



**STATE OF WASHINGTON DEPARTMENTS OF ECOLOGY AND HEALTH
PERMIT APPLICATION for RECLAIMED WATER USE**

For Office Use Only:
 Date Received _____ Application/Permit No. _____

This application is for a

- New Reclaimed Water Use Permit
- Renewal
- Modification of permit # _____

as required in accordance with the provisions of Chapters 90.46 RCW. All questions must be answered completely and accurately to be considered for coverage. If a question does not apply, answer with NA.

SECTION A. GENERAL INFORMATION

A-I. PERMITTEE: Public Private UBI No. _____

Name of Utility or Business: City of Snoqualmie	Is the operator also the owner? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Primary Contact Name: Todd Saxberg	Name of Operator: NA
Title: Utilities Operations Manager	Operator Primary Contact Name:
Phone No: (425) 888-8011	Title:
E-mail Address: Tsaxberg@ci.snoqualmie.wa.us	Phone No:
Primary Mailing Address 'PO Box 987	E-mail Address
City Snoqualmie Zip + 498065	Primary Mailing Address
	City Zip + 4
BILLING INFORMATION (if different from primary contact)	
Business/Company Name	Phone No.
Mailing Address	City Zip + 4

A-II. Provide a narrative description and map of the entire project – not just the treatment facility.

- Check this box if there are attached submittals for this section.
- No current project. N/A.

A-III. WASTEWATER DISCHARGE MANAGEMENT: Check here if the other required forms are attached.

Permits for reclaimed water are issued in combination with any required NPDES or state wastewater discharge permits. Check the boxes in column below to determine which (if any) wastewater discharge permit application forms apply for this facility. Note that unless 100% of the water generated will be reclaimed AND used, wastewater discharge applications must also be required. Permit application forms are available on Ecology's website.

All wastewater is generated, treated and used on site. No wastewater discharges from this site.

Wastewater discharges to waters of the US. NPDES PERMIT REQUIRED

Wastewater discharges to land or ground water. STATE WASTE DISCHARGE PERMIT REQUIRED. ECY 040-179.

This facility discharges industrial process wastewater for treatment at a publicly owned treatment works. STATE PRETREATMENT PERMIT REQUIRED. ECY 040-177.

The only discharge from this site is reclaimed water meeting state standards (see Section V below).

Facility discharges reclaimed water to a drywell, drainfield, or an infiltration system that uses perforated pipe to discharge to the subsurface and complies with the Underground Injection Control Program (UIC) regulations, 173-218 WAC.

A-IV. RECLAIMED WATER PRODUCTION: Section B required Check here if Attached.

Primary Treatment Facility Contact: See above	Title:
E-mail Address:	Phone No.
Mailing Address:	City Zip + 4
Check type(s) of reclaimed water quality produced. <input checked="" type="checkbox"/> Class A <input type="checkbox"/> Class B <input type="checkbox"/> Class C <input type="checkbox"/> Class D	For ground water recharge, surface water augmentation or wetlands check additional treatment or water quality requirements achieved. <input type="checkbox"/> Nitrogen reduction <input type="checkbox"/> Drinking water standards <input type="checkbox"/> Surface water standards <input type="checkbox"/> Wetland standards <input type="checkbox"/> Reverse osmosis <input type="checkbox"/> Other - Explanation attached

Provide the status of each required submittal below. If submittal does not apply to your facility, enter NA.

Submittal	Title	Date	Attached	Submitted	Approved
Reclaimed Water Engineering Report	City of Snoqualmie Reclaimed Water Reuse Plan	May 2015	<input checked="" type="checkbox"/> p.1 only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Reliability Assessment	City of Snoqualmie Reclaimed Water Reuse Plan	May 2015	<input checked="" type="checkbox"/> p.1 only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Note: The engineering report above is the report required in the State Water Reclamation and Reuse Standards Publication #97-023.

Check this box if there are multiple engineering submittals for different treatment processes or sites. Attach a list of these specific submittals to include coverage under this permit

Snoqualmie Water Reclamation Facility Improvements Engineering Report, December 2015
p. 1 only Attached, Submitted, Approved

A-V. RECLAIMED WATER USE: Section D Required Check here if attached.

Check all categories of use of reclaimed water.	<input type="checkbox"/> Wetlands
<input type="checkbox"/> Industrial or commercial uses	<input type="checkbox"/> Streamflow augmentation
<input checked="" type="checkbox"/> Land application (irrigation)	<input type="checkbox"/> Direct aquifer recharge
<input type="checkbox"/> Impoundments	<input type="checkbox"/> Other - Explanation attached
<input type="checkbox"/> Groundwater recharge by surface percolation	<input type="checkbox"/> Indirect use (controlled)
	<input type="checkbox"/> Mitigation for new appropriative water rights

A-VI. WATER RIGHT IMPAIRMENT INFORMATION

State law requires that facilities that reclaim water shall not impair existing water rights downstream of any freshwater discharge points from such facilities unless compensation or mitigation is agreed to by the holder of the affected water right.

Does diversion of reclaimed water result in impairment of existing downstream water rights?
 No Yes

If yes, briefly describe method of compensation or mitigation of the affected water right(s).
N/A

A-VII. SUMMARY OF REQUIRED SUBMITTALS

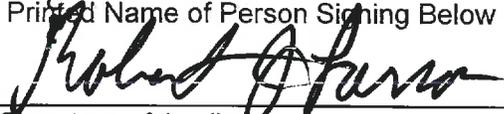
Provide the status of each required submittal below. If submittal does not apply to your facility, enter NA.

Submittal	Title	Date	Attached	Submitted	Approved
Water Right Impairment Analysis	Unknown	Unknown	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
User Contracts	Class "A" Reclaimed Water Service Agreements	2007-2008	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Public Water System's Cross Connection Control Plan	City of Snoqualmie Cross-Connection Control Progra	Unknown	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Check this box if there are multiple submittals under the above categories for use sites or uses. **Attach** a list of these specific submittals for coverage under this permit.

A-VIII. CERTIFICATION BY PERMITTEE:

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

<u>Robert Larson</u>	<u>City Administrator</u>
Printed Name of Person Signing Below	Title
<u></u>	<u>9/28/2018</u>
Signature of Applicant	Date Applicant Signed

NOTE: Applications must be signed as follows: A.) For corporation, by a principal executive officer of at least the level of vice president; B.) For a partnership or sole proprietorship, by a general partner or the proprietor, respectively; or C.) For a municipality, state, federal, or other public facility, by either a principal executive officer or ranking elected official.

A-IX. SUBMITTAL INSTRUCTIONS:

A complete application must contain all required forms for source control, discharges and reclaimed water use. The Departments of Ecology and Health may request additional information regarding water quality and the location, rate and purposes of use. Information from other submittals attached must reference submittal name, date and page number.

Submit the completed application **forms** to the appropriate Ecology regional office and to the Department of Health at the addresses listed below.

Washington State Department of Ecology (see map below for regional offices)	
Ecology Southwest Regional Office Water Quality Program Attn: Permit Coordinator PO Box 4775 Olympia, WA 98504-7775	Phone: 360-407-6279
Ecology Northwest Regional Office Water Quality Program Attn: Permit Coordinator 3190 - 160 th Avenue SE Bellevue, WA 98008-5452	Phone: 425-649-7201
Ecology Central Regional Office Water Quality Program Attn: Permit Coordinator 15 West Yakima Avenue, Suite 200 Yakima, WA 98902-3401	Phone: 509-457-7105
Ecology Eastern Regional Office Water Quality Program Attn: Permit Coordinator N. 4601 Monroe, Suite 100 Spokane, WA 99205-1295	Phone: 509-329-3537
Washington State Department of Health Office of Drinking Water, Suite #1500 Attn: Mamdouh El-Aarag, Water Reclamation & Reuse Program 16021 E. Indiana Avenue, Spokane Valley, Washington 99216	Phone: 509-329-2148

Headquarters (Lacey) 360-407-6000
If you are speech or hearing impaired, call 711 or 1-800-833-6388 for TTY



**STATE OF WASHINGTON DEPARTMENTS OF ECOLOGY AND HEALTH
 PERMIT APPLICATION for RECLAIMED WATER USE**

SECTION B. RECLAIMED WATER PRODUCTION

Complete a separate section B for each treatment facility site covered under this permit. All questions must be answered completely and accurately to be considered for coverage. If a question does not apply, answer NA.

B-I. TREATMENT FACILITY SITE INFORMATION:

Facility: City of Snoqualmie Water Reclamation Facility	
Primary Contact: Thomas Holmes	Title: Wastewater Superintendent
E-mail Address: THolmes@ci.snoqualmie.wa.us	Phone No. (425) 888-4153
Mailing Address: PO Box 987	City: Snoqualmie Zip + 498065
Provide latitude and longitude points where reclaimed water leaves the treatment facility: 47.540741, -121.831507	
Provide directions to site from nearest hwy or city/town: From Snoqualmie, head northwest on Railroad Avenue toward SE King Street. At the traffic circle, take the first exit onto SE Stearns Road, then take the first left.	

B-II. CLASS OF RECLAIMED WATER PRODUCED AT THIS FACILITY:

- Class A
 Class B
 Class C
 Class D
 Other Process / Water Quality Limits (explain):

B-III. EXISTING PERMITS: List all existing environmental permits at this location by type, issue date, expiration date, and permit number. If no existing permits, enter NONE.

Type of Permit	Issued (date)	Expires (date)	Permit Number
NPDES Waste Discharge Individual Permit	04/29/2014	05/01/2019	WA0022403

B-IV. LIST ALL SOURCES OF WATER TREATED TO RECLAIMED WATER AT THIS SITE:

Type of Water	Where Generated	Volume Treated	Percentage of Total
Untreated Domestic Sewage	<input type="checkbox"/> On-site <input checked="" type="checkbox"/> Off-site	0.72 MGD	100
Secondary Effluent	<input type="checkbox"/> On-site <input type="checkbox"/> Off-site		
Storm Water	<input type="checkbox"/> On-site <input type="checkbox"/> Off-site		
Industrial Process Water	<input type="checkbox"/> On-site <input type="checkbox"/> Off-site		
Commercial Use Water	<input type="checkbox"/> On-site <input type="checkbox"/> Off-site		
Agricultural Industrial Process Water	<input type="checkbox"/> On-site <input type="checkbox"/> Off-site		
Other:	<input type="checkbox"/> On-site <input type="checkbox"/> Off-site		

B-V. INFORMATION ON INDUSTRIAL AND COMMERCIAL FACILITIES DISCHARGING TO SOURCE WATER.

<p>Identify all industries and large commercial facilities discharging <u>to</u> the source water for the reclamation plant by name, type of industry, address telephone number and contact name. Attach additional sheets if needed.</p>			
Industry/Facility Name:	MicroConnex, Inc.	JR Four Ltd dba Technical Glass	Girard Resources and Recycling
Type:	Circuit board manufact.	Metal finishing	Nonhazardous waste treatment
State Permit #:	ST0501298	ST0045534	ST0045516
Street Address:	34935 SE Douglas St	8107 Bracken Place SE	38190 SE Stearns Road
Mailing Address:	34935 SE Douglas St Suite 110 Snoqualmie WA 98065	8107 Bracken Place SE Snoqualmie WA 98065	PO Box 14727 Mill Creek WA 98082
Telephone:	(425) 396-5707 ext 244	(425) 396-8205	(425) 471-9528
Contact Name:	Jeff Nelson	Jeff Razwick	Riley Carr
E-mail Address:	Unknown	JeffR@fireglass.com	riley@girardresources.com

B-VI. TREATMENT PROCESSES USED TO PRODUCE RECLAIMED WATER AT THIS SITE:

Check (✓) all unit processes used to produce reclaimed water at this site. Enter the # of units.

Treatment Process	✓	Unit Process	# of Units	
Preliminary Treatment	<input checked="" type="checkbox"/>	Manually Operated Bar Screens	1	
	<input type="checkbox"/>	Mechanically Operated Bar Screens		
	<input checked="" type="checkbox"/>	Fine Screen – Size:	2	
	<input type="checkbox"/>	Comminutor/Grinder		
	<input checked="" type="checkbox"/>	Grit removal	1	
	<input type="checkbox"/>	Pre-Aeration		
	<input type="checkbox"/>	Odor Control		
	<input checked="" type="checkbox"/>	Flow Measurement	1	
	<input type="checkbox"/>	Flow Equalization		
	<input type="checkbox"/>	Septage or Other Hauled Wastes		
<input type="checkbox"/>	Other:(specify)			
Primary Treatment	<input type="checkbox"/>	Sedimentation Tanks/Clarifiers		
	<input type="checkbox"/>	Septic Tanks		
	<input type="checkbox"/>	Other (Specify)		
Secondary Treatment Biological Oxidation	<input checked="" type="checkbox"/>	Activated Sludge	Conventional	2
	<input type="checkbox"/>		Batch Treatment (SBR)	
	<input type="checkbox"/>		Extended Aeration	
	<input type="checkbox"/>		Package Plant	
Post Secondary Treatment	<input checked="" type="checkbox"/>	Coagulation	2	
	<input type="checkbox"/>	Flocculation		
	<input type="checkbox"/>	Sedimentation		
	<input checked="" type="checkbox"/>	Filtration	High-Rate Rapid Sand Filter	3
	<input type="checkbox"/>		Continuous Backwash Upflow	
	<input type="checkbox"/>		Rotating Filter Disk	
	<input type="checkbox"/>		Compressible Fiber Filter	
	<input type="checkbox"/>		Traveling Bridge Filter	
<input type="checkbox"/>	Membrane Filter <input type="checkbox"/> Microfiltration <input type="checkbox"/> Ultrafiltration			
<input type="checkbox"/>	Membrane Bioreactor <input type="checkbox"/> Microfiltration <input type="checkbox"/> Ultrafiltration			
<input type="checkbox"/>	Other: (specify)			
Advanced Treatment	<input type="checkbox"/>	Nanofiltration		
	<input type="checkbox"/>	Reverse Osmosis		
	<input type="checkbox"/>	Other (specify)		

Disinfection	<input type="checkbox"/>	Chlorine Gas	
	<input type="checkbox"/>	Hypochlorite	
	<input checked="" type="checkbox"/>	Ultraviolet Light	2
	<input type="checkbox"/>	Ozone	
	<input type="checkbox"/>	Other (specify):	
On-Site Storage	<input type="checkbox"/>	Lined Pond	
	<input type="checkbox"/>	Unlined Pond	
	<input type="checkbox"/>	Covered Tank	
	<input type="checkbox"/>	Other (specify):	
Chemical Additives <input type="checkbox"/> List attached	<input checked="" type="checkbox"/>	List <u>all</u> chemical additives associated with the treatment processes (e.g. alum for coagulation, chlorine for oxidation). Attach list if needed. Alum for suspended solids removal (i.e. coagulation) Liquid cationic coagulant polymer for suspended solids removal (i.e. coagulation)	
Other Treatment (Specify)	<input type="checkbox"/>		
	<input type="checkbox"/>		

B-VII. FACILITY DIAGRAM

Attach a sketch, aerial photograph, or map, including scale, of the treatment facility showing the following:

✓	Check items shown on the attachment.
<input checked="" type="checkbox"/>	Approximate overall dimensions of the facility
<input checked="" type="checkbox"/>	A properly labeled line drawing of all water and wastewater flows including direction of flow
<input checked="" type="checkbox"/>	All chemical storage areas
<input checked="" type="checkbox"/>	All discharge point(s) and receiving water(s)
<input checked="" type="checkbox"/>	All sludge (or biosolids) storage, processing or disposal areas
<input type="checkbox"/>	
<input type="checkbox"/>	

B-VIII. CHARACTERISTICS OF RECLAIMED WATER PRODUCED

Enter X for parameters known to be present in the reclaimed water, or S for parameters suspected to be present. Provide data for all X or S. Mark NA for parameters that are not of concern at this facility.

New Treatment Facility – Estimate concentrations based on design.

Existing facility - Use actual operating data for the last year of operation where available - indicated by (✓)

X/S	Actual data ✓	Parameter	Concentration			# of Analyses	Analytical Method	Detection Limit
			Minimum	Maximum	Average			
X	<input checked="" type="checkbox"/>	BOD (5 day)	1 mg/L	3 mg/L	1.64 mg/L	51	SM 5210 B	2 mg/L
NA	<input type="checkbox"/>	COD						
NA	<input type="checkbox"/>	Total Organic Carbon						
X	<input checked="" type="checkbox"/>	Total Suspended Solids	1 mg/L	5 mg/L	2.2 mg/L	51	SM 2540 D	NA
NA	<input type="checkbox"/>	Total Dissolved Solids						
NA	<input type="checkbox"/>	Conductivity						
X	<input checked="" type="checkbox"/>	pH	6.74	7.22	7.02	118	SM 4500-H+B	NA
NA	<input type="checkbox"/>	Ammonia-N						
NA	<input type="checkbox"/>	Total Kjeldahl N						
NA	<input type="checkbox"/>	Nitrate + Nitrite-N						
X	<input checked="" type="checkbox"/>	Total Nitrogen-N	3.42 mg/L	8.6 mg/L	5.73	17	EPA 351.2	0.1 mg/L
NA	<input type="checkbox"/>	Ortho-phosphate- P						
NA	<input type="checkbox"/>	Total-phosphate-P						
NA	<input type="checkbox"/>	Total Residual Chlorine						
NA	<input type="checkbox"/>	Free Residual Chlorine						
X	<input checked="" type="checkbox"/>	Total Coliform	0 #/100 mL	15 #/100 mL	0.99 #/100 mL	118	SM 9222 D	20 #/100 mL
X	<input checked="" type="checkbox"/>	Dissolved Oxygen	1.14 mg/L	6.12 mg/L	2.5 mg/L	118	Hach 10360	0.2 mg/L
NA	<input type="checkbox"/>	Total Oil and Grease						
NA	<input type="checkbox"/>	Calcium						
NA	<input type="checkbox"/>	Chloride						
NA	<input type="checkbox"/>	Fluoride						
NA	<input type="checkbox"/>	Magnesium						
NA	<input type="checkbox"/>	Potassium						
NA	<input type="checkbox"/>	Sodium						
NA	<input type="checkbox"/>	Sulfate						
NA	<input type="checkbox"/>	Barium (total)						
NA	<input type="checkbox"/>	Cadmium (total)						
NA	<input type="checkbox"/>	Copper (total)						
NA	<input type="checkbox"/>	Iron (total)						
NA	<input type="checkbox"/>	Lead (total)						

Date Began Operation	1998
Date of Last Upgrade	2017
Date Planned Upgrades	N/A
Describe how influent flow is measured: 18" Parshall flume	
Describe how effluent flows are measured:Magmeter	
Attach actual flow records for the last year (if available) Attached	

B-XI. FACILITY ALARMS. Describe how the following alarm features are provided. If referencing information in an engineering report or other submittal, give name of submittal, date and page number of information. Attach additional sheets if needed.

Required Alarms	How Provided
Loss of power from normal power supply	An alarm condition is triggered and the SCADA system will stop the reclaimed water pumps from running until reset by an operator (Reclaimed Water Reuse Plan, May 2015, p. 3-15)
Alarms independent of normal power supply	The standby generator runs the SCADA system (Reclaimed Water Reuse Plan, May 2015, p. 3-15)
Master Alarm Inter-connect all site alarms Who is notified? On-call operator	Duty cell phone
Master alarm to remote service location Who is notified? On-call operator	Duty cell phone

B-XII. FACILITY RELIABILITY. In the table below, indicate (✓) which reliability requirements are used at this facility. One or more reliability features are required for each category. If the treatment category does not apply to this facility, write NA.

Reliability Category	✓	Option
Power Supply	Check which of the following are provided (at least one required)	
	<input checked="" type="checkbox"/>	Alarm and standby power source
	<input type="checkbox"/>	Alarm & automatically actuated short term storage or disposal
	<input type="checkbox"/>	Automatically actuated long term storage
	<input type="checkbox"/>	Approved other - specify
Emergency Storage or Disposal	Check which of the following are provided (at least one required)	
	<input type="checkbox"/>	Long term storage on-site. No disposal options
	<input type="checkbox"/>	Emergency short-term storage with approved disposal option
	<input checked="" type="checkbox"/>	Approved other – specify Diversion to river outfall
Biological Treatment	Check which of the following are provided (at least one required)	
	<input checked="" type="checkbox"/>	Alarm and multiple units treating entire flow with one not in service
	<input type="checkbox"/>	Alarm, short-term storage or disposal and standby equipment
	<input type="checkbox"/>	Alarm and long-term storage or disposal provisions
	<input type="checkbox"/>	Automatic diversion to long-term storage or disposal.
	<input type="checkbox"/>	Approved other – specify
Check which of the following are provided (at least one required)		

Secondary Sedimentation	<input checked="" type="checkbox"/>	Multiple units treating entire flow with one unit not in service.
	<input type="checkbox"/>	Standby sedimentation unit process
	<input type="checkbox"/>	Approved long-term storage or disposal provisions
		Approved other – specify
Coagulation	Check which of the following are provided (all four are required).	
	<input checked="" type="checkbox"/>	Standby chemical feeders
	<input checked="" type="checkbox"/>	Adequate chemical storage and conveyance facilities
	<input checked="" type="checkbox"/>	Adequate reserve chemical supply
	<input checked="" type="checkbox"/>	Automatic dosage control

Facility: Snogualmie WRF

Coagulation (continued)	Check which of the following are provided (at least one required)	
	<input checked="" type="checkbox"/>	Alarm and multiple units treating entire flow with one not in service.
	<input type="checkbox"/>	Alarm, short-term storage or disposal and standby equipment.
	<input checked="" type="checkbox"/>	Alarm and long-term storage or disposal provisions
	<input checked="" type="checkbox"/>	Automatic diversion to long-term storage or disposal provisions.
	<input type="checkbox"/>	Approved other – specify
Filtration	Check which of the following are provided (at least one required)	
	<input checked="" type="checkbox"/>	Alarm and multiple units treating entire flow with one not in service.
	<input type="checkbox"/>	Alarm, short-term storage or disposal and standby equipment.
	<input checked="" type="checkbox"/>	Alarm and long-term storage or disposal provisions
	<input checked="" type="checkbox"/>	Automatic diversion to long-term storage or disposal provisions.
	<input type="checkbox"/>	Approved other – Specify
Reverse Osmosis	Check which of the following are provided (at least one required)	
	<input type="checkbox"/>	Alarm and multiple units treating entire flow with one not in service.
	<input type="checkbox"/>	Alarm, short-term storage or disposal and standby equipment.
	<input type="checkbox"/>	Alarm and long-term storage or disposal provisions
	<input type="checkbox"/>	Automatic diversion to long-term storage or disposal provisions.
	<input type="checkbox"/>	Approved other – Specify
Ultraviolet Disinfection	Check which of the following are provided (at least one required)	
	<input checked="" type="checkbox"/>	Alarm and multiple units treating entire flow with one not in service.
	<input type="checkbox"/>	Alarm, short-term storage or disposal and standby equipment.
	<input checked="" type="checkbox"/>	Alarm and long-term storage or disposal provisions
	<input checked="" type="checkbox"/>	Automatic diversion to long-term storage or disposal provisions.
	<input type="checkbox"/>	Approved other – Specify
Chlorine Disinfection	Check which of the following are provided (all six are required).	
	<input type="checkbox"/>	Standby chlorinator
	<input type="checkbox"/>	Standby chlorine supply
	<input type="checkbox"/>	Manifold system to connect chlorine cylinders
	<input type="checkbox"/>	Chlorine scales

3. Describe any plans to modify the use of reclaimed water at this site.

No modifications

Description attached.

D-III. SITE ACCESS AND NOTIFICATION OF USE

In the table below, indicate (✓) which methods are used at this area to notify the public of reclaimed water use.

✓	Check which of the following are provided:
<input type="checkbox"/>	Advisory signs posted at location
<input type="checkbox"/>	Advisory signs posted on tank trucks
<input type="checkbox"/>	Advisory signs posted in storage areas
<input type="checkbox"/>	Written notices. Check who receives notification: <input type="checkbox"/> General Public <input type="checkbox"/> Employees <input type="checkbox"/> Residents <input type="checkbox"/> Customers
<input type="checkbox"/>	Golf course score cards
<input type="checkbox"/>	Identification of areas not designated for reclaimed water use. Check which apply: <input type="checkbox"/> Buildings <input type="checkbox"/> Drinking fountains <input type="checkbox"/> Eating areas <input type="checkbox"/> Passing vehicles <input type="checkbox"/> Other (Specify): _____
<input type="checkbox"/>	Purple color coding: Check which apply: <input type="checkbox"/> Pipes <input type="checkbox"/> Valves <input type="checkbox"/> Outlets
<input type="checkbox"/>	Training programs: <input type="checkbox"/> Employees <input type="checkbox"/> Residents <input type="checkbox"/> Customers <input type="checkbox"/> Truck use <input type="checkbox"/> Other (Specify): _____

D-IV. CROSS CONNECTION CONTROL

<p>Check which of the following apply:</p> <p><input type="checkbox"/> Reclaimed water use area is serviced only with reclaimed water</p> <p><input type="checkbox"/> Reclaimed water use area is serviced with both reclaimed and potable water</p>
<p>Answer all questions below where dual potable and reclaimed water systems exist.</p>
<p>1. All public water systems servicing this area are actively implementing and enforcing cross-connection control plans. <input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>2. All cross-connection control programs have been accepted by the Department of Health. <input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>3. How many illegal cross-connections were identified during the last reporting period (permit)?</p> <p style="padding-left: 40px;">a. How many of these were eliminated?</p> <p style="padding-left: 40px;">b. Attach description of any cross-connections found and efforts to eliminate. <input type="checkbox"/> Attached</p>

D-V. BEST MANAGEMENT PRACTICES (FOR SITE USE OF RECLAIMED WATER)

- All reclaimed water is used at this site is consumed on site. Site has no discharges.
- Site has the following discharges of reclaimed water to waters of the state.
 - Aquifer recharge by: Surface percolation Direct injection
 Note: If not owned by the Permittee, a separate permit application may be required for this discharge.
 - Discharges to surface waters or to wetlands discharging to surface waters. NPDES PERMIT REQUIRED
 Enter existing permit number (if any) _____.
 - This site uses reclaimed water for industrial process wastewater which is then discharged to a publicly owned treatment works. STATE PRETREATMENT PERMIT REQUIRED. ECY 040-177.
 - Discharges to wetlands that discharge to ground water. STATE WASTE DISCHARGE PERMIT REQUIRED. ECY 040-179.

