



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

November 26, 2018

SUBJECT: Submittal of October 2018 Residential Well Testing Results
Badger Army Ammunition Plant

Mr. Jason Lowery
Wisconsin Department of Natural Resources
GEF2 Central Office
PO Box 7921
Madison, WI 53707-7921

Dear Mr. Lowery:

Enclosed are the Badger Army Ammunition Plant (BAAP) October 2018 Residential Well Testing Results from 91 residential wells. Enclosed are copies of the signed Environmental Monitoring Data Certification Form, a list of wells sampled, three maps showing the well locations, residential well results summary spreadsheet, residential well lab results, and residential well owners' addresses. Note that residential well names contained in this submittal are based on the address of the sampled well location. 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 91 residential wells on October 9, 10, 11, 16, 18, and 24, 2018. As shown on Figure 1, the 91 sampled residential wells are distributed the east, south and west of BAAP. SPS was able to collect 40 of the 42 residential wells located on the south side of Weigand's Bay (see Figure 2). SPS was able to collect all 19 residential wells located in The Windings subdivision (see Figure 3). This was a special sampling of residential wells being offered by the Army.

Forty-five of the 91 residential wells sampled during October 2018 had previously not been sampled by the Army. These 45 residential wells were given new well IDs between 600 and 644 associated with License 3497. Five of the residential wells are located on the north side of Weigand's Bay (see Figure 1). Thirty-seven of the residential wells are new home construction on the south side of Weigand's Bay (see Figure 2). The other three wells are in either the Gruber's Grove Bay area or at the BAAP property. The Bluffview Sanitary District operates two wells at the BAAP property, S7560 and S8398 Highway 12.

The Nowotarski (891) well, located at E12534 Bay Road (see Figure 2), was sampled during October 2018. The Nowotarski well could not be sampled during the regularly scheduled August 2018 event.

During November 2018, SPS collected samples from an additional 22 residential wells. Results from the November 2018 sampling event will be submitted to the WDNR once they become available. During 2019, the Army intends to collect samples from additional residential wells in the following areas: Dam Heights, Gruber's Grove Bay, Inspiration Drive, and Weigand's Bay.

The analytical results for the enclosed residential wells showed no NR 140 Enforcement Standard (ES) exceedances. Dinitrotoluene (DNT) was not detected in any of the 91 sampled residential wells. Chloroform was detected above the NR 140 Preventive Action Limit (PAL) but below the ES in three residential wells. Chloroform has previously been detected above the PAL the E12085 (195) and E12086 (913) residential wells. This is the first time residential well E12638 (607) has been sampled by the Army.

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). The SPS chemist conducted an internal quality control review of the groundwater data and did not find any data quality issues.

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: Bryan Lynch, Contracting Officer's Representative