

# **Clyde River Harbour Development**

## **NUNAVUT WATER BOARD (NWB) ANNUAL REPORT FOR PROJECT ACTIVITIES**

### **EXECUTIVE SUMMARY**

This report addressed to the Nunavut Water Board (NWB) has been prepared to summarize the 2023 project activities that were carried on under the Type 'B' Licence -8BC-CLY2225 issued to the Department of Fisheries and Oceans Canada -Small Craft Harbour (DFO-SCH). The Clyde River Small Craft Harbour Construction's project was awarded to Pilitak Enterprises Ltd in May 2022 by Public Services and Procurement Canada (PSPC) for DFO-SCH.

### **2023 PROJECT ACTIVITIES**

The 2023 construction season started on May 15 and ended on November 2<sup>nd</sup>. Granular material and rocks were prepared at the quarry where about 67,500 cubic meters of bedrock were drilled and blasted. A total of 87,000 tones of rocks and gravel was transported from the quarry to the construction site, which represents about 4,200 truck loads who transited through the Hamlet of Clyde River. The transported material was used mainly for the construction of the southwest breakwater, which was completed to about 70%. Some material was used for the upland regrades and for the beginning of the construction of the northeast breakwater. The mooring bollard and the tie back fixed wharf wall were installed. Some minor dredging works were done along a section of the southwest breakwater.

### **WATER USAGE AND QUALITY MONITORING**

Approximately 304 m<sup>3</sup> of potable water were delivered by the Hamlet during the 2023's operations which represents an average domestic water consumption of 2.4 cubic m<sup>3</sup>/day. A total of 190 m<sup>3</sup> of water withdrawn from the Clyde River was used for dust control. At no time more than 30 m<sup>3</sup>/day of water was used for the dust control. The total daily water consumption has never exceeded the licence's maximum daily allowance of 36 m<sup>3</sup>/day. No unauthorized discharge occurred during this construction season. The surface runoff or discharges impacted by construction activities associated with the Project, where flow may directly or indirectly enter water were monitored for the total suspended solids (TSS), the presence of visible oil and grease and the pH. Two monitoring stations were established and at no times the collected measurements exceeded the parameters thresholds indicated in the Water Licence.

### **WASTE MANAGEMENT**

The total volume of waste generated during the 2023's construction season is estimated to 110.6 m<sup>3</sup>. From this volume, about 46 m<sup>3</sup> of used wood and pallets were salvaged by the community and 12.3 m<sup>3</sup> of waste were shipped off-site for disposal or recycling. The diverted waste from the community disposal facility represents 53% of the total volume of waste generated.

### **SPILL**

A total of 5 spills of diesel and hydraulic oil, each less than 100 L, occurred during the 2023 construction season.