

THIS IS A COURTESY COPY OF THIS NOTICE OF ADMINISTRATIVE CHANGE. THE OFFICIAL VERSION WAS PUBLISHED IN THE AUGUST 20, 2007 NEW JERSEY REGISTER (39 N.J.R. 3538(a)). SHOULD THERE BE ANY DISCREPANCIES BETWEEN THIS TEXT AND THE OFFICIAL VERSION OF THE PROPOSAL, THE OFFICIAL VERSION WILL GOVERN.

NJ DEPARTMENT OF ENVIRONMENTAL PROTECTION

Land Use Management
Water Monitoring and Standards

Notice of Administrative Change

Ground Water Quality Standards

Modification of the Specific Criteria in N.J.A.C. 7:9C Appendix Table 1 for Barium and Toluene

Public Notice

Take notice that the New Jersey Department of Environmental Protection (Department) is amending Appendix Table 1 of the Ground Water Quality Standards (GWQS) rules, N.J.A.C. 7:9C, to modify the specific ground water quality criteria for barium and toluene based on U.S. Environmental Protection Agency (USEPA) revisions to the Integrated Risk Information System (IRIS) database on which the criteria were established. The GWQS rules at N.J.A.C. 7:9C-1.7(c)5ii state, "The Department shall publish in the New Jersey Register a notice of administrative change ...[to] modify a specific criterion in Appendix Table 1 where the USEPA revises the carcinogenic slope factor or reference dose data contained in the Integrated Risk Information System (IRIS) database on which a specific ground water quality criterion in Appendix Table 1 is based." N.J.A.C. 7:9C-1.7(c)5iii requires that the notice of administrative change identify the constituent, the basis for the administrative change, and the revised criterion to be listed in Appendix Table 1, as provided in the preceding paragraph. More information about the IRIS database may be obtained from the USEPA IRIS Web site at <http://www.epa.gov/iris>.

The USEPA modified the reference dose for barium to 0.2 mg/kg/day on July 11, 2005, and for toluene to 0.08 mg/kg/day on September 23, 2005. The Department calculated the new ground water quality criteria for barium and toluene by using the revised Reference Doses in the formula codified at N.J.A.C. 7:9C-1.7(c)4ii. Since chemical-specific data is available on non-water sources of exposure (diet and air) to barium, which indicates that a Relative Source Contribution factor of 0.8 (80%) is appropriate, a chemical-specific Relative Source Contribution factor of 0.8 was used instead of the default of 0.2 (20%) for barium. The default Relative Source Contribution factor of 0.2 was used for toluene. Based on these calculations, the new ground water quality criterion for barium is 6000 ug/L (6 mg/L), and the new ground water quality criterion for toluene is 600 ug/L (0.6 mg/L).

The new criteria are effective as of July 27, 2007. A new Appendix Table 1 incorporating these amended ground water quality criteria is posted on the Department's Web site at http://www.state.nj.us/dep/wms/bwqsa/gwqs_table1.html.

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

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<u>Constituent</u> * * *	<u>CASRN</u>	<u>Ground Water Quality Criterion</u>	<u>Practical Quantitation Level (PQL)*</u>	<u>Higher of PQL and Ground Water Quality Criterion (ug/L)*</u>
Barium * * *	7440-39-3	[2,000] 6,000	200	[2,000] 6,000
Toluene * * *	108-88-3	[1,000] 600	1	[1,000] 600