



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

PO Box 47775 • Olympia, Washington 98504-7775 • (360) 407-6300

November 15, 2012

The Honorable Hugh Haffner, Commissioner
Clallam County Public Utility District
2431 E. Highway 101
P.O. Box 1090
Port Angeles, WA 98362

The Honorable Jim McEntire, Commissioner
Clallam County Board of County Commissioners
223 East 4th Street, Suite 4
Port Angeles, WA 98362-3000

RE: Sewer Facilities Plan for Carlsborg UGA, June 2012

Dear Commissioners,

Pursuant to Revised Code of Washington (RCW) 90.48.110, and Chapters 173-240 and 173-245 Washington Administrative Code (WAC), the above-referenced plan has been reviewed and is hereby **Approved** as a General Sewer and Wastewater Facility Plan, with the following conditions.

A. Design Memoranda and Response Plan

Six months prior to your submittal of plans and specifications to us for project construction (or earlier), the PUD and County must submit for our approval:

1. A design memorandum from your engineer describing the basis for the selection of any disc filtration system. The memo must include any specifications or calculations used to select the filter system.
2. A design memorandum from your engineer describing the odor control system, including specifications and/or calculations. Given the proximity to adjacent land uses, we encourage you to house the treatment facility (including headworks) in a building where you can better control fugitive emissions.
3. A response plan describing actions you will take to protect nearby potable groundwater use should groundwater quality under the site approach or exceed state drinking water contaminant criteria as a result of the project. That response plan could include increased



levels of treatment and monitoring; changes to points of compliance; and provisions for providing PUD water to neighboring or nearby properties.

B. Hydrogeologic Study Plan and Reports

1. The PUD and County shall submit for The Department of Ecology (Ecology) approval a hydrogeological study plan for the property. The study must allow the County and PUD to determine or document:
 - a. Existing seasonal groundwater quality at the site over a two-year period prior to the start of reclaimed water infiltration. The study plan may propose monitoring of parameters at differing frequencies but generally we expect quarterly sampling for groundwater quality for most parameters. We may approve study plans with a higher frequency of sampling for a shorter period of time (e.g. monthly sampling for one year).
 - b. Depth to restrictive layers and groundwater, and establishment of groundwater flow direction prior to the start of reclaimed water infiltration.
 - c. Aquifer parameters including thickness and hydraulic conductivity.
 - d. Nearby wells, surface water bodies or structures that may be impacted by reclaimed water infiltration.
 - e. Groundwater mounding and changes in flow direction resulting from infiltration.

As with the design memoranda and response plan, you must submit the study plan six months prior to your submittal of plans and specifications for project construction (or earlier).

2. Within one year of the date of our approval of the study plan, the PUD and County shall submit to Ecology a hydrogeologic report detailing the results of the hydrogeological study and the initial period of data collection.
3. Three months prior to the application of reclaimed water at the site, the PUD and County shall submit a final hydrogeologic report to Ecology detailing the results of the hydrogeological study, including any modifications to findings from the study plan or earlier report.

C. Project Schedule Submittal

By January 1, 2013 and every six months thereafter (i.e. on July 1, 2013; January 1, 2014, etc) until the PUD and County satisfy the conditions of this approval letter, the PUD and County must submit a brief progress report describing activities in the prior six months; and an updated schedule (e.g. Gantt chart) for permitting, design and construction of the collection system mains and reclaimed water treatment plant described in the approved facility plan.

A copy of the Facility Plan cover page with our approval stamp is being returned for your records. Please notify us immediately of any proposed changes or revisions to the approved document. You will need to propose any such changes or revisions in the form of addenda,

technical appendices, or supplemental reports to the original, approved documents and we will need to approve the changes.

We have made a preliminary determination that the project as proposed is 100 percent eligible for a State Water Pollution Control Revolving Fund (SRF) loan. This determination is based on the design flow being within the projected 20-year eligible design flow allowed under the SRF Program. This preliminary determination is provided as a courtesy for financial planning, and it is based on the current *Water Quality Program Funding Guidelines*. Future versions of the guidelines are subject to changes, which may alter this determination. The estimated construction cost for the new wastewater plant and collection system is \$12,259,000; the estimated total project cost, including design, is \$15,579,000.

The Department of Ecology's financial hardship criteria established in Chapter 173-95A WAC, "*Uses and Limitations of Centennial Clean Water Fund*", Chapter 173-98 WAC, "*Uses and Limitations of the Water Pollution Control Revolving Fund*", and the *Water Quality Program Funding Guidelines* must be met by a "public body," as defined in WAC 173-95A-020 (42) and WAC 173-98-029 (36), to be considered for grant assistance.

Nothing in this approval shall be construed as satisfying other applicable federal, state or local statutes, ordinances or regulations.

If you have any questions, please contact Gregory Zentner P.E., Supervisor, Municipal Operations Unit at (360) 407-6368; or Steven Ogle P.E., Facility Manager at (360) 407-6318.

Sincerely,



Robert W. Bergquist, LEED® AP
Southwest Region Manager
Water Quality Program

Enclosure

cc: Sheila Rork Miller, Director, Clallam County Department of Community Development
Carol Creasey, Clallam County Department of Community Development
Doug Nass, General Manager, Clallam County Public Utility District
Mike Kitz, Superintendent, Water & Wastewater; Clallam County Public Utility District