TOWN OF LUNENBURG

WASTEWATER TREATMENT PLANT UPGRADES & EXPANSION

CONTRACT NO. 240800.00

ADDENDUM NO. 7

March 17, 2025

Clarifications:

1. As per Section 03 30 00, subsection 3.13, and Section 31 22 13, subsection 3.3.1, it is the responsibility of the Contractor to confirm bearing capacity and obtain third-party compaction testing.

The following changes or modifications shall be made to the Tender Documents:

TO THE SPECIFICATIONS

SECTION 00 73 00 – SUPPLEMENTARY GENERAL CONDITIONS

Page 6, under GC 10.1 TAXES AND DUTIES, after 10.1.3, add the following:

Page 23, after Clause 10.1.3, add new Clause 10.1.4 as follows:

"10.1.4 As noted in the Tender Form, Tenderers are responsible to investigate and confirm that the Contract Price includes and covers all duties, and handling charges; transportation; and all other charges in place as of the date of submission of the Tender."

SECTION 01 14 00 – WORK RESTRICTIONS

Page 1, delete subsection 1.1.6 and 1.1.7 (added in Addendum 4) and replace as follows:

.6 In general, the plant must remain functional throughout all stages of Work. From time to time, pre-planned disruptions to process operations will be permitted to accommodate tie-ins and other Work. Any disruption to operations which could reduce effluent quality to the point where it does not meet the provincial Approval to Operate or the federal Wastewater Systems Effluent Regulations, or could require overflows from the collection system will require significant coordination with the Owner. These must be coordinated at least 60 days beforehand to allow the owner

to obtain a federal Temporary Bypass Authorization. The contractor is responsible for developing a plan for bypassing that is reasonable and mitigates the bypass to an acceptable extent. Environment Canada will only grant a Temporary Bypass Authorization if they accept the plan. Bypasses can be coordinated in this way for varying amounts of time for each unit process, depending on the demonstrated necessity of doing so and the mitigation factors proposed. There are no specific combinations of unit operations that cannot be considered, but keeping other unit operations working may be viewed as mitigation in some cases.

.7 The screen channel can be bypassed by gravity using existing bypass structures and gates, as can each of the bioreactor trains, and each DAF train. Bypassing the screen for more than a full day will require the contractor to implement, monitor, and remove screenings from a temporary bar screen, including overnight and on weekends. Bypassing any bioreactor or DAF unit significantly affects effluent quality and requires a Temporary Bypass Authorization. There are no existing bypass structures to allow bypass the UV disinfection channel. The contractor is responsible for supplying, installing, and monitoring all temporary pump-arounds, including overnight and on weekends. The WWTP can operate without the dewatering press for an extended period if the sludge is hauled in liquid form from the Sludge Tank (existing), shown on drawing P21. The contractor is responsible for hauling the sludge as required to facilitate this. Approximately 5 to 8 vacuum truck loads of sludge must be removed weekly. Sludge from the new SBR, once commissioned, can be held in the SBR tanks for up to 6 weeks after startup in order to allow time to clean out the sludge holding tank and complete the modifications.

SECTION 01 51 00 – TEMPORARY UTILITIES

Page 1, delete subsection 1.2.1 and replace as follows:

.1 Connect to and use Owner's existing water supply for temporary use during construction, subject to existing available volume and pressure. Reimburse Owner's utility costs based on metered usage. Install a sub-meter for this purpose at Contractor's cost. Provide a backflow preventor for any service being used. This supply may be used for tank leak testing, subject to other customer demands, and in coordination with the Town regarding the timing and the rate of filling.

SECTION 03 30 00 – CAST-IN-PLACE CONCRETE

Page 8, delete subsection 3.1.2 and replace as follows:

.2 Confirm foundations bear on bedrock, structural fill overlying glacial till or residual soil with a minimum factored bearing resistance at ultimate limited states (ULS) of

275 kPa and a minimum factored bearing resistance at serviceability limit states (SLS) of 175 kPa as per Conquest Engineering report, dated April 12, 2022, project number 210803.03 and in accordance with Section 31 23 10. Place structural fill as directed by the Contractor's geotechnical engineer and in the presence of the Contractor's geotechnical engineer or one of their qualified representatives.

SECTION 31 23 10 – EXCAVATING, TRENCHING, AND BACKFILLING

Page 4, delete subsection 3.1.4 and replace as follows:

.4 Select method of excavation, support, and dewatering unless otherwise indicated or directed. Protect property and structures from damage. Establish temporary slopes and support requirements following direction from Contractor's geotechnical engineer based on localized conditions. These slopes must at minimum be in accordance with Nova Scotia Occupational Health and Safety General Regulations.

TO THE DRAWINGS

DRAWING C01 – EXISTING CONDITIONS AND REMOVALS

Delete GENERAL Note 12 and replace as follows:

12. INDICATED SHORING LIMITS ARE BASED ON GEOTECHNICAL REPORT RECOMMENDATIONS, WHICH ARE BASED ON A LIMITED NUMBER OF BOREHOLES. LOCALIZED CONDITIONS MAY DIFFER. TEMPORARY SLOPES AND SUPPORT REQUIREMENTS ARE TO BE ESTABLISHED FOLLOWING DIRECTION FROM CONTRACTOR'S GEOTECHNICAL ENGINEER BASED ON LOCALIZED CONDITIONS. WHERE SHORING IS REQUIRED TO PROTECT PROPERTY AND STRUCTURES FROM DAMAGE, OR PROVIDE OPERATIONAL ACCESS (DOOR TO BIOFILTER FAN BUILDING, RAMP UP NORTH SIDE OF BIOREACTOR BUILDING), SHORING DESIGN MUST BE SUBMITTED PRIOR TO IMPLEMENTATION.

CBCL Limited
March 17, 2025