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**Permit No.: ST-9226**  
**Issuance Date: October 26, 2007**  
**Effective Date: December 1, 2007**  
**Expiration Date: November 30, 2012**

**STATE WASTE DISCHARGE PERMIT NO. ST-9226**

**STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY  
CENTRAL REGIONAL OFFICE**

In compliance with the provisions of the  
State of Washington Water Pollution Control Law  
Chapter 90.48 Revised Code of Washington, as amended,  
authorizes

**DALLESPORT WASTEWATER TREATMENT FACILITY  
440 DOCK ROAD  
DALLESPORT, WA  
Klickitat County                      City of Bingen  
228 West Main Street              PO Box 607  
MS-CH-19                              Bingen, WA 98605  
Goldendale, WA 98620**

to discharge wastewater in accordance with the special and general conditions which follow.

<u>Plant Location:</u> Dallesport, Washington	<u>Discharge Location:</u> Legal Description : NW¼ of the NW¼ Section 36, Township 2N, Range 13E
<u>Treatment Type</u> Activated Sludge with Ultraviolet Disinfection; Sub-surface land application.	Latitude: 45° 37' 09" N Longitude: 121° 08' 06"W (NAD83/WGS84)

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Denise E. Mills, LHG  
Section Manager  
Water Quality Program  
Central 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>
S3.A.	Discharge Monitoring Report	Monthly	January 15, 2008
S4.C.	Wasteload Assessment	5/permit cycle	November 30, 2011
S5.G.	Updated Operations and Maintenance Manual	1/permit cycle	December 1, 2008
S5.I.	Letter Certifying Reprogramming of the Variable Frequency Drive	1/permit cycle	June 1, 2008
S7.D.	Industrial User Survey		November 30, 2011
S7.E.	Local Sewer Ordinance		November 30, 2011
S8.	Application for Permit Renewal	1/permit cycle	November 30, 2011
G1.	Signature Authorization/Delegation	As Needed	As Needed

### SPECIAL CONDITIONS

In this permit the word must denotes an action that is not conditional and is equivalent to the word shall used in previous permits.

#### S1. DISCHARGE LIMITATIONS

All discharges and activities authorized by this permit must be consistent with the terms and conditions of this permit. The discharge of any of the following pollutants more frequently than, or at a concentration in excess of, that authorized by this permit constitutes a violation of the terms and conditions of this permit.

Beginning on **December 1, 2007** and lasting through **November 30, 2012**, the Permittee is authorized to discharge wastewater to a drainfield at the permitted location subject to the following limitations:

<b>EFFLUENT LIMITATIONS</b>							
<b>Parameter</b>	<b>Average Monthly<sup>a</sup></b>						
5-day Biochemical Oxygen Demand (BOD <sub>5</sub> )	30 mg/L						
Total Suspended Solids (TSS)	30 mg/L						
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;"><b>Average Monthly</b></th> <th style="text-align: center;"><b>Maximum Weekly<sup>b</sup></b></th> </tr> </thead> <tbody> <tr> <td>Fecal Coliform</td> <td style="text-align: center;">200 colonies / 100 ml</td> </tr> <tr> <td>pH (hydrogen ion concentration)</td> <td style="text-align: center;">Not outside the range of 6.5 to 8.5</td> </tr> </tbody> </table>	<b>Average Monthly</b>	<b>Maximum Weekly<sup>b</sup></b>	Fecal Coliform	200 colonies / 100 ml	pH (hydrogen ion concentration)	Not outside the range of 6.5 to 8.5
<b>Average Monthly</b>	<b>Maximum Weekly<sup>b</sup></b>						
Fecal Coliform	200 colonies / 100 ml						
pH (hydrogen ion concentration)	Not outside the range of 6.5 to 8.5						
	<b>GROUNDWATER ENFORCEMENT LIMITATIONS</b>						
<b>Parameter</b>	Two consecutive exceedances of an enforcement limit for the same parameter at the same well will constitute a violation. <sup>d, e</sup>						
Temperature	19.6° C						
Nitrate – N	7.33 mg/L						
Orthophosphate-PO <sub>4</sub>	1.77 mg/L						
Chloride	245 mg/L						
<sup>a</sup> The average monthly effluent limitation is defined as the highest allowable average of daily discharges over a calendar month, calculated as the sum of all daily discharges measured during a calendar month divided by the number of daily discharges measured during that month.							
<sup>b</sup> The maximum weekly effluent limitation is defined as the highest allowable weekly discharge. The weekly discharge means the discharge of a pollutant measured during a seven day period.							
<sup>c</sup> The average monthly fecal coliform is the geometric mean of weekly measurements.							
<sup>d</sup> In the event of two consecutive exceedances, the Permittee must:							
<ol style="list-style-type: none"> <li>1. Provide immediate verbal notification to the Ecology's Central Regional Office, Water Quality Program;</li> <li>2. Resample the well(s) within 48 hours of receiving the lab report;</li> <li>3. Provide written notification with the next monitoring report; and,</li> <li>4. Comply with other actions as required by Ecology.</li> </ol>							
<sup>e</sup> The enforcement limitations apply only to monitoring wells 2, 3, and 5.							