In the table below, indicate (✓) which methods are used at this area to regulate reclaimed water use.

Category	✓	Option
General Site Management	Check which of the following are provided:	
	<input type="checkbox"/>	Other water used at this reclaimed water use site. Check all that apply: <input type="checkbox"/> Public potable water system <input type="checkbox"/> Private well <input type="checkbox"/> Surface water
	<input type="checkbox"/>	Site access is <input type="checkbox"/> unrestricted <input type="checkbox"/> restricted to public <input type="checkbox"/> restricted to most employees
	<input type="checkbox"/>	Rules prohibit the spraying with reclaimed water.
	<input type="checkbox"/>	Reclaimed water is confined to use areas. Set back distance:
	<input type="checkbox"/>	Rules prohibit hose bibs on reclaimed water lines.
	<input type="checkbox"/>	Use of reclaimed water is secured (authorized personnel only).
	<input type="checkbox"/>	Rules prohibit ponding of reclaimed water.
	<input type="checkbox"/>	Other restrictions (specify): <input type="checkbox"/> Additional information is attached.
Impoundments & Storage Ponds	<input type="checkbox"/>	Site has lined impoundments (ponds) with reclaimed water.
	<input type="checkbox"/>	Site has unlined impoundments (ponds) with reclaimed water. Describe method of seepage control. <input type="checkbox"/> attached
	<input type="checkbox"/>	Describe method to prevent breeding of vectors (for health protection). <input type="checkbox"/> attached
	<input type="checkbox"/>	Describe method to prevent odor, slime, poor aesthetics. <input type="checkbox"/> attached
	<input type="checkbox"/>	Describe ground water monitoring (if any): <input type="checkbox"/> attached
	<input type="checkbox"/>	Other (Specify): <input type="checkbox"/> Additional information is attached.

Irrigation Uses	<input type="checkbox"/>	Site has irrigation uses. <input type="checkbox"/> Seasonal use <input type="checkbox"/> Year round use <input type="checkbox"/> Landscape <input type="checkbox"/> Agriculture
	<input type="checkbox"/>	Type of irrigation <input type="checkbox"/> Spray irrigation <input type="checkbox"/> Flood irrigation <input type="checkbox"/> Surface drip system <input type="checkbox"/> Subsurface drip system <input type="checkbox"/> Other (specify): _____
	<input type="checkbox"/>	Hydraulic loading rates determined as follows: Check method boxes below: <input type="checkbox"/> By water balance <input type="checkbox"/> By other method Describe: _____ <input type="checkbox"/> Calculations attached <input type="checkbox"/> Submitted previously <input type="checkbox"/> Approved
	<input type="checkbox"/>	Application is controlled. Check methods of control. <input type="checkbox"/> Irrigation schedule (if available) attached. <input type="checkbox"/> Apply only when crops are growing. <input type="checkbox"/> Apply at night or when public is not present. <input type="checkbox"/> High wind cutoff to irrigation controls at <input type="checkbox"/> 15 mph <input type="checkbox"/> 25 mph <input type="checkbox"/> No application when ground is frozen <input type="checkbox"/> Use temperature set point <input type="checkbox"/> No application when ground in saturated <input type="checkbox"/> Use moisture sensors <input type="checkbox"/> Other (specify): _____
	<input type="checkbox"/>	Describe ground water monitoring <div style="text-align: right;"><input type="checkbox"/> Additional information is attached</div>

D-VI. LAND APPLICATION AND GROUNDWATER RECHARGE

1. For land application and groundwater recharge sites, attach a topographic map (USGS 7.5 minute) showing the following information:
 - a. Surface water drainage systems with ¼ mile of the site
 - b. All wells within 1 mile of the site
 - c. Any discharge points
 - d. Land uses and zoning adjacent to the site
 - e. Groundwater gradient Map attached

2. Describe soils at this site using information from local soil survey reports. Additional information attached.

3. Describe local geology and hydrogeology within one mile of this site. Additional information attached.

D-VII. GROUNDWATER INFORMATION

If groundwater monitoring is required or available, provide measurements from monitoring wells or supply wells in the area of the groundwater recharge or irrigation. Provide the location of each well on a map. Attach well logs and well I.D. # when available. Copy this page for each well.

Well ID Number: _____ New Reclaimed Water Site – Background Existing Site

Parameter	Concentration			# of Analyses	Analytical Method	Detection Limit
	Minimum	Maximum	Average			
BOD (5 day)						
COD						
Total Organic Carbon						
Total Suspended Solids						
Total Dissolved Solids						
Conductivity						
pH						
Ammonia-N						
Total Kjeldahl N						
Nitrate + Nitrite-N						
Total Nitrogen-N						
Ortho-phosphate- P						
Total-phosphate-P						
Total Residual Chlorine						
Free Residual Chlorine						
Total Coliform						
Dissolved Oxygen						
Total Oil and Grease						
Calcium						
Chloride						
Fluoride						
Magnesium						
Potassium						
Sodium						
Sulfate						
Barium (total)						
Cadmium (total)						
Copper (total)						
Iron (total)						
Lead (total)						
Manganese (total)						
Mercury						
Selenium						
Silver (total)						
Zinc (total)						
Water Level						

D-VIII. RECLAIMED WATER USE CAPACITY ALLOCATION

Using available flow records and other available information, allocate the average flows among the various use categories. For each type of reclaimed water use, enter the permitted capacity, average flows and acreage.

Use Category	Sub-Category	Capacity (MGD)	Average Flow (MGD)	Area (acres)
Water Production	Treatment Plant Uses			
Industrial Use	Process & Product Production			
	Cooling Use			
	Other			
Commercial Use	Toilet flushing			
	Fire protection			
	Other			
Public Access Land Application (irrigation)	Golf Course			
	Residential			
	Parks & Playgrounds			
	Schools			
	Cemeteries			
Agricultural Land Application (irrigation)	Food Crops			
	Grass, Pasture			
	Other			
Groundwater Recharge	Surface Percolation			
	Direct Injection			
Wetlands	Constructed Treatment (aesthetic/polishing)			
	Beneficial Use (created)			
	Natural (restore)			
Surface Water	Augmentation			
Municipal Uses	Sewer Cleaning			
	Street Cleaning			
	Construction Compaction			
	Other			
Other (specify)				
TOTAL				

**STATE OF WASHINGTON DEPARTMENTS OF ECOLOGY AND HEALTH
 PERMIT APPLICATION for RECLAIMED WATER USE**

SECTION C. RECLAIMED WATER DISTRIBUTION

NOTE: Complete a separate form C for each reclaimed water distribution system under this permit.

C-I. DISTRIBUTOR INFORMATION:

Treatment Facility Providing Reclaimed Water : City of Snoqualmie Water Reclamation Facility	
Water Distributor: Snoqualmie Ridge Golf Club, LLC	Is the distributor also the owner of the treatment facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If no attach a copy of the agreement used to control the water distribution and use. <input type="checkbox"/> Agreement attached
Primary Contact Name: Rick Hathaway	
Title:	
Phone No: (425) 396-6000	
E-mail Address:	
Primary Mailing Address 36005 SE Ridge Street	
City Snoqualmie Zip + 4 98065	

C-II CLASS OF RECLAIMED WATER DISTRIBUTED: A B C D
 Other Process / Water Quality Limits (explain):

C-III. TOTAL WATER SUPPLY AVAILABLE FROM THIS DISTRIBUTION SYSTEM:

Source of Water	Average Daily Flow (MGD)
Reclaimed Water Produced	0.57
Other Water Distributed in this system: <input type="checkbox"/> Surface Water <input type="checkbox"/> Ground Water <input type="checkbox"/> Storm Water <input checked="" type="checkbox"/> Drinking Water <input type="checkbox"/> Other:	(enter total) 0.16
Reclaimed Water Recovered From Aquifer Storage	
TOTAL	0.73

**STATE OF WASHINGTON DEPARTMENTS OF ECOLOGY AND HEALTH
PERMIT APPLICATION for RECLAIMED WATER USE**

SECTION D. RECLAIMED WATER USE

NOTE: Complete a separate form D for each reclaimed water customer (water user) under this permit. For subdivisions with a number of residential users, a single form may be used.

D-I. GENERAL INFORMATION:

Name of Customer (Water User) Snoqualmie Ridge Golf Club, LLC	
Site Address: 36005 SE Ridge Street (If no address describe the location)	City Snoqualmie Zip + 4 98065
Provide a legal description with latitude and longitude if known. Unknown	
Primary Contact: Rick Hathaway	Title:
Phone No: (425) 396-6000	E-mail Address:
Mailing Address: Same as above	City Zip + 4
Name of Reclaimed Water Distributor (Purveyor): Snoqualmie Ridge Golf Club LLC	Is the customer (water user) the same as the: Treatment facility owner (Permittee) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Distributor (purveyor) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If no, attach a copy of the agreements used to control the use. <input type="checkbox"/> Agreement attached
Name of Drinking Water System Purveyor: City of Snoqualmie	Name of Cross Connection Control Program Administrator: City of Snoqualmie

D-II. DESCRIPTION OF USE OF RECLAIMED WATER:

- The volume of reclaimed water use at this site is Estimated Metered
- Describe the uses of reclaimed water at this site. Using available flow records and other available information, allocate the average flows among the various use categories. For each type of reclaimed water use at this site, enter the permitted capacity, average flows and acreage.
 Same as Section C - IV of this application Additional information is attached.
- Describe any plans to modify the use of reclaimed water at this site.
 No modifications Description attached.

D-III. SITE ACCESS AND NOTIFICATION OF USE

In the table below, indicate (✓) which methods are used at this area to notify the public of reclaimed water use.

<input checked="" type="checkbox"/>	Check which of the following are provided:
<input checked="" type="checkbox"/>	Advisory signs posted at location
<input type="checkbox"/>	Advisory signs posted on tank trucks
<input type="checkbox"/>	Advisory signs posted in storage areas
<input type="checkbox"/>	Written notices. Check who receives notification: <input type="checkbox"/> General Public <input type="checkbox"/> Employees <input type="checkbox"/> Residents <input type="checkbox"/> Customers
<input checked="" type="checkbox"/>	Golf course score cards
<input type="checkbox"/>	Identification of areas not designated for reclaimed water use. Check which apply: <input type="checkbox"/> Buildings <input type="checkbox"/> Drinking fountains <input type="checkbox"/> Eating areas <input type="checkbox"/> Passing vehicles <input type="checkbox"/> Other (Specify): _____
<input checked="" type="checkbox"/>	Purple color coding: Check which apply: <input checked="" type="checkbox"/> Pipes <input checked="" type="checkbox"/> Valves <input checked="" type="checkbox"/> Outlets
<input type="checkbox"/>	Training programs: <input type="checkbox"/> Employees <input type="checkbox"/> Residents <input type="checkbox"/> Customers <input type="checkbox"/> Truck use <input type="checkbox"/> Other (Specify): _____

D-IV. CROSS CONNECTION CONTROL

Check which of the following apply:
<input type="checkbox"/> Reclaimed water use area is serviced only with reclaimed water
<input checked="" type="checkbox"/> Reclaimed water use area is serviced with both reclaimed and potable water
Answer all questions below where dual potable and reclaimed water systems exist.
1. All public water systems servicing this area are actively implementing and enforcing cross-connection control plans. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2. All cross-connection control programs have been accepted by the Department of Health. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3. How many illegal cross-connections were identified during the last reporting period (permit)? 0
a. How many of these were eliminated?
b. Attach description of any cross-connections found and efforts to eliminate. <input type="checkbox"/> Attached

D-V. BEST MANAGEMENT PRACTICES (FOR SITE USE OF RECLAIMED WATER)

- All reclaimed water is used at this site is consumed on site. Site has no discharges.
- Site has the following discharges of reclaimed water to waters of the state.
 - Aquifer recharge by: Surface percolation Direct injection
 Note: If not owned by the Permittee, a separate permit application may be required for this discharge.
 - Discharges to surface waters or to wetlands discharging to surface waters. NPDES PERMIT REQUIRED
 Enter existing permit number (if any) _____.
 - This site uses reclaimed water for industrial process wastewater which is then discharged to a publicly owned treatment works. STATE PRETREATMENT PERMIT REQUIRED. ECY 040-177.
 - Discharges to wetlands that discharge to ground water. STATE WASTE DISCHARGE PERMIT REQUIRED. ECY 040-179.

In the table below, indicate (✓) which methods are used at this area to regulate reclaimed water use.

Category	✓	Option
General Site Management	Check which of the following are provided:	
	<input checked="" type="checkbox"/>	Other water used at this reclaimed water use site. Check all that apply: <input checked="" type="checkbox"/> Public potable water system <input type="checkbox"/> Private well <input type="checkbox"/> Surface water
	<input checked="" type="checkbox"/>	Site access is <input checked="" type="checkbox"/> unrestricted <input type="checkbox"/> restricted to public <input type="checkbox"/> restricted to most employees
	<input checked="" type="checkbox"/>	Rules prohibit the spraying with reclaimed water.
	<input checked="" type="checkbox"/>	Reclaimed water is confined to use areas. Set back distance: 10'
	<input checked="" type="checkbox"/>	Rules prohibit hose bibs on reclaimed water lines.
	<input type="checkbox"/>	Use of reclaimed water is secured (authorized personnel only).
	<input checked="" type="checkbox"/>	Rules prohibit ponding of reclaimed water.
	<input type="checkbox"/>	Other restrictions (specify): <input type="checkbox"/> Additional information is attached.
Impoundments & Storage Ponds	<input type="checkbox"/>	Site has lined impoundments (ponds) with reclaimed water.
	<input type="checkbox"/>	Site has unlined impoundments (ponds) with reclaimed water. Describe method of seepage control. <input type="checkbox"/> attached
	<input type="checkbox"/>	Describe method to prevent breeding of vectors (for health protection). <input type="checkbox"/> attached
	<input type="checkbox"/>	Describe method to prevent odor, slime, poor aesthetics. <input type="checkbox"/> attached
	<input type="checkbox"/>	Describe ground water monitoring (if any): <input type="checkbox"/> attached
	<input type="checkbox"/>	Other (Specify): <input type="checkbox"/> Additional information is attached.

Irrigation Uses	<input checked="" type="checkbox"/>	Site has irrigation uses. <input checked="" type="checkbox"/> Seasonal use <input type="checkbox"/> Year round use <input type="checkbox"/> Landscape <input type="checkbox"/> Agriculture
	<input type="checkbox"/>	Type of irrigation <input type="checkbox"/> Spray irrigation <input type="checkbox"/> Flood irrigation <input type="checkbox"/> Surface drip system <input type="checkbox"/> Subsurface drip system <input type="checkbox"/> Other (specify): _____
	<input checked="" type="checkbox"/>	Hydraulic loading rates determined as follows: Check method boxes below: <input checked="" type="checkbox"/> By water balance <input type="checkbox"/> By other method Describe: _____ <input type="checkbox"/> Calculations attached <input checked="" type="checkbox"/> Submitted previously <input type="checkbox"/> Approved
	<input type="checkbox"/>	Application is controlled. Check methods of control. <input type="checkbox"/> Irrigation schedule (if available) attached. <input type="checkbox"/> Apply only when crops are growing. <input type="checkbox"/> Apply at night or when public is not present. <input type="checkbox"/> High wind cutoff to irrigation controls at <input type="checkbox"/> 15 mph <input type="checkbox"/> 25 mph <input type="checkbox"/> No application when ground is frozen <input type="checkbox"/> Use temperature set point <input type="checkbox"/> No application when ground in saturated <input type="checkbox"/> Use moisture sensors <input type="checkbox"/> Other (specify): _____
	<input type="checkbox"/>	Describe ground water monitoring <div style="text-align: right;"><input type="checkbox"/> Additional information is attached</div>

D-VI. LAND APPLICATION AND GROUNDWATER RECHARGE

1. For land application and groundwater recharge sites, attach a topographic map (USGS 7.5 minute) showing the following information:
 - a. Surface water drainage systems with ¼ mile of the site
 - b. All wells within 1 mile of the site
 - c. Any discharge points
 - d. Land uses and zoning adjacent to the site
 - e. Groundwater gradient Map attached

2. Describe soils at this site using information from local soil survey reports. Additional information attached.

3. Describe local geology and hydrogeology within one mile of this site. Additional information attached.

D-VII. GROUNDWATER INFORMATION

If groundwater monitoring is required or available, provide measurements from monitoring wells or supply wells in the area of the groundwater recharge or irrigation. Provide the location of each well on a map. Attach well logs and well I.D. # when available. Copy this page for each well.

Well ID Number: _____ New Reclaimed Water Site – Background Existing Site

Parameter	Concentration			# of Analyses	Analytical Method	Detection Limit
	Minimum	Maximum	Average			
BOD (5 day)						
COD						
Total Organic Carbon						
Total Suspended Solids						
Total Dissolved Solids						
Conductivity						
pH						
Ammonia-N						
Total Kjeldahl N						
Nitrate + Nitrite-N						
Total Nitrogen-N						
Ortho-phosphate- P						
Total-phosphate-P						
Total Residual Chlorine						
Free Residual Chlorine						
Total Coliform						
Dissolved Oxygen						
Total Oil and Grease						
Calcium						
Chloride						
Fluoride						
Magnesium						
Potassium						
Sodium						
Sulfate						
Barium (total)						
Cadmium (total)						
Copper (total)						
Iron (total)						
Lead (total)						
Manganese (total)						
Mercury						
Selenium						
Silver (total)						
Zinc (total)						
Water Level						

D-VIII. RECLAIMED WATER USE CAPACITY ALLOCATION

Using available flow records and other available information, allocate the average flows among the various use categories. For each type of reclaimed water use, enter the permitted capacity, average flows and acreage.

Use Category	Sub-Category	Capacity (MGD)	Average Flow (MGD)	Area (acres)
Water Production	Treatment Plant Uses			
Industrial Use	Process & Product Production			
	Cooling Use			
	Other			
Commercial Use	Toilet flushing			
	Fire protection			
	Other			
Public Access Land Application (irrigation)	Golf Course		0.73	180
	Residential			
	Parks & Playgrounds			
	Schools			
	Cemeteries			
	Other			
Agricultural Land Application (irrigation)	Food Crops			
	Grass, Pasture			
	Other			
Groundwater Recharge	Surface Percolation			
	Direct Injection			
Wetlands	Constructed Treatment (aesthetic/polishing)			
	Beneficial Use (created)			
	Natural (restore)			
Surface Water	Augmentation			
Municipal Uses	Sewer Cleaning			
	Street Cleaning			
	Construction Compaction			
	Other			
Other (specify)				
TOTAL				

**STATE OF WASHINGTON DEPARTMENTS OF ECOLOGY AND HEALTH
PERMIT APPLICATION for RECLAIMED WATER USE**

SECTION D. RECLAIMED WATER USE

NOTE: Complete a separate form D for each reclaimed water customer (water user) under this permit. For subdivisions with a number of residential users, a single form may be used.

D-I. GENERAL INFORMATION:

Name of Customer (Water User) Snoqualmie Business Park	
Site Address: Snoqualmie Business Park (If no address describe the location)	City Snoqualmie Zip + 4 98065
Provide a legal description with latitude and longitude if known. Unknown	
Primary Contact: GVA Kidder Matthews Utility BPCC- Owners Association Irrigation	Title:
Phone No: (206) 248-7353	E-mail Address:
Mailing Address: PO Box 681931	City Charlotte, NC Zip + 4 28216
Name of Reclaimed Water Distributor (Purveyor): City of Snoqualmie	Is the customer (water user) the same as the: Treatment facility owner (Permittee) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Distributor (purveyor) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If no, attach a copy of the agreements used to control the use. <input type="checkbox"/> Agreement attached
Name of Drinking Water System Purveyor: City of Snoqualmie	Name of Cross Connection Control Program Administrator: City of Snoqualmie

D-II. DESCRIPTION OF USE OF RECLAIMED WATER:

1. The volume of reclaimed water use at this site is Estimated Metered

2. Describe the uses of reclaimed water at this site. Using available flow records and other available information, allocate the average flows among the various use categories. For each type of reclaimed water use at this site, enter the permitted capacity, average flows and acreage.
 Same as Section C - IV of this application Additional information is attached.

3. Describe any plans to modify the use of reclaimed water at this site.
 No modifications Description attached.

D-III. SITE ACCESS AND NOTIFICATION OF USE

In the table below, indicate (✓) which methods are used at this area to notify the public of reclaimed water use.

<input checked="" type="checkbox"/>	Check which of the following are provided:
<input checked="" type="checkbox"/>	Advisory signs posted at location
<input type="checkbox"/>	Advisory signs posted on tank trucks
<input type="checkbox"/>	Advisory signs posted in storage areas
<input type="checkbox"/>	Written notices. Check who receives notification: <input type="checkbox"/> General Public <input type="checkbox"/> Employees <input type="checkbox"/> Residents <input type="checkbox"/> Customers
<input type="checkbox"/>	Golf course score cards
<input type="checkbox"/>	Identification of areas not designated for reclaimed water use. Check which apply: <input type="checkbox"/> Buildings <input type="checkbox"/> Drinking fountains <input type="checkbox"/> Eating areas <input type="checkbox"/> Passing vehicles <input type="checkbox"/> Other (Specify): _____
<input checked="" type="checkbox"/>	Purple color coding: Check which apply: <input checked="" type="checkbox"/> Pipes <input checked="" type="checkbox"/> Valves <input checked="" type="checkbox"/> Outlets
<input type="checkbox"/>	Training programs: <input type="checkbox"/> Employees <input type="checkbox"/> Residents <input type="checkbox"/> Customers <input type="checkbox"/> Truck use <input type="checkbox"/> Other (Specify): _____

D-IV. CROSS CONNECTION CONTROL

Check which of the following apply: <input type="checkbox"/> Reclaimed water use area is serviced only with reclaimed water <input checked="" type="checkbox"/> Reclaimed water use area is serviced with both reclaimed and potable water
Answer all questions below where dual potable and reclaimed water systems exist.
1. All public water systems servicing this area are actively implementing and enforcing cross-connection control plans. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2. All cross-connection control programs have been accepted by the Department of Health. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3. How many illegal cross-connections were identified during the last reporting period (permit)? 0 a. How many of these were eliminated? b. Attach description of any cross-connections found and efforts to eliminate. <input type="checkbox"/> Attached

D-V. BEST MANAGEMENT PRACTICES (FOR SITE USE OF RECLAIMED WATER)

- All reclaimed water is used at this site is consumed on site. Site has no discharges.
- Site has the following discharges of reclaimed water to waters of the state.
 - Aquifer recharge by: Surface percolation Direct injection
 Note: If not owned by the Permittee, a separate permit application may be required for this discharge.
 - Discharges to surface waters or to wetlands discharging to surface waters. NPDES PERMIT REQUIRED
 Enter existing permit number (if any) _____.
 - This site uses reclaimed water for industrial process wastewater which is then discharged to a publicly owned treatment works. STATE PRETREATMENT PERMIT REQUIRED. ECY 040-177.
 - Discharges to wetlands that discharge to ground water. STATE WASTE DISCHARGE PERMIT REQUIRED. ECY 040-179.

In the table below, indicate (✓) which methods are used at this area to regulate reclaimed water use.

