

Weihemuller, Wendy - DNR

From: Ales, Stephen M -DNR
Sent: Tuesday, October 26, 2021 10:49 AM
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 B409

Mike:

On September 23, 2021 the Wisconsin Air National Guard (WANG) submitted a plan for addressing PFAS contaminated soil adjacent building B409. Data showing sampling results were submitted to DNR in an email from Mike Hinman dated September 23, 2021. The borings were located on the north side of B409 in an area that will need footings to support cranes. Three borings were completed in this area with samples collected at approximately 2 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 the borings.

PFAS compounds were detected in soil at a depth of 5 ½ feet from boring E409-1. The compounds detected included PFNA and PFOS. A duplicate sample from this location detected these compounds and also detected PFHxS and PFOA. No PFAS compounds were detected in soil from this location in the sample collected at 2 feet.

PFAS compounds were detected in soil in both the 2 foot and 5 ½ foot samples from boring E409-2. PFAS compounds detected were PFOA, PFOS and 8:2 FTS.

PFAS compounds were detected in groundwater from both sampling locations. PFAS compounds detected were PFBA, PFPeA, PFBS, PFHxA, PFPeS, PFHpA, PFHxS, PFOA, PFHpS, PFNA, PFOSA, PFOS and 8:2 FTS.

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. At location E409-1 the soil extending outward at least 25 feet from the location of this boring and below a depth of 2 feet is to be handled as PFAS containing soil. At boring location E409-2 all the soil extending 25 feet outward from the location of this boring shall be handled as PFAS containing soil. Where these two areas overlap the more restrictive criteria shall apply. The September 23, 2021 contains a figure showing the location of the borings, and an outline of the area where soil must be handled according to the approved materials management plan. Until it is used for final placement the soil from around these borings may be kept at this location, or it may be temporarily placed west of building 1209 in accordance with the MMP. Groundwater is not expected to be encountered during this construction project. If that should change, please contact me to determine options for handling the water.

Let me know if you have questions.

Steve

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Stephen M. Ales, P.G.

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