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ADOPTIONS SECTION

ENVIRONMENTAL PROTECTION

SITE REMEDIATION AND WASTE MANAGEMENT

Notice of Administrative Correction

Remediation Standards

N.J.A.C. 7:26D Appendix 1, Tables 1A and 1B

Take notice that on September 18, 2017, the New Jersey Department of Environmental Protection (Department) published a notice of administrative change to Appendix 1, Tables 1A and 1B, of the Remediation Standards, N.J.A.C. 7:26D (49 N.J.R. 3160(a)). The soil remediation standards for 1,1,1-trichloroethane and hexachloroethane are incorrect in the notice of administrative change, as discussed below, and are corrected through this notice.

The soil remediation standards are also available on the Department's website at www.nj.gov/dep/rules/rules/njac7_26d.pdf.

Corrected Remediation Standards

Hexachloroethane

In the notice of administrative change referenced above, in Appendix 1, Table 1B, the Inhalation Health-based Criterion for hexachloroethane is listed as 10,200 mg/kg. This value was listed in error, as the value is in excess of the soil saturation level for hexachloroethane. The soil saturation level corresponds to the contaminant concentration in soil at which the absorptive limit of the soil particles, the solubility limit of the soil pore water, and saturation of soil pore air

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are reached. This means that, regardless of the concentration of the contaminant in soil, the calculated health-based criterion can never be exceeded and, therefore, a health-based criterion is not needed for the inhalation exposure pathway for hexachloroethane. The Department determined not to establish numeric inhalation soil criteria for contaminants for which the calculated health-based criterion is greater than the contaminant's soil saturation level, which is reflected in Tables 1A and 1B as NA. As such, the Inhalation Health-based Criterion for hexachloroethane contained in Appendix 1, Table 1B is changed to NA. This correction does not change the updated non-residential direct contact soil remediation standard of 48 mg/kg for hexachloroethane.

1,1,1-Trichloroethane

In the notice of administrative change referenced above, in Appendix 1, Table 1A, the Inhalation Health-based Criterion for 1,1,1-trichloroethane is listed as 22,000 mg/kg. This value was listed in error, as the value is in excess of the soil saturation level for 1,1,1-trichloroethane. The soil saturation level corresponds to the contaminant concentration in soil at which the absorptive limit of the soil particles, the solubility limit of the soil pore water, and saturation of soil pore air are reached. This means that, regardless of the concentration of the contaminant in soil, the calculated health-based criterion can never be exceeded and, therefore, a health-based criterion is not needed for the inhalation exposure pathway for 1,1,1-trichloroethane. The Department determined not to establish numeric inhalation soil criteria for contaminants for which the calculated health-based criterion is greater than the contaminant's soil saturation level, which is reflected in Tables 1A and 1B as NA. As such, the Inhalation Health-based Criterion for

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1,1,1-trichloroethane contained in Appendix 1, Table 1A is changed to NA. As a result of this correction, the updated residential direct contact soil remediation standard for 1,1,1-trichloroethane is changed to 160,000 mg/kg, which is the Ingestion-Dermal Health-based Criterion.

Full text of the corrected rule follows (additions indicated in boldface **thus**; deletions indicated in brackets [thus]):

APPENDIX 1

SOIL REMEDIATION STANDARDS TABLES

Table 1A – Residential Direct Contact Health Based Criteria and
Soil Remediation Standards (mg/kg)

<u>Contaminant</u>	<u>CAS No.</u>	Ingestion-Dermal Health-based <u>Criterion</u>	Inhalation Health-based <u>Criterion</u>	Soil (PQL)	Residential Direct Contact Soil Remediation <u>Standard</u>

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1,1,1-Trichloroethane	71-55-6	160,000	[22,000] NA	0.005	[22,000] 160,000
...					

Table 1B – Non-Residential Direct Contact Health Based Criteria and
Soil Remediation Standards (mg/kg)

<u>Contaminant</u>	<u>CAS No.</u>	Ingestion- Dermal Health-based <u>Criterion</u>	Inhalation Health-based <u>Criterion</u>	Soil (PQL)	Non- Residential Direct Contact Soil Remediation <u>Standard</u>
...					
Hexachloroethane	67-72-1	48	[10,200] NA	0.2	48
...					

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