SITE REMEDIATION & WASTE MANAGEMENT PROGRAM
IMPLEMENTATION OF NEW GROUND WATER REMEDIATION STANDARDS
(updated January 18, 2018)

BACKGROUND

Effective January 16, 2018, the ground water remediation standards for three constituents were revised based on adopted amendments to Ground Water Quality Standards, N.J.A.C. 7:9C, published in the January 16, 2018 edition of the New Jersey Register (see 50 N.J.R. 334(a)). These amendments, in part, replaced the interim specific ground water quality standards with specific ground water quality standards for 23 constituents, including more stringent standards for three of these constituents.

A courtesy copy of the rule adoption is available on the Department's website at www.nj.gov/dep/rules/adoptions.html along with the final Basis and Background document that explains the derivation of the adopted criteria, practical quantitation levels (PQLs), and standards. An unofficial version of the amended rules is also available on the Department's website at www.nj.gov/dep/rules/nj_env_law.html.

Pursuant to the Remediation Standards rule at N.J.A.C. 7:26D- 2.2(a)1, Class II-A specific ground water quality standards developed pursuant to N.J.A.C. 7:9C-1.7(c) are ground water remediation standards for Class II-A ground water. As a result of the adopted amendments to the Ground Water Quality Standards, the ground water remediation standards are affected as follows:

The ground water remediation standards for the following 20 contaminants remain the same as when they were established as interim specific ground water quality standards:

Constituent	**Date Interim Criterion Posted**
1-Chloro-1,1-difluoroethane	November 25, 2015
Cobalt	February 11, 2008
Cresols (mixed isomers)	November 25, 2015
1,1-Dichloro-1-fluoroethane	November 25, 2015
Dichlormid	February 11, 2008
1,4-Dioxane	November 25, 2015 (Revised)
Diphenyl ether	February 11, 2008
2-Ethyl-1-hexanol	February 11, 2008
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	February 11, 2008
2-(2-Methyl-4-chlorophenoxy) propionic acid (MCCP)	February 11, 2008
2-Methylnaphthalene	February 11, 2008
Metolachlor	February 11, 2008
Perchlorate	March 26, 2007
Perfluorononanoic acid (PFNA)	November 25, 2015
Strontium	November 25, 2015
1,1,2-Trichloro-1,1,2-trifluoroethane (Freon 113)	November 25, 2015
1,1,1-Trifluoroethane	November 25, 2015
2,4,6-trinitrotoluene (TNT)	February 11, 2008
Tri-cresyl phosphate (mixed isomers)	November 25, 2015
Tri-ortho-cresyl phosphate	November 25, 2015

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- The ground water remediation standards for the following three (3) contaminants are decreasing (becoming more stringent) from the prior interim specific ground water quality standards (established on February 11, 2008):

    - Caprolactam (ground water remediation standard decreases from 5,000 micrograms per liter (ug/L) to 4,000 ug/L)
    - 4,6-Dinitro-o-cresol (ground water remediation standard decreases from 1 ug/L to 0.7 ug/L)
    - 2-Hexanone (ground water remediation standard decreases from 300 ug/L to 40 ug/L)

IMPLEMENTATION

The ground water remediation standards for the 20 contaminants for which the ground water quality standard did not change remain in effect. The ground water remediation standards for the three (3) contaminants for which the ground water quality standard decreased (became more stringent) are effective as of January 16, 2018.

I. For sites that do not have a final remediation document

A. Ground water remediation standards that have not changed

As the ground water remediation standards for these 20 contaminants have not changed, there is no new impact on their implementation in the remediation of contaminated sites.

B. Ground water remediation standards that have decreased

Except as provided below, the person responsible for conducting the remediation must use the new ground water remediation standards for the three affected contaminants.

The person responsible for conducting the remediation may continue to remediate a site using ground water remediation standards in effect prior to January 16, 2018, if the following conditions exist:

1. The site being remediated has either:
    a. An existing Remedial Action Workplan or Remedial Action Report approved by the Department prior to January 16, 2018, or

    b. An existing Remedial Action Workplan or Remedial Action Report certified by a licensed site remediation professional (LSRP) and that has been submitted to the Department prior to January 16, 2018.

– OR –

2. The site being remediated will have by July 16, 2018 either:
    a. A Remedial Action Workplan or Remedial Action Report approved by the Department, or

    b. A Remedial Action Workplan or Remedial Action Report certified by an LSRP and submitted to the Department.

Additionally, the remedial action must be conducted within the applicable regulatory timeframe as specified in the Technical Requirements for Site Remediation at N.J.A.C. 7:26E-5.8.

II. For sites that have a final remediation document

A. Ground water remediation standards that have not changed

As the ground water remediation standards for these 20 contaminants have not changed, there is no further evaluation needed.

B. Ground water remediation standards that have decreased

As the ground water remediation standards for the three contaminants have decreased by less than an order of magnitude, there is no further evaluation needed.