## S2. MONITORING REQUIREMENTS

### A. Wastewater Monitoring

The sampling point for the influent will be at the composite sampler at the headworks.

The sampling point for the effluent from the above ground treatment works will be at the weir of the effluent channel prior to the effluent discharge pipe where the composite sampler is currently located.

The Permittee must monitor the wastewater according to the following schedule:

Parameter	Units	Sample Point	Sampling Frequency <sup>a</sup>	Sample Type
Flow	MGD	Influent	Continuous <sup>b</sup>	Meter
BOD <sub>5</sub>	mg/L, lbs/day	Influent	1 / week <sup>c</sup>	24 hour composite
	mg/L, lbs/day	Effluent	1 / week	
BOD <sub>5</sub> , % removal	Percentage	Influent & Effluent	1 / monthly	Calculation <sup>d</sup>
TSS	mg/L, lbs/day	Influent	1 / week	24 hour composite
	mg/L, lbs/day	Effluent	1 / week	
TSS, % removal	Percentage	Influent & Effluent	1 / monthly	Calculation <sup>d</sup>
Ammonia (as N)	mg/L, lbs/day	Influent	2 / monthly <sup>e</sup>	24 hour composite
	mg/L, lbs/day	Effluent	2 / monthly	
Total Kjeldahl Nitrogen (as N)	mg/L	Effluent	2 / monthly	24 hour composite
Nitrate (as N)	mg/L	Effluent	2 / monthly	24 hour composite
Orthophosphate-PO <sub>4</sub>	mg/L	Effluent	2 / monthly	24 hour composite
TRC <sup>f</sup>	mg/L	Effluent	1 / week	24 hour composite
Fecal Coliforms	CFU/100 ml <sup>g</sup>	Effluent	1 / week	Grab
Electrical Conductivity	μS/cm	Effluent	1 / week	Grab
pH	Standard Units	Effluent	3 / week <sup>h</sup>	Grab
<sup>a</sup> After one year of monitoring the Permittee may request that sampling frequency be reduced for any parameter, following the procedure given in Special Condition S2.G - Monitoring Requirements.				
<sup>b</sup> Continuous means uninterrupted except for brief periods of time for calibration, for power failure, or for unanticipated equipment repair or maintenance. Sampling must be conducted <b>daily</b> when continuous monitoring is not possible.				
<sup>c</sup> 1/weekly means once a week, on rotating days of the week, excluding weekends and holidays.				

<sup>d</sup> Percent removal = $\left[ \frac{\text{Average Concentration (C) Influent} - \text{Average C Effluent}}{\text{Average C Influent}} \right] \times (100)$
<sup>e</sup> 2 / monthly means twice a month, on rotating days of the week, excluding weekends and holidays.
<sup>f</sup> Sampling must be conducted only during months when hypochlorite is utilized in process controls. Sampling must be during hypochlorite use. If no discharge of TRC occurs, enter no discharge on monthly Discharge Monitoring Report.
<sup>g</sup> CFU means colony forming units. The monthly average result is to be calculated as the geometric mean of the weekly monitoring.
<sup>h</sup> Means three times a week, excluding weekends and holidays.

