

Issuance Date: December 29, 2008  
Effective Date: January 1, 2009  
Expiration Date: December 29, 2013

## RECLAIMED WATER PERMIT NUMBER ST-7450

STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY  
Northwest Regional Office  
3190 160<sup>th</sup> Avenue SE  
Bellevue, WA 98008-5452

In compliance with the provisions of the State of Washington Reclaimed Water Act, Chapter 90.46 Revised Code of Washington, and the Water Pollution Control Law Chapter 90.48 Revised Code of Washington, as amended, and

STATE OF WASHINGTON  
DEPARTMENT OF HEALTH  
Water Reclamation and Reuse Program  
Division of Drinking Water  
1500 West 4<sup>th</sup> Avenue  
Spokane, WA 99204

in compliance with the provisions of  
Chapter 90.46 and 43.70 Revised Code of Washington, as amended,  
authorizes

**Carnation Treatment Plant**  
King County Wastewater Treatment Division  
King Street Center, KSC-NR-0512  
Seattle, Washington 98104-3855

to produce and distribute reclaimed water in accordance with  
the special "R" and general "G" conditions which follow.

<u>Plant Location:</u> 4405 Larson Avenue Carnation, WA	<u>Use Area Locations:</u> Reclaimed Water from King County's Carnation Treatment Plant to Chinook Bend Wetland Enhancement project site		
<u>Treatment Type:</u> Membrane Bioreactor & UV Disinfection	<u>Location:</u> Latitude: 47° 38' 51" N Longitude: -121° 55' 7" W	<u>Facility</u>	<u>Reclaimed Water Use Area</u> 47° 39' 59" N -121° 55' 34" W

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Water Quality Section Manager  
Northwest Regional Office  
Washington State Department of Ecology

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### SUMMARY OF PERMIT REPORT SUBMITTALS

Refer to the Special and General Conditions of this permit for additional submittal requirements.

<b>Permit Section</b>	<b>Submittal</b>	<b>Frequency</b>	<b>First Submittal Date</b>
R3.A	Discharge Monitoring Report (DMR)	Monthly	February 15, 2009
R3.E	Noncompliance Notification	As needed	
R3.F.6	Cross Connection Control Report	As needed	
R4.E	Operations and Maintenance Manual	As needed	
R7.A	Reclaimed Water Use Plan	Annually	March 31, 2009
R7.H	Use Area Agreement	As needed	
G7	Application for permit renewal	1/permit cycle	June 29, 2013

## RECLAIMED WATER CONDITIONS

### R1. WATER QUALITY LIMITS

All reclaimed water distribution and activities authorized by this permit must be consistent with the terms and conditions of this permit. The distribution of reclaimed water containing any of the following constituents more frequently than, or at a concentration in excess of, that authorized by this permit must constitute a violation of the terms and conditions of this permit.

Beginning on the effective date and lasting through the expiration date of this permit, the Permittee is authorized to distribute Class A reclaimed water to the Chinook Bend Wetland Enhancement project site. The production, distribution, and use of reclaimed water must be in compliance with all specific conditions and requirements of the Washington State Water Reclamation and Reuse Standards, 1997, and is subject to the water quality limits listed in Table 1. The Permittee must operate the system to protect the existing and future beneficial uses of the wetlands and the Snoqualmie River.

**Table 1. Reclaimed Water Limits**

Parameter	Average Monthly <sup>a</sup>	Average Weekly <sup>b</sup>
BOD <sub>5</sub>	20 mg/L	30 mg/L
TSS	20 mg/L	30 mg/L
Turbidity	<u>Average Monthly<sup>a</sup></u> 0.2 NTU	<u>Instantaneous Maximum<sup>c</sup></u> 0.5 NTU
Total Coliform	<u>7-day Median<sup>d</sup></u> 2.2 / 100 ml	<u>Sample Maximum<sup>e</sup></u> 23 / 100 ml
pH <sup>f</sup>	Daily minimum is equal to or greater than 6.0 and the daily maximum is less than or equal to 9.0 standard units.	
Residual Chlorine <sup>g</sup>	<u>Average Monthly<sup>a</sup></u> 6.9 µg/L (0.03 lbs/day)	<u>Maximum Daily</u> 18.1 µg/L

<sup>a</sup> Average monthly limits are based on an arithmetic mean of the samples taken during distribution in a calendar month.

<sup>b</sup> Average weekly limits are based on an arithmetic mean of the samples taken during distribution in a calendar week.

