOUNGS HILLCREST MHP	IL0190040	4	ONLY ONE WELL	34	1/27/2021



WATER SYSTEMS REMOVED FROM PREVIOUS LIST

APPLE CREEK WATER COOP
BELLMONT
BROWNING
MILLSTONE PWD

***WATER SYSTEMS ADDED**

COUNTRY ESTATES SUBDIVISION
EJ WATER - DEWEY
GOLCONDA
LITTLE SWAN LAKE SD
LONGVIEW
MILLSTONE PWD

****WATER SYSTEM UPDATES**

BROADVIEW ESTATES EAST PEORIA
LE ROY
SENECA MOBILE HOMES LLC



Restricted Status/Critical Review

The Environmental Protection Act prohibits the Agency from issuing a construction permit that will cause or extend a violation. A construction permit to expand the distribution system cannot be granted when a water supply has a maximum contaminant level or treatment technique violation, an inadequate source of raw water supply, inadequate treatment plant capacity, finished water storage or distribution system pressure. A Restricted Status List is published quarterly in the Illinois Pollution Control Board Environmental Register to notify those persons considering expansion of a water supply distribution system of that status before large sums of money have been spent on items such as land acquisition, financing, and engineering fees. A companion Critical Review List is published concurrently with the Restricted Status List and has the water supplies that are approaching a point where the supply could be placed on Restricted Status. A permit application from a supply on Critical Review will be examined carefully to ensure that the proposed construction will not cause a violation. An asterisk, *, beside the water supply indicates public water supplies that have been added to the Restricted Status/Critical Review list since the previous publication.

Restricted Status List

The Restricted Status List was developed to give additional notification to officials of public water supplies which are in violation of 35 Ill. Adm. Code, Subtitle F: Public Water Supplies, Chapter I or the Illinois Environmental Protection Act.

The Restricted Status List will include all Public Water Supplies for which the Agency has information indicating a violation of any of the following requirements: Finished water quality requirements of 35 Ill. Adm. Code, Part 611; maintenance of adequate pressure on all parts of the distribution system under all conditions of demand; meeting raw water quantity requirements; or maintenance of treatment facilities capable of providing water "assuredly adequate in quantity" as required by Section 18 of the Illinois Environmental Protection Act.

A public water supply on the Restricted Status List will not be issued permits for water main extensions, except for certain limited situations, or unless the supply has been granted a variance from the Illinois Pollution Control Board for the violation, or from permit issuance requirements of Section 39 of the Act. This list is continually being revised as new information becomes available, and therefore, specific inquiries as to the status of any public water supply should be directed to the Division of Public Water Supplies for final determination.

Critical Review List

The Critical Review List was developed to give additional notification to officials of public water supplies which may be close to being in violation of 35 Ill. Adm. Code, Subtitle F: Public Water Supplies, Chapter I or the Illinois Environmental Protection Act.

A supply will be placed on the Critical Review List when Agency records indicate that it is approaching any of the violations that would place it on the Restricted Status List.

This list is continually being revised as new information becomes available, and therefore, specific inquiries as to the status of any public water supply should be directed to the Division of Public Water Supplies for final determination.



HEALTH ADVISORY UPDATES

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
Office of Toxicity Assessment



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

2520 WEST ILES AVENUE, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-3397
JB PRITZKER, GOVERNOR JAMES JENNINGS, ACTING DIRECTOR

HEALTH ADVISORY UPDATE FOR PERFLUOROBUTANOIC ACID (PFBA) CHEMICAL ABSTRACT SERVICES REGISTRY NUMBER (CASRN) 375-22-4

Prepared by:
Office of Toxicity Assessment
Illinois Environmental Protection Agency
April 11, 2025

REASON FOR ACTION

A new methodology to calculate health advisory guidance levels is now in effect, which lowers the guidance level for Perfluorobutanoic Acid (PFBA) from 0.007 milligrams per liter (mg/L), or 7,000 nanograms per liter (ng/L) or parts per trillion (ppt) to 0.0038 milligrams per liter (mg/L), or 3,800 nanograms per liter (ng/L) or parts per trillion (ppt).

On September 16, 2024, Illinois Environmental Protection Agency (Illinois EPA) issued a health advisory for Perfluorobutanoic Acid (PFBA) after confirming detection of the chemical in a well of a Community Water Supply (CWS). This sample result came from Illinois EPA's sampling investigation of Per- and Polyfluoroalkyl Substances (PFAS) in CWS statewide. 35 Illinois Administrative Code 620.605(a) directs the Illinois EPA to issue a health advisory for a chemical substance if all of the following conditions are met:

2125 S. First Street, Champaign, IL 61820 (217) 278-5800
115 S. LaSalle Street, Suite 2203, Chicago, IL 60603
1101 Eastport Plaza Dr., Suite 100, Collinsville, IL 62234 (618) 346-5120
9511 Harrison Street, Des Plaines, IL 60016 (847) 294-4000

595 S. State Street, Elgin, IL 60123 (847) 608-3131
2309 W. Main Street, Suite 116, Marion, IL 62959 (618) 993-7200
412 SW Washington Street, Suite D, Peoria, IL 61602 (309) 671-3022
4302 N. Main Street, Rockford, IL 61103 (815) 987-7760

PLEASE PRINT ON RECYCLED PAPER



- 1) A community water supply well is sampled and a substance is detected and confirmed by resampling;
- 2) There is no standard under Section 620.410 for such chemical substance; and
- 3) The chemical substance is toxic or harmful to human health according to the procedures of Appendix A, B, or C.