**B. Reapplication Wastewater Monitoring**

Effluent pollutants to be sampled once each permit cycle. <sup>a</sup>	CAS Number (if available)	Analytical Protocol as EPA Part 136 methods or Standard Methods	Detection Level µg/l (or ng/l)
Antimony, Total	7440-36-0	204.2	3
Arsenic, Total	7440-38-2	206.2	1
Beryllium, Total	7440-43-9	210.2	1
Cadmium, Total	7440-43-9	213.2	0.1
Chromium, Total	7440-47-3	218.2	1
Copper, Total	7440-50-8	220.2	1
Lead, Total	7439-92-1	239.2	1
Mercury, Total	7439-97-6	1631	0.2 ng/l
Nickel, Total	7440-02-0	249.2	1
Selenium, Total	7782-49-2	270.2	2
Silver, Total	7440-22-4	272.2	0.2
Thallium, Total	7440-28-0	279.2	1
Zinc, Total	7440-66-6	289.2	0.05
Cyanide, Total	57-12-5	335.2 or 335.3	20
Cyanide, (weak-acid dissociable)	57-12-5	335.1	10
		OIA-1677	0.5
Phenols, total		420.1 or 420.2	

<sup>a</sup> Results to be submitted one-year prior to permit expiration with permit application. The data must be listed in tabular form with the detection limit, the value including units, and the method.

### C. Ground Water Monitoring

The sampling points for ground water will be **monitoring wells 1, 2, 3, 4, 5, and 6**. The Permittee must monitor the ground water according to the following schedule:

Parameter	Units	Sampling Frequency	Sample Type
Static Water Level	Feet (hundredths)	Quarterly	Field Measurement
Temperature	°C	Monthly <sup>a</sup>	Field Measurement
Nitrate-N	mg/L	Quarterly <sup>b</sup>	Grab
Orthophosphate-PO4	mg/L	Quarterly	"
Chloride	mg/l	Quarterly	"
pH	Standard Units	Quarterly	"
Electrical Conductivity	µS/cm	Quarterly	"
Total Coliform	CFU/100 ml <sup>b</sup>	Quarterly	"
Fecal Coliform	CFU/100 ml	Quarterly	"
Ammonia-N	mg/L	Annually <sup>d</sup>	"
TKN	mg/L	Annually	"
Iron (Total)	mg/l	Annually	"
Manganese	mg/l	Annually	"
Total Organic Carbon	mg/l	Annually	"
Bicarbonate (alkalinity)	mg/l	Annually	"
Total Dissolved Solids	mg/l	Annually	"
Calcium	mg/l	Annually	"
Magnesium	mg/l	Annually	"
Potassium	mg/l	Annually	"
Sodium	mg/l	Annually	"
Sulfate	mg/l	Annually	"
<sup>a</sup> Sample monthly in May, June, September, October, and November.			
<sup>b</sup> Sample quarterly in May, June, September, and November.			
<sup>c</sup> CFU = colony forming units			
<sup>d</sup> Sample annually in April 2008, May 2009, June 2010, July 2011, and May 2012.			