<sup>c</sup> The NTU instantaneous max is defined as the value not to be exceeded by a continuous measurement.

<sup>d</sup> The median number of total coliform organisms in the reclaimed water after disinfection does not exceed 2.2 per 100 milliliters, as determined from the bacteriological results of the last 7 days for which reclaimed water was distributed. The 7-day median must include all the analytical results from samples collected the previous 7-days. If there is an even number of values over the 7 days, the largest of the two median values will be used.

<sup>e</sup> The number of total coliform organisms must not exceed 23 per 100 milliliters in any single sample.

<sup>f</sup> Indicates the range of permitted values. The instantaneous max and min pH shall be reported monthly.

<sup>g</sup> This limit applies whenever the Permittee disinfects the reclaimed water or outfall conveyance pipe with chlorine. If no chlorine is used during the monitoring period, enter "no discharge of chlorine" on the DMR. Reclaimed water will be disinfected with UV light. Ecology and Health issued a waiver to the chlorine residual requirement for the conveyance system from the plant to the wetland discharge to protect biota in the wetlands. Chlorine residual limits included in this permit are to address instances where chlorine may be used for disinfection or biological re-growth issues and it is intended that when chlorine is used, the effluent will be discharged to the river outfall.

Class A reclaimed water must at all times be oxidized, coagulated, filtered, and disinfected. This discharge must also meet the seasonal total maximum daily load (TMDL) requirements, listed in Table 2, from August through October.

**Table 2. Seasonal TMDL Limits (August – October)**

Parameter	Average Monthly <sup>a</sup>	Maximum Daily <sup>b</sup>
Biochemical Oxygen Demand (5-day)	12.5 lb/day - TMDL Limit	25 lb/day - TMDL Limit
Total Ammonia (as NH <sub>3</sub> -N)	4.2 lb/day - TMDL Limit	8.4 lb/day - TMDL Limit

<sup>a</sup> The average monthly effluent limits are based on the arithmetic mean of the samples taken during distribution in a given month.

<sup>b</sup> The maximum daily effluent limitation is defined as the highest allowable daily discharge. The daily discharge means the discharge of a pollutant measured during a calendar day.

## **R2. MONITORING REQUIREMENTS**

### **A. Class A Reclaimed Water Monitoring**

The Permittee must:

- a. Monitor influent loadings to the facility as required by NPDES permit number WA-003218-2.
- b. Monitor the reclaimed water for the parameters listed in Table 3.
- c. Collect all samples immediately downstream of the UV disinfection except temperature and chlorine residual.
- d. Monitor temperature and chlorine residual at the outfall valve vault on the discharge line.

### **B. Sampling and Analytical Procedures**

Samples and measurements taken to meet the requirements of this permit must be representative of the volume and nature of the monitored parameters, including representative sampling of any unusual discharge or discharge condition, including upsets and maintenance-related conditions affecting effluent quality. Sampling and analytical methods used to meet the reclaimed water monitoring requirements specified in this permit must conform to the latest revision of the *Guidelines Establishing Test Procedures for the Analysis of Pollutants* contained in 40 CFR Part 136 or to the latest revision of *Standard Methods for the Examination of Water and Wastewater* (APHA), unless otherwise specified in this permit or approved in writing by the Department of Ecology (Ecology).

No groundwater sampling or soil analysis is required under this permit.

**Table 3. Monitoring Schedule**

Parameter	Units	Sample Point	Sampling Frequency	Sample Type
Flow	MGD	Disinfected reclaimed water	Daily	Recording Meters
BOD <sub>5</sub>	mg/L	Disinfected reclaimed water	2/week	24-hr flow weighted composite
TSS	mg/L	Disinfected reclaimed water	2/week	24-hr flow weighted composite
Total Coliform	#/100 mL	Disinfected reclaimed water	Daily	Grab <sup>a</sup>
pH	Standard Units	Disinfected reclaimed water	Continuous	On-line analyzer with recorder
Dissolved Oxygen	mg/L	Disinfected reclaimed water	1/week	Grab <sup>a</sup>
Turbidity <sup>b</sup>	NTU	Membrane effluent	Continuous	On-line analyzer with recorder
Total Nitrogen (as N)	mg/L	Disinfected reclaimed water	Aug – Oct: 1/week Nov - July: 1/month	24-hr composite
Total Phosphorus	mg/L	Disinfected reclaimed water	Aug – Oct: 1/week Nov - July: 1/month	24-hr composite
Total Chlorine Residual <sup>c</sup>	mg/L	Disinfected reclaimed water	Daily	Grab <sup>a</sup>
UV dosage	mJ/cm <sup>2</sup>	Disinfected reclaimed water	Every 30 minutes	On-line analyzer with recorder
Temperature	°C	Disinfected reclaimed water	Every 30 minutes, July 1 <sup>st</sup> thru October 31 <sup>st</sup>	Recording

<sup>a</sup> Grab samples must be taken at the same time daily when wastewater characteristics are the most demanding on the treatment facilities and disinfection processes.