Category	✓	Option
General Site Management	Check which of the following are provided:	
	<input checked="" type="checkbox"/>	Other water used at this reclaimed water use site. Check all that apply: <input checked="" type="checkbox"/> Public potable water system <input type="checkbox"/> Private well <input type="checkbox"/> Surface water
	<input checked="" type="checkbox"/>	Site access is <input checked="" type="checkbox"/> unrestricted <input type="checkbox"/> restricted to public <input type="checkbox"/> restricted to most employees
	<input checked="" type="checkbox"/>	Rules prohibit the spraying with reclaimed water.
	<input checked="" type="checkbox"/>	Reclaimed water is confined to use areas. Set back distance: 10'
	<input checked="" type="checkbox"/>	Rules prohibit hose bibs on reclaimed water lines.
	<input type="checkbox"/>	Use of reclaimed water is secured (authorized personnel only).
	<input checked="" type="checkbox"/>	Rules prohibit ponding of reclaimed water.
	<input type="checkbox"/>	Other restrictions (specify): <input type="checkbox"/> Additional information is attached.
Impoundments & Storage Ponds	<input type="checkbox"/>	Site has lined impoundments (ponds) with reclaimed water.
	<input type="checkbox"/>	Site has unlined impoundments (ponds) with reclaimed water. Describe method of seepage control. <input type="checkbox"/> attached
	<input type="checkbox"/>	Describe method to prevent breeding of vectors (for health protection). <input type="checkbox"/> attached
	<input type="checkbox"/>	Describe method to prevent odor, slime, poor aesthetics. <input type="checkbox"/> attached
	<input type="checkbox"/>	Describe ground water monitoring (if any): <input type="checkbox"/> attached
	<input type="checkbox"/>	Other (Specify): <input type="checkbox"/> Additional information is attached.

Irrigation Uses	<input checked="" type="checkbox"/>	Site has irrigation uses. <input checked="" type="checkbox"/> Seasonal use <input type="checkbox"/> Year round use <input type="checkbox"/> Landscape <input type="checkbox"/> Agriculture
	<input type="checkbox"/>	Type of irrigation <input type="checkbox"/> Spray irrigation <input type="checkbox"/> Flood irrigation <input type="checkbox"/> Surface drip system <input type="checkbox"/> Subsurface drip system <input type="checkbox"/> Other (specify): _____
	<input checked="" type="checkbox"/>	Hydraulic loading rates determined as follows: Check method boxes below: <input checked="" type="checkbox"/> By water balance <input type="checkbox"/> By other method Describe: _____ <input type="checkbox"/> Calculations attached <input checked="" type="checkbox"/> Submitted previously <input type="checkbox"/> Approved
	<input type="checkbox"/>	Application is controlled. Check methods of control. <input type="checkbox"/> Irrigation schedule (if available) attached. <input type="checkbox"/> Apply only when crops are growing. <input type="checkbox"/> Apply at night or when public is not present. <input type="checkbox"/> High wind cutoff to irrigation controls at <input type="checkbox"/> 15 mph <input type="checkbox"/> 25 mph <input type="checkbox"/> No application when ground is frozen <input type="checkbox"/> Use temperature set point <input type="checkbox"/> No application when ground in saturated <input type="checkbox"/> Use moisture sensors <input type="checkbox"/> Other (specify): _____
	<input type="checkbox"/>	Describe ground water monitoring <div style="text-align: right;"><input type="checkbox"/> Additional information is attached</div>

D-VI. LAND APPLICATION AND GROUNDWATER RECHARGE

1. For land application and groundwater recharge sites, attach a topographic map (USGS 7.5 minute) showing the following information:
 - a. Surface water drainage systems with ¼ mile of the site
 - b. All wells within 1 mile of the site
 - c. Any discharge points
 - d. Land uses and zoning adjacent to the site
 - e. Groundwater gradient Map attached

2. Describe soils at this site using information from local soil survey reports. Additional information attached.

3. Describe local geology and hydrogeology within one mile of this site. Additional information attached.

D-VII. GROUNDWATER INFORMATION

If groundwater monitoring is required or available, provide measurements from monitoring wells or supply wells in the area of the groundwater recharge or irrigation. Provide the location of each well on a map. Attach well logs and well I.D. # when available. Copy this page for each well.

Well ID Number: _____ New Reclaimed Water Site – Background Existing Site

Parameter	Concentration			# of Analyses	Analytical Method	Detection Limit
	Minimum	Maximum	Average			
BOD (5 day)						
COD						
Total Organic Carbon						
Total Suspended Solids						
Total Dissolved Solids						
Conductivity						
pH						
Ammonia-N						
Total Kjeldahl N						
Nitrate + Nitrite-N						
Total Nitrogen-N						
Ortho-phosphate- P						
Total-phosphate-P						
Total Residual Chlorine						
Free Residual Chlorine						
Total Coliform						
Dissolved Oxygen						
Total Oil and Grease						
Calcium						
Chloride						
Fluoride						
Magnesium						
Potassium						
Sodium						
Sulfate						
Barium (total)						
Cadmium (total)						
Copper (total)						
Iron (total)						
Lead (total)						
Manganese (total)						
Mercury						
Selenium						
Silver (total)						
Zinc (total)						
Water Level						

D-VIII. RECLAIMED WATER USE CAPACITY ALLOCATION

Using available flow records and other available information, allocate the average flows among the various use categories. For each type of reclaimed water use, enter the permitted capacity, average flows and acreage.

Use Category	Sub-Category	Capacity (MGD)	Average Flow (MGD)	Area (acres)
Water Production	Treatment Plant Uses			
Industrial Use	Process & Product Production			
	Cooling Use			
	Other			
Commercial Use	Toilet flushing			
	Fire protection			
	Other			
Public Access Land Application (irrigation)	Golf Course			
	Residential			
	Parks & Playgrounds			
	Schools			
	Other		0.57	84.6
Agricultural Land Application (irrigation)	Food Crops			
	Grass, Pasture			
	Other			
Groundwater Recharge	Surface Percolation			
	Direct Injection			
Wetlands	Constructed Treatment (aesthetic/polishing)			
	Beneficial Use (created)			
	Natural (restore)			
Surface Water	Augmentation			
Municipal Uses	Sewer Cleaning			
	Street Cleaning			
	Construction Compaction			
	Other			
Other (specify)				
TOTAL				

**STATE OF WASHINGTON DEPARTMENTS OF ECOLOGY AND HEALTH
PERMIT APPLICATION for RECLAIMED WATER USE**

SECTION D. RECLAIMED WATER USE

NOTE: Complete a separate form D for each reclaimed water customer (water user) under this permit. For subdivisions with a number of residential users, a single form may be used.

D-I. GENERAL INFORMATION:

Name of Customer (Water User) City of Snoqualmie Public Works Department	
Site Address: Snoqualmie Pkwy median and swales City Snoqualmie Zip + 4 98065 (If no address describe the location)	
Provide a legal description with latitude and longitude if known. Unknown	
Primary Contact: Kirk Holmes	Title:
Phone No: (425) 831-4919	E-mail Address:
Mailing Address: PO Box 987	City Snoqualmie Zip + 4 98065
Name of Reclaimed Water Distributor (Purveyor): City of Snoqualmie	Is the customer (water user) the same as the: Treatment facility owner (Permittee) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Distributor (purveyor) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If no, attach a copy of the agreements used to control the use. <input type="checkbox"/> Agreement attached
Name of Drinking Water System Purveyor: City of Snoqualmie	Name of Cross Connection Control Program Administrator: City of Snoqualmie

D-II. DESCRIPTION OF USE OF RECLAIMED WATER:

- The volume of reclaimed water use at this site is Estimated Metered
- Describe the uses of reclaimed water at this site. Using available flow records and other available information, allocate the average flows among the various use categories. For each type of reclaimed water use at this site, enter the permitted capacity, average flows and acreage.
 Same as Section C - IV of this application Additional information is attached.
- Describe any plans to modify the use of reclaimed water at this site.
 No modifications Description attached.

D-III. SITE ACCESS AND NOTIFICATION OF USE

In the table below, indicate (✓) which methods are used at this area to notify the public of reclaimed water use.

<input checked="" type="checkbox"/>	Check which of the following are provided:
<input checked="" type="checkbox"/>	Advisory signs posted at location
<input type="checkbox"/>	Advisory signs posted on tank trucks
<input type="checkbox"/>	Advisory signs posted in storage areas
<input type="checkbox"/>	Written notices. Check who receives notification: <input type="checkbox"/> General Public <input type="checkbox"/> Employees <input type="checkbox"/> Residents <input type="checkbox"/> Customers
<input type="checkbox"/>	Golf course score cards
<input type="checkbox"/>	Identification of areas not designated for reclaimed water use. Check which apply: <input type="checkbox"/> Buildings <input type="checkbox"/> Drinking fountains <input type="checkbox"/> Eating areas <input type="checkbox"/> Passing vehicles <input type="checkbox"/> Other (Specify): _____
<input checked="" type="checkbox"/>	Purple color coding: Check which apply: <input checked="" type="checkbox"/> Pipes <input checked="" type="checkbox"/> Valves <input checked="" type="checkbox"/> Outlets
<input type="checkbox"/>	Training programs: <input type="checkbox"/> Employees <input type="checkbox"/> Residents <input type="checkbox"/> Customers <input type="checkbox"/> Truck use <input type="checkbox"/> Other (Specify): _____

D-IV. CROSS CONNECTION CONTROL

Check which of the following apply: <input type="checkbox"/> Reclaimed water use area is serviced only with reclaimed water <input checked="" type="checkbox"/> Reclaimed water use area is serviced with both reclaimed and potable water
Answer all questions below where dual potable and reclaimed water systems exist.
1. All public water systems servicing this area are actively implementing and enforcing cross-connection control plans. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2. All cross-connection control programs have been accepted by the Department of Health. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3. How many illegal cross-connections were identified during the last reporting period (permit)? 0 a. How many of these were eliminated? b. Attach description of any cross-connections found and efforts to eliminate. <input type="checkbox"/> Attached

D-V. BEST MANAGEMENT PRACTICES (FOR SITE USE OF RECLAIMED WATER)

- All reclaimed water is used at this site is consumed on site. Site has no discharges.
- Site has the following discharges of reclaimed water to waters of the state.
 - Aquifer recharge by: Surface percolation Direct injection
 Note: If not owned by the Permittee, a separate permit application may be required for this discharge.
 - Discharges to surface waters or to wetlands discharging to surface waters. NPDES PERMIT REQUIRED
 Enter existing permit number (if any) _____.
 - This site uses reclaimed water for industrial process wastewater which is then discharged to a publicly owned treatment works. STATE PRETREATMENT PERMIT REQUIRED. ECY 040-177.
 - Discharges to wetlands that discharge to ground water. STATE WASTE DISCHARGE PERMIT REQUIRED. ECY 040-179.

In the table below, indicate (✓) which methods are used at this area to regulate reclaimed water use.

Category	✓	Option
General Site Management	Check which of the following are provided:	
	<input checked="" type="checkbox"/>	Other water used at this reclaimed water use site. Check all that apply: <input checked="" type="checkbox"/> Public potable water system <input type="checkbox"/> Private well <input type="checkbox"/> Surface water
	<input checked="" type="checkbox"/>	Site access is <input checked="" type="checkbox"/> unrestricted <input type="checkbox"/> restricted to public <input type="checkbox"/> restricted to most employees
	<input checked="" type="checkbox"/>	Rules prohibit the spraying with reclaimed water.
	<input checked="" type="checkbox"/>	Reclaimed water is confined to use areas. Set back distance: 10'
	<input checked="" type="checkbox"/>	Rules prohibit hose bibs on reclaimed water lines.
	<input type="checkbox"/>	Use of reclaimed water is secured (authorized personnel only).
	<input checked="" type="checkbox"/>	Rules prohibit ponding of reclaimed water.
	<input type="checkbox"/>	Other restrictions (specify): <input type="checkbox"/> Additional information is attached.
Impoundments & Storage Ponds	<input type="checkbox"/>	Site has lined impoundments (ponds) with reclaimed water.
	<input type="checkbox"/>	Site has unlined impoundments (ponds) with reclaimed water. Describe method of seepage control. <input type="checkbox"/> attached
	<input type="checkbox"/>	Describe method to prevent breeding of vectors (for health protection). <input type="checkbox"/> attached
	<input type="checkbox"/>	Describe method to prevent odor, slime, poor aesthetics. <input type="checkbox"/> attached
	<input type="checkbox"/>	Describe ground water monitoring (if any): <input type="checkbox"/> attached
	<input type="checkbox"/>	Other (Specify): <input type="checkbox"/> Additional information is attached.

Irrigation Uses	<input checked="" type="checkbox"/>	Site has irrigation uses. <input checked="" type="checkbox"/> Seasonal use <input type="checkbox"/> Year round use <input type="checkbox"/> Landscape <input type="checkbox"/> Agriculture
	<input type="checkbox"/>	Type of irrigation <input type="checkbox"/> Spray irrigation <input type="checkbox"/> Flood irrigation <input type="checkbox"/> Surface drip system <input type="checkbox"/> Subsurface drip system <input type="checkbox"/> Other (specify): _____
	<input checked="" type="checkbox"/>	Hydraulic loading rates determined as follows: Check method boxes below: <input checked="" type="checkbox"/> By water balance <input type="checkbox"/> By other method Describe: _____ <input type="checkbox"/> Calculations attached <input checked="" type="checkbox"/> Submitted previously <input type="checkbox"/> Approved
	<input type="checkbox"/>	Application is controlled. Check methods of control. <input type="checkbox"/> Irrigation schedule (if available) attached. <input type="checkbox"/> Apply only when crops are growing. <input type="checkbox"/> Apply at night or when public is not present. <input type="checkbox"/> High wind cutoff to irrigation controls at <input type="checkbox"/> 15 mph <input type="checkbox"/> 25 mph <input type="checkbox"/> No application when ground is frozen <input type="checkbox"/> Use temperature set point <input type="checkbox"/> No application when ground in saturated <input type="checkbox"/> Use moisture sensors <input type="checkbox"/> Other (specify): _____
	<input type="checkbox"/>	Describe ground water monitoring <div style="text-align: right;"><input type="checkbox"/> Additional information is attached</div>

D-VI. LAND APPLICATION AND GROUNDWATER RECHARGE

1. For land application and groundwater recharge sites, attach a topographic map (USGS 7.5 minute) showing the following information:
 - a. Surface water drainage systems with ¼ mile of the site
 - b. All wells within 1 mile of the site
 - c. Any discharge points
 - d. Land uses and zoning adjacent to the site
 - e. Groundwater gradient Map attached

2. Describe soils at this site using information from local soil survey reports. Additional information attached.

3. Describe local geology and hydrogeology within one mile of this site. Additional information attached.

D-VII. GROUNDWATER INFORMATION

If groundwater monitoring is required or available, provide measurements from monitoring wells or supply wells in the area of the groundwater recharge or irrigation. Provide the location of each well on a map. Attach well logs and well I.D. # when available. Copy this page for each well.

Well ID Number: _____ New Reclaimed Water Site – Background Existing Site

Parameter	Concentration			# of Analyses	Analytical Method	Detection Limit
	Minimum	Maximum	Average			
BOD (5 day)						
COD						
Total Organic Carbon						
Total Suspended Solids						
Total Dissolved Solids						
Conductivity						
pH						
Ammonia-N						
Total Kjeldahl N						
Nitrate + Nitrite-N						
Total Nitrogen-N						
Ortho-phosphate- P						
Total-phosphate-P						
Total Residual Chlorine						
Free Residual Chlorine						
Total Coliform						
Dissolved Oxygen						
Total Oil and Grease						
Calcium						
Chloride						
Fluoride						
Magnesium						
Potassium						
Sodium						
Sulfate						
Barium (total)						
Cadmium (total)						
Copper (total)						
Iron (total)						
Lead (total)						
Manganese (total)						
Mercury						
Selenium						
Silver (total)						
Zinc (total)						
Water Level						

D-VIII. RECLAIMED WATER USE CAPACITY ALLOCATION

Using available flow records and other available information, allocate the average flows among the various use categories. For each type of reclaimed water use, enter the permitted capacity, average flows and acreage.

Use Category	Sub-Category	Capacity (MGD)	Average Flow (MGD)	Area (acres)
Water Production	Treatment Plant Uses			
Industrial Use	Process & Product Production			
	Cooling Use			
	Other			
Commercial Use	Toilet flushing			
	Fire protection			
	Other			
Public Access Land Application (irrigation)	Golf Course			
	Residential			
	Parks & Playgrounds			
	Schools			
	Other		0.57	84.6
Agricultural Land Application (irrigation)	Food Crops			
	Grass, Pasture			
	Other			
Groundwater Recharge	Surface Percolation			
	Direct Injection			
Wetlands	Constructed Treatment (aesthetic/polishing)			
	Beneficial Use (created)			
	Natural (restore)			
Surface Water	Augmentation			
Municipal Uses	Sewer Cleaning			
	Street Cleaning			
	Construction Compaction			
	Other			
Other (specify)				
TOTAL				

**STATE OF WASHINGTON DEPARTMENTS OF ECOLOGY AND HEALTH
PERMIT APPLICATION for RECLAIMED WATER USE**

SECTION D. RECLAIMED WATER USE

NOTE: Complete a separate form D for each reclaimed water customer (water user) under this permit. For subdivisions with a number of residential users, a single form may be used.

D-I. GENERAL INFORMATION:

Name of Customer (Water User) Snoqualmie Ridge ROA (and Joint Committee)	
Site Address: Unknown (If no address describe the location)	City Snoqualmie Zip + 4 98065
Provide a legal description with latitude and longitude if known. Unknown	
Primary Contact:	Title:
Phone No: (425) 396-5432	E-mail Address:
Mailing Address: 35131 SE Douglas Street, Suite #114	City Snoqualmie Zip + 4 98065
Name of Reclaimed Water Distributor (Purveyor): City of Snoqualmie	Is the customer (water user) the same as the: Treatment facility owner (Permittee) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Distributor (purveyor) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If no, attach a copy of the agreements used to control the use. <input type="checkbox"/> Agreement attached
Name of Drinking Water System Purveyor: City of Snoqualmie	Name of Cross Connection Control Program Administrator: City of Snoqualmie

D-II. DESCRIPTION OF USE OF RECLAIMED WATER:

- The volume of reclaimed water use at this site is Estimated Metered
- Describe the uses of reclaimed water at this site. Using available flow records and other available information, allocate the average flows among the various use categories. For each type of reclaimed water use at this site, enter the permitted capacity, average flows and acreage.
 Same as Section C - IV of this application Additional information is attached.
- Describe any plans to modify the use of reclaimed water at this site.
 No modifications Description attached.

D-III. SITE ACCESS AND NOTIFICATION OF USE

In the table below, indicate (✓) which methods are used at this area to notify the public of reclaimed water use.

<input checked="" type="checkbox"/>	Check which of the following are provided:
<input checked="" type="checkbox"/>	Advisory signs posted at location
<input type="checkbox"/>	Advisory signs posted on tank trucks
<input type="checkbox"/>	Advisory signs posted in storage areas
<input type="checkbox"/>	Written notices. Check who receives notification: <input type="checkbox"/> General Public <input type="checkbox"/> Employees <input type="checkbox"/> Residents <input type="checkbox"/> Customers
<input type="checkbox"/>	Golf course score cards
<input type="checkbox"/>	Identification of areas not designated for reclaimed water use. Check which apply: <input type="checkbox"/> Buildings <input type="checkbox"/> Drinking fountains <input type="checkbox"/> Eating areas <input type="checkbox"/> Passing vehicles <input type="checkbox"/> Other (Specify): _____
<input checked="" type="checkbox"/>	Purple color coding: Check which apply: <input checked="" type="checkbox"/> Pipes <input checked="" type="checkbox"/> Valves <input checked="" type="checkbox"/> Outlets
<input type="checkbox"/>	Training programs: <input type="checkbox"/> Employees <input type="checkbox"/> Residents <input type="checkbox"/> Customers <input type="checkbox"/> Truck use <input type="checkbox"/> Other (Specify): _____

D-IV. CROSS CONNECTION CONTROL

Check which of the following apply:
<input type="checkbox"/> Reclaimed water use area is serviced only with reclaimed water
<input checked="" type="checkbox"/> Reclaimed water use area is serviced with both reclaimed and potable water
Answer all questions below where dual potable and reclaimed water systems exist.
1. All public water systems servicing this area are actively implementing and enforcing cross-connection control plans. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2. All cross-connection control programs have been accepted by the Department of Health. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3. How many illegal cross-connections were identified during the last reporting period (permit)? 0
a. How many of these were eliminated?
b. Attach description of any cross-connections found and efforts to eliminate. <input type="checkbox"/> Attached

D-V. BEST MANAGEMENT PRACTICES (FOR SITE USE OF RECLAIMED WATER)

- All reclaimed water is used at this site is consumed on site. Site has no discharges.
- Site has the following discharges of reclaimed water to waters of the state.
 - Aquifer recharge by: Surface percolation Direct injection
 Note: If not owned by the Permittee, a separate permit application may be required for this discharge.
 - Discharges to surface waters or to wetlands discharging to surface waters. NPDES PERMIT REQUIRED
 Enter existing permit number (if any) _____.
 - This site uses reclaimed water for industrial process wastewater which is then discharged to a publicly owned treatment works. STATE PRETREATMENT PERMIT REQUIRED. ECY 040-177.
 - Discharges to wetlands that discharge to ground water. STATE WASTE DISCHARGE PERMIT REQUIRED. ECY 040-179.

In the table below, indicate (✓) which methods are used at this area to regulate reclaimed water use.

Category	✓	Option
General Site Management	Check which of the following are provided:	
	<input checked="" type="checkbox"/>	Other water used at this reclaimed water use site. Check all that apply: <input checked="" type="checkbox"/> Public potable water system <input type="checkbox"/> Private well <input type="checkbox"/> Surface water
	<input checked="" type="checkbox"/>	Site access is <input checked="" type="checkbox"/> unrestricted <input type="checkbox"/> restricted to public <input type="checkbox"/> restricted to most employees
	<input checked="" type="checkbox"/>	Rules prohibit the spraying with reclaimed water.
	<input checked="" type="checkbox"/>	Reclaimed water is confined to use areas. Set back distance: 10'
	<input checked="" type="checkbox"/>	Rules prohibit hose bibs on reclaimed water lines.
	<input type="checkbox"/>	Use of reclaimed water is secured (authorized personnel only).
	<input checked="" type="checkbox"/>	Rules prohibit ponding of reclaimed water.
	<input type="checkbox"/>	Other restrictions (specify): <input type="checkbox"/> Additional information is attached.
Impoundments & Storage Ponds	<input type="checkbox"/>	Site has lined impoundments (ponds) with reclaimed water.
	<input type="checkbox"/>	Site has unlined impoundments (ponds) with reclaimed water. Describe method of seepage control. <input type="checkbox"/> attached
	<input type="checkbox"/>	Describe method to prevent breeding of vectors (for health protection). <input type="checkbox"/> attached
	<input type="checkbox"/>	Describe method to prevent odor, slime, poor aesthetics. <input type="checkbox"/> attached
	<input type="checkbox"/>	Describe ground water monitoring (if any): <input type="checkbox"/> attached
	<input type="checkbox"/>	Other (Specify): <input type="checkbox"/> Additional information is attached.

Irrigation Uses	<input checked="" type="checkbox"/>	Site has irrigation uses. <input checked="" type="checkbox"/> Seasonal use <input type="checkbox"/> Year round use <input type="checkbox"/> Landscape <input type="checkbox"/> Agriculture
	<input type="checkbox"/>	Type of irrigation <input type="checkbox"/> Spray irrigation <input type="checkbox"/> Flood irrigation <input type="checkbox"/> Surface drip system <input type="checkbox"/> Subsurface drip system <input type="checkbox"/> Other (specify): _____
	<input checked="" type="checkbox"/>	Hydraulic loading rates determined as follows: Check method boxes below: <input checked="" type="checkbox"/> By water balance <input type="checkbox"/> By other method Describe: _____ <input type="checkbox"/> Calculations attached <input checked="" type="checkbox"/> Submitted previously <input type="checkbox"/> Approved
	<input type="checkbox"/>	Application is controlled. Check methods of control. <input type="checkbox"/> Irrigation schedule (if available) attached. <input type="checkbox"/> Apply only when crops are growing. <input type="checkbox"/> Apply at night or when public is not present. <input type="checkbox"/> High wind cutoff to irrigation controls at <input type="checkbox"/> 15 mph <input type="checkbox"/> 25 mph <input type="checkbox"/> No application when ground is frozen <input type="checkbox"/> Use temperature set point <input type="checkbox"/> No application when ground in saturated <input type="checkbox"/> Use moisture sensors <input type="checkbox"/> Other (specify): _____
	<input type="checkbox"/>	Describe ground water monitoring <div style="text-align: right;"><input type="checkbox"/> Additional information is attached</div>

D-VI. LAND APPLICATION AND GROUNDWATER RECHARGE

1. For land application and groundwater recharge sites, attach a topographic map (USGS 7.5 minute) showing the following information:
 - a. Surface water drainage systems with ¼ mile of the site
 - b. All wells within 1 mile of the site
 - c. Any discharge points
 - d. Land uses and zoning adjacent to the site
 - e. Groundwater gradient Map attached

2. Describe soils at this site using information from local soil survey reports. Additional information attached.

3. Describe local geology and hydrogeology within one mile of this site. Additional information attached.

D-VII. GROUNDWATER INFORMATION

If groundwater monitoring is required or available, provide measurements from monitoring wells or supply wells in the area of the groundwater recharge or irrigation. Provide the location of each well on a map. Attach well logs and well I.D. # when available. Copy this page for each well.