## C. Ground Water Monitoring (continued)

Groundwater pollutants to be sampled once each permit cycle. <sup>a, b</sup>	CAS Number (if available)	Analytical Protocol as EPA Part 136 methods or Standard Methods	Detection Level µg/l (or ng/l)
Antimony, Total	7440-36-0	204.2	3
Arsenic, Total	7440-38-2	206.2	1
Beryllium, Total	7440-43-9	210.2	1
Cadmium, Total	7440-43-9	213.2	0.1
Chromium, Total	7440-47-3	218.2	1
Copper, Total	7440-50-8	220.2	1
Lead, Total	7439-92-1	239.2	1
Mercury, Total	7439-97-6	1631	0.2 ng/l
Nickel, Total	7440-02-0	249.2	1
Selenium, Total	7782-49-2	270.2	2
Silver, Total	7440-22-4	272.2	0.2
Thallium, Total	7440-28-0	279.2	1
Zinc, Total	7440-66-6	289.2	0.05
Cyanide, Total	57-12-5	335.2 or 335.3	20
Cyanide, (weak-acid dissociable)	57-12-5	335.1	10
		OIA-1677	0.5
Phenols, total		420.1 or 420.2	
<sup>a</sup> Results to be submitted one year prior to permit expiration with permit application. The data must be listed in tabular form with the detection limit, the value including units, and the method.			
<sup>b</sup> The sampling points for ground water will be monitoring wells <b>1, 2, 3, 4, 5, and 6.</b>			

**D. Surface Water Monitoring**

The Permittee must monitor the surface water in the Dalles Dam forebay according to the following schedule:

Parameter / Units	Locations <sup>a</sup>	Sampling Frequency	Sample Type
Static Water Level / Feet (tenths of a foot accuracy) <sup>b</sup>	Forebay	Quarterly <sup>c</sup>	Field Measurement
pH / standard units	Upstream, from shore: Latitude: 45.62331 N Longitude: 121.12968 W  Downstream, from shore: Latitude: 45.61804 N Longitude: 121.13755 W	Quarterly	Field Measurement
Electrical Conductivity / $\mu$ S/cm		Quarterly	Field Measurement
Nitrate-N / mg/L		Quarterly	Grab
Orthophosphate-PO <sub>4</sub> / mg/L		Quarterly	Grab
Chloride / mg/L		Quarterly	Grab
Total Coliform / CFU/100 ml		Quarterly	Grab
Fecal Coliform / CFU/100 ml		Quarterly	Grab
Temperature / °C		Five months/year <sup>d</sup>	Field Measurement
<sup>a</sup> Grab sampling and field measurements must be collected with a protocol that ensures compliance with condition S2.D Sampling and Analytical Procedures.			
<sup>b</sup> Upstream static water level measurements obtained from the Army Corp of Engineers in the forebay of the Dalles Dam are sufficient data for this parameter. [data can be found at this web-site: <a href="http://www.cbr.washington.edu/dart/river_com.html">http://www.cbr.washington.edu/dart/river_com.html</a> ]			
<sup>c</sup> Quarterly means one measurement in January, April, July, and October.			
<sup>d</sup> Five field measurements are to be taken each year in the following months: May, June, September, October, and November.			

**E. 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 bypasses, upsets and maintenance-related conditions affecting effluent quality.

Ground water sampling must conform to the latest protocols in the *Implementation Guidance for the Ground Water Quality Standards*, (Ecology 1996).

Sampling and analytical methods used to meet the water and wastewater 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).

**F. 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 are 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 three years.

**G. 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, settleable solids, conductivity, pH, and internal process control parameters are exempt from this requirement. Conductivity and pH must be accredited if the laboratory must otherwise be registered or accredited.

**H. Request for Reduction of Monitoring**

The Permittee may request a reduction of the sampling frequency after twelve (12) months of monitoring from the effective date of the permit. The request must: (1) be in written form, (2) clearly state the parameters for which the reduction in monitoring is being requested, and (3) clearly state the justification for the reduction. Any request for reduction in monitoring must be granted at Ecology's discretion and accomplished through a permit modification.

### **S3. REPORTING AND RECORDKEEPING REQUIREMENTS**

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

#### **A. Reporting**

The first monitoring period begins on **December 1, 2007**. Monitoring results must be submitted monthly. 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 15th day of the month following the completed reporting period, unless otherwise specified in this permit. Priority pollutant analysis data must be submitted no later than 45 days following the reporting period. The report(s) must be sent to:

**Permit Data Systems Manager  
Department of Ecology  
Central Regional Office  
15 West Yakima Avenue, Suite 200  
Yakima, Washington 98902**

Discharge Monitoring Report forms must be submitted monthly whether or not the facility was discharging. If there was no discharge or the facility was not operating during a given monitoring period, submit the form as required with the words "no discharge" entered in place of the monitoring results.

