



**DEPARTMENT OF THE ARMY  
BADGER ARMY AMMUNITION PLANT  
S7273 BLUFF ROAD  
MERRIMAC, WISCONSIN 53561**

September 29, 2016

**SUBJECT:** Submittal of August 2016 Annual Residential Well Testing Results  
Badger Army Ammunition Plant

Mr. Shawn Wenzel  
Hydrogeologist  
Wisconsin Department of Natural Resources - South Central Region  
2514 Morse Street  
Janesville, WI 53545

Dear Mr. Wenzel:

Enclosed is the Badger Army Ammunition Plant (BAAP) August 2016 Annual Residential Well Testing Results from 52 residential wells. The enclosed compact disc contains copies of the signed Environmental Monitoring Data Certification Form, a list of wells sampled, a map showing the well locations, residential well lab results summary spreadsheet, residential well lab results, and updated residential well owners' addresses. Per previous discussions, the Army understands that the WDNR will be mailing the results to each well owner.

SpecPro Professional Services, LLC (SPS) collected groundwater samples from 52 residential wells on August 24, 25, 29, 30 and September 2, 2016. The Howery (419) well could not be sampled because their well pump is not working. The Schiffman (998) well has a new owner so the well name was changed to Apel (998).

This annual sampling of residential wells followed the WDNR Plan Modification of the Groundwater Monitoring Program dated September 4, 2013. In accordance with the plan modification and subsequent WDNR revisions, WE-UK124 (432) will be sampled again during November 2016 and Purcell-D (163) will be sampled again during April 2017.

All analytical results for the enclosed residential wells show no NR 140 Enforcement Standard (ES) exceedances. Dinitrotoluene (DNT) was detected above the Preventive Action Limit (PAL) but below the ES in three residential wells.

All groundwater samples were analyzed by CT Laboratories, LLC (CT Lab) in Baraboo, Wisconsin. CT Lab is a WDNR Chapter NR 149 certified laboratory and accredited by the Department of Defense Environmental Laboratory Accreditation Program (DoD ELAP). SPS conducted an internal quality control review of the groundwater data and did not find any data quality issues.

SPS conducted an internal quality control review of the groundwater data. The internal review did find that laboratory volatile organic compound trip blanks and/or method blanks were contaminated with the following compounds at varying concentrations: chloromethane and tetrahydrofuran. The SPS environmental professional did note that chloromethane was detected in 36 samples.

Tetrahydrofuran was detected in one sample. Also bromodichloromethane was detected in four samples. All these detections were flagged and rejected based on professional judgment.

Please do not hesitate to contact me at 608-434-5374 if you have any questions.

Sincerely,

Robert M. Sitton  
Commander's Representative

Enclosure

Copy furn: Roger Walton, Contracting Officer's Representative