

EXHIBIT "K-1" ¹

NITRATE-NITROGEN MONITORING AND CANYONFALLS CREEK

Post-construction water quality monitoring of water quality impacts on Canyonfalls Creek will focus on:

- (1) off-site Canyonfalls Creek recharge from the shallow aquifer, and
- (2) ground water quality from an existing shallow aquifer well and at the Canyonfalls Creek Spring.

Sampling protocols and quality assurance / quality control will be derived from the freshwater chapter of the Puget Sound Estuary Program (1990) and applicable sections of the EPA 40CFR part 136(1996). The monitoring plan is shown on Table 1 and described in more detail below.

If the on-site community septic drainfield option is employed, the project would monitor nitrate-nitrogen at the Canyonfalls Creek spring and monitor nitrate-nitrogen in well TW-2, rescreened to sample from the upper portion of the shallow aquifer. Well TW-2 is between the proposed community drainfield site and the Canyonfalls Creek spring.

After the project is connected to the permanent sewer system, TW-2 ground water monitoring and Canyonfalls Creek monitoring would continue for three years after completion of Phase I. If the project is connected to the permanent sewer system from inception, TW-2 ground water monitoring would commence with development and cease three years after completion of Phase I.

Reporting

Yearly status reports will provide a comparison of post-development and baseline data. If required by Washington State through development of interim community drainfield systems, this will include analysis of nitrate to determine if it is significantly greater than predicted during the first years of development. If significant and potentially harmful differences are found, mitigation measures would be employed in consultation with the County and interested parties.

¹ This Exhibit K-1 reflects and includes modifications ordered by Condition No. 6 of the Second Minor Amendment to the Cascadia Employment Based Planned Community Planned Unit Development – Phase 1 (7-11-2007).

TABLE 1

Phase I Post-Construction Ground Water Monitoring Plan

Parameter	Canyonfalls Ck. @ TPUD Bridge	Ground Water Well TW-2
Total Suspended Solids	4 times (seasonally)	4 times (seasonally)
Zinc	4 times (seasonally)	4 times (seasonally)
Copper	4 times (seasonally)	4 times (seasonally)
Lead	4 times (seasonally)	4 times (seasonally)
Cadmium	4 times (seasonally)	4 times (seasonally)
Hardness	4 times (seasonally)	4 times (seasonally)
Pesticide Screen	4 times (seasonally)	4 times (seasonally)
pH (in situ)	4 times (seasonally)	4 times (seasonally)
Temperature (in situ)	4 times (seasonally)	4 times (seasonally)
Dissolved Oxygen (in situ)	4 times (seasonally)	4 times (seasonally)
Conductivity (in situ)	4 times (seasonally)	4 times (seasonally)
Continuous Water Level	Yes	Yes
Continuous rainfall, temperature, evaporation	Yes	Yes
Continuous nitrate-nitrogen	Yes	Yes

