

Case-by-Case Limitations (TBELs/WQBELs)

1. Disclosure Requirements

To ensure the technology-based effluent limitations (TBELs) and water quality-based effluent limitations (WQBELs) are correctly applied in the Notice of Intent (NOI), an operator must select any parameter listed or referenced in the attachments to this appendix in the NOI when:

1. “Known present”; meaning, the results of at least one water sample indicates a detected value; or
2. “Believed present”; meaning, no water sample results are available, but the operator is disclosing the likely presence of the parameter based on the site history; or
3. “Known present” in “soil-only”; meaning the results of at least one soil/sediment sample indicates a detected value.

2. Limitations

The numeric effluent limitations in this appendix apply to a discharge on a case-by-case basis in accordance with Part 2.1 of the DRGP for any parameter known or believed present at a site in the source water or soil/sediment at any concentration. The numeric limitations are water quality-based (WQBELs) based on the applicable State numeric water quality criteria, adjusted for allowable dilution up to the technology-based (TBELs) maximum, based on technology, if indicated below. All TBELs are a daily maximum limit, and all WQBELs are both daily maximum and monthly average, for acute and chronic/human health criteria, respectively, unless otherwise noted.

Parameter	Limitation	
	WQBEL	Maximum (TBEL)
Total Residual Chlorine	Footnote 1 for MA	0.2 mg/L
Antimony		206 µg/L
Arsenic	Footnote 2 for NH	104 µg/L
Cadmium		10.2 µg/L
Chromium III	Footnote 3 for VT	323 µg/L
Chromium VI		323 µg/L
Copper	Footnote 4 for RI	242 µg/L
Iron		5,000 µg/L
Lead	Footnote 5 for CT	160 µg/L
Mercury		0.739 µg/L

¹ Massachusetts Surface Water Quality Standards 314 CMR 4.00 (or as revised).

² New Hampshire Code of Administrative Rules Chapter Env-Wq 1700, and RSA 485-A:8 (or as revised).

³ Vermont Environmental Protection Rule Chapter 29A (or as revised).

⁴ Rhode Island Water Quality Regulations, 250-RICR-150-05-1 (or as revised).

⁵ Connecticut Water Quality Standards, Title 22a (or as revised).

Parameter	Limitation
Nickel	1,450 µg/L
Selenium	235.8 µg/L
Silver	35.1 µg/L
Zinc	420 µg/L
Cyanide	178 mg/L
Total BTEX	100 µg/L
Benzene	5.0 µg/L
1,4 Dioxane	200 µg/L
Acetone	7.97 mg/L
Phenol	1,080 µg/L
Carbon Tetrachloride	4.4 µg/L
1,2 Dichlorobenzene	600 µg/L
1,3 Dichlorobenzene	320 µg/L
1,4 Dichlorobenzene	5.0 µg/L
Total dichlorobenzene	763 µg/L in NH
1,1 Dichloroethane	70 µg/L
1,2 Dichloroethane	5.0 µg/L
1,1 Dichloroethylene	3.2 µg/L
Ethylene Dibromide	0.05 µg/L
Methylene Chloride	4.6 µg/L
1,1,1 Trichloroethane	200 µg/L
1,1,2 Trichloroethane	5.0 µg/L
Trichloroethylene	5.0 µg/L
Tetrachloroethylene	5.0 µg/L
cis-1,2 Dichloroethylene	70 µg/L
Vinyl Chloride	2.0 µg/L
Total Phthalates	190 µg/L
Diethylhexyl phthalate	101 µg/L
Total Group I Polycyclic Aromatic Hydrocarbons	1.0 µg/L
Total Group II Polycyclic Aromatic Hydrocarbons	100 µg/L
Naphthalene	20 µg/L
Total Polychlorinated Biphenyls	0.5 µg/L
Pentachlorophenol	1.0 µg/L
Total Petroleum Hydrocarbons	5.0 mg/L
Methyl-tert-Butyl Ether	70 µg/L
tert-Butyl Alcohol	120 µg/L in MA 40 µg/L in NH
tert-Amyl Methyl Ether	90 µg/L in MA 140 µg/L in NH

3. State Numeric Water Quality Criteria

1. The applicable criteria are those numeric criteria found in State water quality standards (WQSs). References for each State are provided as direct document links on EPA's DRGP website below this Appendix, as listed in footnote 1 through footnote 5, above.

4. Site-Specific Criteria

1. The requirements of this Part are applicable to discharges to the surface waters listed 314 CMR 4.06, Table 28, which are generally located in the following basins/drainage areas:

Blackstone River, Buzzards Bay and Cape Cod Coastal drainage areas, Charles River, Chicopee River, Connecticut River, French River, Hudson River, Housatonic River, Ipswich River, Millers River, Nashua River, Quinebaug River, South Coastal drainage area, SuAsCo River basin, Taunton River, Ten Mile River, and Westfield River.

2. Operators that discharge to a surface water subject to site-specific criteria identified in 314 CMR 4.06, Table 28 shall comply with the corresponding criteria listed, which include the following pollutants:

Total nitrogen, bioactive nitrogen, total phosphorus, copper, and zinc.

5. Determine if a case-by-case limitation applies:

1. An operator is not required to collect source water or soil samples for any of the listed case-by-case parameters for the purposes of completing a NOI, unless otherwise requested by EPA and/or the applicable State. The operator must review existing data for their site to determine the presence or likely presence of a given parameter. When a given parameter is indicated as known or believed present at a site, the NOI automatically calculates a case-by-case limitation.
2. For any parameter with a case-by-case limitation in this appendix and a limit in Part 2.1 of the DRGP, the limit in this appendix applies if: 1) The limitation for a given parameter in this appendix is more stringent than the limit for that parameter in Part 2.1 of the DRGP; or 2) EPA or the applicable State determines that the limit in this appendix for a given parameter is necessary to meet the requirements of the DRGP and/or State WQSs.
3. For any parameter with a limit in this appendix and a limit in Appendix G (impaired waters limitations) of the DRGP, the limit in Appendix G applies. This limit is frequently expected to be the WQBEL calculated in this appendix with no dilution.