The health advisory guidance level listed in the September 16, 2024 health advisory for PFBA was 0.007 milligrams per liter (mg/L), or 7,000 nanograms per liter (ng/L) or parts per trillion (ppt). The health advisory guidance level was calculated as required by the regulations at that time.

On March 20, 2025, the Illinois Pollution Control Board adopted final amendments to Part 620, and on April 11, 2025, the amendments were published in the *Illinois Register*. These amendments update certain exposure factors used for calculating health advisory guidance levels, resulting in Illinois EPA's issuance of an updated PFBA health advisory level of 0.0038 milligrams per liter (mg/L), or 3,800 nanograms per liter (ng/L) or parts per trillion (ppt).

The updated health advisory will be published in the Environmental Register (publication of the Illinois Pollution Control Board), and placed at the website: <https://pcb.illinois.gov/Resources/News>

The updated health advisory will also be placed on Illinois EPA's website at: <https://epa.illinois.gov/topics/water-quality/pfas/pfas-healthadvisory.html>

PURPOSE OF A HEALTH ADVISORY

In accordance with 35 Ill. Adm. Code 620.601, the purpose of a health advisory is to provide guidance levels that, in the absence of an applicable groundwater quality standard under Section 620.410, must be considered by Illinois EPA in: 1) establishing groundwater cleanup or action levels whenever there is a release or substantial threat of a release of a hazardous substance, pesticide, or another contaminant that represents a significant hazard to public health or the environment; 2) determining whether a community water supply is taking its raw water from a site or source consistent with regulatory requirements; and 3) developing Illinois Pollution Control Board (Board) rulemaking proposals for new or revised numerical standards.

Health advisories serve as informal technical guidance, intended to provide information about contaminant exposures and potential public health impacts. The guidance levels represent concentrations in drinking water at which no adverse health effects are expected to occur. Guidance levels are not enforceable or intended to be used as drinking water standards, also known as maximum contaminant levels (MCLs).



HEALTH ADVISORY GUIDANCE LEVEL FOR PFBA

Through issuance of this Health Advisory, Illinois EPA is providing public notice of its updated guidance level for PFBA in drinking water. For non-carcinogenic health effects, the updated guidance level is 0.0038 milligrams per liter (mg/L), or 3,800 nanograms per liter (ng/L) or parts per trillion (ppt).

Section 620.605 prescribes the methods for developing health advisories for carcinogens and non-carcinogens. PFBA does not meet the definition of a “carcinogen”, as defined in Section 620.110; therefore, the method for developing a health advisory for non-carcinogens was used. Briefly, this method specifies that the United States Environmental Protection Agency (U.S. EPA) MCL or maximum contaminant level goal (MCLG) is the guidance level, if available, or the human threshold toxicant advisory concentration (HTTAC) must be determined using the procedures contained in Appendix A of Section 620. U.S. EPA has not published an MCL or MCLG for PFBA; therefore, Illinois EPA used the Appendix A procedures to calculate a HTTAC for PFBA.

Appendix A specifies, in prescribed order, the toxicological data to be used in developing guidance levels. To determine appropriate toxicological data in accordance with nationally accepted guidelines, pursuant to the Illinois Groundwater Protection Act (415 ILCS 55-8(a)), Illinois EPA relied upon U.S. EPA guidance titled, “*Tier 3 Toxicity Value White Paper*” (paper), dated May 16, 2013, prepared by the U.S. EPA Office of Solid Waste and Emergency Response (OSWER) Human Health Regional Risk Assessors Forum. The paper lists a hierarchy of sources to be used when determining an appropriate toxicological value for use in human health assessments. The hierarchy for selection of toxicity values is as follows:

- Tier 1: U.S. EPA Integrated Risk Information System (IRIS).
- Tier 2: U.S. EPA Provisional Peer-Reviewed Toxicity Values (PPRTVs).
- Tier 3: In the order in which they are presented:
- 1) The U.S. Health and Human Services Agency for Toxic Substances and Disease Registry (ATSDR) Dose Minimal Risk Levels (dose MRLs).
 - 2) California EPA, Office of Environmental Health Hazard Assessment (OEHHA).
 - 3) PPRTV “Appendix” Values.
 - 4) Health Effects Assessment Summary Table (HEAST).

The paper also references peer-reviewed toxicity values developed by other federal programs to calculate provisional drinking water health advisory levels as a Tier 3 source. In 2022, U.S. EPA placed Office of Water PFAS toxicity values above California EPA’s OEHHA toxicity values within the Tier 3 hierarchy.

In December 2022, U.S. EPA’s Integrated Risk Information System (IRIS) published a peer-reviewed toxicological assessment titled, “*IRIS Toxicological Review of Perfluorobutanoic Acid (PFBA, CASRN*



375-22-4) and Related Salts.” U.S. EPA’s IRIS toxicological assessment recommends a chronic oral reference dose (RfD) equal to 0.001 (1E-03) mg/kg-day. The value is based on a critical effect of increased liver weight and adverse thyroid effects in adult male rats from a study by Butenhoff et al. titled “*Toxicological evaluation of ammonium perfluorobutyrate in rats: twenty-eight day and ninety-day oral gavage studies*,” published in 2012. A no-observed-adverse-effect level (NOAEL) of 6 mg/kg-day was identified for NH₄⁺PFBA, an ammonium salt of PFBA, and used to find the point of departure (POD) for PFBA by multiplying the NOAEL by the ratio of molecular weights (0.926) for a POD of 5.56 mg/kg-day. A human equivalent dose POD (POD_{HED}) of 1.27 mg/kg-day was then derived for oral PFBA exposure.