#### **B. Records Retention**

The Permittee must retain records of all monitoring information for a minimum of three 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. This period of retention must be extended during the course of any unresolved litigation regarding the discharge of pollutants by the Permittee or when requested by the Director.

The Permittee must retain all records pertaining to the monitoring of sludge for a minimum of five years.

**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 this permit using test procedures specified by Condition S2. of this permit, then the results of this monitoring must be included in calculation and reporting of the data submitted in the Permittee's self-monitoring reports.

**E. Noncompliance Notification**

In the event the Permittee is unable to comply with any of the permit terms and conditions due to any cause, the Permittee must:

1. Immediately take action to stop, contain, and cleanup unauthorized discharges or otherwise stop the violation, and correct the problem;
2. Repeat sampling (within 48 hours) and analysis of any violation and submit the results to Ecology within 30 days after becoming aware of the violation;
3. Immediately notify Ecology of the failure to comply\* ; and
4. Submit a detailed written report to Ecology within thirty days, unless requested earlier by Ecology, describing the nature of the violation, corrective action taken and/or planned, steps to be taken to prevent a recurrence, results of the resampling, and any other pertinent information.

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.

\* Immediately notify means within 24 hours for any spill, overflow, bypass from any portion of the collection or treatment system or any condition that endangers human health or the environment. Immediately means 30 days for any other condition.

**F. 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.

**S4. FACILITY LOADING**

**A. Design Criteria**

Flows or waste loadings of the following design criteria for the permitted treatment facility must not be exceeded:

Average flow for the maximum month:	0.40 MGD
BOD <sub>5</sub> loading for maximum month:	520 lbs/day
TSS loading for maximum month:	520 lbs/day
Ammonia loading for maximum month:	134 lbs/day

**B. Plans for Maintaining Adequate Capacity**

When the actual flow or wasteload reaches 85 percent of any one of the design criteria in S4.A. for three consecutive months, or when the projected increases would reach design capacity within five years, whichever occurs first, the Permittee must submit to Ecology, a plan and a schedule for continuing to maintain capacity at the facility sufficient to achieve the effluent limitations and other conditions of this permit. This plan must address any of the following actions or any others necessary to meet this objective.

1. Analysis of the present design including the introduction of any process modifications that would establish the ability of the existing facility to achieve the effluent limits and other requirements of this permit at specific levels in excess of the existing design criteria specified in paragraph A above.
2. Reduction or elimination of excessive infiltration and inflow of uncontaminated ground and surface water into the sewer system.
3. Limitation on future sewer extensions or connections or additional wasteloads.
4. Modification or expansion of facilities necessary to accommodate increased flow or wasteload.
5. Reduction of industrial or commercial flows or waste loads to allow for increasing sanitary flow or wasteload.

Engineering documents associated with the plan must meet the requirements of WAC 173-240-060, "Engineering Report," and be approved by Ecology prior to any construction. The plan must specify any contracts, ordinances, methods for financing, or other arrangements necessary to achieve this objective.

**C. Wasteload Assessment**

The Permittee must conduct an annual assessment of its flow and waste load and submit the first report to Ecology by **November 30, 2011**, and annually thereafter. The report must contain the following: an indication of compliance or noncompliance with the permit effluent limitations; a comparison between the existing and design monthly average dry weather and wet weather flows, peak flows, BOD, and total suspended solids loadings; and (except for the first report) the percentage increase in these parameters since the last annual report. The report must also state the present and design population or population equivalent, projected population growth rate, and the estimated date upon which the design capacity is projected to be reached, according to the most restrictive of the parameters above. The interval for review and reporting may be modified if Ecology determines that a different frequency is sufficient.

**S5. 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 II plant by the State of Washington must be in responsible charge of the day-to-day operation of the wastewater treatment plant. An operator certified for at least a Class I plant must be in charge during all regularly scheduled shifts.

