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Suite 200  
Anchorage, AK 99503

August 25, 2020  
File: 185750825

**Attention: Grant Lidren**  
Contaminated Sites Program  
Alaska Department of Environmental Conservation  
555 Cordova Street  
Anchorage, AK 99501

**Reference: 2020 Work Plan - Cordova Electric (Former Eyak Lake Power Plant)Eyak Lake, Cordova,  
Alaska ADEC Reckey #1981240101901**

Dear Mr. Lidren:

On behalf of our client, Cordova Electric Cooperative (CEC), Stantec is pleased to present this 2020 Work Plan. This Work Plan addresses current site conditions, continued groundwater monitoring, and proposed site work.

**Decommissioning and Replacement of Well Points WP-1, WP-2, and WP-3R.** Well points WP-1, WP-2, and WP-3R will be removed and replaced with three new pre-packed well points. The existing well points are stainless steel with vertical laser slot, which can introduce surface water into the well points and potentially contribute to fouling. Due to their extremely shallow nature, the three well points will be removed by a small back-hoe, and their replacement pre-packed well points placed in close proximity to the original locations. Given the nature of the soil at the site which consists of a mixture of native soils and placed rip-rap, the excavator will be used to excavate a void, roughly between 5 and 10 feet depending upon ground conditions, for the placement of the pre-packed well points. After each well point is placed, the soil will be backfilled and the well point and a bentonite plug placed from approximately 0.5-1.0/1.5 feet below ground surface, depending on site conditions, encountered and total depth achievable. Well points will be allowed to rest for 24-hours prior to development, and then another 24-hours until sampling.

**Rehabilitation of Monitoring Well MW-6.** Monitoring Well MW-6, currently has an inward bulge of the 2-inch PVC casing near the top of the well, prohibiting larger diameter sampling equipment from being utilized, and only small diameter micro-bailers can currently be used to sample the well. The PVC casing will be cut down to allow for standard sampling equipment for 2-inch wells to be utilized. This may also require the protective outer metal casing to be cut down as well.

**Decommissioning of the existing treatment system and application of granular activated carbon (GAC).** The current skimming, pump and treat, reinjection system has come to its feasible lifespan end, as no visible sheen or floating product has been present in the system for many years. The open gabion walled structure will have approximately 1,000 pounds of granular activated carbon mixed with a backhoe into the upper 3-5' of soil from the bottom of the open trench between the gabion walls. After the application of the GAC, the void between the gabion walls will be backfilled with clean fill to cover the exposed shallow groundwater. The upgradient buried infiltrator near the 10,000-gallon treatment tank will remain in place, but

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the injection piping will be capped. This will allow for future treatment injections or water/enzyme mixture if necessary.

**Groundwater/Surface Water Monitoring events.** There are two proposed groundwater/surface water monitoring events proposed for 2020. Groundwater sampling will include the three replacement well points (WP-1R, WP-2R, WP-3R2), existing well points WP-4, WP-5, and monitoring wells MW-5R, MW-6, MW-7, and G2R. Groundwater will be analyzed for AK101-GRO, AK102/AK103 DRO/RRO, and SW8270D SIM PAH, consistent with the most recent monitoring events. Monitoring wells will be sampled using low-flow pump and controller with the exception of well points WP-4 and WP-5 which do not have sufficient volume for low-flow sampling. All sampling to date has previously been accomplished by disposable bailer.

Three surface water samples will be collected, one prior to any 2020 activity, and one each coinciding with the August/September 2020 and October 2020 groundwater sampling events. The surface water samples will be analyzed for GRO, DRO/RRO, PAHs, as well as TAqH.

**Reporting.** Reports on the aforementioned field activities will be prepared by Stantec and sent to the ADEC within 30 days of the receipt of the analytical test results. Stantec formally requests ADEC approval of this work plan as outlined above. If you have any questions or need additional information concerning this work plan, please contact me at (907) 266-1148. We look forward to your approval for this work.

Regards,

**Stantec Consulting Services Inc.**



**Douglas Quist**  
**Senior Chemist Environmental Scientist**

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