**Section 186.115 Incorporation by Reference**

a) The Agency incorporates the following documents by reference.

1) The NELAC Institute (TNI) Standard titled Requirements for the National Environmental Laboratory Accreditation Program, consisting of Volume 1, Management and Technical Requirements for Laboratories Performing Environmental Analysis, EL-V1-2016-Rev.2.1; and Volume 2, General Requirements for Accreditation Bodies Accrediting Environmental Laboratories, EL-V2-2016-Rev.2.0, P.O. Box 2439, Weatherford TX 76086, (817)598-1624.

2) "Test Methods for Evaluating Solid Waste, SW846", "Laboratory Manual Physical/Chemical Properties", volumes 1A, 1B and 1C, 3rd edition (July 2014), Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency, available from the National Technical Information Service (NTIS), (703)605-6000 (available at https://www.epa.gov/hw-sw846/sw-846-compendium).

1000 Series: Waste Characteristics and Leaching/Extracting Methods

3000 Series: Inorganic Sample Preparation

3500 Series: Organic Sample Extraction

3600 Series: Organic Extract Cleanup

5000 Series: Sample Preparation and Introduction for Volatile Organic Compounds

6000 Series: Inorganic Determinative Methods – Inductively Coupled Plasma (ICP) and Other Methods

7000 Series: Inorganic Determinative Methods – Atomic Absorption (AA) and Other Methods

8000 Series: Chromatographic Separation Methods

9000 Series: Miscellaneous Test Methods

3) USEPA, NSCEP. United States Environmental Protection Agency, National Service Center for Environmental Publications, P.O. Box 42419, Cincinnati OH 45242-0419 (available from http://www.epa.gov/nscep/)*.*

Method 218.7, "Determination of Hexavalent Chromium in Drinking Water by Ion Chromatography with Post-Column Derivatization and UV − Visible Spectroscopic Detection", Revision 1.0, November 2011, EPA 815-R-11-005.

4) "Manual for the Certification of Laboratories Analyzing Drinking Water", "Criteria and Procedures Quality Assurance", 5th edition (EPA 815-R-05-004, January 2005), Office of Water, Office of Ground Water and Drinking Water, Environmental Protection Agency, available from the National Service Center for Environmental Publications (NSCEP), (800) 490-9198 (available at https://www.epa.gov/dwlabcert/laboratory-certification-manual-drinking-water).

"Supplement 1 to the Fifth Edition of the Manual for the Certification of Laboratories Analyzing Drinking Water" (Supplement 1 to EPA 815-R-05-004, 2008), Office of Water, Office of Ground Water and Drinking Water, U.S. Environmental Protection Agency, available from the National Service Center for Environmental Publications (NSCEP), (800) 490-9198 (available at https://www.epa.gov/dwlabcert/laboratory-certification-manual-drinking-water).

5) EPA PFAS Drinking Water Laboratory Methods (available at www.epa.gov/pfas/epa-pfas-drinking-water-laboratory-methods).

Method 533, "Determination of Per- and Polyfluoroalkyl Substances in Drinking Water by Isotope Dilution Anion Exchange Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry," November 2019, EPA 815-B-19-20.

Method 537.1, "Determination of Selected Per- and Polyfluorinated Alkyl Substances in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS)," Revision 2.0, March 2020, EPA 600/R-20/006.

6) Environmental Sampling and Analytical Methods (ESAM) Program (available at https://www.epa.gov/esam/method-546-determination-total-microcystins-and-nodularins-drinking-water-and-ambient-water).

Method 546, "Determination of Total Microcystins and Nodularins in Drinking Water and Ambient Water by Adda Enzyme-Linked Immunosorbent Assay," August 2016, EPA 815-B-16-011.

7) The SW-846 Compendium (available at https://www.epa.gov/hw-sw846/sw-846-compendium).

Method 8327, "Per- and Polyfluoroalkyl Substances (PFAS) By Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS), SW-0846 Update VII, Revision 0, July 2021.

Method 3512, "Solvent Dilution of Non-Potable Waters," SW-846 Update VII, Revision 0, July 2021.

8) CWA Analytical Methods for Per- and Polyfluorinated Alkyl Substances (PFAS) (available at https://www.epa.gov/cwa-methods/cwa-analytical-methods-and-polyfluorinated-alkyl-substances-pfas).

Method 1633 "Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in Aqueous, Solid, Biosolids, and Tissue Samples by LC-MS/MS".

b) The Agency incorporates the following Sections of federal regulations by reference:

1) 40 CFR 136.3 Table IB, Table IC, Table ID, Table IF, Table IG, Table II (2020)

40 CFR 136.4 (2020)

40 CFR 136.5 (2020)

40 CFR 136.6 (2020)

40 CFR 136.7 (2020)

40 CFR 136 appendix A (2020)

40 CFR 136 appendix B (2020)

40 CFR 136 appendix C (2020)

40 CFR 136 appendix D (2020)

Clean Water Act Methods Update Rule for the Analysis of Effluent, 86 Fed. Reg. 27226-27260 (May 19, 2021) (updating 40 CFR 136)

2) 40 CFR 141.23(k) (2020)

40 CFR 141.24(e) (2020)

40 CFR 141.24(f)(20) (2020)

40 CFR 141.27 (2020)

40 CFR 141.74 (2020)

40 CFR 141.131 (2020)

40 CFR 141 subpart C, appendix A (2020)

40 CFR 143.4 (2020)

Expedited Approval of Alternative Test Procedures for the Analysis of Contaminants Under the Safe Drinking Water Act: Analysis and Sampling Procedures, 86 Fed. Reg. 28277-28290 (May 26, 2021) (updating 40 CFR 141)

c) This Section incorporates no later amendments or editions.

(Source: Amended at 48 Ill. Reg. 5271, effective March 19, 2024)