

Weihemuller, Wendy - DNR

From: Ales, Stephen M -DNR
Sent: Monday, November 1, 2021 10:52 AM
To: Dunlap, Mike J - DMA
Cc: HINMAN, MICHAEL T GS-12 USAF ANG 115 CES/Architect; Ross, Issac A - DNR; Ales, Stephen M - DNR
Subject: MMP Approval B400

Mike:

On October 14, 2021 the Wisconsin Air National Guard submitted a Materials Management Plan for potential soil excavation work to be completed near building B400. Boring 02-AA-MW-5 was completed on the southwest side of the building. Soil and groundwater samples were collected from the boring.

PFAS compounds were detected in soil samples collected from 1 - 1.5 feet and 2 - 2.5 feet below ground surface. PFAS compounds were detected in both soil samples. Eleven (11) different PFAS compounds were found in the soil at this location.

PFAS was also detected in the groundwater sample from this location. Sixteen (16) different PFAS compounds were found in groundwater. The PFAS compounds with the highest concentrations were PFOS, PFHxS, 6:2 FTS, PFHxA and PFOA. Numerous VOC compounds were also detected in groundwater. VOC compounds that exceed NR 140 groundwater enforcement standards include 1,2-dichloroethane, benzene and bromodichloromethane

The information submitted with this MMP did not contain drawings or another description pertaining to soil or groundwater removal at this location. Since both soil samples, and the groundwater sample from this location contains PFAS compounds the WANG must treat all soil and groundwater removed from this location as PFAS containing soil.

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 soil that is removed for this specific project is considered PFAS containing and needs to be handled as such.

The location map for boring 02-AA-MW-5 indicates this boring is located on the southwest side of building B400. Your submittal did not contain a figure showing boundaries of an excavation. Therefore, any soil that is excavated for any reason from this location must be handled as PFAS containing. Until it is used for final placement the soil from the location of boring 02-AA-MW-5 may be kept at this location or may be temporarily placed to the west of building 1209 in accordance with the MMP.

The groundwater at this location is probably on the order of 5.5 – 7 feet below ground surface. If it is necessary to lower the water table 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

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Stephen M. Ales, P.G.

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