<sup>b</sup> Effluent turbidity analysis must be performed by a continuous recording turbidimeter and must also be read and recorded at least every four hours.

<sup>c</sup> Monitoring for Total Residual Chlorine is required only when disinfecting the reclaimed water or outfall conveyance pipe with chlorine.

### C. Flow Measurement

Appropriate flow measurement devices and methods consistent with accepted scientific practices must be selected and used to ensure the accuracy and reliability of measurements of the quantity of monitored flows. The devices must be installed, calibrated, and maintained to ensure that the accuracy of the measurements is consistent with the accepted industry standard for that type of device. Frequency of calibration must be in conformance with manufacturer's recommendations and at a minimum frequency of at least one calibration per year. Calibration records must be maintained for at least five (5) years.

D. Instrument Calibration

Monitoring devices must be installed, calibrated and maintained to ensure that the accuracy of the measurements is consistent with the accepted industry standard for that type of device. Frequency of calibration must be in conformance with the manufacturer's recommendations. Calibration records must be maintained for at least five (5) years.

The Permittee must also verify the accuracy of the on-line turbidimeters at a minimum frequency of at least once every two weeks in accordance with the manufacturer's procedure.

E. Laboratory Accreditation

All monitoring data required by Ecology must be prepared by a laboratory registered or accredited under the provisions of, *Accreditation of Environmental Laboratories*, Chapter 173-50 WAC. Flow, temperature, and internal process control parameters except those listed in Condition R2 are exempt from this requirement.

**R3. REPORTING AND RECORDKEEPING REQUIREMENTS**

The Permittee must monitor and report in accordance with the following conditions. The falsification of information submitted to Ecology shall constitute a violation of the terms and conditions of this permit.

A. Reporting

The first monitoring period begins on the effective date of the permit. Monitoring results must be submitted monthly when reclaimed water is distributed. Monitoring data obtained during the previous month must be summarized and reported on a form provided, or otherwise approved, by Ecology, and be postmarked or received no later than the 15<sup>th</sup> day of the month following the completed reporting period, unless otherwise specified in this permit. The report(s) must be sent to the following:

1. Department of Ecology  
Permit Coordinator, NWRO  
3190 160<sup>th</sup> Avenue SE  
Bellevue, WA 98008-5452
2. Department of Health, Water Reclamation and Reuse Program  
Division of Drinking Water  
1500 West 4<sup>th</sup> Avenue  
Spokane, WA 99204

Monitoring Report forms must be submitted monthly whether or not reclaimed water was distributed. If reclaimed water was not distributed during a given monitoring period, submit the form as required with the "no reclamation or reuse" box checked.

B. Records Retention

The Permittee must retain records of all monitoring information for a minimum of five (5) years. Such information must include all calibration and maintenance records and all original recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit. During the course of any unresolved litigation regarding the discharge of pollutants by the Permittee or when requested by Ecology, the Permittee must extend this period of retention.

C. Recording of Results

For each measurement or sample taken, the Permittee must record the following information: (1) the date, exact place and time of sampling; (2) the individual who performed the sampling or measurement; (3) the dates the analyses were performed; (4) who performed the analyses; (5) the analytical techniques or methods used; and (6) the results of all analyses.

D. Additional Monitoring by the Permittee

If the Permittee monitors any pollutant more frequently than required by Condition R2 of this permit, then the Permittee must include the results of such monitoring in the calculation and reporting of the data submitted in the Permittee's DMR.

E. Notice of Noncompliance Reporting

The Permittee must take the following action upon violation of any permit condition: *Immediately* take action to stop, contain, and cleanup unauthorized discharges, divert flow to river outfall, or otherwise stop the noncompliance and correct the problem and, if applicable, immediately repeat sampling and analysis. The results of any repeat sampling must be submitted to Ecology within 30 days of sampling.