A total composite uncertainty factor (UF) of 1,000 (UF of 3 to account for toxicodynamic differences between humans and animals, UF of 10 to account for intraspecies variability, UF of 10 to account for extrapolation from subchronic to chronic, and UF of 3 to account for database uncertainties) was applied to the POD_{HED}.

The overall RfD for PFBA was calculated by dividing the POD_{HED} by the composite uncertainty factor.

$$RfD = \frac{POD_{HED}}{UF}$$

$$RfD = \frac{1.27 \text{ mg/kg-day}}{1,000}$$

$$RfD = 0.00127 \text{ mg/kg-day}$$

Rounded to one significant digit:

$$RfD = 0.001 \text{ mg/kg-day}$$

Using the RfD of 0.001 (1E-3) mg/kg-day, and the procedures outlined in Section 620. Appendix A, the recommended guidance level for drinking water is 0.0038 milligrams per liter (mg/L), or 3,800 nanograms per liter (ng/L) or parts per trillion (ppt).

CHEMICAL CHARACTERISTICS **AND** **POTENTIAL ADVERSE HEALTH EFFECTS**

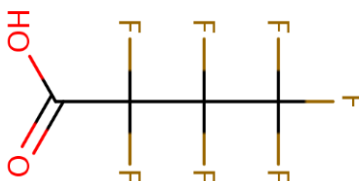
General Description of PFBA

Perfluorobutanoic Acid (CASRN 375-22-4), also known as heptafluorobutyric acid or PFBA, is a synthetic chemical which is part of a larger class of chemicals referred to as per- and polyfluoroalkyl substances. PFAS have been manufactured since the middle 20th Century and are known for their chemical and physical properties that impart oil and water repellency, temperature resistance, and friction reduction to a wide range of products, including, but not limited to, textile coatings, paper products, food wrappers,



cosmetic and personal care products, non-stick cookware and fire-fighting foams. PFAS are also used in the semiconductor, aerospace, oil production and mining, and metal plating industries, to name a few. PFAS enter the environment through industrial manufacturing and the use and disposal of PFAS-containing products. The chemical and physical properties of PFBA make it mobile, persistent and bioaccumulative, meaning fish and other animals may accumulate PFBA in animal tissue when their food sources are contaminated with PFBA. PFBA is known to be persistent in the environment.

Structural Identifier



Chemical Identifier



Potential Adverse Health Effects of PFBA

Epidemiological studies on human health effects from exposure to PFBA are limited in their ability to draw conclusions on the associations between health effects and exposure.

Information regarding health effects of PFBA are primarily derived from animal studies, via the ingestion, or oral exposure, route. Laboratory studies observed the following effects in animals exposed to PFBA:

- Increased relative liver weight
- Increased hepatocyte hypertrophy
- Increased thyroid hormone T4
- Embryo/fetal mortality
- Developmental delays

Carcinogenic Potential

Section 620.110. defines a carcinogen as a contaminant that is classified as: 1) a Category A1 or A2 Carcinogen by the American Conference of Governmental Industrial Hygienists (ACGIH); 2) a Category 1 or 2A/2B Carcinogen by the World Health Organization's International Agency for Research on Cancer (IARC); 3) a "Human Carcinogen" or "Anticipated Human Carcinogen" by the United States Department of Health and Human Service National Toxicological Program (NTP); or 4) a Category A or B1/B2 Carcinogen or as "carcinogenic to humans" or "likely to become carcinogenic to humans" by the U.S. EPA in IRIS or a Final Rule issued in a Federal Register notice by the USEPA. PFBA is not classified as a carcinogen by any of the above sources.



**ATTACHMENT TO HEALTH ADVISORY
FOR
PERFLUOROBUTANOIC ACID (PFBA)
CASRN 375-22-4**

OVERVIEW OF KEY STUDIES

For information regarding the studies used by U.S. EPA's IRIS for the derivation of its PFBA RfD, refer to *IRIS Toxicological Review of Perfluorobutanoic Acid (PFBA, CASRN 375-22-4) and Related Salts*, located at:

https://cfpub.epa.gov/ncea/iris_drafts/recordisplay.cfm?deid=350051.

DERIVATION OF THE HEALTH ADVISORY GUIDANCE LEVEL FOR PFBA

The first step in the derivation of a health advisory guidance level is to determine whether the chemical substance presents a carcinogenic risk to humans. PFBA does not meet the definition of a carcinogen as specified in Part 620. Therefore, the guidance level will be based on non-carcinogenic effects of this chemical.

In deriving a guidance level to protect against a health effect for which there is a threshold dose below which no damage occurs (i.e., noncarcinogen effects), Section 620.605 specifies that U.S. EPA's MCLG, if available, is the guidance level. U.S. EPA has not published a MCLG for PFBA; therefore, Illinois EPA must calculate the HTTAC as the guidance level, using the procedures specified in Appendix A of Section 620.

Appendix A specifies in subsection (a) that the HTTAC is calculated as follows:

$$HTTAC = \frac{RSC \cdot ADE}{W}$$

Where:

HTTAC = Human threshold toxicant advisory concentration in milligrams per liter (mg/L).

