

ATTACHMENT #1

MAY – JULY 2021 PFAS PRELIMINARY SITE INVESTIGATION REPORT SUMMARY

CBJ – Juneau International Airport

1873 Shell Simmons Drive, Juneau, Alaska

The May 2021 soil investigation included the collection of fourteen soil samples from fourteen borings.

- PFOS was detected in five of the fourteen samples at concentrations ranging from 0.38 µg/kg to 3.3 µg/kg. One of the five detected concentrations (MW-16) exceeds the ADEC Method 2 Migration to Groundwater Cleanup Level of 3 µg/kg. All of the detected concentrations of PFOS are less than the ADEC Method 2 Human Health Cleanup level of 1,300 µg/kg.
- PFOA was detected in one of the fourteen samples (MW-21) at a concentration of 0.11 µg/kg. The detected concentration is below the ADEC Method 2 Migration to Groundwater Cleanup Level of 1.7 µg/kg and less than the ADEC Method 2 Human Health Cleanup level of 1,300 µg/kg.
- PFOS and PFOA were not detected above the ADEC Method 2 Migration to Groundwater Cleanup Level of 1.7 µg/kg or the ADEC Method 2 Human Health Cleanup level of 1,300 µg/kg in the six borings (MW-8, MW-9, MW-10, MW-12, MW-13, and MW-14) in the Mendenhall Wetlands.

The July 2021 groundwater investigation included the collection of twenty two groundwater samples from twenty two monitoring wells.

- PFOS was detected in twenty two of the twenty two samples at concentrations ranging from 0.70 ng/L to 530 ng/L. One of the twenty two detected concentrations (MW-1) exceeds the ADEC Groundwater Cleanup Level of 400 ng/L.
- PFOA was detected in seventeen of the twenty two samples at concentrations ranging from 0.99 ng/L to 54 ng/L. All of the detected concentrations of PFOA are less than the ADEC Groundwater Cleanup Level of 400 ng/L.
- Six of the twenty two calculated concentrations of PFOS+PFOA (MW-1, 545 ng/L; MW-4, 71 ng/L; MW-6, 312 ng/L; MW-16, 381 ng/L; MW-20, 213 ng/L; and MW-21, 164 ng/L) exceed the USEPA LHA of 70 ng/L.
- PFOS and PFOA were not detected above the USEPA LHA of 70 ng/L or the ADEC Groundwater Cleanup Level of 400 ng/L in the six groundwater wells (MW-8, MW-9, MW-10, MW-12, MW-13, and MW-14) in the Mendenhall Wetlands.

The July 2021 private drinking water investigation included the collection of two samples from two private wells identified within the project area. The private wells are located at Mendenhall Auto (8725 Mallard Street) and a private residence owned by _____. PFOS was detected at 2.3 ng/L and PFOA was non-detect in the Mendenhall Auto sample and PFOS was detected at 3.7 ng/L and PFOA was detected at 0.90 ng/L in the _____ sample. PFOS and PFOA were not detected above the USEPA LHA of 70 ng/L or the ADEC Groundwater Cleanup Level of 400 ng/L in these private well samples.