1. Immediate Noncompliance Notification -

Any failure of the disinfection system, overflow from the collection system within King County control, or any plant bypass discharging to a waterbody used as a source of drinking water must be reported *immediately* to the Department of Ecology (425-649-7000), Washington State Department of Health, and the King County Department of Health (206-205-2252).

2. Twenty-four Hour Noncompliance Notification -

The Permittee must report the following occurrences of noncompliance by telephone to Ecology at 425-649-7000, within 24 hours from the time the Permittee becomes aware of any of the following circumstances:

- a. Any noncompliance that may endanger health or the environment, unless previously reported under subpart 1, above;
- b. Any violation of a maximum daily or instantaneous maximum discharge limitation for any of the pollutants in Section R1 of this permit; or
- c. Any overflow prior to the treatment works within the system under King County control, whether or not such overflow endangers health or the environment or exceeds any effluent limitation in the permit.

3. Written Report Required Within Five Days -

The Permittee must also provide a written submission within five business days of the time that the Permittee becomes aware of any event required to be reported under subparts 1 or 2, above. The written submission must contain:

- a. A description of the noncompliance and its cause;
- b. The period of noncompliance, including exact dates and times;
- c. The estimated time noncompliance is expected to continue if it has not been corrected;
- d. Steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance; and
- e. If the noncompliance involves an overflow prior to the treatment works, an estimate of the quantity (in gallons) of untreated overflow.

4. Waiver of Written Reports -

Ecology may waive the written report required in subpart 3, above, on a case-by-case basis upon request if a timely oral report has been received.

5. Report Submittal -

Reports must be submitted to the addresses in R3.A ("REPORTING AND RECORDING REQUIREMENTS").

F. Other Noncompliance Reporting

The Permittee must report all instances of noncompliance, not required to be reported immediately or within 24 hours, at the time that monitoring reports for R3.A ("Reporting") are submitted. The reports must contain the information listed in paragraph E.3, above. Compliance with these requirements does not relieve the Permittee from responsibility to maintain continuous compliance with the terms and conditions of this permit or the resulting liability for failure to comply.

The spill of oil or hazardous materials *must* be reported in accordance with the instructions obtained at the following website:

<http://www.ecy.wa.gov/programs/spills/other/reportaspill.htm>

G. Reclaimed Water Operational Records

1. Maintenance records must be kept five (5) years on all major electrical and mechanical components of the treatment plant, distribution and use areas. Records must clearly specify the frequency and type of maintenance recommended by the manufacturer and must show the frequency and type of maintenance performed. These maintenance records must be available for inspection at all times.
2. Operating records must be maintained at the treatment plant or within a central depository within the Permittee's operating agency for five (5) years. These records must include: records of all analyses performed, records of operational problems, unit process and equipment breakdowns, and diversions to emergency disposal; and all corrective or preventative action taken.
3. Process or equipment failures triggering an alarm that are key to maintaining reliability of reclaimed water quality must be recorded and maintained as a separate record file. The recorded information must include the time and cause of failure and corrective action taken.
4. If reclaimed water was not distributed during a given monitoring period, submit the form as required with the "no reclamation or reuse" box checked.
5. Cross Connection Control Report. The permittee must coordinate with the public water system supplier serving the facility, which has both potable and reclaimed water service, to assure a cross-connection control report is submitted to Ecology and Health in conformance with the schedule and requirements imposed by the Department of Health, Office of Drinking Water on the public water supplier. This report must be written by a certified Cross-Connection Specialist and must identify all devices tested and any cross-connection incidents that occurred in the reuse system since the previous report.

H. Maintaining a Copy of this Permit

A copy of this permit must be kept at the treatment plant and be made available to the public or Ecology inspectors.

#### **R4. OPERATION AND MAINTENANCE**

The Permittee must at all times be responsible for the proper operation and maintenance of any facilities or systems of control installed to achieve compliance with the terms and conditions of the permit.

A. Certified Operator

An operator certified for at least a Class III plant by the State of Washington must be in responsible charge of the day-to-day operation of the treatment plant. An operator certified for at least a Class II plant must be in charge during all regularly scheduled shifts at the Plant.

B. O & M Program

The Permittee must institute an adequate operation and maintenance program for their entire reclamation system. The same program may be used to meet the NPDES permit O&M requirements. Maintenance records must be maintained on all major electrical and mechanical components of the reclaimed water treatment plant, distribution, and use areas under the Permittee's control. Such records must clearly specify the frequency and type of maintenance recommended by the manufacturer and must show the frequency and type of maintenance performed. These maintenance records must be available for inspection at all times.