RSC = Relative source contribution, the relative contribution of the amount of exposure to a chemical via ingestion of drinking water when compared to total exposure to that chemical from all sources. Valid chemical-specific data must be used if available. If valid chemical-specific data are not available, a value of 20% (= 0.20) must be used.

ADE = Acceptable daily exposure of a chemical in milligrams per day (mg/d) as determined under Appendix A, subsection (b).

W = Per capita daily water consumption for a child (0-6 years of age), equal to 0.78 liters per day (L/d).



Subsection (b) of Appendix A specifies that the ADE be calculated using, in specified order: a U.S. EPA verified RfD (an estimate of a daily exposure to a chemical which is expected to be without adverse health effects for humans for a lifetime of exposure in units of mg/kg-day); the most sensitive Point of Departure (POD) as determined by Benchmark Dose Modeling or the NOAEL/LOAEL approach consistent with U.S. EPA RfD guidance; and derivation of a Human Equivalent Dose (HED) using physiologically based pharmacokinetic (PBPK) modeling or Dose Adjustment Factor (DAF), then divided by the total Uncertainty Factor (UF) and modifying factor (MF), if applicable. .

Illinois EPA selected the U.S. EPA IRIS recommended RfD of 0.001 (1E-3) mg/kg-day, as the verified RfD for use in calculating the ADE. The ADE equals the product of multiplying the toxicity value by 15 kilograms (kg), which is the updated assumed average body weight of a child age 0-6 years per Section 620:

$$ADE = 0.001 \text{ mg/kg-day} \cdot 15 \text{ kg} = 0.015 \text{ mg/day}$$

The next step in the development of the HTTAC is the evaluation of chemical-specific RSC data available for the chemical. Illinois EPA evaluated data from ATSDR, U.S. EPA Office of Water, and values developed by other states. There is little scientific consensus regarding the contribution of drinking water to the total amount of PFAS exposure to humans. Humans are exposed to PFBA through a variety of media, including, but not limited to air emissions, ingestion of fish or other animals exposed to PFBA, dermal exposure and incidental exposure from PFBA-containing consumer products, much of which varies on a site-specific basis. Due to this lack of consensus, Illinois EPA elected to use the conservative default value of 20% (0.20) for its HTTAC calculation.

The HTTAC is calculated by the product of the RSC and the ADE, divided by the per capita daily water ingestion rate for a child (0-6 years of age), specified in Appendix A as equal to 0.78 L/day:

$$HTTAC \text{ (mg/L)} = \frac{0.20 \cdot 0.015 \text{ mg/day}}{0.78 \text{ L/day}}$$

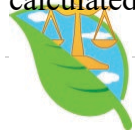
$$HTTAC \text{ (mg/L)} = \frac{0.003 \text{ mg/day}}{0.78 \text{ L/day}}$$

$$HTTAC = 0.0038 \text{ mg/L}$$

or:

$$3,800 \text{ ng/L or ppt}$$

The final step in ensuring a calculated guidance level is appropriate is to compare the guidance level to the chemical's practical quantitation limit (PQL), or minimum reporting level (MRL). U.S. EPA's Method 537.1 for analyses of PFAS drinking water samples shows the PFBA MRL is 1.8 ng/L, which is below the calculated guidance level of 3,800 ng/L. Therefore, the guidance level is appropriate.



REFERENCES

Butenhoff, JL; Bjork, JA; Chang, SC; Ehresman, DJ; Parker, GA; Das, K; Lau, C; Lieder, PH; van Otterdijk, FM; Wallace, KB. (2012). Toxicological evaluation of ammonium perfluorobutyrates in rats: twenty-eight-day and ninety-day oral gavage studies. Reproductive Toxicology, vol. 33. 513-530. Available at: <http://www.sciencedirect.com/science/article/pii/S0890623811003522>

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PCB (Pollution Control Board). Title 35: Environmental Protection: Subtitle F: Public Water Supplies: Chapter I: Pollution Control Board. Part 620: Groundwater Quality. Available at: <https://pcb.illinois.gov/SLR/IPCBandIEPAEnvironmentalRegulationsTitle35>

U.S. EPA (United States Environmental Protection Agency) Office of Solid Waste and Emergency Response (OSWER). 2013. Tier 3 Toxicity Value White Paper. OSWER Document Number 9285.7-86. Available at: <https://www.epa.gov/sites/production/files/2015-11/documents/tier3-toxicityvalue-whitepaper.pdf>

U.S. EPA IRIS Toxicological Review of Perfluorobutanoic Acid (PFBA, CASRN 375-22-4) and Related Salts. U.S. Environmental Protection Agency, Washington, DC, EPA/635/R-22/277Fb, 2022. Available at: https://cfpub.epa.gov/ncea/iris_drafts/recordisplay.cfm?deid=350051

HEALTH ADVISORY UPDATE FOR PERFLUOROHEXANOIC ACID (PFHxA) CHEMICAL ABSTRACT SERVICES REGISTRY NUMBER (CASRN) 307-24-4

Prepared by:
Office of Toxicity Assessment
Illinois Environmental Protection Agency
April 11, 2025

REASON FOR ACTION

A new methodology to calculate health advisory guidance levels is now in effect, which lowers the guidance level for Perfluorohexanoic Acid (PFHxA) from 0.0035 milligrams per liter (mg/L), or 3,500 nanograms per liter (ng/L) or parts per trillion (ppt) to 0.0019 milligrams per liter (mg/L), or 1,900 nanograms per liter (ng/L) or parts per trillion (ppt).



