

## ATTACHMENT #2

### Cox Environmental Services – Summary and Recommendations

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

- 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.

- One of the twenty two detected concentrations (MW-1) exceeds the ADEC Groundwater Cleanup Level of 400 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.

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Based on the results of this soil and groundwater investigation, CES recommends the following to the Alaska Department of Environmental Conservation:

1. CBJ should establish a quarterly groundwater sampling program to begin to establish a trend in groundwater concentrations.
2. The groundwater monitoring wells installed during the investigations to date should be surveyed so that elevation data can be utilized to evaluate groundwater flow direction.
3. The Air National Guard (ANG) has submitted a Sampling & Analysis Plan (SAP) to ADEC to install six soil borings and monitoring wells to the east of MW-21 and MW-20 surrounding the ANG Hangar. This work is proposed to be conducted in October 2021.
4. CES recommends CBJ review the results of this investigation prior to planning further investigation to delineate PFAS contamination in groundwater to the east of MW-21 and MW-20.
5. CES recommends CBJ incorporate the groundwater monitoring wells installed by ANG into the existing monitoring network after their installation.

Cox Environmental Services will be working with NRC Alaska to try to coordinate removal and disposal of the drums near the Maintenance Building and Gate A. The cones have been removed at the three wells to the north of the taxiway near Temsco Helicopters.