The treatment plant, distribution, and use areas must be maintained at all times to ensure that all equipment is kept in a reliable operating condition.

C. Electrical Power Failure

The Permittee is responsible for maintaining adequate safeguards to prevent the discharge of untreated wastes or wastes not treated in accordance with the requirements of this permit during electrical power failure at the treatment plant. The power supply must be provided with one of the following reliability features to assure that inadequately treated wastewater is not discharged to distribution or use areas:

1. An alarm and a standby power source
2. An alarm and automatically actuated alternative disposal provisions. All equipment must be either independent of the normal power supply or provided with a standby power supply.

D. Disinfecting the Discharge Pipe after Coliform Exceedances

The Permittee must:

1. Re-treat effluent not meeting these Reclaimed Water Permit requirements or discharge it through the approved NPDES outfall.

2. Monitor, and disinfect if necessary, the effluent pipelines and other appurtenances located downstream of the UV units for coliform contamination that were exposed to effluent not meeting the total coliform testing requirements in Table 1 of this Permit.
3. Complete the monitoring, and disinfection if necessary, in item number 2 above prior to returning the facilities to reuse water conveyance.
4. Follow the disinfection methodology cited in Amendment 2 to the October 2005 Wastewater Facilities Plan, or approved subsequent amendment when changing from a direct discharge to reclaimed water use.

E. Operations and Maintenance Manual

The O&M Manual will be the same manual used to meet the NPDES permit requirements. The O&M Manual must be reviewed by the Permittee at least annually. The approved operation and maintenance manual must be kept available at the treatment plant.

The operation and maintenance manual must contain the treatment plant process control monitoring schedule. All operators must follow the instructions and procedures of this manual.

The manual must include:

1. Emergency procedures for plant shutdown and cleanup in event of water reclamation system upset or failure;
2. Plant maintenance procedures;
3. Alarm condition response plan to ensure that no untreated or inadequately-treated wastewater is delivered to reclaimed water use areas.
4. Discussion of the cross-connection control and inspection program, including who will be responsible for compliance and testing of the cross-connection control devices.
5. Operational Control Strategies for reclaimed water use under the Permittee's control. This must include the disinfection methodology that applies when changing from a direct discharge to the river to reclaimed water use (cited in Amendment 2 to the October 2005 Wastewater Facilities Plan, or approved subsequent amendment).

**R5. RESIDUAL SOLIDS**

The handling of any residuals generated from the reclamation process must be as described in NPDES permit No. WA-003218-2 and the engineering report approved by Ecology.

## **R6. PRETREATMENT**

The Permittee must ensure that all commercial contributors to the collection system are in compliance with pretreatment regulations, and that the Pretreatment requirements in NPDES permit No. WA-003218-2 are met.

## **R7. RECLAIMED WATER DISTRIBUTION AND USE**

### **A. Reclaimed Water Use Plan**

The Permittee must submit a Reclaimed Water Use Plan for the Chinook Bend Wetlands to Ecology and Health annually starting in March 2009. This plan must analyze monthly nutrient contribution (total nitrogen and total phosphorus) to the wetland by the Class A reclaimed water, and estimate wetland vegetation assimilation. The plan must contain nutrient balance data from the previous year and estimate the nutrient balance for the following year. The plan must contain, but not be limited to, the following:

1. Physical description of the current distribution system.
2. Evaluation of use area, estimated volume of reclaimed water use, application rates, nutrient balance including monthly reclaimed water contribution and expected wetland vegetation uptake, and hydrogeological information necessary to evaluate potential water quality impacts.

### **B. Authorized Uses and Locations**

The Permittee is authorized to distribute reclaimed water in accordance with the terms and conditions of this permit for the authorized use.

The distribution by the Permittee of reclaimed water that does not meet the treatment, water quality, and monitoring requirements established in this permit shall constitute a violation of the terms and conditions of this permit. The use of reclaimed water other than for the authorized use and location shall constitute a violation of the terms and conditions of this permit.

### **C. Revocation of Authorization**

Ecology may revoke authorization to provide service if the Permittee fails to comply with any requirement in this permit. Determination to revoke authorization must be based on the risk to public health and safety or threat to waters of the state. Ecology may revoke the authorization for the use area if, due to a geologic or hydrologic condition, the effect of use area causes the violation of state water quality standards. Before revoking the authorization, Ecology must notify the Permittee in writing and provide a reasonable opportunity and time frame to correct the noncompliance.