On January 28, 2021, Illinois Environmental Protection Agency (Illinois EPA) issued an initial health advisory for Perfluorohexanoic Acid (PFHxA) after confirming detection of the chemical in a well of a Community Water Supply (CWS). This sample result came from the Illinois EPA's sampling investigations of Per- and Polyfluoroalkyl Substances (PFAS) in CWS statewide. 35 Illinois Administrative Code 620.605(a) directs the Illinois EPA to issue a health advisory for a chemical substance if all of the following conditions are met:

- 1) A community water supply well is sampled, and a substance is detected and confirmed by resampling;
- 2) There is no standard under Section 620.410 for such chemical substance; and
- 3) The chemical substance is toxic or harmful to human health according to the procedures of Appendix A, B, or C.

On April 26, 2023, an updated health advisory for PFHxA was issued based on updated toxicity data. The health advisory for PFHxA was 0.0035 milligrams per liter (mg/L), or 3,500 nanograms per liter (ng/L) or parts per trillion (ppt). The health advisory guidance level was calculated as required by the regulations at that time.

On March 20, 2025, the Illinois Pollution Control Board adopted final amendments to Part 620, and on April 11, 2025, the amendments were published in the *Illinois Register*. These amendments update certain exposure factors used for calculating health advisory guidance levels, resulting in Illinois EPA's issuance of an updated PFHxA health advisory level of 0.0019 milligrams per liter (mg/L), or 1,900 nanograms per liter (ng/L) or parts per trillion (ppt).

The updated health advisory will be published in the Environmental Register (publication of the Illinois Pollution Control Board), and placed at the website: <https://pcb.illinois.gov/Resources/News>

The updated health advisory will also be placed on Illinois EPA's website at: <https://epa.illinois.gov/topics/water-quality/pfas/pfas-healthadvisory.html>

PURPOSE OF A HEALTH ADVISORY

In accordance with 35 Ill. Adm. Code 620.601, the purpose a health advisory is to provide guidance levels that, in the absence of an applicable groundwater quality standard under Section 620.410, must be considered by Illinois EPA in: 1) establishing groundwater cleanup or action levels whenever there is a release or substantial threat of a release of a hazardous substance, pesticide, or another contaminant that represents a significant hazard to public health or the environment; 2) determining whether a community water supply is taking its raw water from a site or source consistent with regulatory requirements; and 3) developing Illinois Pollution Control Board (Board) rulemaking proposals for new or revised numerical standards.

Health advisories serve as informal technical guidance, intended to provide information about contaminant exposures and potential public health impacts. The guidance levels represent concentrations in drinking



water at which no adverse health effects are expected to occur. Guidance levels are not enforceable or intended to be used as drinking water standards, also known as maximum contaminant levels (MCLs).

HEALTH ADVISORY GUIDANCE LEVEL FOR PFHxA

Through issuance of this updated Health Advisory, Illinois EPA is providing public notice of its updated guidance level for PFHxA in drinking water. For non-carcinogenic health effects, the updated guidance level is 0.0019 milligrams per liter (mg/L), or 1,900 nanograms per liter (ng/L) or parts per trillion (ppt).

Section 620.605 prescribes the methods for developing health advisories for carcinogens and non-carcinogens. PFHxA does not meet the definition of a “carcinogen”, as defined in Section 620.110; therefore, the method for developing a health advisory for non-carcinogens was used. Briefly, this method specifies that the United States Environmental Protection Agency (U.S. EPA) MCL or maximum contaminant level goal (MCLG) is the guidance level, if available, or the human threshold toxicant advisory concentration (HTTAC) must be determined using the procedures contained in Appendix A of Section 620. U.S. EPA has not published an MCL or MCLG for PFHxA; therefore, Illinois EPA used the Appendix A procedures to calculate a HTTAC for PFHxA.

Appendix A specifies, in prescribed order, the toxicological data to be used in developing guidance levels. To determine appropriate toxicological data in accordance with nationally accepted guidelines, pursuant to the Illinois Groundwater Protection Act (415 ILCS 55-8(a)), Illinois EPA relied upon U.S. EPA guidance titled, “*Tier 3 Toxicity Value White Paper*” (paper), dated May 16, 2013, prepared by the U.S. EPA Office of Solid Waste and Emergency Response (OSWER) Human Health Regional Risk Assessors Forum. The paper lists a hierarchy of sources to be used when determining an appropriate toxicological value for use in human health assessments. The hierarchy for selection of toxicity values is as follows:

Tier 1: U.S. EPA Integrated Risk Information System (IRIS).

Tier 2: U.S. EPA Provisional Peer-Reviewed Toxicity Values (PPRTVs).

Tier 3: In the order in which they are presented:

- 1) The U.S. Health and Human Services Agency for Toxic Substances and Disease Registry (ATSDR) Dose Minimal Risk Levels (dose MRLs).
- 2) California EPA, Office of Environmental Health Hazard Assessment (OEHHA).
- 3) PPRTV “Appendix” Values.
- 4) Health Effects Assessment Summary Table (HEAST).

