**PFAS Site Summary, Malmstrom Air Force Base, Montana**

Perfluoralkyl and Polyfluoroalky Substances (PFAS) compounds were detected in soil, sediment, groundwater, and surface water at Malmstrom Air Force Base (MAFB), located near Great Falls, Montana during site investigations conducted in October 2016 and May 2017. The investigations concentrated on six areas on MAFB where AFFF firefighting foam was historically used. Primary sources of AFFF are related to firefighting activities, spray testing of mobile fire-response vehicles, fire suppression system testing, firefighting training, a 600 gallon AFFF spill, and surface dissipation of AFFF to storm water outfalls.

All six areas had concentrations of PFOA or PFOS that exceeded screening levels in one or more media. The highest concentration of combined PFOS and PFOA in surface water at a single location (Outfall 3) was 1,690 nanograms/liter (ng/L) and 5,739 ng/L in groundwater (Fire Station - Building 349). Montana has a human health groundwater standard for combined PFOS/PFOA of 70 ng/L. The highest PFOS concentration in soil was 890 micrograms/kilogram (µg/kg), 11,000 ug/kg in subsurface soil and 160j\* µg/kg in sediment. The US Air Force is currently discussing next steps for further investigation of PFAS at Malmstrom. For additional information, please contact Scott Gestring at (406) 444-6471 or e-mail [sgestring@mt.gov](mailto:sgestring@mt.gov) .

\* - estimated value

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