



State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

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December 6, 2007

Dr. Henry A. Anderson, Chief Medical Officer
Bureau of Public Health
Department of Health and Family Services
1 West Wilson St.
Madison, WI 53701-2659

Subject: **Request for health advisory levels for: p-nitrotoluene, m-nitrotoluene, o-nitrotoluene, 2-amino-4,6-dinitrotoluene and nitrobenzene**

Dear Dr. Anderson:

Citizens for Safe Water Around Badger (CSWAB) has made a request through the Department's South Central Region Remediation and Redevelopment (RR) Program for development of health advisory level/interim groundwater standards for: p-nitrotoluene/4-nitrotoluene [CAS RN 99-99-0], m-nitrotoluene/3-nitrotoluene [CAS RN 99-08-1], o-nitrotoluene/2-nitrotoluene [CAS RN 88-72-2], 2-amino-4,6-dinitrotoluene [CAS RN 35572-78-2] and nitrobenzene [CAS RN 98-95-3]. Established health advisory levels will assist the RR Program in evaluating sites where groundwater has been found to be contaminated with these substances.

Monitoring results reported from the Badger Army Ammunition Plant site, and the Department's Groundwater Retrieval Network (GRN) and Groundwater and Environmental Monitoring System (GEMS) databases, show that: **p-nitrotoluene** has been detected in 13 groundwater monitoring wells statewide, at concentrations up to 0.4 µg/L; **m-nitrotoluene** has been detected in 18 groundwater monitoring wells statewide, at concentrations up to 0.76 µg/L; **o-nitrotoluene** has been detected in 15 groundwater monitoring wells statewide, at concentrations up to 0.54 µg/L; **2-amino-4,6-dinitrotoluene** has been detected in 4 groundwater monitoring wells statewide, at concentrations up to 6.1 µg/L and **nitrobenzene** has been detected in 55 wells statewide (17 potable water supply wells & 38 groundwater monitoring wells), at concentrations up to 55.2 µg/L.

Please review available information on these substances and develop health advisory levels/interim groundwater standards if data supports development of such standards. Thank you.

Sincerely,

Todd L. Ambs, Administrator
Division of Water

cc: Jill Jonas - DG/2

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