



May 23, 2017

Robert (Mike) Sitton
S7273 Bluff Road
Merrimac WI 53561

Subject: Badger Army Ammunition Plant – Baraboo, Wisconsin
Groundwater Testing for Dinitrotoluene Breakdown Products
BRRTS #02-57-001002

Dear Mike:

The Wisconsin Department of Health Services recently sent us interim drinking water health advisory levels (HALs) for several dinitrotoluene (DNT) breakdown products. The compounds and HALs are as follows:

Compound	Health Advisory Level
2-Nitroaniline	100 ug/L
3- and 4-Nitroaniline (combined)	2 ug/L
2,4-Diaminotoluene	0.01 ug/L
2,6-Diaminotoluene	300 ug/L

We are requesting the Army analyze between 20 to 30 water samples, from supply wells and monitoring wells, for the DNT breakdown products with HALS. In as much as possible, the laboratory detection limits should be lower than the respective HAL. Please send us a plan for this additional sampling within one month of the date of this letter.

The samples should be collected as soon as practicable. The samples should come from wells in the areas that are most likely to contain the DNT breakdown products. We expect you to collect samples from:

- Areas where active degradation of DNT took place, such as the burning ground areas
- Down-gradient of areas where active DNT degradation took place, including those wells that have shown a relatively higher concentration of the less common DNT isomers relative to 2,4-DNT and 2,6-DNT.
- Private wells where DNT has been detected in the past few years
- Private wells that are down-gradient from where DNT has been detected in the past few years
- Other monitoring wells where DNT has been detected in the past few years

This sampling will help us determine whether these compounds are present and, if so, this effort will also help us evaluate the environmental fate and extent of the breakdown products in groundwater.

Please feel free to call me at 608-267-7570 to discuss this request.

Sincerely,

Jason B. Lowery
Hydrogeologist
Remediation & Redevelopment Program

Steve L. Martin
Regional Supervisor
Remediation & Redevelopment Program