



Analytical Services in Support of NJDEP Remediation Standards Rule Amendments of 2021

Alpha Analytical has provided this technical bulletin to summarize our sample analytical services in support of the NJDEP Remediation Standards Rule Amendments (N.J.A.C. 7:26D, enacted May 2021) and related revised Technical Guidance (posted in May and July 2021).

NJDEP Remediation Standards Rule Amendments:

NJDEP recently published Amendments to the Remediation Standards Rule (N.J.A.C. 7:26D, enacted May 17, 2021). This rule includes a pathway evaluation approach and revised remediation standards for soil, soil migration to groundwater, surface water, soil leachate, and indoor air. NJDEP also published other documents to facilitate rule implementation, including the basis and background documents for the rule amendments, revised phase-in period guidance, revised order of magnitude guidance, revised exposure pathway calculators, and information (previously posted) on extractable petroleum hydrocarbons, chromium, PCBs, and recently revised technical guidance documents. Refer to:

<https://www.nj.gov/dep/srp/guidance/rs/>

Phase-In Period for Rule Implementation:

NJDEP revised the Phase-In Period Guidance (Version 2.0, May 2021) to facilitate rule implementation. Refer to:

<https://www.nj.gov/dep/srp/guidance/rs/phasein.pdf>

Revised Order of Magnitude Evaluation Guidance:

NJDEP revised the Order of Magnitude Evaluation Guidance (Version 2.0, May 2021) to facilitate rule implementation. Refer to:

https://www.nj.gov/dep/srp/guidance/rs/ord_mag_guidance.pdf

Revised Technical Guidance:

NJDEP revised several technical guidance documents related to rule implementation. These are summarized below. Refer to:

<https://www.nj.gov/dep/srp/guidance/>

- **Attainment of Remediation Standards and Site-Specific Criteria** (Version 2.0, July 2021) describes when rounding of analytical laboratory data is acceptable (and when not) for different exposure pathways and for different project applications. When allowed, rounding should be carried out by the investigator to the number of significant figures expressed in the applicable remediation standard, as discussed in Appendix B of this guidance, using the rounding rules contained in the ASTM E29-13 Standard Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications. A change log accompanies this guidance.
- **Alternative Remediation Standards Technical Guidance for Soil and Soil Leachate for the Migration to Groundwater Exposure Pathway** (Version 1.0, May 2021) which incorporates and replaces the documents for the pathway formerly known as the Soil Impact to Groundwater pathway. A change log is provided in Appendix E of this guidance.

- **Alternative Remediation Standards Technical Guidance for Soil for the Ingestion-Dermal and Inhalation Exposure Pathways** (Version 1.0, May 2021).
- **Vapor Intrusion Technical Guidance** (Version 5.0, May 2021) revisions include changing the Indoor Air Screening Levels (IASLs) to Indoor Air Remediation Standards (IARS) and discussion on how to use the Indoor Air Remediation Standards and Vapor Intrusion Screening Levels in the evaluation of a site. NJDEP also posted comparison tables (2021 vs. 2013), a change log, and the basis and background documents for the new indoor air standards to accompany the revised vapor intrusion guidance document. Refer to:
<https://www.nj.gov/dep/srp/guidance/vaporintrusion/>.

Training Sessions for Rule Implementation:

NJDEP held training sessions in June 2021 to facilitate rule implementation. To access the training materials, refer to:
<https://www.nj.gov/dep/srp/srra/training/>

NJDEP and USEPA PCB Remediation Policies Coordination:

NJDEP posted revised documents (in July 2020) regarding coordination of PCB remediation policies. These documents, available on the SRP Guidance Library web site, include a discussion of soil remediation standards and soil impact to groundwater screening levels, as well as a discussion of concrete and TSCA project applications. Refer to:
<https://www.nj.gov/dep/srp/guidance/pcbremediation/pcbremediation.pdf>

Please contact your Alpha Analytical Project Manager or Account Representative for more information.
Visit us on the web at: www.alphalab.com

How to Reach Us

800-624-9220 | info@alphalab.com | www.alphalab.com

Westborough, MA | Mansfield, MA | Brewer, ME | Portsmouth, NH | Albany, NY | Buffalo, NY | Rochester, NY
Syracuse, NY | Cincinnati, OH | Holmes, PA | Mahwah, NJ

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