Well ID Number: _____ New Reclaimed Water Site – Background Existing Site

Parameter	Concentration			# of Analyses	Analytical Method	Detection Limit
	Minimum	Maximum	Average			
BOD (5 day)						
COD						
Total Organic Carbon						
Total Suspended Solids						
Total Dissolved Solids						
Conductivity						
pH						
Ammonia-N						
Total Kjeldahl N						
Nitrate + Nitrite-N						
Total Nitrogen-N						
Ortho-phosphate- P						
Total-phosphate-P						
Total Residual Chlorine						
Free Residual Chlorine						
Total Coliform						
Dissolved Oxygen						
Total Oil and Grease						
Calcium						
Chloride						
Fluoride						
Magnesium						
Potassium						
Sodium						
Sulfate						
Barium (total)						
Cadmium (total)						
Copper (total)						
Iron (total)						
Lead (total)						
Manganese (total)						
Mercury						
Selenium						
Silver (total)						
Zinc (total)						
Water Level						

D-VIII. RECLAIMED WATER USE CAPACITY ALLOCATION

Using available flow records and other available information, allocate the average flows among the various use categories. For each type of reclaimed water use, enter the permitted capacity, average flows and acreage.

Use Category	Sub-Category	Capacity (MGD)	Average Flow (MGD)	Area (acres)
Water Production	Treatment Plant Uses			
Industrial Use	Process & Product Production			
	Cooling Use			
	Other			
Commercial Use	Toilet flushing			
	Fire protection			
	Other			
Public Access Land Application (irrigation)	Golf Course			
	Residential			
	Parks & Playgrounds			
	Schools			
	Other		0.57	84.6
Agricultural Land Application (irrigation)	Food Crops			
	Grass, Pasture			
	Other			
Groundwater Recharge	Surface Percolation			
	Direct Injection			
Wetlands	Constructed Treatment (aesthetic/polishing)			
	Beneficial Use (created)			
	Natural (restore)			
Surface Water	Augmentation			
Municipal Uses	Sewer Cleaning			
	Street Cleaning			
	Construction Compaction			
	Other			
Other (specify)				
TOTAL				

**STATE OF WASHINGTON DEPARTMENTS OF ECOLOGY AND HEALTH
PERMIT APPLICATION for RECLAIMED WATER USE**

SECTION D. RECLAIMED WATER USE

NOTE: Complete a separate form D for each reclaimed water customer (water user) under this permit. For subdivisions with a number of residential users, a single form may be used.

D-I. GENERAL INFORMATION:

Name of Customer (Water User) Venture Corporation	
Site Address: Venture Commerce Center, SE Center City Snoqualmie Zip + 4 98065 (If no address describe the location) Street	
Provide a legal description with latitude and longitude if known. Unknown	
Primary Contact:	Title:
Phone No: (415) 464-2000	E-mail Address:
Mailing Address: 125 E Sire Francis Drake Blvd, 3rd Floor	City Larkspur, CA Zip + 4 94939
Name of Reclaimed Water Distributor (Purveyor): City of Snoqualmie	Is the customer (water user) the same as the: Treatment facility owner (Permittee) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Distributor (purveyor) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If no, attach a copy of the agreements used to control the use. <input type="checkbox"/> Agreement attached
Name of Drinking Water System Purveyor: City of Snoqualmie	Name of Cross Connection Control Program Administrator: City of Snoqualmie

D-II. DESCRIPTION OF USE OF RECLAIMED WATER:

1. The volume of reclaimed water use at this site is Estimated Metered

2. Describe the uses of reclaimed water at this site. Using available flow records and other available information, allocate the average flows among the various use categories. For each type of reclaimed water use at this site, enter the permitted capacity, average flows and acreage.
 Same as Section C - IV of this application Additional information is attached.

3. Describe any plans to modify the use of reclaimed water at this site.
 No modifications Description attached.

D-III. SITE ACCESS AND NOTIFICATION OF USE

In the table below, indicate (✓) which methods are used at this area to notify the public of reclaimed water use.

<input checked="" type="checkbox"/>	Check which of the following are provided:
<input checked="" type="checkbox"/>	Advisory signs posted at location
<input type="checkbox"/>	Advisory signs posted on tank trucks
<input type="checkbox"/>	Advisory signs posted in storage areas
<input type="checkbox"/>	Written notices. Check who receives notification: <input type="checkbox"/> General Public <input type="checkbox"/> Employees <input type="checkbox"/> Residents <input type="checkbox"/> Customers
<input type="checkbox"/>	Golf course score cards
<input type="checkbox"/>	Identification of areas not designated for reclaimed water use. Check which apply: <input type="checkbox"/> Buildings <input type="checkbox"/> Drinking fountains <input type="checkbox"/> Eating areas <input type="checkbox"/> Passing vehicles <input type="checkbox"/> Other (Specify): _____
<input checked="" type="checkbox"/>	Purple color coding: Check which apply: <input checked="" type="checkbox"/> Pipes <input checked="" type="checkbox"/> Valves <input checked="" type="checkbox"/> Outlets
<input type="checkbox"/>	Training programs: <input type="checkbox"/> Employees <input type="checkbox"/> Residents <input type="checkbox"/> Customers <input type="checkbox"/> Truck use <input type="checkbox"/> Other (Specify): _____

D-IV. CROSS CONNECTION CONTROL

Check which of the following apply:
<input type="checkbox"/> Reclaimed water use area is serviced only with reclaimed water
<input checked="" type="checkbox"/> Reclaimed water use area is serviced with both reclaimed and potable water
Answer all questions below where dual potable and reclaimed water systems exist.
1. All public water systems servicing this area are actively implementing and enforcing cross-connection control plans. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
2. All cross-connection control programs have been accepted by the Department of Health. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3. How many illegal cross-connections were identified during the last reporting period (permit)? 0
a. How many of these were eliminated?
b. Attach description of any cross-connections found and efforts to eliminate. <input type="checkbox"/> Attached

D-V. BEST MANAGEMENT PRACTICES (FOR SITE USE OF RECLAIMED WATER)

- All reclaimed water is used at this site is consumed on site. Site has no discharges.
- Site has the following discharges of reclaimed water to waters of the state.
 - Aquifer recharge by: Surface percolation Direct injection
 Note: If not owned by the Permittee, a separate permit application may be required for this discharge.
 - Discharges to surface waters or to wetlands discharging to surface waters. NPDES PERMIT REQUIRED
 Enter existing permit number (if any) _____.
 - This site uses reclaimed water for industrial process wastewater which is then discharged to a publicly owned treatment works. STATE PRETREATMENT PERMIT REQUIRED. ECY 040-177.
 - Discharges to wetlands that discharge to ground water. STATE WASTE DISCHARGE PERMIT REQUIRED. ECY 040-179.

In the table below, indicate (✓) which methods are used at this area to regulate reclaimed water use.

Category	✓	Option
General Site Management	Check which of the following are provided:	
	<input checked="" type="checkbox"/>	Other water used at this reclaimed water use site. Check all that apply: <input checked="" type="checkbox"/> Public potable water system <input type="checkbox"/> Private well <input type="checkbox"/> Surface water
	<input checked="" type="checkbox"/>	Site access is <input checked="" type="checkbox"/> unrestricted <input type="checkbox"/> restricted to public <input type="checkbox"/> restricted to most employees
	<input checked="" type="checkbox"/>	Rules prohibit the spraying with reclaimed water.
	<input checked="" type="checkbox"/>	Reclaimed water is confined to use areas. Set back distance: 10'
	<input checked="" type="checkbox"/>	Rules prohibit hose bibs on reclaimed water lines.
	<input type="checkbox"/>	Use of reclaimed water is secured (authorized personnel only).
	<input checked="" type="checkbox"/>	Rules prohibit ponding of reclaimed water.
	<input type="checkbox"/>	Other restrictions (specify): <input type="checkbox"/> Additional information is attached.
Impoundments & Storage Ponds	<input type="checkbox"/>	Site has lined impoundments (ponds) with reclaimed water.
	<input type="checkbox"/>	Site has unlined impoundments (ponds) with reclaimed water. Describe method of seepage control. <input type="checkbox"/> attached
	<input type="checkbox"/>	Describe method to prevent breeding of vectors (for health protection). <input type="checkbox"/> attached
	<input type="checkbox"/>	Describe method to prevent odor, slime, poor aesthetics. <input type="checkbox"/> attached
	<input type="checkbox"/>	Describe ground water monitoring (if any): <input type="checkbox"/> attached
	<input type="checkbox"/>	Other (Specify): <input type="checkbox"/> Additional information is attached.

Irrigation Uses	<input checked="" type="checkbox"/>	Site has irrigation uses. <input checked="" type="checkbox"/> Seasonal use <input type="checkbox"/> Year round use <input type="checkbox"/> Landscape <input type="checkbox"/> Agriculture
	<input type="checkbox"/>	Type of irrigation <input type="checkbox"/> Spray irrigation <input type="checkbox"/> Flood irrigation <input type="checkbox"/> Surface drip system <input type="checkbox"/> Subsurface drip system <input type="checkbox"/> Other (specify): _____
	<input checked="" type="checkbox"/>	Hydraulic loading rates determined as follows: Check method boxes below: <input checked="" type="checkbox"/> By water balance <input type="checkbox"/> By other method Describe: _____ <input type="checkbox"/> Calculations attached <input checked="" type="checkbox"/> Submitted previously <input type="checkbox"/> Approved
	<input type="checkbox"/>	Application is controlled. Check methods of control. <input type="checkbox"/> Irrigation schedule (if available) attached. <input type="checkbox"/> Apply only when crops are growing. <input type="checkbox"/> Apply at night or when public is not present. <input type="checkbox"/> High wind cutoff to irrigation controls at <input type="checkbox"/> 15 mph <input type="checkbox"/> 25 mph <input type="checkbox"/> No application when ground is frozen <input type="checkbox"/> Use temperature set point <input type="checkbox"/> No application when ground in saturated <input type="checkbox"/> Use moisture sensors <input type="checkbox"/> Other (specify): _____
	<input type="checkbox"/>	Describe ground water monitoring <div style="text-align: right;"><input type="checkbox"/> Additional information is attached</div>

D-VI. LAND APPLICATION AND GROUNDWATER RECHARGE

1. For land application and groundwater recharge sites, attach a topographic map (USGS 7.5 minute) showing the following information:
 - a. Surface water drainage systems with ¼ mile of the site
 - b. All wells within 1 mile of the site
 - c. Any discharge points
 - d. Land uses and zoning adjacent to the site
 - e. Groundwater gradient Map attached

2. Describe soils at this site using information from local soil survey reports. Additional information attached.

3. Describe local geology and hydrogeology within one mile of this site. Additional information attached.

D-VII. GROUNDWATER INFORMATION

If groundwater monitoring is required or available, provide measurements from monitoring wells or supply wells in the area of the groundwater recharge or irrigation. Provide the location of each well on a map. Attach well logs and well I.D. # when available. Copy this page for each well.

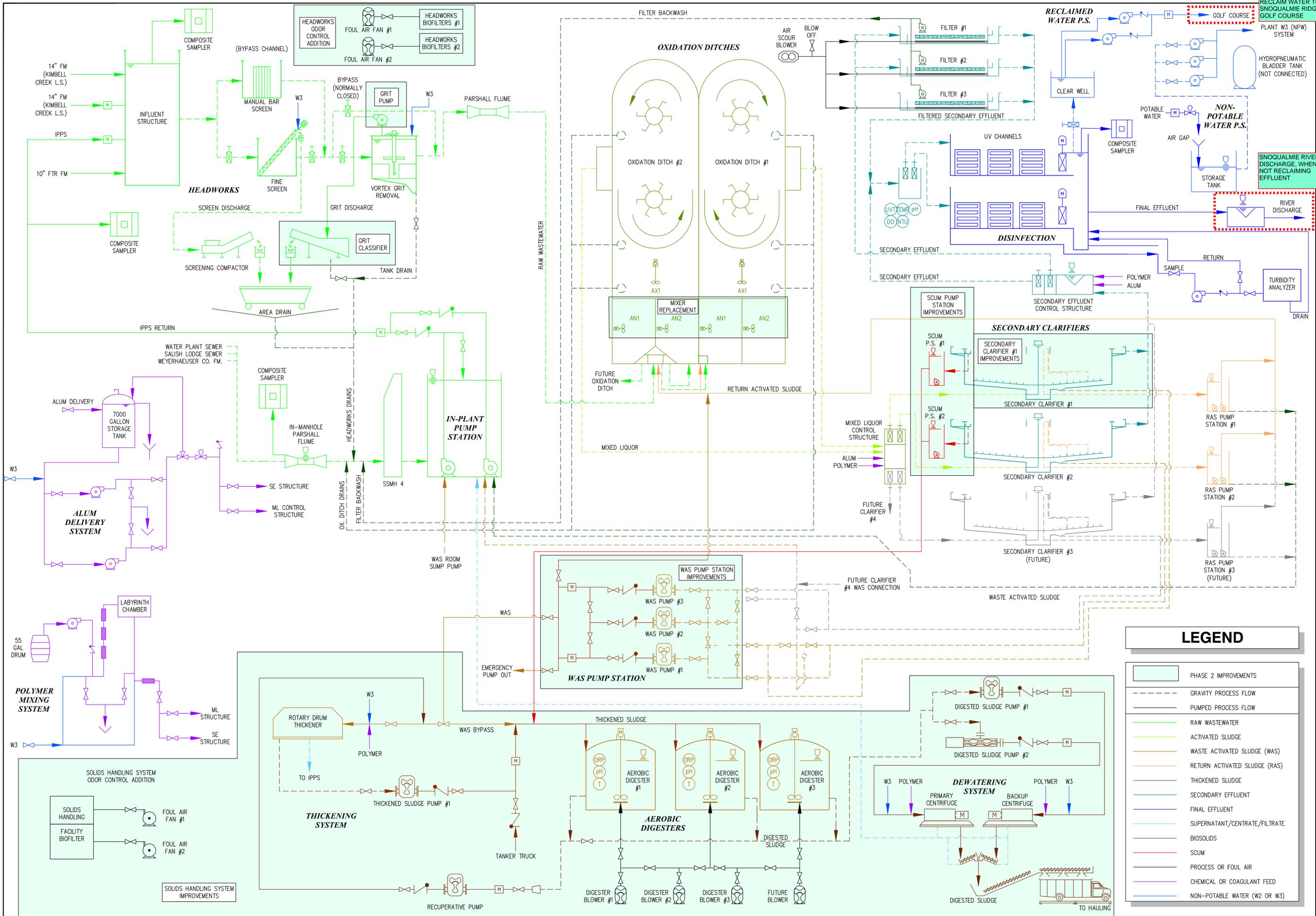
Well ID Number: _____ New Reclaimed Water Site – Background Existing Site

Parameter	Concentration			# of Analyses	Analytical Method	Detection Limit
	Minimum	Maximum	Average			
BOD (5 day)						
COD						
Total Organic Carbon						
Total Suspended Solids						
Total Dissolved Solids						
Conductivity						
pH						
Ammonia-N						
Total Kjeldahl N						
Nitrate + Nitrite-N						
Total Nitrogen-N						
Ortho-phosphate- P						
Total-phosphate-P						
Total Residual Chlorine						
Free Residual Chlorine						
Total Coliform						
Dissolved Oxygen						
Total Oil and Grease						
Calcium						
Chloride						
Fluoride						
Magnesium						
Potassium						
Sodium						
Sulfate						
Barium (total)						
Cadmium (total)						
Copper (total)						
Iron (total)						
Lead (total)						
Manganese (total)						
Mercury						
Selenium						
Silver (total)						
Zinc (total)						
Water Level						

D-VIII. RECLAIMED WATER USE CAPACITY ALLOCATION

Using available flow records and other available information, allocate the average flows among the various use categories. For each type of reclaimed water use, enter the permitted capacity, average flows and acreage.

Use Category	Sub-Category	Capacity (MGD)	Average Flow (MGD)	Area (acres)
Water Production	Treatment Plant Uses			
Industrial Use	Process & Product Production			
	Cooling Use			
	Other			
Commercial Use	Toilet flushing			
	Fire protection			
	Other			
Public Access Land Application (irrigation)	Golf Course			
	Residential			
	Parks & Playgrounds			
	Schools			
	Other		0.57	84.6
Agricultural Land Application (irrigation)	Food Crops			
	Grass, Pasture			
	Other			
Groundwater Recharge	Surface Percolation			
	Direct Injection			
Wetlands	Constructed Treatment (aesthetic/polishing)			
	Beneficial Use (created)			
	Natural (restore)			
Surface Water	Augmentation			
Municipal Uses	Sewer Cleaning			
	Street Cleaning			
	Construction Compaction			
	Other			
Other (specify)				
TOTAL				



REVISIONS

NO.	DATE	DESCRIPTION
1	11/16/17	CONFORMED FOR CONSTRUCTION

SCALE: SHOWN

DRAWING IS FULL SCALE WHEN BAR MEASURES 2"

DWG NO. **G004** SHEET NO. **5** OF **158**

CITY OF SNOQUALMIE
WRF PHASE 2 IMPROVEMENTS

WRF PROCESS SCHEMATIC

ENGINEER: MRJF
REVIEWER: ETS
DATE: 11/16/17
ACQ: [Signature]

CONFORMED FOR CONSTRUCTION

DATE: 11/16/17
ACQ: [Signature]

CONFORMED FOR CONSTRUCTION

DATE: 11/16/17
ACQ: [Signature]

LEGEND

- Phase 2 Improvements (Green outline)
- Gravity Process Flow (Dashed line)
- Pumped Process Flow (Solid line)
- Raw Wastewater (Green line)
- Activated Sludge (Yellow line)
- Waste Activated Sludge (WAS) (Orange line)
- Return Activated Sludge (RAS) (Red line)
- Thickened Sludge (Brown line)
- Secondary Effluent (Blue line)
- Final Effluent (Light Blue line)
- Supernatant/Centrifuge/Filtrate (Light Blue line)
- Biosolids (Light Blue line)
- SCUM (Red line)
- Process or Foul Air (Black line)
- Chemical or Coagulant Feed (Purple line)
- Non-Potable Water (W2 or W3) (Blue line)

ENGINEER: MRJF
REVIEWER: ETS
DATE: 11/16/17
ACQ: [Signature]

CONFORMED FOR CONSTRUCTION

DATE: 11/16/17
ACQ: [Signature]

CONFORMED FOR CONSTRUCTION

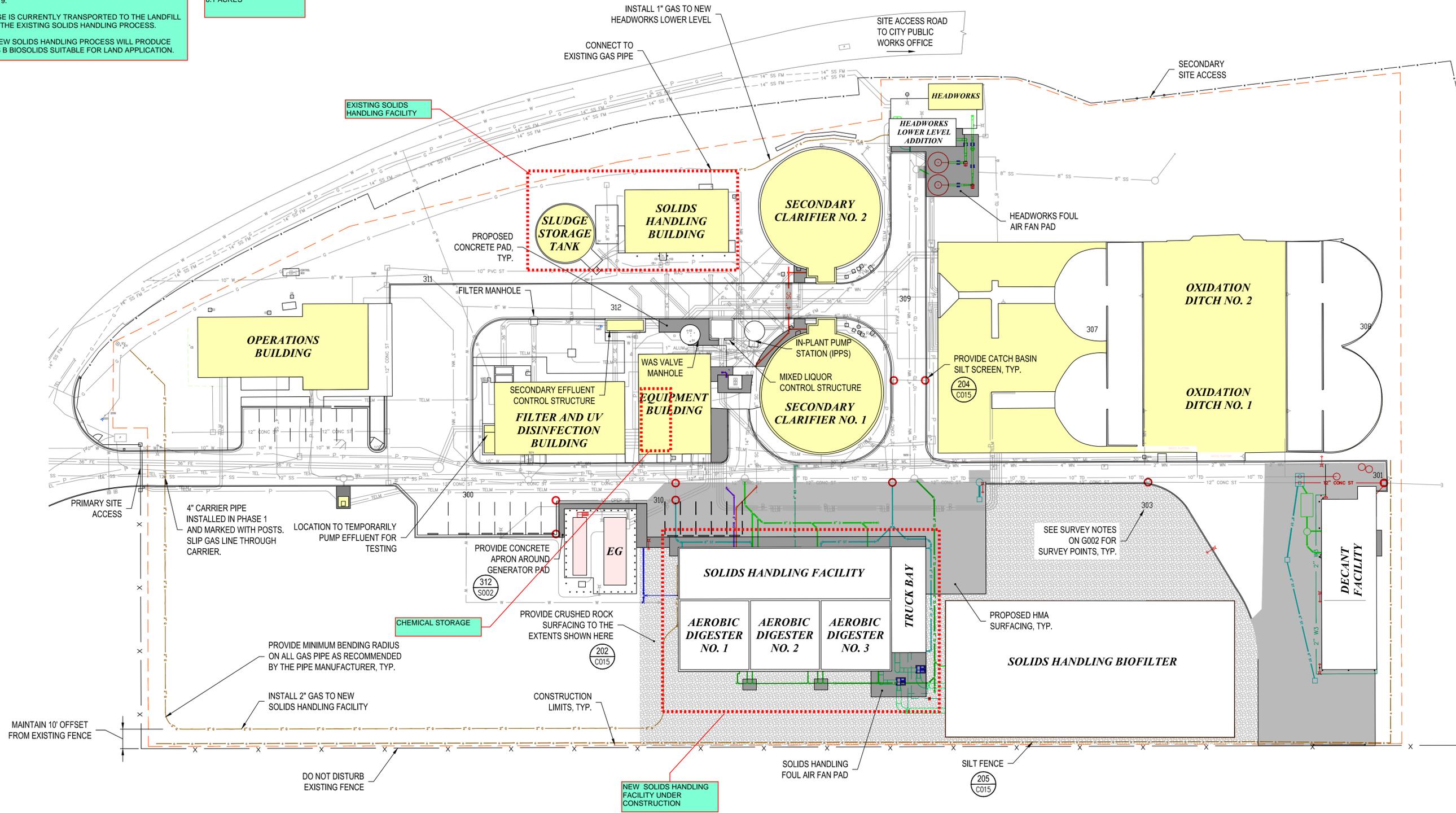
DATE: 11/16/17
ACQ: [Signature]

NEW SOLIDS HANDLING FACILITY CURRENTLY UNDER CONSTRUCTION WITH COMPLETION EXPECTED IN SPRING OF 2019.

SLUDGE IS CURRENTLY TRANSPORTED TO THE LANDFILL FROM THE EXISTING SOLIDS HANDLING PROCESS.

THE NEW SOLIDS HANDLING PROCESS WILL PRODUCE CLASS B BIOSOLIDS SUITABLE FOR LAND APPLICATION.

WATER RECLAMATION FACILITY FOOTPRINT: 6.1 ACRES



GENERAL NOTES

- CONSTRUCTION ACTIVITIES SHALL BE CONTAINED TO THE CONSTRUCTION LIMITS SHOWN ON THIS PLAN.
- THE CONTRACTOR WILL BE ALLOWED TO USE EITHER THE PRIMARY OR SECONDARY ACCESS LOCATIONS AT THE DISCRETION OF THE OWNER.
- THE CONTRACTOR SHALL MAINTAIN OWNER VEHICLE ACCESS FROM THE PRIMARY ENTRANCE TO THE HEADWORKS AREA AT ALL TIMES. IF ONE LEG OF THE INTERIOR LOOPED ACCESS ROAD IS CLOSED FOR CONSTRUCTION, THE OTHER LEG MUST REMAIN OPEN FOR OWNER VEHICLE ACCESS.
- THE CONTRACTOR SHALL KEEP THE INTERIOR WRF ACCESS ROADS CLEAN AND FREE OF DEBRIS AT ALL TIMES. THE CONTRACTOR SHALL BE PREPARED TO USE MECHANICAL SWEEPING MACHINES TO MAINTAIN THE ROAD CLEANLINESS.
- THE CONTRACTOR SHALL REPLACE ALL EXISTING GRAVEL SURFACING, HMA, CONCRETE CURB, GUTTER OR SIDEWALK THAT IS DISTURBED BY CONSTRUCTION ACTIVITIES.
- THE CONTRACTOR MAY STOCKPILE OR STORE MATERIALS AND EQUIPMENT NEAR THE PROPOSED SOLIDS HANDLING FACILITY AND BIOFILTER OR NORTH OF THE OXIDATION DITCHES.
- MAJOR TESC MEASURES ARE SHOWN HERE. CONTRACTOR IS RESPONSIBLE TO IMPLEMENT BMPS AS NECESSARY TO ENSURE STORMWATER AND SEDIMENT ARE NOT TRANSPORTED OFFSITE.
- THE CONTRACTOR SHALL COORDINATE GAS PIPE CONNECTION AS WELL AS SERVICE LINE AND METER INSTALLATION WITH PSE. THE CONTRACTOR IS RESPONSIBLE FOR MEETING THE REQUIREMENTS SET BY PSE FOR ALL GAS PIPE WORK.
- REPAIR GRASS DISTURBED BY GAS PIPE INSTALLATION WEST OF OPERATIONS BUILDING. PROVIDE TOP SOIL AND GRASS SEED TO REPAIR THIS AREA TO EXISTING OR BETTER CONDITION.

WRF PROPOSED SITE AND TESC PLAN

1" = 30'



EXISTING SURFACING OMITTED THIS SHEET FOR CLARITY.



