

## Eureka Water and Sewer – Project 60428978

### Addendum 2


November 9, 2020

The following was provided in the Bidders' Conference by AECOM for ET025-210528/A -  
Water and Sewage Treatment Infrastructure, Eureka, Nunavut

### Project Overview


## Project Overview


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## Existing Site



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## Proposed Works



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## Main Components – Water Infrastructure

- Raw Water Pumphouse (at stream)
- Existing Reservoir Pumphouse
- New Reservoir Pumphouse
- Raw Water Reservoir (granular construction with duplex plastic liner)
- Raw water piping to existing Water Plant

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## Main Components – Wastewater

- Retrofit existing lift station
- New Mechanical MBBR (moving bed bioreactor)
- Discharge forcemain.
- Clean out existing lagoon and use for storage
- Additional contract for maintenance and training

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## Related Works

- Obtain sand at borrow area
- Install camp including water and wastewater treatment
- Install some access roads and maintain
- Safety – Shared roads with Environment Canada and other contractors
- Granular hauling near airport
- Safety – Some exposed local on-ground wiring to protect
- Communication important

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## **Questions and Answer**

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**Please note the following changes, corrections, additions, deletions, information and/or instructions.**

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**Q1:** On C-0005 detail BB, we can see Geocell on the slope from the pump station toward the station creek. Is there Geocell all over the slope from Pump station to RIP RAP?

**A1:** The detail shows the geocell on the slope. The width of the geocell was intended to be 3 m wide and under the raw water pipe. It was not the intention to put geocell on the entire slope.

**Q2:** On C-0003 Legend, we can see concrete and asphalt. Could you confirm there is none?

**A2:** It is confirmed that there is no concrete or asphalt.

**Q3:** Does the existing sewage lagoon have any liner installed? Are there risks of damaging the liner while regrading the side slopes?

**A3:** The existing sewage lagoon has no liner. It is an excavation in existing soil.

**Q4:** Please provide specifications for the geomembrane required the lagoon sludge dewatering bags will be placed to drain. After the dewatering of the geobags is complete, is it required to decommission this area after use?

**A4:** Use LDPE Smooth Geomembrane under the geobag, please refer to Section 31 32 19.02 for details. Decommission area after use and return to existing condition.

**Q5:** Please specify which material is required for the construction of the 153m small berm around the contaminated soil landfarm.

**A5:** Please use the traffic base 19 mm down material. Refer to 32 11 23.

**Q6:** Please provide the surface area and specifications for the proposed material stockpile at the project site. Please confirm if this area can hold at least 30,000 m3 of material.

**A6:** The proposed stockpile area is roughly 40 m by 35 m. The area is much too small to store 30,000 m3. The area was identified in case the contractor needs an interim storage spot for much smaller volumes. The storage volume must be determined by the contractor. There is research equipment in the area that must be protected and avoided.

**Q7:** It seems to have a non-coherence between the Section 32 31 26 Wire fences and gates and the fence drawing typical detail. Our suppliers would like to have clear spec and detail.

**A7:** Please follow Section 32 31 26 – Wire Fences and Gates, sub-section 2.1 and drawing C-5001 for required materials and design of the fences and gates. Wire mesh shall be 50.8 mm x 101.6 mm.

**Q8:** The drawings indicate 2 possible locations for the Contractor's camp. Our camp has been set up and operational for several years now at another location near the airstrip. Will we be required to move our camp to one of the proposed locations or can we remain at the current location?

**A8:** The 2 possible camp locations shown are for new camps.

**Q9:** Please clarify supply of potable water for the Contractor camp. To date, the Weather Station has provided access to their reservoir for potable water for Contractor camp operations, however during the bidder's conference it was implied that Contractors would have to provide their own supply. Also, what support will be available from the Weather Station facilities to receive either black or grey water waste from the Contractor camp.

**A9:** The ECCC Weather Station will provide fresh water for the Contractor's camp from an exterior faucet. The Contractor is responsible for treatment and disposal of their own black-water waste. The Contractor's grey-water waste can be disposed of at the ECCC Lagoon until such time as the Lagoon is decommissioned through the project.

**Q10:** Please clarify if the payment for restoration of haul road surfaces after the completion of work is included in the lump sum or per unit rate (as specified in 01 52 00 1.11).

**A10:** Restoration of haul road surfaces after the completion of work is incidental to the Work and is included in the lump sum, Item 10, Section 01 27 00 – Measurement and Payment.

**Q11:** The drawings indicate the proposed temporary road on the North side of the airstrip. The South side of the airstrip would be a better option for the bypass road based on our previous experience on site. The North side of the airstrip was very soft, and we have a more established existing haul road on the South side of the airstrip. Please advise if the South side of the airstrip can be used for the bypass road. In addition, please provide if there are any specifications for the sections of the road that cross the airstrip aprons.

**A11:** The proposed temporary road shall avoid and not cross the actual airstrip aprons, please follow drawing C-0008 for the proposed cross section. The road could be built on the south side of the airstrip. The south side of the airstrip may need to be shared or used by others so coordination will be required.