D. Bypass Prohibited

There must be no bypassing of untreated or partially treated wastewater from the treatment plant or any intermediate unit processes to the distribution system or point of use at any time. All reclaimed water being distributed for beneficial use must meet Class A requirements at all times. Water not meeting Class A Reclaimed water standards must be returned to the headworks at the Carnation plant or discharged to the wastewater outfall authorized under NPDES Permit No. WA-003218-2.

E. Use Area Responsibilities

1. A standard notification sign must be developed by the Permittee using colors and verbiage approved by the state Department of Health. The signs must be used in all reclaimed water use areas, consistent with the *Water Reclamation and Reuse Standards*.
2. Reclaimed water use must be confined to the designated and approved use area.
3. The Permittee must control industrial and toxic discharges to the sanitary sewer that may affect reclaimed water quality through the approved pretreatment program as listed in NPDES Permit No. WA-003218-2.
4. Where the reclaimed water production, distribution, and use areas are under direct control of the Permittee, the Permittee must maintain control and be responsible for all facilities and activities inherent to the production, distribution, and use of the reclaimed water. The Permittee must ensure that the reuse system operates as approved by Health and Ecology.

F. Use Area Contract

Where the distribution system or use area is not under direct control of the Permittee:

1. No reclaimed water must be distributed by the Permittee without a binding Use Area Contract in place. The contract must ensure that construction, operation, maintenance, use area responsibilities, and monitoring meet all requirements of Health and Ecology. This Use Area contract must be consistent with the requirements of the *Water Reclamation and Reuse Standards, 1997*.
2. If a standard contract has been approved by Ecology and Health, the Permittee or the user may certify that the individual contract copies submitted comply with the terms and conditions of the approved standard contract. If no standard contract has been approved, a copy of each Use Area contract must be submitted to and approved by Health and Ecology prior to implementation.

3. The Permittee or the user must maintain all contracts for reclaimed water use for the duration of the permit.
4. Unless expressly stated otherwise in an approved contract, the Permittee is responsible for all reuse facilities and activities inherent to the production, distribution, and use of the reclaimed water.
5. The Use Area contract must provide the Permittee with the authority to regulate distribution, enter and inspect the site, and to terminate service to the user if violating the *Washington State Water Reclamation and Reuse Standards*.

G. Other Uses of Reclaimed Water

Effluent used within the bounds of the treatment facility is not required to meet these standards, except in areas where there is potential public exposure as determined by Health and Ecology.

The following uses require regulatory approval, and modification and public notice of this permit. None of these uses are currently approved.

1. Groundwater recharge via surface percolation or direct injection.
2. Discharge of reclaimed water to surface waters, unless the discharge is covered by NPDES Permit No. WA-003218-2.
3. Discharge of reclaimed water to natural or created wetlands, except as authorized specifically by this permit.
4. The use of reclaimed water subsequent to its discharge to waters of the state.
5. Any uses that are not specifically authorized by this permit.

## GENERAL CONDITIONS

### G1. SIGNATORY REQUIREMENTS

All applications, reports, or information submitted to Ecology and Health must be signed and certified.

- A. All permit applications must be signed by either a principal executive officer or a ranking elected official.
- B. All reports required by this permit and other information requested by Ecology and Health must be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if:
  - 1. The authorization is made in writing by a person described above and submitted to Ecology.
  - 2. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility, such as the position of plant manager, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters. (A duly authorized representative may thus be either a named individual or any individual occupying a named position.)
- C. Changes to authorization. If an authorization under paragraph B.2 above is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of paragraph B.2 above must be submitted to Ecology prior to or together with any reports, information, or applications to be signed by an authorized representative.
- D. Certification. Any person signing a document under this section must make the following certification:

I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

## **G2. RIGHT OF INSPECTION AND ENTRY**

The Permittee must allow an authorized representative of Ecology and Health, upon the presentation of credentials and such other documents as may be required by law:

- A. To enter upon the premises where a discharge is located or where any records must be kept under the terms and conditions of this permit.
- B. To have access to and copy - at reasonable times and at reasonable cost - any records required to be kept under the terms and conditions of this permit.
- C. To inspect - at reasonable times - any facilities, equipment (including monitoring and control equipment), practices, methods, or operations regulated or required under this permit.
- D. To sample or monitor - at reasonable times - any substances or parameters at any location for purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act.