CITY OF SNOQUALMIE
WRF PHASE 2 IMPROVEMENTS

WRF OVERALL PROPOSED SITE PLAN

ENGINEER	MRJF	DATE	DESCRIPTION
REVIEWED	ETS	11/16/17	CONFORMED FOR CONSTRUCTION
BY	MCB		
REVIEW	MRJF		

REVISIONS

SCALE: SHOWN

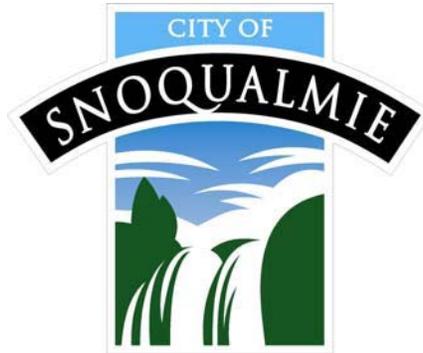
DRAWING IS FULL SCALE WHEN BAR MEASURES 2"

DWG NO. **C002** SHEET NO. **7** OF **158**

CITY OF SNOQUALMIE

KING COUNTY

WASHINGTON



RECLAIMED WATER REUSE PLAN

G&O #15468
MAY 2015



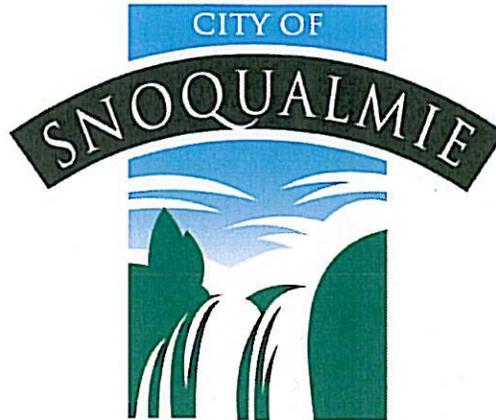
Gray & Osborne, Inc.

CONSULTING ENGINEERS

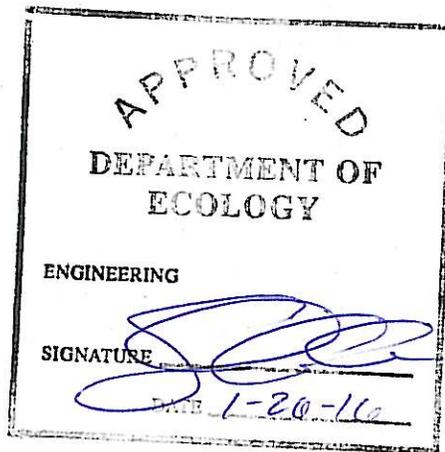
City of Snoqualmie Cross-Connection Control Program



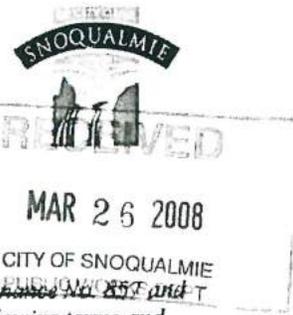
City of Snoqualmie Public Works
City of Snoqualmie Building Department



City of Snoqualmie
Snoqualmie Water Reclamation Facility
Improvements
Engineering Report
December 2015



CLASS "A" RECLAIMED WATER SERVICE AGREEMENT



END USER: Snoqualmie Ridge Golf Club, LLC, and its successors and assigns
CONTACT PERSON: Rick Hathaway **PHONE NO.:** (425) 396-6000
ADDRESS: 36005 SE Ridge Street
 Snoqualmie, WA 98065

TERMS & CONDITIONS OF SERVICE

The End User identified in this agreement is a bulk user of Class "A" Reclaimed Water under City Ordinance No. 859 and in receiving such water from the City of Snoqualmie under this Agreement, does hereby agree to the following terms and conditions for the use of Class "A" Reclaimed Water:

1. Use and Location of Reclaimed Water

a. Location of Use(s): Snoqualmie Ridge Golf Course Intended Use: Irrigation

2. Quantity of Reclaimed Water: The following values are estimates of End User's average irrigation water needs on a monthly basis in varying weather conditions. The weather station located at the Snoqualmie Ridge Golf Club Maintenance Facility uses information regarding weather conditions to generate daily evapotranspiration numbers that determine the amount of water necessary to irrigate the golf course on any given day. The net irrigation requirements below are based on these evapotranspiration numbers. They do not reflect treatment plant production capacity however, and may be reduced as needed to balance consumption with production, provided that the City shall provide water to the End User in accordance with the provisions of the Snoqualmie Wastewater Facilities Developer Extension Agreement ("Developer Extension Agreement"), the Snoqualmie Ridge Municipal Irrigation System Conveyance Agreement ("Conveyance Agreement") and all subsequent assignments thereof (collectively, the "Snoqualmie Ridge Agreements"). The rights and obligations of the End User and the City with respect to the Class A Water System are set forth in the Snoqualmie Ridge Agreements and are not intended to be modified in any respect by this Agreement.

Evapotranspiration number (in/day)	0.15 or lower (normal irrigation)	0.16 - 0.24 (warm weather)	.25 or higher (hot weather)
Areas Irrigated	Tees, Greens, fairways, Immediate Rough, Fringe Areas (daily)	Tees, Greens, Fairways, Immediate Rough, Fringe Areas (skip day)	Tees, Greens, Fairways, Immediate Rough
Estimated Acreage	180	153	125
Average Net Irrigation Required mgd	0.73	0.83	0.85

3. Rates and Fees for Reclaimed Water: Customer shall pay all sums billed for Class A Reclaimed Water according to the rates as established by ordinance, as the same now exist or may be hereafter amended. All provisions of city and state law relating to liens for water service shall apply to Class A Reclaimed Water provided to Customer.

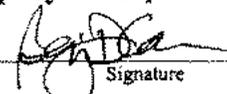
4. Restrictions on Use: Class A Reclaimed Water provided under this Service Agreement shall not be used in any place or manner except as specified in the "Location of Use(s)" and "Intended Use" designation above.

- a. For any irrigation use of reclaimed water, the hydraulic loading rate of reclaimed water shall be determined based on a detailed water balance analysis. The calculated loading rate(s) and the parameters and methods used to determine the loading rate(s) shall be submitted to the Washington Department of Ecology for approval. The determined appropriate loading rate may be greater than the quantity of reclaimed water produced and shall thus be reduced by a percentage as determined by treatment plant staff to balance consumption with production.
- b. There shall be no run-off of reclaimed water applied to land by spray irrigation to any surface waters of the state or to any land not authorized by approved use agreement.
- c. There shall be no application of reclaimed water for irrigation purposes when the ground is saturated or frozen.
- d. The reclaimed water shall not be applied to the irrigation lands in quantities that:
 - i. Significantly reduce or destroy the long-term infiltration rate of the soil.
 - ii. Cause long-term anaerobic conditions in the soil.
 - iii. Cause ponding of reclaimed water and produce objectionable odors or support insects or vectors.
 - iv. Cause leaching losses of constituents of concern beyond the treatment zone or in excess of the approved design. Constituents of concern are constituents in the reclaimed water, partial decomposition products, or soil constituents that would alter grounds water quality in amounts that would affect current and future beneficial uses.

5. **City's Obligation:** The City is not by this Agreement warranting or guaranteeing the availability to End User of any specific quantity of Class A Reclaimed Water, and the City's obligation hereunder is only to provide such quantity of Class A Reclaimed Water as may be available from the normal operations of the wastewater treatment plant. The City may impose conservation measures on End User in accordance with §5 of the Conveyance Agreement when the supply of Class A reclaimed water to Eagle Lake is not sufficient to meet the irrigation demands of all End Users of the Municipal Irrigation System and the Golf Course Irrigation System.
6. **Amendment:** This Agreement may be unilaterally amended at any time by the City to the extent required for compliance with any applicable state or federal laws or regulations. Other amendments shall only be effective upon written agreement between End User and the City and approval by the Department of Ecology and Department of Health.
7. **Interruption or Change of Supply:** In case of an emergency involving the public health or safety, the City may change, reduce or limit the time for, or temporarily discontinue the use of Class A Reclaimed Water and the City shall not be responsible for any resulting damage to the End User
8. **Disclaimer, Indemnity, and Hold Harmless:** The End User shall hold harmless, indemnify, and defend the City from any third party claims, suits, actions, losses, penalties, judgments, or awards for damages of any kind arising out of, or in connection with, the End User's use or distribution of Class A Reclaimed Water on End User's property under this Agreement.
9. **Term of Agreement:** This Agreement shall have a term of five years, and thereafter shall automatically be renewed from year to year. .
10. **Non-Integration:** This Agreement is intended to establish the contractual terms necessary to protect the public health and safety applicable to End User's use of Class A Reclaimed Water. It does not modify or replace any other written agreements between the City and End User, including the Snoqualmie Ridge Agreements.
11. **Noncompliance Notification:** In the event the End User is unable to comply with any of the terms and conditions of this service agreement due to any cause, the End User shall:
 - a. Immediately take action to stop the noncompliance and correct the problem.
 - b. Immediately notify the Department of Health at 509-456-2466, Ecology at 425-649-7000, and City of Snoqualmie at 425-888-4153 of the failure to comply.
12. **Compliance with Laws Governing Reclaimed Water and Temporary Suspension of Service:**
 - a. The City agrees that it will comply with all applicable federal, state, and local laws, regulations and standards governing the generation and delivery of Class A Reclaimed Water.
 - b. The End User's use of Class A Reclaimed Water will meet all applicable requirements contained in the *Water Reclamation and Reuse Standards*, issued by the Washington State Departments of Health and Ecology, and *Ordinance No. 857 § 2, 2000, Title 13 of the Snoqualmie Municipal Code*, including those listed in this agreement, as amended from time to time, or contained in any successor standards or ordinances.
 - c. Representatives of the City of Snoqualmie and Washington State Departments of Ecology and Health shall be granted access to any facilities or service locations for purposes of inspection and compliance with local and state regulations governing the use of Class A Reclaimed Water and compliance with this Service Agreement. End User shall permit access at reasonable times and upon reasonably advance notice, except in cases of emergency.
 - d. Violating any portion of the Restrictions on Use of this Agreement or of state standards by the End User may result in temporary termination of Class A Reclaimed Water service to the End User upon 24 hours written notice by the City, or immediately upon verbal notice if an imminent threat to public health or safety is determined to exist. Class A Reclaimed Water service shall be restored upon End User's curing the violation. If the violation is not capable of being cured within a period of five (5) days, the City will work with the End User and the Departments of Health and Ecology to create a compliance schedule or other procedure by which Class A Reclaimed Water service can be resumed as soon as possible.

I, the undersigned, do hereby affirm that I have the legal authority to enter into this Agreement for the Class A Reclaimed Water service on behalf of the End User identified above, and I have read the terms and conditions specified in this Agreement and references herein, and that the End User identified above agree to and shall be bound by said terms and conditions for the use of such water as specified in this Agreement and the references herein:

[Company Name] Snoqualmie Ridge Golf Club LLC

By:  Signature Benjamin D. Corwell Printed Name 3/26/08 Date

Approved: Fr: Co-Manager

By K-Hal 3-26-08
City of Snoqualmie

CLASS A RECLAIMED WATER DEFINITIONS AND USE REQUIREMENTS

DEFINITION

"Class A Reclaimed Water" means reclaimed water that meets State Class A Reclaimed Water criteria established in the Washington State Water Reclamation and Reuse Standards (Standards), as they may be amended from time to time. "Reclaimed water" has the same meaning as provided in RCW 90.46.010(4) of the Reclaimed Water Act, as it may be amended from time to time.

"Department" means Washington State Department of Ecology and/or Health.

"Class A Reclaimed Water" means reclaimed water that, at a minimum, is at all times an oxidized, coagulated, filtered, disinfected wastewater. The wastewater shall be considered adequately disinfected if the median number of total coliform organisms in the wastewater after disinfection does not exceed 2.2 per 100 milliliters, as determined from the bacteriological results of the last 7 days for which analyses have been completed, and the number of total coliform organisms does not exceed 23 per 100 milliliters in any sample.

"Department" means Washington State Department of Ecology and/or Health.

"Reclaimed Water" means effluent derived in any part from sewage from a wastewater treatment system that has been adequately and reliably treated, so that as a result of that treatment, it is suitable for a beneficial use or a controlled use that would not otherwise occur and is no longer considered wastewater.

"Review agencies" means Washington State Department of Ecology and/or Health.

CHANGES IN ALLOWABLE USES

Class A Reclaimed Water may be used only for the purposes specified and at the service location(s) identified in this Service Agreement. Any extension or change in use and/or in location of use must be specifically approved by an Amendment to this Service Agreement.

GENERAL USE AND USE AREA REQUIREMENTS

1. The public and employees shall be notified of the use of reclaimed water at all use areas. This shall be accomplished by the posting of advisory signs at use areas, notices on scorecards, distribution of written notices to residents or employees, or by other methods.
2. Adequate measures shall be taken to prevent unplanned ponding of reclaimed water.
3. Except as approved by the Washington Departments of Health and Ecology, reclaimed water, including runoff and spray, shall be confined to the designated and approved use area in accordance with the state discharge permit.
4. Precautions shall be taken to assure that reclaimed water will not be sprayed on people or any facility or area not designated for reuse, including but not limited to buildings, passing vehicles, and drinking water fountains.
5. Maximum attainable separation between reclaimed water lines and potable water lines shall be practiced. A minimum horizontal separation of 10 feet shall be maintained between reclaimed water lines and potable water lines. When crossing, a minimum vertical separation of 18 inches shall be maintained between reclaimed water lines and potable water lines in accordance with the Orange Book *Criteria for Sewage Works Design*, Washington Department of Ecology, and the potable water line shall be above the reclaimed water line unless otherwise approved by the Washington Departments of Health and Ecology.
6. All reclaimed water valves, storage facilities, and outlets shall be tagged or labeled to warn the public or employees that the water is not intended for drinking. The signage or advisory notification shall be colored purple with white or black lettering. Signs or notification should read "Reclaimed Water do Not Drink" or other advisory or educational language acceptable to the Washington Departments of Health or Ecology. Where appropriate (depending on the level of reclaimed water treatment), such warning shall inform the public or employees to avoid contact with the water.
7. All reclaimed water piping, valves, outlets, and other appurtenances shall be colorcoded purple, taped purple, or otherwise marked to identify the source of the water as being reclaimed water.
 - a. All reclaimed water piping and appurtenances shall be either colored purple and embossed or integrally stamped or marked "CAUTION: RECLAIMED WATER - DO NOT DRINK" or be installed with a purple identification tape or polyethylene vinyl wrap. The warning shall be stamped on opposite sides of the pipe and repeated every three feet or less.
 - b. Identification tape shall be at least three inches wide and have white or black lettering on a purple field stating "CAUTION: RECLAIMED WATER - DO NOT DRINK." Identification tape shall be installed on top of reclaimed water pipelines, fastened at least every ten feet to each pipe length, and run continuously the entire length of the pipe
8. Class A Reclaimed Water service may be terminated upon 24 hours written notice of any use violations under item 2 through 7 of the General Use and Use Area Requirements if End User has failed to cure the violation despite receiving such written notice, provided however, that service shall be resumed immediately upon End User's demonstration that the violation has been cured. If the violation is not capable of being cured within a period of five (5) days, the City will work with the End

User and the Departments of Health and Ecology to create a compliance schedule or other procedure by which Class A Reclaimed Water service can be resumed as soon as possible

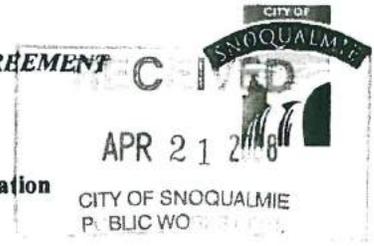
9. All reclaimed water valves and outlets shall be of a type, or secured in a manner, that permits operation only by authorized personnel.
10. Except as authorized by the Washington Departments of Health and Ecology, hose bibs on reclaimed water lines are prohibited.
11. For any irrigation use of reclaimed water, the hydraulic loading rate of reclaimed water shall be determined based on a detailed water balance analysis. The calculated loading rate(s) and the parameters and methods used to determine the loading rate(s) shall be submitted to the Washington Departments of Health and Ecology for approval
12. There shall be no application of reclaimed water for irrigation purposes when the ground is saturated or frozen.
13. Adequate measures shall be taken to prevent the breeding of vectors of health significance and the creation of odors, slimes, or aesthetically displeasing deposits.
14. Reclaimed water impoundments and storage ponds shall not result in contamination of groundwater that is used as, or suitable to be used as, a source of water supply for domestic purposes. Reclaimed water impoundments and storage ponds that are not lined or sealed to prevent seepage are acceptable if it is demonstrated to the satisfaction of the Washington Departments of Health and Ecology that such contamination will not occur.
15. A groundwater monitoring program may be required by the Washington Departments of Health and Ecology. Where required, the groundwater monitoring program shall be established by the permittee and approved by the Washington Departments of Health and Ecology. The monitoring program shall be based on reclaimed water quality and quantity, site specific soil and hydrogeology characteristics, and other considerations.
16. Tank trucks and other equipment used to distribute reclaimed water shall be clearly identified with advisory signs.
17. Tank trucks used to transport reclaimed water shall not be used to transport potable water that is used for drinking or other potable purposes.
18. Tank trucks used to transport reclaimed water shall not be filled through on-board piping or hoses that may subsequently be used to fill tanks with water from a potable water supply.
19. Tank trucks used to transport reclaimed water shall be inspected and approved for such use, by the water supplier which provides potable water to the use area, prior to transporting reclaimed water.
20. There shall be no cross-connections between the reclaimed water and potable water systems. The permittee or person(s) who distributes reclaimed water or owns or otherwise maintains control over the use area shall coordinate with the water supplier which provides potable water to the use area to establish and obtain approval from the Washington Department of Health for a cross-connection control and inspection program pursuant to WAC 246-290-490.
21. Where both reclaimed water and potable water are supplied to a reclaimed water use area, a reduced pressure principle backflow prevention device or an approved air gap separation shall be installed at the potable water service connection to the use area.
22. Where potable water is used to supplement a reclaimed water system, there shall be an air gap separation, approved and regularly inspected by the potable water supplier, between the potable water and reclaimed water.
23. Reclaimed water shall not enter a dwelling unit or a building containing a dwelling unit except as allowed in Article 4, Sections 10 and 11 of the Standards.
24. There shall be a minimum of 50 feet between any reclaimed water pipeline and potable water supply well.
25. Where reclaimed water is used for spray or surface irrigation, there shall be a minimum of 50 feet between the area subject to irrigation and any potable water supply well.
26. Where reclaimed water is used for an impoundment or storage pond or wetland that is not lined or sealed to prevent measurable seepage, there shall be a minimum of 500 feet between the perimeter of the impoundment or wetland and any potable water supply well.
27. Where reclaimed water is used for an impoundment or storage pond or wetland that is lined or sealed to prevent measurable seepage, there shall be a minimum of 100 feet between the perimeter of the impoundment or wetland and any potable water supply well.
28. The "Contact Person" designated on the front of this agreement shall ensure that all personnel using reclaimed water complete training in requirements for appropriate use of the Class A Reclaimed Water. This training requirement may be met by: 1) familiarizing them with the terms of this service agreement, and 2) providing written materials provided by the City of Snoqualmie Reclamation Plant and discussing them with the employee(s).
29. Irrigation users must ensure that their irrigation systems are in good working order, maintained regularly and kept free of leaks, and are set so that reclaimed water is applied appropriately to the landscape, to avoid excessive puddling or runoff. Sprinkler heads should be adjusted regularly to avoid application of water to impervious surfaces.
30. At all times, the distribution system(s) and use area(s) shall be maintained to ensure that all equipment is kept in a reliable operating condition.

REFERENCES

"Standards" – *Water Reclamation and Reuse Standards*, Washington State Department of Health and Washington State Department of Ecology, September 1997, and future amendments.

"Permit" -- *NPDES Permit Number WA-002240-3*, State of Washington Department of Ecology, issued City of Snoqualmie, December 20, 2002, and future amendments and renewals as issued.

CLASS "A" RECLAIMED WATER SERVICE AGREEMENT



END USER: Snoqualmie Ridge Business Park

CONTACT PERSON:

PHONE NO.: 206-248-7353

**ADDRESS: C/O GVA Kidder Mathews Utility BPCC-Owners Association Irrigation
PO Box 681931 Charlotte, NC 28216**

TERMS & CONDITIONS OF SERVICE

The End User identified in this agreement, in receiving Class A Reclaimed Water from the City of Snoqualmie under this agreement, does hereby agree to the following terms and conditions for the use of Class "A" Reclaimed Water:

1. Use and Location of Reclaimed Water

a. Location of Use(s): Snoqualmie Business Park

Use: Irrigation

2. Quantity of Reclaimed Water:

a. Maximum Quantity: The following values are estimates based on water needs requirements and does not reflect treatment plant production capacity. Therefore, the quantities of water designated in the table below will be reduced as needed by a percentage as determined by treatment plant staff to balance production with consumption.

	Normal Irrigation	Extended Periods of Warm Weather	Several Days of Very Hot Weather (over 90 F)
Average Irrigation Rate in/day	0.15	0.2	0.25
Areas Irrigated	Tees, Greens, fairways, Immediate Rough, Fringe Areas (daily)	Tees, Greens, Fairways, Immediate Rough, Fringe Areas (skip day)	Tees, Greens, Fairways, Immediate Rough
Estimated Acreage	180	153	125
Net Irrigation Required mgd	0.73	0.83	0.85

	Average Lawn Irrigation Rate in/day	Average Groundcover Irrigation Rate in/day	
	0.256	0.204	
Irrigation Use	Lawn Acreage	Groundcover Acreage	Net Irrigation Requirements
Arterials/Parks/BP	72.4	12.2	0.57

3. **Rates and Fees for Reclaimed Water:** Customer shall pay all sums billed for Class A Reclaimed Water according to the rates as established by ordinance, as the same now exist or may be hereafter amended, All provisions of city and state law relating to liens for water service shall apply to Class A Reclaimed Water provided to Customer.

4. **Restrictions on Use:** Class A Reclaimed Water provided under this Service Agreement shall not be used in any place or manner except as specified in the "Location of Use(s)" and "Intended Use" designation above.

- a. For any irrigation use of reclaimed water, the maximum hydraulic loading rate of reclaimed water shall be determined based on a detailed water balance analysis. The calculated loading rate(s) and the parameters and methods used to determine the loading rate(s) shall be submitted to the Washington Department of Ecology for approval. The determined appropriate loading rate may be greater than the quantity of reclaimed water produced and shall thus be reduced by a percentage as determined by treatment plant staff to balance consumption with production.
- b. There shall be no run-off of reclaimed water applied to land by spray irrigation to any surface waters of the state or to any land not authorized by approved use agreement.
- c. There shall be no application of reclaimed water for irrigation purposes when the ground is saturated or frozen.
- d. The reclaimed water shall not be applied to the irrigation lands in quantities that:
 - i. Significantly reduce or destroy the long-term infiltration rate of the soil.
 - ii. Cause long-term anaerobic conditions in the soil.
 - iii. Cause ponding of reclaimed water and produce objectionable odors or support insects or vectors.
 - iv. Cause leaching losses of constituents of concern beyond the treatment zone or in excess of the approved design. Constituents of concern are constituents in the reclaimed water, partial decomposition products, or soil constituents that would alter grounds water quality in amounts that would affect current and future beneficial uses.

5. **City's Obligation:** The City is not by this Agreement warranting or guaranteeing the availability to Customers of any specific quantity of Class A Reclaimed Water, and the City's obligation hereunder is only to provide such quantity of Class A Reclaimed Water as may be available from the normal operation of the wastewater treatment plant. The City may impose conservation measures on a uniform basis among all customers when the supply of Class A water is not

CLASS A RECLAIMED WATER DEFINITIONS AND USE REQUIREMENTS

DEFINITION

"Class A Reclaimed Water" means reclaimed water that meets State Class A Reclaimed Water criteria established in the Washington State Water Reclamation and Reuse Standards (Standards), as they may be amended from time to time. "Reclaimed water" has the same meaning as provided in RCW 90.46.010(4) of the Reclaimed Water Act, as it may be amended from time to time.

"Department" means Washington State Department of Ecology and/or Health.

"Class A Reclaimed Water" means reclaimed water that, at a minimum, is at all times an oxidized, coagulated, filtered, disinfected wastewater. The wastewater shall be considered adequately disinfected if the median number of total coliform organisms in the wastewater after disinfection does not exceed 2.2 per 100 milliliters, as determined from the bacteriological results of the last 7 days for which analyses have been completed, and the number of total coliform organisms does not exceed 23 per 100 milliliters in any sample.

"Department" means Washington State Department of Ecology and/or Health.

"Reclaimed Water" means effluent derived in any part from sewage from a wastewater treatment system that has been adequately and reliably treated, so that as a result of that treatment, it is suitable for a beneficial use or a controlled use that would not otherwise occur and is no longer considered wastewater.

"Review agencies" means Washington State Department of Ecology and/or Health.

CHANGES IN ALLOWABLE USES

Class A Reclaimed Water may be used only for the purposes specified and at the service location(s) identified in this Service Agreement. Any extension or change in use and/or in location of use must be specifically approved by an Amendment to this Service Agreement.