**B. O & M Program**

The Permittee must institute an adequate operation and maintenance program for its entire sewage system. Maintenance records must be maintained on all major electrical and mechanical components of the treatment plant, as well as the sewage system and pumping stations. 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.

**C. Short-term Reduction**

If a Permittee contemplates a reduction in the level of treatment that would cause a violation of permit discharge limitations on a short-term basis for any reason, and such reduction cannot be avoided, the Permittee must give written notification to Ecology, if possible, 30 days prior to such activities, detailing the reasons for, length of time of, and the potential effects of the reduced level of treatment. This notification does not relieve the Permittee of its obligations under this permit.

**D. 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 and/or sewage lift stations either by means of alternate power sources, standby generator, or retention of inadequately treated wastes. The Permittee must maintain Reliability Class II (EPA 430-99-74-001) at the wastewater treatment plant, which requires primary sedimentation and disinfection.

**E. Prevent Connection of Inflow**

The Permittee must strictly enforce its sewer ordinances and not allow the connection of inflow (roof drains, foundation drains, etc.) to the sanitary sewer system.

**F. Bypass Procedures**

The Permittee must immediately notify Ecology of any spill, overflow, or bypass from any portion of the collection or treatment system according to S3.E.

The bypass of wastes from any portion of the collection or treatment system is prohibited unless one of the following conditions (1, 2, or 3) applies:

1. Unavoidable Bypass -- Bypass is unavoidable to prevent loss of life, personal injury, or severe property damage. "Severe property damage" means substantial physical damage to property, damage to the treatment facilities which would cause them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass.

If the resulting bypass from any portion of the treatment system results in noncompliance with this permit the Permittee must notify Ecology in accordance with condition S3.E "Noncompliance Notification."

2. Anticipated Bypass That Has The Potential to Violate Permit Limits or Conditions -- Bypass is authorized by an administrative order issued by Ecology. The Permittee must notify Ecology at least 30 days before the planned date of bypass. The notice must contain a description of the bypass and its cause; the duration of the bypass, including exact dates and times; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the bypass. Ecology will consider the following prior to issuing an administrative order:
  - a. If the bypass is necessary to perform construction or maintenance-related activities essential to meet the requirements of the permit.
  - b. If there are feasible alternatives to bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, maintenance during normal periods of equipment down time, or transport of untreated wastes to another treatment facility.
  - c. If the bypass is planned and scheduled to minimize adverse effects on the public and the environment.

After consideration of the above and the adverse effects of the proposed bypass and any other relevant factors, Ecology will approve or deny the request. The public must be notified and given an opportunity to comment on bypass incidents of significant duration, to the extent feasible. Approval of a request to bypass will be by administrative order issued by Ecology under RCW 90.48.120.

3. Bypass For Essential Maintenance Without the Potential to Cause Violation of Permit Limits or Conditions -- Bypass is authorized if it is for essential maintenance and does not have the potential to cause violations of limitations or other conditions of the permit, or adversely impact public health as determined by Ecology prior to the bypass.

#### **G. Operations and Maintenance Manual**

An **updated** Operations and Maintenance (O&M) Manual must be prepared by the Permittee in accordance with WAC 173-240-080 and be submitted to Ecology for approval by **December 1, 2008**. The O&M Manual must be reviewed by the Permittee at least annually. The Permittee must confirm the review by letter and/or a manual update to Ecology. All manual changes or updates must be submitted to Ecology whenever they are incorporated into the manual. 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 updated manual must include:

1. Emergency procedures for plant shutdown and cleanup in event of wastewater system upset or failure;
2. Subsurface effluent disposal system operational controls and procedures, including **annual switching of the subsurface disposal area**;
3. Protocols and procedures for ground water monitoring network sampling and testing;
4. Plant maintenance procedures;
5. **Staffing requirements.**

#### **H. Subsurface Wastewater Disposal**

1. The disposal of subsurface wastewater must not be applied in quantities that:
  - a. Significantly reduce or destroy the long-term infiltration rate of the soil.
  - b. Cause long-term anaerobic conditions in the soil.
  - c. Cause ponding of wastewater and produce objectionable odors or support insects or vectors.
  - d. 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 wastewater, partial decomposition products, or soil constituents that would alter ground water quality in amounts that would affect current and future beneficial uses.
2. The Permittee must maintain all wastewater disposal agreements for lands not owned for the duration of the permit cycle. Any reduction in wastewater disposal lands by termination of any agreements may result in permit modification or revocation. The Permittee must immediately inform Ecology in writing of any proposed changes to existing agreements.
3. The Permittee must switch the subsurface disposal area on an annual basis.

