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Building Nunavut Together
Nunavutliuqatigiingniq
Bâtir le Nunavut ensemble

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Department of Community and Government Services
Nunalingni Kavamatkunnilu Pivikhaqautikkut
Ministère des Services Communautaires et gouvernementaux

February 03, 2020

Nunavut Water Board
P.O. Box 119
Gjoa Haven, NU X0B 1L0
Attention: Richard Dwyer, Manager of Licensing, Manager of Licensing

RE: 3BM-CAM 1520– O&M manual for new Water Treatment Plant (WTP)

Dear Richard

Please find the enclosed Operation and Maintenance (O&M) manual for the Water Treatment Plant of Cambridge Bay completed and in operation since March 31, 2017.

The old Water Treatment plant building and water storage tank in town has been decommissioned and demolished with the operation starts of this new WTP. The new water treatment system includes:

- Raw water feed tank and treated water storage tank at the WTP
- Chlorination to raw water before sending to AdEdge filtration terrain
- Filtration with media filters (AdEdge filtration)
- UV disinfection and turbidity reduction before collecting into storage tank
- Truckfill outside from treated water storage tank and delivery to house hold tanks.

Raw water feeds to the WTP from the intake pump house (IPH) through the existing buried line and reheating system (reheat station).

CGS is submitting this O&M manual as part on behalf of the Hamlet of Cambridge Bay (Licensee).

Best Regards,

Shah Alam, P. Eng. E.P. CAPM
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CC:

Marla Limousin, Chief Administrative Officer (CAO), Hamlet of Cambridge Bay, NU
Baba Pedersen, Resource Management /Water Resource Officer, CIRNAC