GENERAL USE AND USE AREA REQUIREMENTS

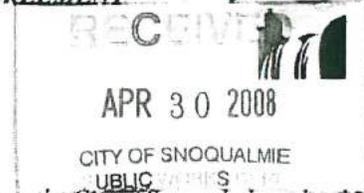
1. The public and employees shall be notified of the use of reclaimed water at all use areas. This shall be accomplished by the posting of advisory signs at use areas, notices on scorecards, distribution of written notices to residents or employees, or by other methods.
2. Adequate measures shall be taken to prevent unplanned ponding of reclaimed water.
3. Except as approved by the Washington Departments of Health and Ecology, reclaimed water, including runoff and spray, shall be confined to the designated and approved use area in accordance with the state discharge permit.
4. Precautions shall be taken to assure that reclaimed water will not be sprayed on people or any facility or area not designated for reuse, including but not limited to buildings, passing vehicles, and drinking water fountains.
5. Maximum attainable separation between reclaimed water lines and potable water lines shall be practiced. A minimum horizontal separation of 10 feet shall be maintained between reclaimed water lines and potable water lines. When crossing, a minimum vertical separation of 18 inches shall be maintained between reclaimed water lines and potable water lines in accordance with the Orange Book *Criteria for Sewage Works Design*, Washington Department of Ecology, and the potable water line shall be above the reclaimed water line unless otherwise approved by the Washington Departments of Health and Ecology.
6. All reclaimed water valves, storage facilities, and outlets shall be tagged or labeled to warn the public or employees that the water is not intended for drinking. The signage or advisory notification shall be colored purple with white or black lettering. Signs or notification should read "Reclaimed Water do Not Drink" or other advisory or educational language acceptable to the Washington Departments of Health or Ecology. Where appropriate (depending on the level of reclaimed water treatment), such warning shall inform the public or employees to avoid contact with the water.
7. All reclaimed water piping, valves, outlets, and other appurtenances shall be colorcoded purple, taped purple, or otherwise marked to identify the source of the water as being reclaimed water.
 - a. All reclaimed water piping and appurtenances shall be either colored purple and embossed or integrally stamped or marked "CAUTION: RECLAIMED WATER - DO NOT DRINK" or be installed with a purple identification tape or polyethylene vinyl wrap. The warning shall be stamped on opposite sides of the pipe and repeated every three feet or less.
 - b. Identification tape shall be at least three inches wide and have white or black lettering on a purple field stating "CAUTION: RECLAIMED WATER - DO NOT DRINK." Identification tape shall be installed on top of reclaimed water pipelines, fastened at least every ten feet to each pipe length, and run continuously the entire length of the pipe
8. Service shall be terminated within 24 hours of written notice of any use violations under Item 2 through 7 of the General Use and Use Area Requirements.
9. All reclaimed water valves and outlets shall be of a type, or secured in a manner, that permits operation only by authorized personnel.

10. Except as authorized by the Washington Departments of Health and Ecology, hose bibs on reclaimed water lines are prohibited.
11. For any irrigation use of reclaimed water, the hydraulic loading rate of reclaimed water shall be determined based on a detailed water balance analysis. The calculated loading rate(s) and the parameters and methods used to determine the loading rate(s) shall be submitted to the Washington Departments of Health and Ecology for approval.
12. There shall be no application of reclaimed water for irrigation purposes when the ground is saturated or frozen.
13. Adequate measures shall be taken to prevent the breeding of vectors of health significance and the creation of odors, slimes, or aesthetically displeasing deposits.
14. Reclaimed water impoundments and storage ponds shall not result in contamination of groundwater that is used as, or suitable to be used as, a source of water supply for domestic purposes. Reclaimed water impoundments and storage ponds that are not lined or sealed to prevent seepage are acceptable if it is demonstrated to the satisfaction of the Washington Departments of Health and Ecology that such contamination will not occur.
15. A groundwater monitoring program may be required by the Washington Departments of Health and Ecology. Where required, the groundwater monitoring program shall be established by the permittee and approved by the Washington Departments of Health and Ecology. The monitoring program shall be based on reclaimed water quality and quantity, site specific soil and hydrogeology characteristics, and other considerations.
16. Tank trucks and other equipment used to distribute reclaimed water shall be clearly identified with advisory signs.
17. Tank trucks used to transport reclaimed water shall not be used to transport potable water that is used for drinking or other potable purposes.
18. Tank trucks used to transport reclaimed water shall not be filled through on-board piping or hoses that may subsequently be used to fill tanks with water from a potable water supply.
19. Tank trucks used to transport reclaimed water shall be inspected and approved for such use, by the water supplier which provides potable water to the use area, prior to transporting reclaimed water.
20. There shall be no cross-connections between the reclaimed water and potable water systems. The permittee or person(s) who distributes reclaimed water or owns or otherwise maintains control over the use area shall coordinate with the water supplier which provides potable water to the use area to establish and obtain approval from the Washington Department of Health for a cross-connection control and inspection program pursuant to WAC 246-290-490.
21. Where both reclaimed water and potable water are supplied to a reclaimed water use area, a reduced pressure principle backflow prevention device or an approved air gap separation shall be installed at the potable water service connection to the use area.
22. Where potable water is used to supplement a reclaimed water system, there shall be an air gap separation, approved and regularly inspected by the potable water supplier, between the potable water and reclaimed water.
23. Reclaimed water shall not enter a dwelling unit or a building containing a dwelling unit except as allowed in Article 4, Sections 10 and 11 of the Standards.
24. There shall be a minimum of 50 feet between any reclaimed water pipeline and potable water supply well.
25. Where reclaimed water is used for spray or surface irrigation, there shall be a minimum of 50 feet between the area subject to irrigation and any potable water supply well.
26. Where reclaimed water is used for an impoundment or storage pond or wetland that is not lined or sealed to prevent measurable seepage, there shall be a minimum of 500 feet between the perimeter of the impoundment or wetland and any potable water supply well.
27. Where reclaimed water is used for an impoundment or storage pond or wetland that is lined or sealed to prevent measurable seepage, there shall be a minimum of 100 feet between the perimeter of the impoundment or wetland and any potable water supply well.
28. The "Contact Person" designated on the front of this agreement shall ensure that all personnel using reclaimed water complete training in requirements for appropriate use of the Class A Reclaimed Water. This training requirement may be met by: 1) familiarizing them with the terms of this service agreement, and 2) providing written materials provided by the City of Snoqualmie Reclamation Plant and discussing them with the employee(s).
29. Irrigation users must ensure that their irrigation systems are in good working order, maintained regularly and kept free of leaks, and are set so that reclaimed water is applied appropriately to the landscape, to avoid excessive puddling or runoff. Sprinkler heads should be adjusted regularly to avoid application of water to impervious services.
30. At all times, the distribution system(s) and use area(s) shall be maintained to ensure that all equipment is kept in a reliable operating condition.

REFERENCES

"Standards" -- *Water Reclamation and Reuse Standards*, Washington State Department of Health and Washington State Department of Ecology, September 1997, and future amendments.

"Permit" -- *NPDES Permit Number WA-002240-3*, State of Washington Department of Ecology, issued City of Snoqualmie, December 20, 2002, and future amendments and renewals as issued.

CLASS "A" RECLAIMED WATER SERVICE AGREEMENT**END USER: Venture Corporation****CONTACT PERSON:****PHONE NO.: 415-464-2000****ADDRESS: 125 E. Sire Frances Drake Blvd. 3rd Floor Larkspur, CA 94939****TERMS & CONDITIONS OF SERVICE**

The End User identified in this agreement, in receiving Class A Reclaimed Water from the City of Snoqualmie under this agreement, does hereby agree to the following terms and conditions for the use of Class "A" Reclaimed Water:

1. Use and Location of Reclaimed Water

- a. **Location of Use(s): Venture Commerce Center, SE Center Street**
Use: Irrigation

2. Quantity of Reclaimed Water:

- a. **Maximum Quantity:** The following values are estimates based on water needs requirements and does not reflect treatment plant production capacity. Therefore, the quantities of water designated in the table below will be reduced as needed by a percentage as determined by treatment plant staff to balance production with consumption.

	Normal Irrigation	Extended Periods of Warm Weather	Several Days of Very Hot Weather (over 90 F)
Average Irrigation Rate in/day	0.15	0.2	0.25
Areas Irrigated	Tees, Greens, fairways, Immediate Rough, Fringe Areas (daily)	Tees, Greens, Fairways, Immediate Rough, Fringe Areas (skip day)	Tees, Greens, Fairways, Immediate Rough
Estimated Acreage	180	153	125
Net Irrigation Required mgd	0.73	0.83	0.85

	Average Lawn Irrigation Rate in/day	Average Groundcover Irrigation Rate in/day	
	0.256	0.204	
Irrigation Use	Lawn Acreage	Groundcover Acreage	Net Irrigation Requirements
Arterials/Parks/BP	72.4	12.2	0.57

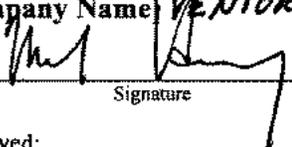
3. **Rates and Fees for Reclaimed Water:** Customer shall pay all sums billed for Class A Reclaimed Water according to the rates as established by ordinance, as the same now exist or may be hereafter amended, All provisions of city and state law relating to liens for water service shall apply to Class A Reclaimed Water provided to Customer.
4. **Restrictions on Use:** Class A Reclaimed Water provided under this Service Agreement shall not be used in any place or manner except as specified in the "Location of Use(s)" and "Intended Use" designation above.
- For any irrigation use of reclaimed water, the maximum hydraulic loading rate of reclaimed water shall be determined based on a detailed water balance analysis. The calculated loading rate(s) and the parameters and methods used to determine the loading rate(s) shall be submitted to the Washington Department of Ecology for approval. The determined appropriate loading rate may be greater than the quantity of reclaimed water produced and shall thus be reduced by a percentage as determined by treatment plant staff to balance consumption with production.
 - There shall be no run-off of reclaimed water applied to land by spray irrigation to any surface waters of the state or to any land not authorized by approved use agreement.
 - There shall be no application of reclaimed water for irrigation purposes when the ground is saturated or frozen.
 - The reclaimed water shall not be applied to the irrigation lands in quantities that:
 - Significantly reduce or destroy the long-term infiltration rate of the soil.
 - Cause long-term anaerobic conditions in the soil.
 - Cause ponding of reclaimed water and produce objectionable odors or support insects or vectors.
 - Cause leaching losses of constituents of concern beyond the treatment zone or in excess of the approved design. Constituents of concern are constituents in the reclaimed water, partial decomposition products, or soil constituents that would alter ground water quality in amounts that would affect current and future beneficial uses.
5. **City's Obligation:** The City is not by this Agreement warranting or guaranteeing the availability to Customers of any specific quantity of Class A Reclaimed Water, and the City's obligation hereunder is only to provide such quantity of Class A Reclaimed Water as may be available from the normal operation of the wastewater treatment plant. The City may impose conservation measures on a uniform basis among all customers when the supply of Class A water is not

sufficient to meet all irrigation demands of customers of the Municipal Irrigation System as a whole. The City shall have no liability whatsoever to Customer for its inability to provide Class A Reclaimed Water for any reason.

- 6. **Amendment:** This Agreement may be unilaterally amended at any time by the City if required for compliance with any applicable state or federal laws or regulations. Other amendments shall only be effective upon written approval.
- 7. **Interruption or Change of Supply:** In case of emergency repairs or other necessary work, or whenever the public health or safety so demands, the City of Snoqualmie may change, reduce or limit the time for, or temporarily discontinue the use of, Class A Reclaimed Water. The City of Snoqualmie shall not be responsible for any damage resulting from interruption or change of the Class A Reclaimed Water supply, or for any damage incurred by the End User arising out of the use or transportation of the Class A Reclaimed Water.
- 8. **Disclaimer, Indemnity, and Hold Harmless:** The End User shall hold harmless, indemnify, and defend the City from any claims, suits, actions, losses, penalties, judgments, awards for damages of any kind arising out of, or in connection with, the use or distribution of Class A Reclaimed Water provided under this Service Agreement.
- 9. **Termination of Service:** This agreement shall have a term of one year, and shall automatically be renewed from year to year unless terminated pursuant to this Section. Class A Reclaimed Water service may be terminated, without cause, upon thirty (30) days written notice by the City. Class A Reclaimed Water service may be terminated upon 24 hours written notice by the City if the City believes a violation of the Use Requirements has occurred.
- 10. **Noncompliance Notification:** In the event the End User is unable to comply with any of the terms and conditions of this service agreement due to any cause, the End User shall:
 - a. Immediately take action to stop the noncompliance and correct the problem.
 - b. Immediately notify the Department of Health at 509-456-2466, Ecology at 425-649-7000, and City of Snoqualmie at 425-888-4153 of the failure to comply.
- 11. **Compliance with Laws Governing Reclaimed Water:**
 - a. The City agrees that it will comply with all applicable federal, state, and local laws, regulations and standards governing the generation and delivery of Class A Reclaimed Water.
 - b. The End User's use of Class A Reclaimed Water will meet all applicable requirements contained in the *Water Reclamation and Reuse Standards*, issued by the Washington State Departments of Health and Ecology, and *Ordinance No. 857 § 2, 2000, Title 13* of the *Snoqualmie Municipal Code*, including those listed in this agreement, as amended from time to time, or contained in any successor standards or ordinances.
 - c. Representatives of the City of Snoqualmie and Washington State Departments of Ecology and Health shall be granted access to any facilities or service locations for purposes of inspection and compliance with local and state regulations governing the use of Class A Reclaimed Water and compliance with this Service Agreement. End User shall permit access at reasonable times and upon reasonable advance notice, except in cases of emergency.
 - d. Violating any portion of the **CLASS "A" RECLAIMED WATER SERVICE AGREEMENT** or of State standards will result in immediate termination of the water supply to the site upon discovery by the city subject to documentation and notification on site by cities agent.

I, the undersigned, do hereby affirm that I have the legal authority to enter into this Agreement for the Class A Reclaimed Water service on behalf of the End User identified above, and I have read the terms and conditions specified in this Agreement and references herein, and that the End User identified above agree to and shall be bound by said terms and conditions for the use of such water as specified in this Agreement and the references herein:

[Company Name] **VENTURE COMMERCE CENTER - SNOQUALMIE CONDOMINIUM ASSOCIATION**

By:  **MACK HEAVEY, SEC.** 01/28/08

Signature

Printed Name

Date

Approved:

By _____
City of Snoqualmie

CLASS A RECLAIMED WATER DEFINITIONS AND USE REQUIREMENTS

DEFINITION

"Class A Reclaimed Water" means reclaimed water that meets State Class A Reclaimed Water criteria established in the Washington State Water Reclamation and Reuse Standards (Standards), as they may be amended from time to time. "Reclaimed water" has the same meaning as provided in RCW 90.46.010(4) of the Reclaimed Water Act, as it may be amended from time to time.

"Department" means Washington State Department of Ecology and/or Health.

"Class A Reclaimed Water" means reclaimed water that, at a minimum, is at all times an oxidized, coagulated, filtered, disinfected wastewater. The wastewater shall be considered adequately disinfected if the median number of total coliform organisms in the wastewater after disinfection does not exceed 2.2 per 100 milliliters, as determined from the bacteriological results of the last 7 days for which analyses have been completed, and the number of total coliform organisms does not exceed 23 per 100 milliliters in any sample.

"Department" means Washington State Department of Ecology and/or Health.

"Reclaimed Water" means effluent derived in any part from sewage from a wastewater treatment system that has been adequately and reliably treated, so that as a result of that treatment, it is suitable for a beneficial use or a controlled use that would not otherwise occur and is no longer considered wastewater.

"Review agencies" means Washington State Department of Ecology and/or Health.

CHANGES IN ALLOWABLE USES

Class A Reclaimed Water may be used only for the purposes specified and at the service location(s) identified in this Service Agreement. Any extension or change in use and/or in location of use must be specifically approved by an Amendment to this Service Agreement.

GENERAL USE AND USE AREA REQUIREMENTS

1. The public and employees shall be notified of the use of reclaimed water at all use areas. This shall be accomplished by the posting of advisory signs at use areas, notices on scorecards, distribution of written notices to residents or employees, or by other methods.
2. Adequate measures shall be taken to prevent unplanned ponding of reclaimed water.
3. Except as approved by the Washington Departments of Health and Ecology, reclaimed water, including runoff and spray, shall be confined to the designated and approved use area in accordance with the state discharge permit.
4. Precautions shall be taken to assure that reclaimed water will not be sprayed on people or any facility or area not designated for reuse, including but not limited to buildings, passing vehicles, and drinking water fountains.
5. Maximum attainable separation between reclaimed water lines and potable water lines shall be practiced. A minimum horizontal separation of 10 feet shall be maintained between reclaimed water lines and potable water lines. When crossing, a minimum vertical separation of 18 inches shall be maintained between reclaimed water lines and potable water lines in accordance with the Orange Book *Criteria for Sewage Works Design*, Washington Department of Ecology, and the potable water line shall be above the reclaimed water line unless otherwise approved by the Washington Departments of Health and Ecology.
6. All reclaimed water valves, storage facilities, and outlets shall be tagged or labeled to warn the public or employees that the water is not intended for drinking. The signage or advisory notification shall be colored purple with white or black lettering. Signs or notification should read "Reclaimed Water do Not Drink" or other advisory or educational language acceptable to the Washington Departments of Health or Ecology. Where appropriate (depending on the level of reclaimed water treatment), such warning shall inform the public or employees to avoid contact with the water.
7. All reclaimed water piping, valves, outlets, and other appurtenances shall be colorcoded purple, taped purple, or otherwise marked to identify the source of the water as being reclaimed water.
 - a. All reclaimed water piping and appurtenances shall be either colored purple and embossed or integrally stamped or marked "CAUTION: RECLAIMED WATER - DO NOT DRINK" or be installed with a purple identification tape or polyethylene vinyl wrap. The warning shall be stamped on opposite sides of the pipe and repeated every three feet or less.
 - b. Identification tape shall be at least three inches wide and have white or black lettering on a purple field stating "CAUTION: RECLAIMED WATER - DO NOT DRINK." Identification tape shall be installed on top of reclaimed water pipelines, fastened at least every ten feet to each pipe length, and run continuously the entire length of the pipe
8. Service shall be terminated within 24 hours of written notice of any use violations under item 2 through 7 of the General Use and Use Area Requirements.
9. All reclaimed water valves and outlets shall be of a type, or secured in a manner, that permits operation only by authorized personnel.

10. Except as authorized by the Washington Departments of Health and Ecology, hose bibs on reclaimed water lines are prohibited.
11. For any irrigation use of reclaimed water, the hydraulic loading rate of reclaimed water shall be determined based on a detailed water balance analysis. The calculated loading rate(s) and the parameters and methods used to determine the loading rate(s) shall be submitted to the Washington Departments of Health and Ecology for approval.
12. There shall be no application of reclaimed water for irrigation purposes when the ground is saturated or frozen.
13. Adequate measures shall be taken to prevent the breeding of vectors of health significance and the creation of odors, slimes, or aesthetically displeasing deposits.
14. Reclaimed water impoundments and storage ponds shall not result in contamination of groundwater that is used as, or suitable to be used as, a source of water supply for domestic purposes. Reclaimed water impoundments and storage ponds that are not lined or sealed to prevent seepage are acceptable if it is demonstrated to the satisfaction of the Washington Departments of Health and Ecology that such contamination will not occur.
15. A groundwater monitoring program may be required by the Washington Departments of Health and Ecology. Where required, the groundwater monitoring program shall be established by the permittee and approved by the Washington Departments of Health and Ecology. The monitoring program shall be based on reclaimed water quality and quantity, site specific soil and hydrogeology characteristics, and other considerations.
16. Tank trucks and other equipment used to distribute reclaimed water shall be clearly identified with advisory signs.
17. Tank trucks used to transport reclaimed water shall not be used to transport potable water that is used for drinking or other potable purposes.
18. Tank trucks used to transport reclaimed water shall not be filled through on-board piping or hoses that may subsequently be used to fill tanks with water from a potable water supply.
19. Tank trucks used to transport reclaimed water shall be inspected and approved for such use, by the water supplier which provides potable water to the use area, prior to transporting reclaimed water.
20. There shall be no cross-connections between the reclaimed water and potable water systems. The permittee or person(s) who distributes reclaimed water or owns or otherwise maintains control over the use area shall coordinate with the water supplier which provides potable water to the use area to establish and obtain approval from the Washington Department of Health for a cross-connection control and inspection program pursuant to WAC 246-290-490.
21. Where both reclaimed water and potable water are supplied to a reclaimed water use area, a reduced pressure principle backflow prevention device or an approved air gap separation shall be installed at the potable water service connection to the use area.
22. Where potable water is used to supplement a reclaimed water system, there shall be an air gap separation, approved and regularly inspected by the potable water supplier, between the potable water and reclaimed water.
23. Reclaimed water shall not enter a dwelling unit or a building containing a dwelling unit except as allowed in Article 4, Sections 10 and 11 of the Standards.
24. There shall be a minimum of 50 feet between any reclaimed water pipeline and potable water supply well.
25. Where reclaimed water is used for spray or surface irrigation, there shall be a minimum of 50 feet between the area subject to irrigation and any potable water supply well.
26. Where reclaimed water is used for an impoundment or storage pond or wetland that is not lined or sealed to prevent measurable seepage, there shall be a minimum of 500 feet between the perimeter of the impoundment or wetland and any potable water supply well.
27. Where reclaimed water is used for an impoundment or storage pond or wetland that is lined or sealed to prevent measurable seepage, there shall be a minimum of 100 feet between the perimeter of the impoundment or wetland and any potable water supply well.
28. The "Contact Person" designated on the front of this agreement shall ensure that all personnel using reclaimed water complete training in requirements for appropriate use of the Class A Reclaimed Water. This training requirement may be met by: 1) familiarizing them with the terms of this service agreement, and 2) providing written materials provided by the City of Snoqualmie Reclamation Plant and discussing them with the employee(s).
29. Irrigation users must ensure that their irrigation systems are in good working order, maintained regularly and kept free of leaks, and are set so that reclaimed water is applied appropriately to the landscape, to avoid excessive puddling or runoff. Sprinkler heads should be adjusted regularly to avoid application of water to impervious services.
30. At all times, the distribution system(s) and use area(s) shall be maintained to ensure that all equipment is kept in a reliable operating condition.

REFERENCES

"Standards" – *Water Reclamation and Reuse Standards*, Washington State Department of Health and Washington State Department of Ecology, September 1997, and future amendments.

"Permit" -- *NPDES Permit Number WA-002240-3*, State of Washington Department of Ecology, issued City of Snoqualmie, December 20, 2002, and future amendments and renewals as issued.

CLASS "A" RECLAIMED WATER SERVICE AGREEMENT



END USER: City of Snoqualmie – Public Works Department

CONTACT PERSON: Kirk Holmes

PHONE NO.: (425) 831-4919

ADDRESS: {Po Box 987, Snoqualmie, WA 98065

RECEIVED

JUN 25 2007

TERMS & CONDITIONS OF SERVICE

The End User identified in this agreement, in receiving Class A Reclaimed Water from the City of Snoqualmie under this agreement, does hereby agree to the following terms and conditions for the use of Class "A" Reclaimed Water.

1. Use and Location of Reclaimed Water

a. Location of Use(s): Snoqualmie Parkway median and swales

Use: Irrigation

2. Quantity of Reclaimed Water:

a. Maximum Quantity: The following values are estimates based on water needs requirements and does not reflect treatment plant production capacity. Therefore, the quantities of water designated in the table below will be reduced as needed by a percentage as determined by treatment plant staff to balance production with consumption.

	Normal Irrigation	Extended Periods of Warm Weather	Several Days of Very Hot Weather (over 90 F)
Average Irrigation Rate in/day	0.15	0.2	0.25
Areas Irrigated	Tees, Greens, fairways, Immediate Rough, Fringe Areas (daily)	Tees, Greens, Fairways, Immediate Rough, Fringe Areas (skip day)	Tees, Greens, Fairways, Immediate Rough
Estimated/Acreage	180	153	125
Net Irrigation Required mgd	0.73	0.83	0.85

	Average Lawn Irrigation Rate in/day	Average Groundcover Irrigation Rate in/day	
	0.256	0.204	
Irrigation Use	Lawn Acreage	Groundcover Acreage	Net Irrigation Requirements
Arterials/Parks/BP	72.4	12.2	0.57

3. **Rates and Fees for Reclaimed Water:** Customer shall pay all sums billed for Class A Reclaimed Water according to the rates as established by ordinance, as the same now exist or may be hereafter amended, All provisions of city and state law relating to liens for water service shall apply to Class A Reclaimed Water provided to Customer.

4. **Restrictions on Use:** Class A Reclaimed Water provided under this Service Agreement shall not be used in any place or manner except as specified in the "Location of Use(s)" and "Intended Use" designation above.

- a. For any irrigation use of reclaimed water, the maximum hydraulic loading rate of reclaimed water shall be determined based on a detailed water balance analysis. The calculated loading rate(s) and the parameters and methods used to determine the loading rate(s) shall be submitted to the Washington Department of Ecology for approval. The determined appropriate loading rate may be greater than the quantity of reclaimed water produced and shall thus be reduced by a percentage as determined by treatment plant staff to balance consumption with production.
- b. There shall be no run-off of reclaimed water applied to land by spray irrigation to any surface waters of the state or to any land not authorized by approved use agreement.
- c. There shall be no application of reclaimed water for irrigation purposes when the ground is saturated or frozen.
- d. The reclaimed water shall not be applied to the irrigation lands in quantities that:
 - i. Significantly reduce or destroy the long-term infiltration rate of the soil.
 - ii. Cause long-term anaerobic conditions in the soil.
 - iii. Cause ponding of reclaimed water and produce objectionable odors or support insects or vectors.
 - iv. Cause leaching losses of constituents of concern beyond the treatment zone or in excess of the approved design. Constituents of concern are constituents in the reclaimed water, partial decomposition products, or soil constituents that would alter grounds water quality in amounts that would affect current and future beneficial uses.