**I. Reprogram Oxidation Ditch Variable Frequency Drive Software**

No later than **June 1, 2008** the Permittee must have reprogrammed the software controlling the oxidation ditch rotors to allow the rotors to run on an independent basis when the rotor control is in automatic mode in conjunction with the ditch mixer operation. The Permittee must inform Ecology in writing when this task has been completed.

**S6. RESIDUAL SOLIDS**

Residual solids include screenings, grit, scum, primary sludge, waste activated sludge and other solid waste. The Permittee must store and handle all residual solids in such a manner as to prevent their entry into state ground or surface waters. The Permittee must not discharge leachate from residual solids to state surface or ground waters.

**S7. PRETREATMENT**

The Permittee must work with Ecology to ensure that all commercial and industrial users of the publicly owned treatment works (POTW) comply with the pretreatment regulations in 40 CFR Part 403.

**A. Discharge Authorization Required**

Significant commercial or industrial operations must not be allowed to discharge wastes to the Permittee's sewage system until they have received prior authorization from Ecology in accordance with Chapter 90.48 RCW and Chapter 173-216 WAC, as amended. The Permittee must immediately notify Ecology of any proposed new sources of wastewater from significant commercial or industrial operations.

**B. Prohibitions**

A non-domestic discharger may not introduce into the Permittee's sewerage system any pollutant(s) that cause pass through or interference.

The following non-domestic pollutants must not be discharged into the Permittee's sewerage system.

1. Pollutants that create a fire or explosion hazard in the domestic wastewater facilities (including, but not limited to waste streams with a closed cup

- flashpoint of less than 140 degrees Fahrenheit or 60 degrees Centigrade using the test methods specified in 40 CFR 261.21).
2. Pollutants that will cause corrosive structural damage to the domestic wastewater facilities, but in no case discharges with pH lower than 5.0 standard units or greater than 11.0 standard units, unless the works are specifically designed to accommodate such discharges.
  3. Solid or viscous pollutants in amounts that could cause obstruction to the flow in sewers or otherwise interfere with the operation of the POTW.
  4. Any pollutant, including oxygen demanding pollutants, (BOD, etc.) released in a discharge at a flow rate and/or pollutant concentration which will cause interference with the POTW.
  5. Heat in amounts that will inhibit biological activity in the POTW resulting in interference, but in no case heat in such quantities such that the temperature at the POTW exceeds 40°C (104°F) unless Ecology, upon request of the Permittee, approves, in writing, alternate temperature limits.
  6. Petroleum oil, non-biodegradable cutting oil, or products of mineral origin in amounts that will cause interference or pass through.
  7. Pollutants which result in the presence of toxic gases, vapors, or fumes within the POTW in a quantity which may cause acute worker health and safety problems.
  8. Any trucked or hauled pollutants, except at discharge points designated by the Permittee.
  9. As provided by WAC 173-303-071(3)(a), discharges of dangerous wastes into the sewerage system by industrial or commercial users are prohibited unless the discharger has submitted an application for a State Waste Discharge Permit. The applicant must accurately describe the wastewater on a State Waste Discharge Permit Application for Industrial Discharges to a POTW (Ecology Form 040-177).
  10. Noncontact cooling water in significant volumes.
  11. Stormwater, and other direct inflow sources.
  12. Wastewaters significantly affecting system hydraulic loading, which do not require treatment or would not be afforded a significant degree of treatment by the system.

**C. Notification of Industrial User Violations**

The Permittee must notify Ecology if any non-domestic user violates the prohibitions listed in S7.B above.

