

What's New in LUST

April 11, 2025: 35 Illinois Administrative Code (35 Ill. Adm. Code) [Part 620](#) has been amended by the Illinois Pollution Control Board and published in the [Illinois Register](#) on April 11, 2025, with an effective date of March 28, 2025. Detailed information on amendments of Part 620 can be found [here](#). Following are the key updates that will affect the Leaking UST Program regulated under [35 Ill. Adm. Code Part 734](#):

Class I groundwater designations. Class I groundwater now includes groundwater within Phase I and Phase II Wellhead Protection Areas (WHPAs) and maximum setback zones. Any physical or modeled contamination plume resulting from a Leaking UST release must meet the Tier 1 groundwater remediation objectives within the Phase I and Phase II WHPAs and maximum setback zones. Identification of Phase I and Phase II WHPAs and maximum setback zones is required pursuant to Section 734.445.

Permeameter Test: Section 620.210(a) removes the permeameter test as a valid test to determine the hydraulic conductivity for the purpose of classifying groundwater. This change is in line with Section 734.315(a)(2)(E), which requires an in-situ hydraulic conductivity test.

Class I Groundwater Quality Standard (GQS) amendments: The Class 1 groundwater quality standards in Part 620 were updated for a total of forty-seven (47) constituents. In addition, thirteen (13) new constituents were added to the list, including six (6) per- and polyfluoroalkyl substances (PFAS). None of the new constituents are Leaking UST indicator contaminants.

Of the forty-seven (47) updated constituents, the fourteen (14) listed in the table below are Leaking UST indicator contaminants for petroleum as listed in Section 734.Appendix A. The GQSs for ten (10) of these constituents are now lower than their Tier 1 groundwater remediation objectives listed in Section 742.Appendix B, Section 742.Table E. The lower GQSs must be met before the Agency can issue a No Further Remediation letter that meets the requirements of Section 734.710(d)(1).

In addition, the GQSs for three (3) hazardous substances were updated to values less than their Tier 1 groundwater remediation objectives listed in Section 742.Appendix B, Section 742.Table E: acetone, di-*n*-butyl phthalate, and 2-butanone. As with the ten (10) petroleum indicator contaminants noted above, the lower GQSs for these three (3) hazardous substances must be met before the Agency can issue a No Further Remediation letter for UST releases regulated under 35 Ill. Adm. Code Part 731.

CASRN	Constituent	Previous Class I GQS (mg/L)	Updated Class I GQS (mg/L)
83-32-9	Acenaphthene	0.42	0.23
120-12-7	Anthracene	2.1	1.2
56-55-3	Benzo(a)anthracene	0.00013	0.00025
205-99-2	Benzo(b)fluoranthene	0.00018	0.00025
207-08-9	Benzo(k)fluoranthene	0.00017	0.0025
218-01-9	Chrysene	0.012	0.025
53-70-3	Dibenzo(a,h)anthracene	0.0003	0.0001
206-44-0	Fluoranthene	0.28	0.15
86-73-7	Fluorene	0.28	0.15
193-39-5	Indeno(1,2,3-c,d)pyrene	0.00043	0.00025
91-20-3	Naphthalene	0.14	0.077
129-00-0	Pyrene	0.21	0.12
1634-04-4	MTBE	0.07	0.038
7782-49-2	Selenium	0.05	0.02