

4.4 Conventional Pollutants

Pollutants of Concern	Basis
pH	<p>The instream wastewater concentration (IWC) is 99%. When the IWC is greater than 50%, there is reasonable potential for pH to cause or contribute to violations of the instream Georgia Water Quality Standard; therefore, pH limits of 6.0-8.5 SU (daily minimum-daily maximum) were maintained in the draft permit. Refer to Section 4.7.1 below for calculations.</p>
Five-Day Biochemical Oxygen Demand (BOD ₅)	<p>The monthly average BOD₅ limit was decreased from 30 mg/L to 20 mg/L in draft permit. According to the steady-state dissolved oxygen Georgia DOSAG model, the proposed limit, when combined with the ammonia and dissolved oxygen limits (Refer to Section 4.5 below), is protective of the instream Water Quality Standard for dissolved oxygen described in Section 3.1 above.</p> <p>A review of Discharge Monitoring Report data indicates that the facility can meet the proposed limit without process modification; therefore, a compliance schedule was not included in the draft permit.</p>
Total Suspended Solids (TSS)	<p>The current monthly average TSS limit of 30 mg/L has been maintained in the draft permit. The proposed limit is in accordance with EPD's <i>Guidelines for Establishing Technology-Based Total Suspended Solids (TSS) Limits in Domestic Wastewater NPDES Permits</i>, 2020.</p>