

Weihemuller, Wendy - DNR

From: Ales, Stephen M -DNR
Sent: Tuesday, October 26, 2021 12:41 PM
To: Dunlap, Mike J - DMA
Cc: HINMAN, MICHAEL T GS-12 USAF ANG 115 CES/Architect; Ales, Stephen M -DNR; Ross, Issac A - DNR
Subject: MMP Approval for Building B426

Mike:

On September 23, 2021 the Wisconsin Air National Guard (WANG) submitted a plan for addressing PFAS contaminated soil adjacent building B426. Data showing sampling results were submitted to DNR in an email from Mike Hinman dated September 23, 2021. The borings were located on the west side of B426 where an addition to this building is planned. Three borings were completed in this area with samples collected at approximately 2 feet and between 4 feet and 5 ½ feet below ground surface. Groundwater samples were collected from two of the borings.

No volatile organic compounds were found in soil or groundwater from any of the borings.

Numerous PFAS compounds were found in soil samples collected all sampling locations and depths sampled. The PFAS compounds found in soil are PFBA, PFPeA, PFHxA, PFHpA, PFHxS, 6:2 FTS, PFOA, PFNA, PFOS, and 8:2 FTS. All the soil to be removed for this project is to be considered PFAS containing soil.

Groundwater samples collected from the borings detected eighteen different PFAS compounds with many of those compounds showing quite elevated concentrations. The PFOS levels in groundwater (27,800 ng/l to 42,200 ng/l) were particularly high.

In accordance with the materials management plan approved for this site on July 21, 2021, PFAS containing soil will be placed under an impervious surface at the completion of this project. All the soil that is removed for this project is considered PFAS containing and needs to be handled as such. The location sketch submitted with your September 23, 2021 submittal cover letter shows the boundaries of the area expected to be affected by the construction. If construction activities extend beyond the boundaries shown on the location sketch that soil must also be handled as PFAS containing soil. Until it is used for final placement the soil from around these borings may be kept on site, or it may be temporarily placed west of building 1209 in accordance with the MMP.

The groundwater at this location was measured to be at a depth of 5 ½ feet when the borings were constructed. If it is necessary to lower the water table at this location to complete construction activities the WANG must contact the DNR prior to starting construction to determine a proper method for containing and treating the water.

Let me know if you have any questions.

Steve

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Stephen M. Ales, P.G.

Hydrogeologist Program Coordinator – Remediation and Redevelopment Bureau, Division of Environmental Management
Wisconsin Department of Natural Resources

Phone: 608-400-9187
Stephenm.Ales@wisconsin.gov

