

## Weihemuller, Wendy - DNR

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**From:** Ales, Stephen M -DNR  
**Sent:** Wednesday, July 21, 2021 4:11 PM  
**To:** Weihemuller, Wendy - DNR  
**Subject:** FW: MMP Boundary approval for Flight Simulator Building, BRRTs 302-13-585319

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**From:** Ales, Stephen M -DNR <stephenm.ales@wisconsin.gov>  
**Sent:** Wednesday, July 21, 2021 4:05 PM  
**To:** Dunlap, Mike J - DMA <michael.dunlap@us.af.mil>  
**Cc:** HINMAN, MICHAEL T GS-12 USAF ANG 115 CES/Architect <michael.hinman.4@us.af.mil>; Martin, Steven L - DNR <StevenL.Martin@wisconsin.gov>; Ales, Stephen M -DNR <stephenm.ales@wisconsin.gov>  
**Subject:** MMP Boundary approval for Flight Simulator Building, BRRTs 302-13-585319

Mike:

On July 21, 2021 you sent me an email outlining the boundaries of the proposed soil excavation areas where PFAS compounds are present in the soil. Soil boring 1 contained PFAS compounds (specifically PFOS) below a depth of 2'. Soil borings 6 & 8 showed PFAS compounds (again, only PFOS) in the samples collected from 1'-2' and from just above the water table. Wisconsin Air National Guard is proposing to excavate an area 50' x 50' around each boring (at least 25 feet in all directions from the boring) and handle that soil as containing PFAS compounds. DNR has the following comments on your proposal.

1. The units for soil samples in the table are listed as ng/l. As we've discussed in the past this would be incorrect for a soil analysis but is correct for a water analysis. I reviewed the lab sheets for this area that you submitted to DNR on 12/2/2020 and confirmed the units for the soil analysis are ng/gm (equivalent to ug/kg).
2. Soil from 0'-2' near boring 1 does not contain PFAS and can be handled according to the MMP. Soil below 2' from the area near boring 1 needs to be handled as PFAS containing soil.
3. Soil from the surface to final excavation depth near borings 6 and 8 need to be handled as PFAS containing soil.
4. The location of soil containing PFAS should be tracked so that you will be able to show where it has been placed under an impervious surface. Soil volumes should be calculated and submitted with the summary report that will be prepared at the end of the construction project.
5. DNR approves the excavation boundaries as proposed by Wisconsin Air National Guard.

Let me know if you have any questions.

Steve

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**Stephen M. Ales, P.G.**

Hydrogeologist Program Coordinator – Remediation and Redevelopment Bureau, Division of Environmental Management  
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