## **G3. PERMIT ACTIONS**

This permit may be modified, revoked and reissued, or terminated either at the request of any interested person (including the permittee) or upon Ecology and Health's initiative. However, the permit may only be modified, revoked and reissued, or terminated for the reasons specified in 40 CFR 122.62, 122.64 or WAC 173-220-150 according to the procedures of 40 CFR 124.5.

- A. The following are causes for terminating this permit during its term, or for denying a permit renewal application:
  - 1. Violation of any permit term or condition.
  - 2. Obtaining a permit by misrepresentation or failure to disclose all relevant facts.
  - 3. A material change in quantity or type of waste disposal.
  - 4. A determination that the permitted activity endangers human health or the environment, or contributes to water quality standards violations and can only be regulated to acceptable levels by permit modification or termination [40 CFR Part 122.64(3)].
  - 5. A change in any condition that requires either a temporary or permanent reduction, or elimination of any discharge or sludge use or disposal practice controlled by the permit [40 CFR Part 122.64(4)].
  - 6. Nonpayment of fees assessed pursuant to RCW 90.48.465.
  - 7. Failure or refusal of the permittee to allow entry as required in RCW 90.48.090.

- B. The following are causes for modification but not revocation and reissuance except when the permittee requests or agrees:
1. A material change in the condition of the waters of the state.
  2. New information not available at the time of permit issuance that would have justified the application of different permit conditions.
  3. Material and substantial alterations or additions to the permitted facility or activities which occurred after this permit issuance.
  4. Promulgation of new or amended standards or regulations having a direct bearing upon permit conditions, or requiring permit revision.
  5. The Permittee has requested a modification based on other rationale meeting the criteria of 40 CFR Part 122.62.
  6. Ecology and Health have determined that good cause exists for modification of a compliance schedule, and the modification will not violate statutory deadlines.
  7. Incorporation of an approved local pretreatment program into a municipality's permit.
- C. The following are causes for modification or alternatively revocation and reissuance:
1. Cause exists for termination for reasons listed in A1 through A7 of this section, and Ecology and Health determine that modification or revocation and reissuance is appropriate.
  2. Ecology has received notification of a proposed transfer of the permit. A permit may also be modified to reflect a transfer after the effective date of an automatic transfer (General Condition G8) but will not be revoked and reissued after the effective date of the transfer except upon the request of the new permittee.

#### **G4. REPORTING A CAUSE FOR MODIFICATION**

The Permittee must submit a new application, or a supplement to the previous application, along with required engineering plans and reports whenever a material change to the facility or in the quantity or type of discharge is anticipated which is not specifically authorized by this permit. This application must be submitted at least sixty (60) days prior to any proposed changes. The filing of a request by the Permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not relieve the Permittee of the duty to comply with the existing permit until it is modified or reissued.

**G5. PLAN REVIEW REQUIRED**

Prior to constructing or modifying any reclaimed water control facilities, an engineering report and detailed plans and specifications must be submitted to Ecology for approval in accordance with Chapter 173-240 WAC. Engineering reports, plans, and specifications must be submitted at least 180 days prior to the planned start of construction unless a shorter time is approved by Ecology. Facilities must be constructed and operated in accordance with the approved plans.

**G6. COMPLIANCE WITH OTHER LAWS AND STATUTES**

Nothing in this permit must be construed as excusing the Permittee from compliance with any applicable federal, state, or local statutes, ordinances, or regulations.

**G7. DUTY TO REAPPLY**

The Permittee must apply for permit renewal by June 29, 2013.

**G8. TRANSFER OF THIS PERMIT**

In the event of any change in control or ownership of facilities from which the authorized discharge emanate, the Permittee must notify the succeeding owner or controller of the existence of this permit by letter, a copy of which must be forwarded to Ecology.

**A. Transfers by Modification**

Except as provided in paragraph (B) below, this permit may be transferred by the Permittee to a new owner or operator only if this permit has been modified or revoked and reissued under 40 CFR 122.62(b)(2), or a minor modification made under 40 CFR 122.63(d), to identify the new Permittee and incorporate such other requirements as may be necessary under the Clean Water Act.

**B. Automatic Transfers**

This permit may be automatically transferred to a new Permittee if:

1. The Permittee notifies Ecology at least 30 days in advance of the proposed transfer date.
2. The notice includes a written agreement between the existing and new Permittees containing a specific date transfer of permit responsibility, coverage, and liability between them.
3. Ecology does not notify the existing Permittee and the proposed new Permittee of its intent to modify or revoke and reissue this permit. A modification under this subparagraph may also be minor modification under 40 CFR 122.63. If this notice is not received, the transfer is effective on the date specified in the written agreement.