On April 10, 2023, U.S. EPA’s IRIS published a final peer reviewed toxicological profile titled, “*IRIS Toxicological Review of Perfluorohexanoic Acid [PFHxA, CASRN 307-24-4] and Related Salts.*” U.S. EPA’s IRIS is listed as a Tier 1 toxicity value source. The IRIS toxicological profile recommends a



chronic oral reference dose (RfD) equal to 0.0005 (5E-04) mg/kg-day. The value is based on a critical effect of decreased offspring body weight in neonatal rats from exposure through gestation and lactation from a study by Loveless et. al., titled, “*Toxicological evaluation of sodium perfluorohexanoate*,” published in 2009. A benchmark dose 95% lower confidence limit at the 5% relative deviation response level (BMDL_{5RD}) of 10.62 mg/kg-day was identified and used as the point of departure (POD). A human equivalent dose POD (POD_{HED}) of 0.048 mg/kg-day was then derived by applying the ratio of the clearance between female rats and humans.

A total composite uncertainty factor (UF) of 100 (UF of 3 to account for toxicodynamic differences between humans and animals, UF of 10 to account for intrahuman variability, and UF of 3 to account for database uncertainties) was applied to the POD_{HED}.

The overall RfD for PFHxA was calculated by dividing the POD_{HED} by the composite uncertainty factor.

$$RfD = \frac{POD_{HED}}{UF}$$

$$RfD = \frac{0.048 \text{ mg/kg-day}}{100}$$

$$RfD = 0.00048 \text{ mg/kg-day}$$

Rounded to one significant digit:

$$RfD = 0.0005 \text{ mg/kg-day}$$

Using the RfD of 0.0005 (5E-4) mg/kg-day, and the procedures outlined in Section 620. Appendix A, the recommended guidance level for drinking water is 0.0019 milligrams per liter (mg/L), or 1,900 nanograms per liter (ng/L) or parts per trillion (ppt).

CHEMICAL CHARACTERISTICS **AND** **POTENTIAL ADVERSE HEALTH EFFECTS**

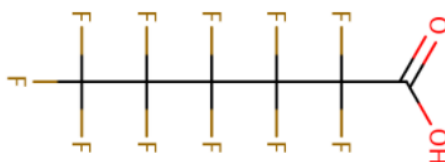
General Description of PFHxA

Perfluorohexanoic Acid (PFHxA) (CASRN 307-24-4), also known as undecafluorohexanoic acid or PFHxA, is a synthetic chemical which is part of a larger class of chemicals referred to as per- and polyfluoroalkyl substances. PFAS have been manufactured since the middle 20th Century and are known for their chemical and physical properties that impart oil and water repellency, temperature resistance, and friction reduction to a wide range of products, including, but not limited to, textile coatings, paper products, food wrappers, cosmetic and personal care products, non-stick cookware and fire-fighting foams. PFAS are



also used in the semiconductor, aerospace, oil production and mining, and metal plating industries, to name a few. PFAS enter the environment through industrial manufacturing and the use and disposal of PFAS-containing products. The chemical and physical properties of PFHxA make it mobile, persistent and bioaccumulative, meaning fish and other animals may accumulate PFHxA in animal tissue when their food sources are contaminated with PFHxA. PFHxA is known to be persistent in the environment.

Structural Identifier



Chemical Identifier



Potential Adverse Health Effects of PFHxA

Epidemiological studies on human health effects from exposure to PFHxA are limited in their ability to draw conclusions on the associations between health effects and exposure.

Information regarding health effects of PFHxA are primarily derived from animal studies, via the ingestion, or oral exposure, route. Laboratory studies observed the following effects in animals exposed to PFHxA:

- Increased liver weight
- Increased hepatocellular hypertrophy
- Increased perinatal mortality
- Decreased weight of offspring
- Reduced red blood cell count
- Decreased thyroid hormone

Carcinogenic Potential

Section 620.110. defines a carcinogen as a contaminant that is classified as: 1) a Category A1 or A2 Carcinogen by the American Conference of Governmental Industrial Hygienists (ACGIH); 2) a Category 1 or 2A/2B Carcinogen by the World Health Organization's International Agency for Research on Cancer (IARC); 3) a "Human Carcinogen" or "Anticipated Human Carcinogen" by the United States Department of Health and Human Service National Toxicological Program (NTP); or 4) a Category A or B1/B2 Carcinogen or as "carcinogenic to humans" or "likely to become carcinogenic to humans" by the U.S. EPA in IRIS or a Final Rule issued in a Federal Register notice by the USEPA. PFHxA is not classified as a carcinogen by any of the above sources.



**ATTACHMENT TO HEALTH ADVISORY
FOR
PERFLUOROHEXANOIC ACID (PFHxA)
CASRN 307-24-4**

OVERVIEW OF KEY STUDIES

For information regarding the studies used by IRIS for the derivation of its PFHxA RfD, refer to the IRIS Toxicological Review of Perfluorohexanoic Acid, located at:
https://cfpub.epa.gov/ncea/iris_drafts/recordisplay.cfm?deid=357314

DERIVATION OF THE HEALTH ADVISORY FOR PFHxA

The first step in the derivation of a health advisory is to determine whether the chemical substance presents a carcinogenic risk to humans. PFHxA does not meet the definition of a carcinogen as specified in Section 620. Therefore, the guidance level will be based on non-carcinogenic effects of this chemical.

In deriving a guidance level to protect against a health effect for which there is a threshold dose below which no damage occurs (i.e., non-carcinogen effects), Section 620.605 specifies that U.S. EPA's MCLG, if available, is the guidance level. U.S. EPA has not published a MCLG for PFHxA; therefore, Illinois EPA must calculate the HTTAC as the guidance level, using the procedures specified in Appendix A of Section 620.

