



Skagit County Clean Water District Wastewater Capacity Plan

Skagit County owns a small-scale wastewater treatment facility in the Town of Edison consisting of approximately 75 residential and commercial connections, individual customer on-site STEP tanks, a gravity and pumped collection system, and plant featuring filtration, UV disinfection, discharging to two adjacent drain fields including a 5-acre drain field and an Emergency Upflow Trench. The system has been in place for approaching 30 years and is managed by a volunteer Subarea Board together with contracted maintenance, operation, and administration personnel. The County is soliciting interest from engineering firms interested in providing professional engineering services for a Wastewater Capacity Plan including an Inflow and Infiltration (I&I) analysis.

The State Department of Ecology (Ecology) issued a State Waste Discharge Permit (Permit) No. ST0045515 on March 1, 2020. This Permit expires on February 28, 2025. All discharges and activities authorized by this Permit must comply with the Ecology's terms and conditions including Section S4.B of the Permit that stipulates that the County **must submit plans for maintaining adequate capacity in the system.**

During the last permit cycle, possibly affected by high tides and significant rainfall events, the facility has repeatedly reached full gravel filter and drainfield capacity. These events trigger a Plan submittal and in addition, an annual progress report describing the approach and progress to complete the required **Capacity Plan**. The completed Plan must be submitted to Ecology by March 1, 2024.

Per the Permit, the Capacity Plan must include the following:

- Analysis of the present design and proposed process modifications.
- Reduction or elimination of excess infiltration and inflow of ground and surface water into the sewer system.
- Needed modification or expansion of the facility.
- Reduction of commercial flows and waste loads.
- Limit on future sewer extensions or connection of additional waste loads.

The proposed Scope of Work is as follows:

- Quantify of level of inflow/infiltration from each collection basin in order to identify areas exceeding a peak day to monthly average peaking factor.
- Determine the inflow/infiltration related actions and projects necessary to reduce the I&I and submit plans for maintaining adequate capacity in the system.
- Describe policies and practices for removing I&I sources.
- Estimate the cost for each project for maintaining adequate capacity.
- Prioritize the list of projects to most cost effectively reduce the level of I&I.
- Describe positive impacts that I&I reductions will have on the plant.

Interested parties should respond with a Statement of Qualifications and a brief summary of the proposed approach to the project. **Submittals must be received at the County by 4:00 PM on November 5, 2021. Submittals are to be mailed to: Kayla Schott-Bresler, Deputy County Administrator 1800 Continental Place, Suite 100 Mount Vernon WA 98273. Questions can be directed to the system Operator, Don Erickson, at 360-757-4085. Electronic submittals will not be accepted.**

Submit four (4) copies of your qualification and label your submission **“Edison Clean Water District Subarea Wastewater Capacity Plan”**.

Submittals should include the following information: Firm name, phone and email address, name of project manager, list of employees expected to work on the project, and a listing of similar projects completed.

Submittals will be evaluated and ranked based on the following criteria: 1) Approach to the project, 2) Key personnel, 3) Experience with similar projects, 4) Familiarity with relevant codes and standards, 5) Past performance and references.

Skagit County is an equal opportunity employer. All interested parties, including disadvantaged, minority, and women-owned business enterprises are encouraged to respond to this notice.