**G9. REDUCED PRODUCTION FOR COMPLIANCE**

The Permittee, in order to maintain compliance with its permit, must control production and/or all discharges upon reduction, loss, failure, or bypass of the treatment plant until the facility is restored or an alternative method of treatment is provided. This requirement applies in the situation where, among other things, the primary source of power of the treatment plant is reduced, lost, or fails.

**G10. REMOVED SUBSTANCES**

Collected screenings, grit, solids, sludges, filter backwash, or other pollutants removed in the course of treatment or control of reclaimed water must not be resuspended or reintroduced to the final effluent stream for discharge to state waters.

**G11. DUTY TO PROVIDE INFORMATION**

The Permittee must submit to Ecology and Health, within a reasonable time, all information which Ecology and Health may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. The Permittee must also submit to Ecology and Health upon request, copies of records required to be kept by this permit [40 CFR 122.41(h)].

**G12. OTHER REQUIREMENTS OF 40 CFR**

All other requirements of 40 CFR 122.41 and 122.42 are incorporated in this permit by reference.

**G13. ADDITIONAL MONITORING**

Ecology or Health may establish specific monitoring requirements in addition to those contained in this permit by administrative order or permit modification.

**G14. PAYMENT OF FEES**

The Permittee must submit payment of fees associated with this permit as assessed by Ecology.

**G15. PENALTIES FOR VIOLATING PERMIT CONDITIONS**

Any person who is found guilty of willfully violating the terms and conditions of this permit must be deemed guilty of a crime, and upon conviction thereof must be punished by a fine of up to \$10,000 and costs of prosecution, or by imprisonment in the discretion of the court. Each day upon which a willful violation occurs may be deemed a separate and additional violation.

Any person who violates the terms and conditions of a waste discharge permit must incur, in addition to any other penalty as provided by law, a civil penalty in the amount of up to \$10,000 for every such violation. Each and every such violation must be a separate and distinct offense, and in case of a continuing violation, every day's continuance must be deemed to be a separate and distinct violation.

**G16. PROPERTY RIGHTS**

This permit does not convey any property rights of any sort, or any exclusive privilege.

**G17. DUTY TO COMPLY**

The Permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Clean Water Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or denial of a permit renewal application.

**G18. TOXIC POLLUTANTS**

The Permittee must comply with effluent standards or prohibitions established under Section 307(a) of the Clean Water Act for toxic pollutants within the time provided in the regulations that establish those standards or prohibitions, even if this permit has not yet been modified to incorporate the requirement.

**G19. PENALTIES FOR TAMPERING**

The Clean Water Act provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit must, upon conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than two (2) years per violation, or by both. If a conviction of a person is for a violation committed after a first conviction of such person under this Condition, punishment must be a fine of not more than \$20,000 per day of violation, or by imprisonment of not more than four (4) years, or by both.

**G20. REPORTING PLANNED CHANGES**

The Permittee must, as soon as possible, give notice to Ecology and Health of planned physical alterations or additions to the permitted facility, production increases, or process modification which will result in: 1) the permitted facility being determined to be a new source pursuant to 40 CFR 122.29(b); 2) a significant change in the nature or an increase in quantity of pollutants discharged; or 3) a significant change in the Permittee's sludge use or disposal practices. Following such notice, this permit may be modified, or revoked and reissued pursuant to 40 CFR 122.62(a) to specify and limit any pollutants not previously limited. Until such modification is effective, any new or increased discharge in excess of permit limits or not specifically authorized by this permit constitutes a violation of the terms and conditions of this permit.

**G21. REPORTING ANTICIPATED NON-COMPLIANCE**

The Permittee must give advance notice to Ecology and Health by submission of a new application or supplement thereto at least 180 days prior to commencement of such discharges, of any facility expansions, production increases, or other planned changes, such as process modifications, in the permitted facility or activity which may result in noncompliance with permit limits or conditions. Any maintenance of facilities, which might necessitate unavoidable interruption of operation and degradation of effluent quality, must be scheduled during noncritical water quality periods and carried out in a manner approved by Ecology and Health.

**G22. REPORTING OTHER INFORMATION**

Where the Permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application, or in any report to Ecology, it must promptly submit such facts or information.

**G23. COMPLIANCE SCHEDULES**

Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit must be submitted no later than 14 days following each schedule date.