**PFAS Site Summary, Fort Harrison, Montana**

Per- and Polyfluoroalky Substances (PFAS) compounds were initially detected in groundwater at Fort Harrison during an October 25, 2017, sampling event. All samples came back below the Montana DEQ human health groundwater standard for combined and individual Perfluorooctane Sulfonate (PFOS) and Perfluorooctanoic Acid (PFOA) of 70 ng/L. However, based on the results, Army Nation Guard initiated a more complete site investigation. In the spring of 2019, groundwater samples were obtained from 14 monitoring wells and one onsite irrigation well. A total of 38 soil samples were obtained. The soil and groundwater samples were analyzed for PFOS/PFOA and 16 additional PFAS compounds.

The analytical results from one monitoring well came back above the Montana DEQ groundwater standard for PFOS/PFOA with PFOS at 118 nanograms per liter (ng/L), and PFOA at 10.7 ng/L, for a combined total of 128.7 ng/L. The results of the other 14 groundwater samples were below the standard. The highest PFOS concentration in soil was 11.472 micrograms per kilogram (ug/kg) and the most elevated PFOA concentration in soil was 0.473 ug/kg.

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