Appendix A specifies in subsection (a) that the HTTAC is calculated as follows:

$$HTTAC = \frac{RSC \cdot ADE}{W}$$

Where:

- HTTAC = Human threshold toxicant advisory concentration in milligrams per liter (mg/L).
- RSC = Relative source contribution, the relative contribution of the amount of exposure to a chemical via ingestion of drinking water when compared to total exposure to that chemical from all sources. Valid chemical-specific data must be used if available. If valid chemical-specific data are not available, a value of 20% (= 0.20) must be used.
- ADE = Acceptable daily exposure of a chemical in milligrams per day (mg/d) as determined under Appendix A, subsection (b).
- W = Per capita daily water consumption for a child (0-6 years of age), equal to 0.78 liters per day (L/d).



Subsection (b) of Appendix A specifies that the ADE be calculated using, in specified order: a U.S. EPA verified RfD (an estimate of a daily exposure to a chemical which is expected to be without adverse health effects for humans for a lifetime of exposure in units of mg/kg-day); the most sensitive Point of Departure (POD) as determined by Benchmark Dose Modeling or the NOAEL/LOAEL approach consistent with U.S. EPA RfD guidance; and derivation of a Human Equivalent Dose (HED) using physiologically based pharmacokinetic (PBPK) modeling or Dose Adjustment Factor (DAF), then divided by the total Uncertainty Factor (UF) and modifying factor (MF), if applicable.

Illinois EPA selected the U.S EPA IRIS recommended RfD of 0.0005 (5E-4) mg/kg-day, as the verified RfD for use in calculating the ADE. The ADE equals the product of multiplying the toxicity value by 15 kilograms (kg), which is the assumed average body weight of a child (age 0-6 years) per Section 620:

$$ADE = 0.0005 \text{ mg/kg-day} \cdot 15 \text{ kg} = 0.0075 \text{ mg/day}$$

The next step in the development of the HTTAC is the evaluation of chemical-specific RSC data available for the chemical. Illinois EPA evaluated data from ATSDR, U.S. EPA Office of Water, and values developed by other states. There is little scientific consensus regarding the contribution of drinking water to the total amount of PFAS exposure to humans. Humans are exposed to PFHxA through a variety of media, including, but not limited to air emissions, ingestion of fish or other animals exposed to PFHxA, dermal exposure and incidental exposure from PFHxA-containing consumer products, much of which varies on a site-specific basis. Due to this lack of consensus, Illinois EPA elected to use the conservative default value of 20% (0.20) for its HTTAC calculation.

Finally, the HTTAC is calculated by the product of the RSC and the ADE, divided by the per capita daily water ingestion rate for a child (0-6 years of age), specified in Appendix A as equal to 0.78 L/day:

$$HTTAC \text{ (mg/L)} = \frac{0.20 \cdot 0.0075 \text{ mg/day}}{0.78 \text{ L/day}}$$

$$HTTAC \text{ (mg/L)} = \frac{0.0015 \text{ mg/day}}{0.78 \text{ L/day}}$$

$$HTTAC = 0.0019 \text{ mg/L}$$

or:

$$1,900 \text{ ng/L or ppt}$$

The final step in ensuring a calculated guidance level is appropriate is to compare the guidance level to the chemical's practical quantitation limit (PQL), or minimum reporting level (MRL). U.S. EPA's Method 537.1 for analyses of PFAS drinking water samples states the PFHxA MRL is 2 ng/L, which is below the calculated guidance level of 1,900 ng/L. Therefore, the guidance level is appropriate.



REFERENCES

- IGA (Illinois General Assembly). Illinois Groundwater Protection Act (IGPA). 415 ILCS 55. Available at: <https://www.ilga.gov/legislation/ilcs/ilcs3.asp?ActID=1595&ChapterID=36>
- Loveless, SE; Slezak, B; Serex, T; Lewis, J; Mukerji, P; O'Connor, JC; Donner, EM; Frame, , SR; Korzeniowski, SH; Buck, RC. 2009. Toxicological evaluation of sodium perfluorohexanoate. *Toxicology* 264: 32-44.
- PCB (Pollution Control Board). Title 35: Environmental Protection: Subtitle F: Public Water Supplies: Chapter I: Pollution Control Board. Part 620: Groundwater Quality. Available at: <https://pcb.illinois.gov/SLR/IPCBandIEPAEnvironmentalRegulationsTitle35>
- U.S. EPA (United State Environmental Protection Agency) Office of Solid Waste and Emergency Response (OSWER). 2013. Tier 3 Toxicity Value White Paper. OSWER Document Number 9285.7-86. Available at: <https://www.epa.gov/sites/production/files/2015-11/documents/tier3-toxicityvalue-whitepaper.pdf>
- U.S. EPA. Toxicological Review of Perfluorohexanoic Acid (PFHxA) and Related Salts (Final Report, 2023). U.S. Environmental Protection Agency, Washington, DC, EPA/635/R-23/027F, 2023. Available at: https://cfpub.epa.gov/ncea/iris_drafts/recordisplay.cfm?deid=357314



HEALTH ADVISORY SUMMARY LIST

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
Office of Toxicity Assessment



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

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JB PRITZKER, GOVERNOR JAMES JENNINGS, ACTING DIRECTOR

HEALTH ADVISORY SUMMARY LIST

Prepared by:
Office of Toxicity Assessment
Illinois Environmental Protection Agency
April 11, 2025

In accordance with 35 Illinois Administrative Code 620.610(b), the Illinois Environmental Protection Agency (Illinois EPA) is issuing a Health Advisory summary list. Section 620.610(b) directs the Illinois EPA to publish and make available to the public, at intervals of not more than 6 months, a comprehensive and up-to-date summary list of all Health Advisories.

