



DEPARTMENT OF THE ARMY  
US ARMY INSTALLATION MANAGEMENT COMMAND  
US ARMY ENVIRONMENTAL COMMAND  
2455 REYNOLDS ROAD  
JOINT BASE SAN ANTONIO FORT SAM HOUSTON, TX 78234-7588

AMIM-AEC-M (1200C)

February 9, 2023

SUBJECT: Draft Final Proposed Plan for Site-Wide Groundwater  
BRRTS #02-57-001002  
Former Badger Army Ammunition Plant

Mr. Luke Lampo  
Wisconsin Department of Natural Resources  
South Central Region  
3911 Fish Hatchery Road  
Fitchburg, WI 53711-5397

Dear Mr. Lampo:

Enclosed is the Draft Final Proposed Plan for Site-Wide Groundwater at the Former Badger Army Ammunition Plant (BAAP). This Proposed Plan identifies the Army's preferred alternative for achieving the remedial action objectives (RAOs) to address contaminated groundwater from the BAAP.

The Army's preferred alternative for the Central Plume, Deterrent Burning Ground Plume, and Propellant Burning Ground Plume is Alternative 4: Active Groundwater Remediation – Anaerobic Bioremediation. Alternative 4 includes in-situ bioremediation utilizing emulsified vegetable oil pumped into vertical injection wells, monitored natural attenuation, groundwater sampling of monitoring and residential wells, groundwater land use controls, and an alternate water supply provision. Alternative 4 will target remediating the impacted groundwater with dinitrotoluene (DNT) concentrations above the NR 140 Enforcement Standard of 0.05 micrograms-per-liter. Due to lack of risk, an evaluation of remedial alternatives was not conducted for the Nitrocellulose Production Area Plume.

The Draft Final Proposed Plan was prepared by SpecPro Professional Services, LLC in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA), the National Oil and Hazardous Substances Pollution Contingency Plan (NCP), and the Defense Environmental Restoration Program (DERP) requirements.

We look forward to the Wisconsin Department of Natural Resources' comments. We will incorporate your comments into a Final Proposed Plan. Then the Army will release the Final Proposed Plan to the public seeking comments and host a public meeting.

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Please do not hesitate to contact me at [quang.d.nguyen15.civ@army.mil](mailto:quang.d.nguyen15.civ@army.mil) or 210-466-1353 if you have any questions.

Sincerely,

Quang Nguyen  
Team Lead, Midwest and Central  
America Division

Enclosure

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