

Weihemuller, Wendy - DNR

From: Ales, Stephen M -DNR
Sent: Tuesday, October 19, 2021 1:49 PM
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 for B510

Mike:

On September 23, 2021 the Wisconsin Air National Guard (WANG) submitted a plan for addressing PFAS contaminated soil adjacent building B510. The data were submitted in an email from Mike Hinman. The DNR tracks this information under BRRs # 02-13-585319. There is a proposed addition to the building along the east side of the present building. Five soil borings were completed in this area. Soil samples were generally collected 2 feet below ground surface, and then again between 9.5-10 feet below ground surface. Groundwater samples were collected at four of the five borings; no groundwater sample was collected from E510-1X as it was immediately adjacent boring E510-1. Soil and groundwater samples were analyzed for volatile organic compounds and for PFAS.

No VOCs were detected in soil or groundwater samples.

PFAS compounds were detected above lab quantitation limits at two locations, E510-3 (2' sample) and E510-4 (2' sample). The sample from E510-3 (2' sample) contained PFHxS at a concentration of 1.11 ng/gm. The sample from E510-4 (2' sample) contained PFHxS at 0.646 ng/gm. Soil samples collected at below each of these respective samples were non-detect for PFAS compounds.

Groundwater samples collected from each boring contained several PFAS compounds.

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 the project. Your submittal of September 23, 2021 contains an error with respect to PFAS in soil as it doesn't identify the PFHxS found at location E510-4 (2' sample). Thus, the diagram showing areas of PFAS containing soil in that submittal is incorrect. PFAS is present in soil at both E510-3 (2' sample) and E510-4 (2' sample). The soil extending outward 25' from each of these borings, and to a depth of at least 2' must be handled as PFAS contaminated soil. Until it is used for final placement the soil around these borings may be kept at this location, or it may temporarily be 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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