5. **City's Obligation:** The City is not by this Agreement warranting or guaranteeing the availability to Customers of any specific quantity of Class A Reclaimed Water, and the City's obligation hereunder is only to provide such quantity of Class A Reclaimed Water as may be available from the normal operation of the wastewater treatment plant. The City may impose conservation measures on a uniform basis among all customers when the supply of Class A water is not

sufficient to meet all irrigation demands of customers of the Municipal Irrigation System as a whole. The City shall have no liability whatsoever to Customer for its inability to provide Class A Reclaimed Water for any reason.

- 6. **Amendment:** This Agreement may be unilaterally amended at any time by the City if required for compliance with any applicable state or federal laws or regulations. Other amendments shall only be effective upon written approval.
- 7. **Interruption or Change of Supply:** In case of emergency repairs or other necessary work, or whenever the public health or safety so demands, the City of Snoqualmie may change, reduce or limit the time for, or temporarily discontinue the use of, Class A Reclaimed Water. The City of Snoqualmie shall not be responsible for any damage resulting from interruption or change of the Class A Reclaimed Water supply, or for any damage incurred by the End User arising out of the use or transportation of the Class A Reclaimed Water.
- 8. **Disclaimer, Indemnity, and Hold Harmless:** The End User shall hold harmless, indemnify, and defend the City from any claims, suits, actions, losses, penalties, judgments, awards for damages of any kind arising out of, or in connection with, the use or distribution of Class A Reclaimed Water provided under this Service Agreement.
- 9. **Termination of Service:** This agreement shall have a term of one year, and shall automatically be renewed from year to year unless terminated pursuant to this Section. Class A Reclaimed Water service may be terminated, without cause, upon thirty (30) days written notice by the City. Class A Reclaimed Water service may be terminated upon 24 hours written notice by the City if the City believes a violation of the Use Requirements has occurred.
- 10. **Noncompliance Notification:** In the event the End User is unable to comply with any of the terms and conditions of this service agreement due to any cause, the End User shall:
 - a. Immediately take action to stop the noncompliance and correct the problem.
 - b. Immediately notify the Department of Health at 509-456-2466, Ecology at 425-649-7000, and City of Snoqualmie at 425-888-4153 of the failure to comply.
- 11. **Compliance with Laws Governing Reclaimed Water:**
 - a. The City agrees that it will comply with all applicable federal, state, and local laws, regulations and standards governing the generation and delivery of Class A Reclaimed Water.
 - b. The End User's use of Class A Reclaimed Water will meet all applicable requirements contained in the *Water Reclamation and Reuse Standards*, issued by the Washington State Departments of Health and Ecology, and *Ordinance No. 857 § 2, 2000, Title 13 of the Snoqualmie Municipal Code*, including those listed in this agreement, as amended from time to time, or contained in any successor standards or ordinances.
 - c. Representatives of the City of Snoqualmie and Washington State Departments of Ecology and Health shall be granted access to any facilities or service locations for purposes of inspection and compliance with local and state regulations governing the use of Class A Reclaimed Water and compliance with this Service Agreement. End User shall permit access at reasonable times and upon reasonable advance notice, except in cases of emergency.
 - d. Violating any portion of the **CLASS "A" RECLAIMED WATER SERVICE AGREEMENT** or of State standards will result in immediate termination of the water supply to the site upon discovery by the city subject to documentation and notification on site by cities agent.

I, the undersigned, do hereby affirm that I have the legal authority to enter into this Agreement for the Class A Reclaimed Water service on behalf of the End User identified above, and I have read the terms and conditions specified in this Agreement and references herein, and that the End User identified above agree to and shall be bound by said terms and conditions for the use of such water as specified in this Agreement and the references herein.

[Company Name]

By K. Holmes

Signature

Kirk Holmes

Printed Name

6-25-07

Date

Approved:

By [Signature]

City of Snoqualmie

CLASS A RECLAIMED WATER DEFINITIONS AND USE REQUIREMENTS

DEFINITION

"*Class A Reclaimed Water*" means reclaimed water that meets State Class A Reclaimed Water criteria established in the Washington State Water Reclamation and Reuse Standards (Standards), as they may be amended from time to time. "Reclaimed water" has the same meaning as provided in RCW 90.46.010(4) of the Reclaimed Water Act, as it may be amended from time to time.

"*Department*" means Washington State Department of Ecology and/or Health.

"*Class A Reclaimed Water*" means reclaimed water that, at a minimum, is at all times an oxidized, coagulated, filtered, disinfected wastewater. The wastewater shall be considered adequately disinfected if the median number of total coliform organisms in the wastewater after disinfection does not exceed 2.2 per 100 milliliters, as determined from the bacteriological results of the last 7 days for which analyses have been completed, and the number of total coliform organisms does not exceed 23 per 100 milliliters in any sample.

"*Department*" means Washington State Department of Ecology and/or Health.

"*Reclaimed Water*" means effluent derived in any part from sewage from a wastewater treatment system that has been adequately and reliably treated, so that as a result of that treatment, it is suitable for a beneficial use or a controlled use that would not otherwise occur and is no longer considered wastewater.

"*Review agencies*" means Washington State Department of Ecology and/or Health.

CHANGES IN ALLOWABLE USES

Class A Reclaimed Water may be used only for the purposes specified and at the service location(s) identified in this Service Agreement. Any extension or change in use and/or in location of use must be specifically approved by an Amendment to this Service Agreement.

GENERAL USE AND USE AREA REQUIREMENTS

1. The public and employees shall be notified of the use of reclaimed water at all use areas. This shall be accomplished by the posting of advisory signs at use areas, notices on scorecards, distribution of written notices to residents or employees, or by other methods.
2. Adequate measures shall be taken to prevent unplanned ponding of reclaimed water.
3. Except as approved by the Washington Departments of Health and Ecology, reclaimed water, including runoff and spray, shall be confined to the designated and approved use area in accordance with the state discharge permit.
4. Precautions shall be taken to assure that reclaimed water will not be sprayed on people or any facility or area not designated for reuse, including but not limited to buildings, passing vehicles, and drinking water fountains.
5. Maximum attainable separation between reclaimed water lines and potable water lines shall be practiced. A minimum horizontal separation of 10 feet shall be maintained between reclaimed water lines and potable water lines. When crossing, a minimum vertical separation of 18 inches shall be maintained between reclaimed water lines and potable water lines in accordance with the Orange Book *Criteria for Sewage Works Design*, Washington Department of Ecology, and the potable water line shall be above the reclaimed water line unless otherwise approved by the Washington Departments of Health and Ecology.
6. All reclaimed water valves, storage facilities, and outlets shall be tagged or labeled to warn the public or employees that the water is not intended for drinking. The signage or advisory notification shall be colored purple with white or black lettering. Signs or notification should read "Reclaimed Water do Not Drink" or other advisory or educational language acceptable to the Washington Departments of Health or Ecology. Where appropriate (depending on the level of reclaimed water treatment), such warning shall inform the public or employees to avoid contact with the water.
7. All reclaimed water piping, valves, outlets, and other appurtenances shall be color-coded purple, taped purple, or otherwise marked to identify the source of the water as being reclaimed water.
 - a. All reclaimed water piping and appurtenances shall be either colored purple and embossed or integrally stamped or marked "CAUTION: RECLAIMED WATER - DO NOT DRINK" or be installed with a purple identification tape or polyethylene vinyl wrap. The warning shall be stamped on opposite sides of the pipe and repeated every three feet or less.
 - b. Identification tape shall be at least three inches wide and have white or black lettering on a purple field stating "CAUTION: RECLAIMED WATER - DO NOT DRINK." Identification tape shall be installed on top of reclaimed water pipelines, fastened at least every ten feet to each pipe length, and run continuously the entire length of the pipe.
8. Service shall be terminated within 24 hours of written notice of any use violations under item 2 through 7 of the General Use and Use Area Requirements.
9. All reclaimed water valves and outlets shall be of a type, or secured in a manner, that permits operation only by authorized personnel.

10. Except as authorized by the Washington Departments of Health and Ecology, hose bibs on reclaimed water lines are prohibited.
11. For any irrigation use of reclaimed water, the hydraulic loading rate of reclaimed water shall be determined based on a detailed water balance analysis. The calculated loading rate(s) and the parameters and methods used to determine the loading rate(s) shall be submitted to the Washington Departments of Health and Ecology for approval.
12. There shall be no application of reclaimed water for irrigation purposes when the ground is saturated or frozen.
13. Adequate measures shall be taken to prevent the breeding of vectors of health significance and the creation of odors, slimes, or acsthetically displeasing deposits.
14. Reclaimed water impoundments and storage ponds shall not result in contamination of groundwater that is used as, or suitable to be used as, a source of water supply for domestic purposes. Reclaimed water impoundments and storage ponds that are not lined or sealed to prevent seepage are acceptable if it is demonstrated to the satisfaction of the Washington Departments of Health and Ecology that such contamination will not occur.
15. A groundwater monitoring program may be required by the Washington Departments of Health and Ecology. Where required, the groundwater monitoring program shall be established by the permittee and approved by the Washington Departments of Health and Ecology. The monitoring program shall be based on reclaimed water quality and quantity, site specific soil and hydrogeology characteristics, and other considerations.
16. Tank trucks and other equipment used to distribute reclaimed water shall be clearly identified with advisory signs.
17. Tank trucks used to transport reclaimed water shall not be used to transport potable water that is used for drinking or other potable purposes.
18. Tank trucks used to transport reclaimed water shall not be filled through on-board piping or hoses that may subsequently be used to fill tanks with water from a potable water supply.
19. Tank trucks used to transport reclaimed water shall be inspected and approved for such use, by the water supplier which provides potable water to the use area, prior to transporting reclaimed water.
20. There shall be no cross-connections between the reclaimed water and potable water systems. The permittee or person(s) who distributes reclaimed water or owns or otherwise maintains control over the use area shall coordinate with the water supplier which provides potable water to the use area to establish and obtain approval from the Washington Department of Health for a cross-connection control and inspection program pursuant to WAC 246-290-490.
21. Where both reclaimed water and potable water are supplied to a reclaimed water use area, a reduced pressure principle backflow prevention device or an approved air gap separation shall be installed at the potable water service connection to the use area.
22. Where potable water is used to supplement a reclaimed water system, there shall be an air gap separation, approved and regularly inspected by the potable water supplier, between the potable water and reclaimed water.
23. Reclaimed water shall not enter a dwelling unit or a building containing a dwelling unit except as allowed in Article 4, Sections 10 and 11 of the Standards.
24. There shall be a minimum of 50 feet between any reclaimed water pipeline and potable water supply well.
25. Where reclaimed water is used for spray or surface irrigation, there shall be a minimum of 50 feet between the area subject to irrigation and any potable water supply well.
26. Where reclaimed water is used for an impoundment or storage pond or wetland that is not lined or sealed to prevent measurable seepage, there shall be a minimum of 500 feet between the perimeter of the impoundment or wetland and any potable water supply well.
27. Where reclaimed water is used for an impoundment or storage pond or wetland that is lined or sealed to prevent measurable seepage, there shall be a minimum of 100 feet between the perimeter of the impoundment or wetland and any potable water supply well.
28. The "Contact Person" designated on the front of this agreement shall ensure that all personnel using reclaimed water complete training in requirements for appropriate use of the Class A Reclaimed Water. This training requirement may be met by: 1) familiarizing them with the terms of this service agreement, and 2) providing written materials provided by the City of Snoqualmie Reclamation Plant and discussing them with the employee(s).
29. Irrigation users must ensure that their irrigation systems are in good working order, maintained regularly and kept free of leaks, and are set so that reclaimed water is applied appropriately to the landscape, to avoid excessive puddling or runoff. Sprinkler heads should be adjusted regularly to avoid application of water to impervious services.
30. At all times, the distribution system(s) and use area(s) shall be maintained to ensure that all equipment is kept in a reliable operating condition.

REFERENCES

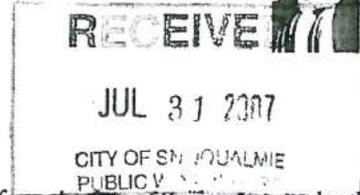
"Standards" – *Water Reclamation and Reuse Standards*, Washington State Department of Health and Washington State Department of Ecology, September 1997, and future amendments.

"Permit" -- *NPDES Permit Number WA-002240-3*, State of Washington Department of Ecology, issued City of Snoqualmie, December 20, 2002, and future amendments and renewals as issued.

CLASS "A" RECLAIMED WATER SERVICE AGREEMENT



END USER: Snoqualmie Ridge ROA (and Joint Committee)
CONTACT PERSON: _____ **PHONE NO.:** 425 396-5432
ADDRESS: 35131 SE Douglas Street, Suite #114
Snoqualmie, WA 98065



TERMS & CONDITIONS OF SERVICE

The End User identified in this agreement, in receiving Class A Reclaimed Water from the City of Snoqualmie under this agreement, does hereby agree to the following terms and conditions for the use of Class "A" Reclaimed Water:

1. Use and Location of Reclaimed Water

a. Location of Use(s): _____ Use: Irrigation

2. Quantity of Reclaimed Water:

a. Maximum Quantity: The following values are estimates based on water needs requirements and does not reflect treatment plant production capacity. Therefore, the quantities of water designated in the table below will be reduced as needed by a percentage as determined by treatment plant staff to balance production with consumption.

	Normal Irrigation	Extended Periods of Warm Weather	Several Days of Very Hot Weather (over 90 F)
Average Irrigation Rate in/day	0.15	0.2	0.25
Areas Irrigated	Tees, Greens, fairways, Immediate Rough, Fringe Areas (daily)	Tees, Greens, Fairways, Immediate Rough, Fringe Areas (skip day)	Tees, Greens, Fairways, Immediate Rough
Estimated Acreage	180	153	125
Net Irrigation Required mgd	0.73	0.83	0.85

	Average Lawn Irrigation Rate in/day	Average Groundcover Irrigation Rate in/day	
	0.256	0.204	
Irrigation Use	Lawn Acreage	Groundcover Acreage	Net Irrigation Requirements
Arterials/Parks/BP	72.4	12.2	0.57

3. **Rates and Fees for Reclaimed Water:** Customer shall pay all sums billed for Class A Reclaimed Water according to the rates as established by ordinance, as the same now exist or may be hereafter amended, All provisions of city and state law relating to liens for water service shall apply to Class A Reclaimed Water provided to Customer.

4. **Restrictions on Use:** Class A Reclaimed Water provided under this Service Agreement shall not be used in any place or manner except as specified in the "Location of Use(s)" and "Intended Use" designation above.

- a. For any irrigation use of reclaimed water, the maximum hydraulic loading rate of reclaimed water shall be determined based on a detailed water balance analysis. The calculated loading rate(s) and the parameters and methods used to determine the loading rate(s) shall be submitted to the Washington Department of Ecology for approval. The determined appropriate loading rate may be greater than the quantity of reclaimed water produced and shall thus be reduced by a percentage as determined by treatment plant staff to balance consumption with production.
- b. There shall be no run-off of reclaimed water applied to land by spray irrigation to any surface waters of the state or to any land not authorized by approved use agreement.
- c. There shall be no application of reclaimed water for irrigation purposes when the ground is saturated or frozen.
- d. The reclaimed water shall not be applied to the irrigation lands in quantities that:
 - i. Significantly reduce or destroy the long-term infiltration rate of the soil.
 - ii. Cause long-term anaerobic conditions in the soil.
 - iii. Cause ponding of reclaimed water and produce objectionable odors or support insects or vectors.
 - iv. Cause leaching losses of constituents of concern beyond the treatment zone or in excess of the approved design. Constituents of concern are constituents in the reclaimed water, partial decomposition products, or soil constituents that would alter grounds water quality in amounts that would affect current and future beneficial uses.

5. **City's Obligation:** The City is not by this Agreement warranting or guaranteeing the availability to Customers of any specific quantity of Class A Reclaimed Water, and the City's obligation hereunder is only to provide such quantity of Class A Reclaimed Water as may be available from the normal operation of the wastewater treatment plant. The City may impose conservation measures on a uniform basis among all customers when the supply of Class A water is not

sufficient to meet all irrigation demands of customers of the Municipal Irrigation System as a whole. The City shall have no liability whatsoever to Customer for its inability to provide Class A Reclaimed Water for any reason.

- 6. **Amendment:** This Agreement may be unilaterally amended at any time by the City if required for compliance with any applicable state or federal laws or regulations. Other amendments shall only be effective upon written approval.
- 7. **Interruption or Change of Supply:** In case of emergency repairs or other necessary work, or whenever the public health or safety so demands, the City of Snoqualmie may change, reduce or limit the time for, or temporarily discontinue the use of, Class A Reclaimed Water. The City of Snoqualmie shall not be responsible for any damage resulting from interruption or change of the Class A Reclaimed Water supply, or for any damage incurred by the End User arising out of the use or transportation of the Class A Reclaimed Water.
- 8. **Disclaimer, Indemnity, and Hold Harmless:** The End User shall hold harmless, indemnify, and defend the City from any claims, suits, actions, losses, penalties, judgments, awards for damages of any kind arising out of, or in connection with, the use or distribution of Class A Reclaimed Water provided under this Service Agreement.
- 9. **Termination of Service:** This agreement shall have a term of one year, and shall automatically be renewed from year to year unless terminated pursuant to this Section. Class A Reclaimed Water service may be terminated, without cause, upon thirty (30) days written notice by the City. Class A Reclaimed Water service may be terminated upon 24 hours written notice by the City if the City believes a violation of the Use Requirements has occurred.
- 10. **Noncompliance Notification:** In the event the End User is unable to comply with any of the terms and conditions of this service agreement due to any cause, the End User shall:
 - a. Immediately take action to stop the noncompliance and correct the problem.
 - b. Immediately notify the Department of Health at 509-456-2466, Ecology at 425-649-7000, and City of Snoqualmie at 425-888-4153 of the failure to comply.
- 11. **Compliance with Laws Governing Reclaimed Water:**
 - a. The City agrees that it will comply with all applicable federal, state, and local laws, regulations and standards governing the generation and delivery of Class A Reclaimed Water.
 - b. The End User's use of Class A Reclaimed Water will meet all applicable requirements contained in the *Water Reclamation and Reuse Standards*, issued by the Washington State Departments of Health and Ecology, and *Ordinance No. 857 § 2, 2000, Title 13 of the Snoqualmie Municipal Code*, including those listed in this agreement, as amended from time to time, or contained in any successor standards or ordinances.
 - c. Representatives of the City of Snoqualmie and Washington State Departments of Ecology and Health shall be granted access to any facilities or service locations for purposes of inspection and compliance with local and state regulations governing the use of Class A Reclaimed Water and compliance with this Service Agreement. End User shall permit access at reasonable times and upon reasonably advance notice, except in cases of emergency.
 - d. Violating any portion of the **CLASS "A" RECLAIMED WATER SERVICE AGREEMENT** or of State standards will result in immediate termination of the water supply to the site upon discovery by the city subject to documentation and notification on site by cities agent.

I, the undersigned, do hereby affirm that I have the legal authority to enter into this Agreement for the Class A Reclaimed Water service on behalf of the End User identified above, and I have read the terms and conditions specified in this Agreement and references herein, and that the End User identified above agree to and shall be bound by said terms and conditions for the use of such water as specified in this Agreement and the references herein:

[Company Name]

By: Amy M. Atchison Amy M. Atchison 7-27-07
Signature Printed Name Date

Approved:

By _____
City of Snoqualmie

CLASS A RECLAIMED WATER DEFINITIONS AND USE REQUIREMENTS

DEFINITION

"*Class A Reclaimed Water*" means reclaimed water that meets State Class A Reclaimed Water criteria established in the Washington State Water Reclamation and Reuse Standards (Standards), as they may be amended from time to time. "Reclaimed water" has the same meaning as provided in RCW 90.46.010(4) of the Reclaimed Water Act, as it may be amended from time to time.

"*Department*" means Washington State Department of Ecology and/or Health.

"*Class A Reclaimed Water*" means reclaimed water that, at a minimum, is at all times an oxidized, coagulated, filtered, disinfected wastewater. The wastewater shall be considered adequately disinfected if the median number of total coliform organisms in the wastewater after disinfection does not exceed 2.2 per 100 milliliters, as determined from the bacteriological results of the last 7 days for which analyses have been completed, and the number of total coliform organisms does not exceed 23 per 100 milliliters in any sample.

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CHANGES IN ALLOWABLE USES

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1. The public and employees shall be notified of the use of reclaimed water at all use areas. This shall be accomplished by the posting of advisory signs at use areas, notices on scorecards, distribution of written notices to residents or employees, or by other methods.
2. Adequate measures shall be taken to prevent unplanned ponding of reclaimed water.
3. Except as approved by the Washington Departments of Health and Ecology, reclaimed water, including runoff and spray, shall be confined to the designated and approved use area in accordance with the state discharge permit.
4. Precautions shall be taken to assure that reclaimed water will not be sprayed on people or any facility or area not designated for reuse, including but not limited to buildings, passing vehicles, and drinking water fountains.
5. Maximum attainable separation between reclaimed water lines and potable water lines shall be practiced. A minimum horizontal separation of 10 feet shall be maintained between reclaimed water lines and potable water lines. When crossing, a minimum vertical separation of 18 inches shall be maintained between reclaimed water lines and potable water lines in accordance with the Orange Book *Criteria for Sewage Works Design*, Washington Department of Ecology, and the potable water line shall be above the reclaimed water line unless otherwise approved by the Washington Departments of Health and Ecology.
6. All reclaimed water valves, storage facilities, and outlets shall be tagged or labeled to warn the public or employees that the water is not intended for drinking. The signage or advisory notification shall be colored purple with white or black lettering. Signs or notification should read "Reclaimed Water do Not Drink" or other advisory or educational language acceptable to the Washington Departments of Health or Ecology. Where appropriate (depending on the level of reclaimed water treatment), such warning shall inform the public or employees to avoid contact with the water.
7. All reclaimed water piping, valves, outlets, and other appurtenances shall be colorcoded purple, taped purple, or otherwise marked to identify the source of the water as being reclaimed water.
 - a. All reclaimed water piping and appurtenances shall be either colored purple and embossed or integrally stamped or marked "CAUTION: RECLAIMED WATER - DO NOT DRINK" or be installed with a purple identification tape or polyethylene vinyl wrap. The warning shall be stamped on opposite sides of the pipe and repeated every three feet or less.
 - b. Identification tape shall be at least three inches wide and have white or black lettering on a purple field stating "CAUTION: RECLAIMED WATER - DO NOT DRINK." Identification tape shall be installed on top of reclaimed water pipelines, fastened at least every ten feet to each pipe length, and run continuously the entire length of the pipe
8. Service shall be terminated within 24 hours of written notice of any use violations under item 2 through 7 of the General Use and Use Area Requirements.
9. All reclaimed water valves and outlets shall be of a type, or secured in a manner, that permits operation only by authorized personnel.