**D. Industrial User Survey**

The Permittee must perform an industrial user survey, or other activities (e.g., sewer use ordinance and local limits development), which are necessary for the

proper administration of the state pretreatment program. The Permittee must submit the survey to Ecology no later than **November 30, 2011**.

**E. Local Sewer Ordinance**

The Permittee must develop a sewer ordinance and submit to Ecology no later than **November 30, 2011**.

**S8. DUTY TO REAPPLY**

The Permittee must apply for permit renewal no later than **November 30, 2011**.

## GENERAL CONDITIONS

### G1. SIGNATORY REQUIREMENTS

All applications, reports, or information submitted to Ecology must be signed as follows:

- A. All permit applications must be signed by either a principal executive officer or ranking elected official.
- B. All reports required by this permit and other information requested by Ecology 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 the person described above and is submitted to Ecology at the time of authorization, and
  - 2. The authorization specifies 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 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 ENTRY

Representatives of Ecology must have the right to enter at all reasonable times in or upon any property, public or for the purpose of inspecting and investigating conditions relating to the pollution or the possible pollution of any waters of the state. Reasonable times must include normal business hours; hours during which production, treatment, or discharge occurs; or times when Ecology suspects a violation requiring immediate

inspection. Representatives of Ecology must be allowed to have access to, and copy at reasonable cost, any records required to be kept under terms and conditions of the permit; to inspect any monitoring equipment or method required in the permit; and to sample the discharge, waste treatment processes, or internal waste streams.

### **G3. PERMIT ACTIONS**

This permit is subject to modification, suspension, or termination, in whole or in part by Ecology for any of the following causes:

- A. Violation of any permit term or condition;
- B. Obtaining a permit by misrepresentation or failure to disclose all relevant facts;
- C. A material change in quantity or type of waste disposal;
- D. A material change in the condition of the waters of the state; or
- E. Nonpayment of fees assessed pursuant to RCW 90.48.465.

Ecology may also modify this permit, including the schedule of compliance or other conditions, if it determines good and valid cause exists, including promulgation or revisions of regulations or new information.

### **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 new or increased discharge or change in the nature of the discharge is anticipated which is not specifically authorized by this permit. This application must be submitted at least 60 days prior to any proposed changes. Submission of this application does not relieve the Permittee of the duty to comply with the existing permit until it is modified or reissued.

### **G5. NOTIFICATION OF NEW OR ALTERED SOURCES**

The Permittee must submit written notice to Ecology whenever any new discharge or increase in volume or change in character of an existing discharge into the sewer is proposed which: (1) would interfere with the operation of, or exceed the design capacity of, any portion of the collection or treatment system; (2) would increase the total system flow or influent waste loading by more than 10 percent; (3) is not part of an approved general sewer plan or approved plans and specifications; or would be subject to pretreatment standards under 40 CFR Part 403 and Section 307(b) of the Clean Water Act. This notice must include an evaluation of the system's ability to adequately transport and treat the added flow and/or wasteload.

**G6. PLAN REVIEW REQUIRED**

Prior to constructing or modifying any wastewater 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 should be submitted at least 180 days prior to the planned start of construction. Facilities must be constructed and operated in accordance with the approved plans.

**G7. COMPLIANCE WITH OTHER LAWS AND STATUTES**

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

**G8. PAYMENT OF FEES**

The Permittee must submit payment of fees associated with this permit as assessed by Ecology. Ecology may revoke this permit if the permit fees established under Chapter 173-224 WAC are not paid.

**G9. PENALTIES FOR VIOLATING PERMIT CONDITIONS**

Any person who is found guilty of willfully violating the terms and conditions of this permit is deemed guilty of a crime, and upon conviction thereof must be punished by a fine of up to ten thousand dollars 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 will incur, in addition to any other penalty as provided by law, a civil penalty in the amount of up to \$10,000 dollars for every such violation. Each and every such violation is a separate and distinct offense, and in case of a continuing violation, every day's continuance is deemed to be a separate and distinct violation.