

## 17.0 WASTEWATER DISPOSAL

Domestic (i.e. sanitary) wastewater from the Project will be sent to the City of Belfast Wastewater Treatment Facility for processing. Delivery will be through the pre-existing municipal sewer network located along Northport Avenue. To reach the existing sewer infrastructure from the Site, a new pump station and sewer extension along Perkins Road will be installed. At full build-out, the estimated average daily flow of domestic wastewater generated by the Project is calculated at 1,500 gallons. A letter from the City of Belfast Wastewater Treatment Facility acknowledging sufficient capacity for collection and treatment of domestic wastewater is included as **Appendix 17-A**. Details and specifications regarding the new sewer extension and pump station are included in utility drawings **CU100-CU109**, **CU301-CU304**, **CU501-CU505**, and **CU601**, included herein as **Appendix 17-B**.

Process wastewater from RAS smolt tanks, grow-out tanks, and fish processing facility, will be directed to an on-site wastewater treatment facility and discharged through a 36-inch diameter pipeline into Belfast Bay. At full build-out, process wastewater generated by the Project is calculated at a maximum of 7.7 million gallons per day (MGD). A Maine Pollutant Discharge Elimination System (MEPDES) permit application required for this discharge has previously been submitted on October 19, 2018 to the Maine Department of Environmental Protection (MEDEP) for review. Environmental assessments provided in the MEPDES permit application concluded the maximum proposed discharge will not adversely impact the water quality of Belfast Bay. Design details for the discharge pipeline are included in plans **CS101-CS104**, **CS301**, **CS501-CS505**, and **M-100**, included herein as **Appendix 17-C**. Please refer to the submitted MEPDES permit for additional details pertaining to process wastewater, including composition and treatment.

**APPENDIX 17-A**

City of Belfast Wastewater Treatment Facility Letter

**APPENDIX 17-B**

Utilities Engineering Drawings

**APPENDIX 17-C**

Seawater Pipeline Engineering Drawings