The following table provides a summary list of all Illinois EPA Health Advisories currently in effect:

CASRN ¹	Chemical	Statewide Health Advisory Guidance Level (ng/L)	Health Advisory Issuance Date
307-24-4	Perfluorohexanoic acid (PFHxA)	1,900 ²	April 11, 2025
375-22-4	Perfluorobutanoic acid (PFBA)	3,800 ³	April 11, 2025

¹ CASRN = Chemical Abstract Services Registry Number

2125 S. First Street, Champaign, IL 61820 (217) 278-5800
115 S. LaSalle Street, Suite 2203, Chicago, IL 60603
1101 Eastport Plaza Dr., Suite 100, Collinsville, IL 62234 (618) 346-5120
9511 Harrison Street, Des Plaines, IL 60016 (847) 294-4000

595 S. State Street, Elgin, IL 60123 (847) 608-3131
2309 W. Main Street, Suite 116, Marion, IL 62959 (618) 993-7200
412 SW Washington Street, Suite D, Peoria, IL 61602 (309) 671-3022
4302 N. Main Street, Rockford, IL 61103 (815) 987-7760

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- ² On January 28, 2021, Illinois EPA issued a PFHxA Health Advisory Guidance Level of 560,000 ng/L. On April 26, 2023, Illinois EPA updated the Guidance Level to 3,500 ng/L due to the availability of updated toxicity data. On April 11, 2025, Illinois EPA updated the Guidance Level to 1,900 ng/L due to final amendments to Part 620.
- ³ On September 16, 2024, Illinois EPA issued a PFBA Health Advisory Guidance Level of 7,000 ng/L. On April 11, 2025, Illinois EPA updated the Guidance Level to 3,800 ng/L due to final amendments to Part 620.

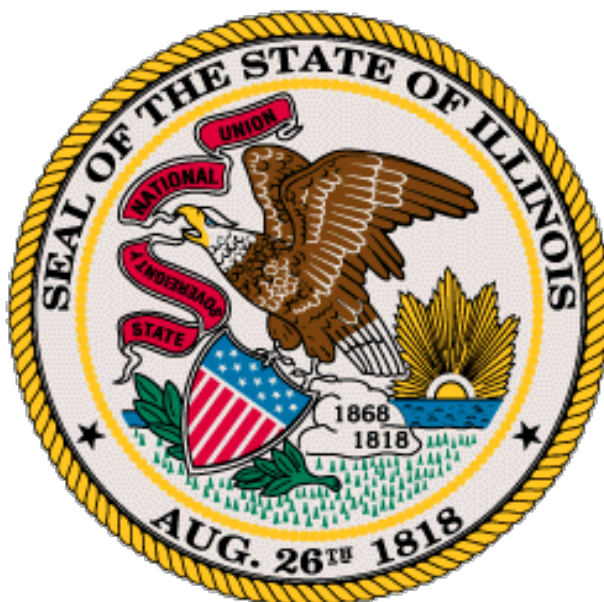
On March 20, 2025, the Illinois Pollution Control Board adopted final amendments to Part 620, and on April 11, 2025, the amendments were published in the Illinois Register. The adoption of final amendments to Part 620 included establishing standards under Section 620.410 for PFAS analytes including *Perfluorobutanesulfonic Acid (PFBS)*, *Perfluorohexanesulfonic Acid (PFHxS)*, *Perfluorononanoic Acid (PFNA)*, *Perfluorooctanesulfonic Acid (PFOS)*, and *Perfluorooctanoic Acid (PFOA)*. Therefore, the standards in Section 620.410 for these PFAS analytes replace the previously issued health advisories. Health advisories for *Perfluorohexanoic Acid (PFHxA)*, issued on January 28, 2021, and updated on April 26, 2023, and for *Perfluorobutanoic Acid (PFBA)*, issued on September 16, 2024, remain in effect.

The final amendments to Part 620 include updates to exposure factors used for calculating health-based guidance levels. The updated exposure factors account for adverse effects from exposure for children. Previously, the exposure factors in Part 620 calculated health-based guidance levels based on adult exposure.

On April 11, 2025, Illinois EPA issued Health Advisory updates for *PFHxA* and *PFBA* to reflect the exposure factor updates. The updated health-based guidance level for *PFHxA* is 0.0019 milligrams per liter (mg/L), or 1,900 nanograms per liter (ng/L) or parts per trillion (ppt). The updated health-based guidance level for *PFBA* is 0.0038 milligrams per liter (mg/L), or 3,800 nanograms per liter (ng/L) or parts per trillion (ppt).

For more information regarding Illinois EPA Health Advisories, please refer to the following link:
<https://epa.illinois.gov/topics/water-quality/pfas/pfas-healthadvisory.html>





A Publication of the Illinois Pollution Control Board

October 2025

Issues of the *Environmental Register* dating back to 1990 are available electronically at
<https://pcb.illinois.gov/>