10. Except as authorized by the Washington Departments of Health and Ecology, hose bibs on reclaimed water lines are prohibited.
11. For any irrigation use of reclaimed water, the hydraulic loading rate of reclaimed water shall be determined based on a detailed water balance analysis. The calculated loading rate(s) and the parameters and methods used to determine the loading rate(s) shall be submitted to the Washington Departments of Health and Ecology for approval.
12. There shall be no application of reclaimed water for irrigation purposes when the ground is saturated or frozen.
13. Adequate measures shall be taken to prevent the breeding of vectors of health significance and the creation of odors, slimes, or aesthetically displeasing deposits.
14. Reclaimed water impoundments and storage ponds shall not result in contamination of groundwater that is used as, or suitable to be used as, a source of water supply for domestic purposes. Reclaimed water impoundments and storage ponds that are not lined or sealed to prevent seepage are acceptable if it is demonstrated to the satisfaction of the Washington Departments of Health and Ecology that such contamination will not occur.
15. A groundwater monitoring program may be required by the Washington Departments of Health and Ecology. Where required, the groundwater monitoring program shall be established by the permittee and approved by the Washington Departments of Health and Ecology. The monitoring program shall be based on reclaimed water quality and quantity, site specific soil and hydrogeology characteristics, and other considerations.
16. Tank trucks and other equipment used to distribute reclaimed water shall be clearly identified with advisory signs.
17. Tank trucks used to transport reclaimed water shall not be used to transport potable water that is used for drinking or other potable purposes.
18. Tank trucks used to transport reclaimed water shall not be filled through on-board piping or hoses that may subsequently be used to fill tanks with water from a potable water supply.
19. Tank trucks used to transport reclaimed water shall be inspected and approved for such use, by the water supplier which provides potable water to the use area, prior to transporting reclaimed water.
20. There shall be no cross-connections between the reclaimed water and potable water systems. The permittee or person(s) who distributes reclaimed water or owns or otherwise maintains control over the use area shall coordinate with the water supplier which provides potable water to the use area to establish and obtain approval from the Washington Department of Health for a cross-connection control and inspection program pursuant to WAC 246-290-490.
21. Where both reclaimed water and potable water are supplied to a reclaimed water use area, a reduced pressure principle backflow prevention device or an approved air gap separation shall be installed at the potable water service connection to the use area.
22. Where potable water is used to supplement a reclaimed water system, there shall be an air gap separation, approved and regularly inspected by the potable water supplier, between the potable water and reclaimed water.
23. Reclaimed water shall not enter a dwelling unit or a building containing a dwelling unit except as allowed in Article 4, Sections 10 and 11 of the Standards.
24. There shall be a minimum of 50 feet between any reclaimed water pipeline and potable water supply well.
25. Where reclaimed water is used for spray or surface irrigation, there shall be a minimum of 50 feet between the area subject to irrigation and any potable water supply well.
26. Where reclaimed water is used for an impoundment or storage pond or wetland that is not lined or sealed to prevent measurable seepage, there shall be a minimum of 500 feet between the perimeter of the impoundment or wetland and any potable water supply well.
27. Where reclaimed water is used for an impoundment or storage pond or wetland that is lined or sealed to prevent measurable seepage, there shall be a minimum of 100 feet between the perimeter of the impoundment or wetland and any potable water supply well.
28. The "Contact Person" designated on the front of this agreement shall ensure that all personnel using reclaimed water complete training in requirements for appropriate use of the Class A Reclaimed Water. This training requirement may be met by: 1) familiarizing them with the terms of this service agreement, and 2) providing written materials provided by the City of Snoqualmie Reclamation Plant and discussing them with the employee(s).
29. Irrigation users must ensure that their irrigation systems are in good working order, maintained regularly and kept free of leaks, and are set so that reclaimed water is applied appropriately to the landscape, to avoid excessive puddling or runoff. Sprinkler heads should be adjusted regularly to avoid application of water to impervious surfaces.
30. At all times, the distribution system(s) and use area(s) shall be maintained to ensure that all equipment is kept in a reliable operating condition.

REFERENCES

"Standards" – *Water Reclamation and Reuse Standards*, Washington State Department of Health and Washington State Department of Ecology, September 1997, and future amendments.

"Permit" -- *NPDES Permit Number WA-002240-3*, State of Washington Department of Ecology, issued City of Snoqualmie, December 20, 2002, and future amendments and renewals as issued.

CLASS "A" RECLAIMED WATER SERVICE AGREEMENT



END USER: Snoqualmie Ridge ROA (and Joint Committee)
CONTACT PERSON: **PHONE NO.: 425 396-5432**
ADDRESS: 35131 SE Douglas Street, Suite #114
Snoqualmie, WA 98065

RECEIVED
 JUL 31 2007
 CITY OF SNOQUALMIE
 PUBLIC WORKS

TERMS & CONDITIONS OF SERVICE

The End User identified in this agreement, in receiving Class A Reclaimed Water from the City of Snoqualmie under this agreement, does hereby agree to the following terms and conditions for the use of Class "A" Reclaimed Water:

1. Use and Location of Reclaimed Water

a. Location of Use(s): Use: Irrigation

2. Quantity of Reclaimed Water:

a. Maximum Quantity: The following values are estimates based on water needs requirements and does not reflect treatment plant production capacity. Therefore, the quantities of water designated in the table below will be reduced as needed by a percentage as determined by treatment plant staff to balance production with consumption.

	Normal Irrigation	Extended Periods of Warm Weather	Several Days of Very Hot Weather (over 90 F)
Average Irrigation Rate in/day	0.15	0.2	0.25
Areas Irrigated	Tees, Greens, fairways, Immediate Rough, Fringe Areas (daily)	Tees, Greens, Fairways, Immediate Rough, Fringe Areas (skip day)	Tees, Greens, Fairways, Immediate Rough
Estimated Acreage	180	153	125
Net Irrigation Required mgd	0.73	0.83	0.85

	Average Lawn Irrigation Rate in/day	Average Groundcover Irrigation Rate in/day	
	0.256	0.204	
Irrigation Use	Lawn Acreage	Groundcover Acreage	Net Irrigation Requirements
Arterials/Parks/BP	72.4	12.2	0.57

3. **Rates and Fees for Reclaimed Water:** Customer shall pay all sums billed for Class A Reclaimed Water according to the rates as established by ordinance, as the same now exist or may be hereafter amended. All provisions of city and state law relating to liens for water service shall apply to Class A Reclaimed Water provided to Customer.

4. **Restrictions on Use:** Class A Reclaimed Water provided under this Service Agreement shall not be used in any place or manner except as specified in the "Location of Use(s)" and "Intended Use" designation above.

- a. For any irrigation use of reclaimed water, the maximum hydraulic loading rate of reclaimed water shall be determined based on a detailed water balance analysis. The calculated loading rate(s) and the parameters and methods used to determine the loading rate(s) shall be submitted to the Washington Department of Ecology for approval. The determined appropriate loading rate may be greater than the quantity of reclaimed water produced and shall thus be reduced by a percentage as determined by treatment plant staff to balance consumption with production.
- b. There shall be no run-off of reclaimed water applied to land by spray irrigation to any surface waters of the state or to any land not authorized by approved use agreement.
- c. There shall be no application of reclaimed water for irrigation purposes when the ground is saturated or frozen.
- d. The reclaimed water shall not be applied to the irrigation lands in quantities that:
 - i. Significantly reduce or destroy the long-term infiltration rate of the soil.
 - ii. Cause long-term anaerobic conditions in the soil.
 - iii. Cause ponding of reclaimed water and produce objectionable odors or support insects or vectors.
 - iv. Cause leaching losses of constituents of concern beyond the treatment zone or in excess of the approved design. Constituents of concern are constituents in the reclaimed water, partial decomposition products, or soil constituents that would alter grounds water quality in amounts that would affect current and future beneficial uses.

5. **City's Obligation:** The City is not by this Agreement warranting or guaranteeing the availability to Customers of any specific quantity of Class A Reclaimed Water, and the City's obligation hereunder is only to provide such quantity of Class A Reclaimed Water as may be available from the normal operation of the wastewater treatment plant. The City may impose conservation measures on a uniform basis among all customers when the supply of Class A water is not

sufficient to meet all irrigation demands of customers of the Municipal Irrigation System as a whole. The City shall have no liability whatsoever to Customer for its inability to provide Class A Reclaimed Water for any reason.

- 6. **Amendment:** This Agreement may be unilaterally amended at any time by the City if required for compliance with any applicable state or federal laws or regulations. Other amendments shall only be effective upon written approval.
- 7. **Interruption or Change of Supply:** In case of emergency repairs or other necessary work, or whenever the public health or safety so demands, the City of Snoqualmie may change, reduce or limit the time for, or temporarily discontinue the use of, Class A Reclaimed Water. The City of Snoqualmie shall not be responsible for any damage resulting from interruption or change of the Class A Reclaimed Water supply, or for any damage incurred by the End User arising out of the use or transportation of the Class A Reclaimed Water.
- 8. **Disclaimer, Indemnity, and Hold Harmless:** The End User shall hold harmless, indemnify, and defend the City from any claims, suits, actions, losses, penalties, judgments, awards for damages of any kind arising out of, or in connection with, the use or distribution of Class A Reclaimed Water provided under this Service Agreement.
- 9. **Termination of Service:** This agreement shall have a term of one year, and shall automatically be renewed from year to year unless terminated pursuant to this Section. Class A Reclaimed Water service may be terminated, without cause, upon thirty (30) days written notice by the City. Class A Reclaimed Water service may be terminated upon 24 hours written notice by the City if the City believes a violation of the Use Requirements has occurred.
- 10. **Noncompliance Notification:** In the event the End User is unable to comply with any of the terms and conditions of this service agreement due to any cause, the End User shall:
 - a. Immediately take action to stop the noncompliance and correct the problem.
 - b. Immediately notify the Department of Health at 509-456-2466, Ecology at 425-649-7000, and City of Snoqualmie at 425-888-4153 of the failure to comply.
- 11. **Compliance with Laws Governing Reclaimed Water:**
 - a. The City agrees that it will comply with all applicable federal, state, and local laws, regulations and standards governing the generation and delivery of Class A Reclaimed Water.
 - b. The End User's use of Class A Reclaimed Water will meet all applicable requirements contained in the *Water Reclamation and Reuse Standards*, issued by the Washington State Departments of Health and Ecology, and *Ordinance No. 857 § 2, 2000, Title 13 of the Snoqualmie Municipal Code*, including those listed in this agreement, as amended from time to time, or contained in any successor standards or ordinances.
 - c. Representatives of the City of Snoqualmie and Washington State Departments of Ecology and Health shall be granted access to any facilities or service locations for purposes of inspection and compliance with local and state regulations governing the use of Class A Reclaimed Water and compliance with this Service Agreement. End User shall permit access at reasonable times and upon reasonable advance notice, except in cases of emergency.
 - d. Violating any portion of the **CLASS "A" RECLAIMED WATER SERVICE AGREEMENT** or of State standards will result in immediate termination of the water supply to the site upon discovery by the city subject to documentation and notification on site by cities agent.

I, the undersigned, do hereby affirm that I have the legal authority to enter into this Agreement for the Class A Reclaimed Water service on behalf of the End User identified above, and I have read the terms and conditions specified in this Agreement and references herein, and that the End User identified above agree to and shall be bound by said terms and conditions for the use of such water as specified in this Agreement and the references herein:

[Company Name]

By: *Cindy M. Atchison* *Amy M. Atchison* *7-27-07*
Signature Printed Name Date

Approved:

By _____
City of Snoqualmie

CLASS A RECLAIMED WATER DEFINITIONS AND USE REQUIREMENTS

DEFINITION

"*Class A Reclaimed Water*" means reclaimed water that meets State Class A Reclaimed Water criteria established in the Washington State Water Reclamation and Reuse Standards (Standards), as they may be amended from time to time. "Reclaimed water" has the same meaning as provided in RCW 90.46.010(4) of the Reclaimed Water Act, as it may be amended from time to time.

"*Department*" means Washington State Department of Ecology and/or Health.

"*Class A Reclaimed Water*" means reclaimed water that, at a minimum, is at all times an oxidized, coagulated, filtered, disinfected wastewater. The wastewater shall be considered adequately disinfected if the median number of total coliform organisms in the wastewater after disinfection does not exceed 2.2 per 100 milliliters, as determined from the bacteriological results of the last 7 days for which analyses have been completed, and the number of total coliform organisms does not exceed 23 per 100 milliliters in any sample.

"*Department*" means Washington State Department of Ecology and/or Health.

"*Reclaimed Water*" means effluent derived in any part from sewage from a wastewater treatment system that has been adequately and reliably treated, so that as a result of that treatment, it is suitable for a beneficial use or a controlled use that would not otherwise occur and is no longer considered wastewater.

"*Review agencies*" means Washington State Department of Ecology and/or Health.

CHANGES IN ALLOWABLE USES

Class A Reclaimed Water may be used only for the purposes specified and at the service location(s) identified in this Service Agreement. Any extension or change in use and/or in location of use must be specifically approved by an Amendment to this Service Agreement.

GENERAL USE AND USE AREA REQUIREMENTS

1. The public and employees shall be notified of the use of reclaimed water at all use areas. This shall be accomplished by the posting of advisory signs at use areas, notices on scorecards, distribution of written notices to residents or employees, or by other methods.
2. Adequate measures shall be taken to prevent unplanned ponding of reclaimed water.
3. Except as approved by the Washington Departments of Health and Ecology, reclaimed water, including runoff and spray, shall be confined to the designated and approved use area in accordance with the state discharge permit.
4. Precautions shall be taken to assure that reclaimed water will not be sprayed on people or any facility or area not designated for reuse, including but not limited to buildings, passing vehicles, and drinking water fountains.
5. Maximum attainable separation between reclaimed water lines and potable water lines shall be practiced. A minimum horizontal separation of 10 feet shall be maintained between reclaimed water lines and potable water lines. When crossing, a minimum vertical separation of 18 inches shall be maintained between reclaimed water lines and potable water lines in accordance with the Orange Book *Criteria for Sewage Works Design*, Washington Department of Ecology, and the potable water line shall be above the reclaimed water line unless otherwise approved by the Washington Departments of Health and Ecology.
6. All reclaimed water valves, storage facilities, and outlets shall be tagged or labeled to warn the public or employees that the water is not intended for drinking. The signage or advisory notification shall be colored purple with white or black lettering. Signs or notification should read "Reclaimed Water do Not Drink" or other advisory or educational language acceptable to the Washington Departments of Health or Ecology. Where appropriate (depending on the level of reclaimed water treatment), such warning shall inform the public or employees to avoid contact with the water.
7. All reclaimed water piping, valves, outlets, and other appurtenances shall be colorcoded purple, taped purple, or otherwise marked to identify the source of the water as being reclaimed water.
 - a. All reclaimed water piping and appurtenances shall be either colored purple and embossed or integrally stamped or marked "CAUTION: RECLAIMED WATER - DO NOT DRINK" or be installed with a purple identification tape or polyethylene vinyl wrap. The warning shall be stamped on opposite sides of the pipe and repeated every three feet or less.
 - b. Identification tape shall be at least three inches wide and have white or black lettering on a purple field stating "CAUTION: RECLAIMED WATER - DO NOT DRINK." Identification tape shall be installed on top of reclaimed water pipelines, fastened at least every ten feet to each pipe length, and run continuously the entire length of the pipe
8. Service shall be terminated within 24 hours of written notice of any use violations under item 2 through 7 of the General Use and Use Area Requirements.
9. All reclaimed water valves and outlets shall be of a type, or secured in a manner, that permits operation only by authorized personnel.

10. Except as authorized by the Washington Departments of Health and Ecology, hose bibs on reclaimed water lines are prohibited.
11. For any irrigation use of reclaimed water, the hydraulic loading rate of reclaimed water shall be determined based on a detailed water balance analysis. The calculated loading rate(s) and the parameters and methods used to determine the loading rate(s) shall be submitted to the Washington Departments of Health and Ecology for approval.
12. There shall be no application of reclaimed water for irrigation purposes when the ground is saturated or frozen.
13. Adequate measures shall be taken to prevent the breeding of vectors of health significance and the creation of odors, slimes, or aesthetically displeasing deposits.
14. Reclaimed water impoundments and storage ponds shall not result in contamination of groundwater that is used as, or suitable to be used as, a source of water supply for domestic purposes. Reclaimed water impoundments and storage ponds that are not lined or sealed to prevent seepage are acceptable if it is demonstrated to the satisfaction of the Washington Departments of Health and Ecology that such contamination will not occur.
15. A groundwater monitoring program may be required by the Washington Departments of Health and Ecology. Where required, the groundwater monitoring program shall be established by the permittee and approved by the Washington Departments of Health and Ecology. The monitoring program shall be based on reclaimed water quality and quantity, site specific soil and hydrogeology characteristics, and other considerations.
16. Tank trucks and other equipment used to distribute reclaimed water shall be clearly identified with advisory signs.
17. Tank trucks used to transport reclaimed water shall not be used to transport potable water that is used for drinking or other potable purposes.
18. Tank trucks used to transport reclaimed water shall not be filled through on-board piping or hoses that may subsequently be used to fill tanks with water from a potable water supply.
19. Tank trucks used to transport reclaimed water shall be inspected and approved for such use, by the water supplier which provides potable water to the use area, prior to transporting reclaimed water.
20. There shall be no cross-connections between the reclaimed water and potable water systems. The permittee or person(s) who distributes reclaimed water or owns or otherwise maintains control over the use area shall coordinate with the water supplier which provides potable water to the use area to establish and obtain approval from the Washington Department of Health for a cross-connection control and inspection program pursuant to WAC 246-290-490.
21. Where both reclaimed water and potable water are supplied to a reclaimed water use area, a reduced pressure principle backflow prevention device or an approved air gap separation shall be installed at the potable water service connection to the use area.
22. Where potable water is used to supplement a reclaimed water system, there shall be an air gap separation, approved and regularly inspected by the potable water supplier, between the potable water and reclaimed water.
23. Reclaimed water shall not enter a dwelling unit or a building containing a dwelling unit except as allowed in Article 4, Sections 10 and 11 of the Standards.
24. There shall be a minimum of 50 feet between any reclaimed water pipeline and potable water supply well.
25. Where reclaimed water is used for spray or surface irrigation, there shall be a minimum of 50 feet between the area subject to irrigation and any potable water supply well.
26. Where reclaimed water is used for an impoundment or storage pond or wetland that is not lined or sealed to prevent measurable seepage, there shall be a minimum of 500 feet between the perimeter of the impoundment or wetland and any potable water supply well.
27. Where reclaimed water is used for an impoundment or storage pond or wetland that is lined or sealed to prevent measurable seepage, there shall be a minimum of 100 feet between the perimeter of the impoundment or wetland and any potable water supply well.
28. The "Contact Person" designated on the front of this agreement shall ensure that all personnel using reclaimed water complete training in requirements for appropriate use of the Class A Reclaimed Water. This training requirement may be met by: 1) familiarizing them with the terms of this service agreement, and 2) providing written materials provided by the City of Snoqualmie Reclamation Plant and discussing them with the employee(s).
29. Irrigation users must ensure that their irrigation systems are in good working order, maintained regularly and kept free of leaks, and are set so that reclaimed water is applied appropriately to the landscape, to avoid excessive puddling or runoff. Sprinkler heads should be adjusted regularly to avoid application of water to impervious services.
30. At all times, the distribution system(s) and use area(s) shall be maintained to ensure that all equipment is kept in a reliable operating condition.

REFERENCES

"Standards" – *Water Reclamation and Reuse Standards*, Washington State Department of Health and Washington State Department of Ecology, September 1997, and future amendments.

"Permit" -- *NPDES Permit Number WA-002240-3*, State of Washington Department of Ecology, issued City of Snoqualmie, December 20, 2002, and future amendments and renewals as issued.

CLASS "A" RECLAIMED WATER SERVICE AGREEMENT



END USER: City of Snoqualmie – Public Works Department
CONTACT PERSON: Kirk Holmes
ADDRESS: (Po Box 987, Snoqualmie, WA 98065)

PHONE NO.: (425) 831-4919

RECEIVED

JUN 25 2007

TERMS & CONDITIONS OF SERVICE

The End User identified in this agreement, in receiving Class A Reclaimed Water from the City of Snoqualmie under this agreement, does hereby agree to the following terms and conditions for the use of Class "A" Reclaimed Water.

1. Use and Location of Reclaimed Water

- a. Location of Use(s): **Snoqualmie Parkway median and swales** Use: Irrigation

2. Quantity of Reclaimed Water:

- a. Maximum Quantity: The following values are estimates based on water needs requirements and does not reflect treatment plant production capacity. Therefore, the quantities of water designated in the table below will be reduced as needed by a percentage as determined by treatment plant staff to balance production with consumption.

	Normal Irrigation	Extended Periods of Warm Weather	Several Days of Very Hot Weather (over 90 F)
Average Irrigation Rate in/day	0.15	0.2	0.25
Areas Irrigated	Tees, Greens, fairways, Immediate Rough, Fringe Areas (daily)	Tees, Greens, Fairways, Immediate Rough, Fringe Areas (skip day)	Tees, Greens, Fairways, Immediate Rough
Estimated Acreage	180	153	125
Net Irrigation Required mgd	0.73	0.83	0.85

	Average Lawn Irrigation Rate in/day	Average Groundcover Irrigation Rate in/day	
	0.256	0.204	
Irrigation Use	Lawn Acreage	Groundcover Acreage	Net Irrigation Requirements
Arterials/Parks/BP	72.4	12.2	0.57

- 3. **Rates and Fees for Reclaimed Water:** Customer shall pay all sums billed for Class A Reclaimed Water according to the rates as established by ordinance, as the same now exist or may be hereafter amended, All provisions of city and state law relating to liens for water service shall apply to Class A Reclaimed Water provided to Customer.

- 4. **Restrictions on Use:** Class A Reclaimed Water provided under this Service Agreement shall not be used in any place or manner except as specified in the "Location of Use(s)" and "Intended Use" designation above.

- a. For any irrigation use of reclaimed water, the maximum hydraulic loading rate of reclaimed water shall be determined based on a detailed water balance analysis. The calculated loading rate(s) and the parameters and methods used to determine the loading rate(s) shall be submitted to the Washington Department of Ecology for approval. The determined appropriate loading rate may be greater than the quantity of reclaimed water produced and shall thus be reduced by a percentage as determined by treatment plant staff to balance consumption with production.
- b. There shall be no run-off of reclaimed water applied to land by spray irrigation to any surface waters of the state or to any land not authorized by approved use agreement.
- c. There shall be no application of reclaimed water for irrigation purposes when the ground is saturated or frozen.
- d. The reclaimed water shall not be applied to the irrigation lands in quantities that:
 - i. Significantly reduce or destroy the long-term infiltration rate of the soil.
 - ii. Cause long-term anaerobic conditions in the soil.
 - iii. Cause ponding of reclaimed water and produce objectionable odors or support insects or vectors.
 - iv. Cause leaching losses of constituents of concern beyond the treatment zone or in excess of the approved design. Constituents of concern are constituents in the reclaimed water, partial decomposition products, or soil constituents that would alter grounds water quality in amounts that would affect current and future beneficial uses.

- 5. **City's Obligation:** The City is not by this Agreement warranting or guaranteeing the availability to Customers of any specific quantity of Class A Reclaimed Water, and the City's obligation hereunder is only to provide such quantity of Class A Reclaimed Water as may be available from the normal operation of the wastewater treatment plant. The City may impose conservation measures on a uniform basis among all customers when the supply of Class A water is not

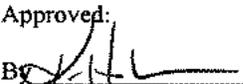
sufficient to meet all irrigation demands of customers of the Municipal Irrigation System as a whole. The City shall have no liability whatsoever to Customer for its inability to provide Class A Reclaimed Water for any reason.

- 6. **Amendment:** This Agreement may be unilaterally amended at any time by the City if required for compliance with any applicable state or federal laws or regulations. Other amendments shall only be effective upon written approval.
- 7. **Interruption or Change of Supply:** In case of emergency repairs or other necessary work, or whenever the public health or safety so demands, the City of Snoqualmie may change, reduce or limit the time for, or temporarily discontinue the use of, Class A Reclaimed Water. The City of Snoqualmie shall not be responsible for any damage resulting from interruption or change of the Class A Reclaimed Water supply, or for any damage incurred by the End User arising out of the use or transportation of the Class A Reclaimed Water.
- 8. **Disclaimer, Indemnity, and Hold Harmless:** The End User shall hold harmless, indemnify, and defend the City from any claims, suits, actions, losses, penalties, judgments, awards for damages of any kind arising out of, or in connection with, the use or distribution of Class A Reclaimed Water provided under this Service Agreement.
- 9. **Termination of Service:** This agreement shall have a term of one year, and shall automatically be renewed from year to year unless terminated pursuant to this Section. Class A Reclaimed Water service may be terminated, without cause, upon thirty (30) days written notice by the City. Class A Reclaimed Water service may be terminated upon 24 hours written notice by the City if the City believes a violation of the Use Requirements has occurred.
- 10. **Noncompliance Notification:** In the event the End User is unable to comply with any of the terms and conditions of this service agreement due to any cause, the End User shall:
 - a. Immediately take action to stop the noncompliance and correct the problem.
 - b. Immediately notify the Department of Health at 509-456-2466, Ecology at 425-649-7000, and City of Snoqualmie at 425-888-4153 of the failure to comply.
- 11. **Compliance with Laws Governing Reclaimed Water:**
 - a. The City agrees that it will comply with all applicable federal, state, and local laws, regulations and standards governing the generation and delivery of Class A Reclaimed Water.
 - b. The End User's use of Class A Reclaimed Water will meet all applicable requirements contained in the *Water Reclamation and Reuse Standards*, issued by the Washington State Departments of Health and Ecology, and *Ordinance No. 857 § 2, 2000, Title 13 of the Snoqualmie Municipal Code*, including those listed in this agreement, as amended from time to time, or contained in any successor standards or ordinances.
 - c. Representatives of the City of Snoqualmie and Washington State Departments of Ecology and Health shall be granted access to any facilities or service locations for purposes of inspection and compliance with local and state regulations governing the use of Class A Reclaimed Water and compliance with this Service Agreement. End User shall permit access at reasonable times and upon reasonable advance notice, except in cases of emergency.
 - d. Violating any portion of the **CLASS "A" RECLAIMED WATER SERVICE AGREEMENT** or of State standards will result in immediate termination of the water supply to the site upon discovery by the city subject to documentation and notification on site by cities agent.

I, the undersigned, do hereby affirm that I have the legal authority to enter into this Agreement for the Class A Reclaimed Water service on behalf of the End User identified above, and I have read the terms and conditions specified in this Agreement and references herein, and that the End User identified above agree to and shall be bound by said terms and conditions for the use of such water as specified in this Agreement and the references herein:

[Company Name]

By  Kirk Holmes 6-25-07
 Signature Printed Name Date

Approved:

 City of Snoqualmie

CLASS A RECLAIMED WATER DEFINITIONS AND USE REQUIREMENTS

DEFINITION

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