**PFAS Site Summary, Montana Air National Guard/Great Falls International Airport**

A site inspection completed in July 2018 at the Montana Air National Guard (MANG) in Great Falls, Montana revealed per- and polyfluoroalkyl substances (PFAS) in all media (soil, sediment, groundwater and surface water) and samples collected.

Eight PFAS-impacted locations were identified. The suspected PFAS source is aqueous film forming foam (AFFF) discharges to the environment from multiple sources, including fire hose nozzle testing/training, fire suppression system testing, an airplane crash site response action, a retention pond, and surface dissipation to a storm water outfall.

The highest concentrations of combined perfluorooctane sulfonate (PFOS) and perfluorooctanoic acid (PFOA), two common PFAS, were 11,500 nanograms/liter (ng/L) in surface water and 4,020 ng/L in groundwater (Montana has a human health groundwater standard for combined PFOS and PFOA of 70 ng/L\*). The highest PFOS concentration in soil was 2,800 J micrograms/kilogram (µg/kg) and the highest PFOS concentration in sediment was 33 µg/kg. Discussions regarding future PFAS investigation and corrective action at MANG are ongoing. For additional information, please contact Patrick Skibicki at (406) 444-6452 or e-mail [pskibicki@mt.gov](mailto:pskibicki@mt.gov).

\*EPA’s 2016 drinking water health advisory for combined PFOS and PFOA is 70 ng/L.

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