



Issuance Date: June 29, 2007
Effective Date: August 1, 2007
Expiration Date: June 30, 2012

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
WASTE DISCHARGE PERMIT No. WA 0040469

State of Washington
DEPARTMENT OF ECOLOGY
Olympia, Washington 98504-7600

In compliance with the provisions of
The State of Washington Water Pollution Control Law
Chapter 90.48 Revised Code of Washington
and
The Federal Water Pollution Control Act
(The Clean Water Act)
Title 33 United States Code, Section 1251 et seq.

**Battelle Marine Sciences Laboratory
1529 West Sequim Bay Road
Sequim, Washington 98382**

<u>Facility Location:</u> 1529 West Sequim Bay Road Sequim , WA 98382	<u>Receiving Water:</u> Sequim Bay, Strait of Juan de Fuca
<u>Water Body I.D. No.:</u> 1233087481453	<u>Discharge Location:</u> Latitude: 48° 04' 45" N Longitude: 123° 02' 37" W
<u>Industry Type:</u> Research (Physical, Biological and Chemical aspects of environment)	

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

Steven G. Eberl, P.E.
Acting Southwest Region Manager
Water Quality Program
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.

Permit Section	Submittal	Frequency	First Submittal Date
S3.A	Discharge Monitoring Report	Monthly	Septembert 15, 2007
S3.E	Noncompliance Notification	As necessary	
S3.H	Shellfish Protection	As necessary	
S4.B	Reporting Bypasses	As necessary	
S5.	Application for Permit Renewal	1/permit cycle	January 3, 2011
G1.	Notice of Change in Authorization	As necessary	
G4.	Permit Application for Substantive Changes to the Discharge	As necessary	
G5.	Engineering Report for Construction or Modification Activities	As necessary	
G7	Notice of Permit Transfer	As necessary	
G21	Reporting Anticipated Non-compliance	As necessary	
G22.	Reporting Other Information	As necessary	

SPECIAL CONDITIONS

S1. DISCHARGE LIMITATIONS

A. Process Wastewater Discharges

All discharges and activities authorized by this permit shall be consistent with the terms and conditions of this permit.

The discharge of any of the following pollutants more frequently than, or at a level in excess of, that identified and authorized by this permit shall constitute a violation of the terms and conditions of this permit.

Beginning on the effective date of this permit and lasting through the expiration date, the Permittee is authorized to discharge the process wastewater (generated at the research laboratory and the experimental station) at the permitted location subject to complying with the following limitations. A mixing zone within the receiving water defined by a radius of 160 feet from the discharge point in which state water quality criteria may be exceeded is also hereby authorized in all accordance with the provisions of Washington Administrative Code (WAC) 173-201A-100.

EFFLUENT LIMITATIONS: OUTFALL 007 and 008		
Parameter	Average Monthly^a	Maximum Daily^b
PCBs (µg/L) (Outfall 007)	Report ^c	Report ^c
PAHs (µg/L) (Outfall 007)	Report ^c	Report ^c
pH (Outfall 007)	Daily minimum is equal to or greater than 6.0 and the daily maximum is less than or equal to 9.0	
Flow GPD (Outfall 008)	-	Report
Bromoform influent (µg/L) (Outfall 008 ^c)	Report ^c	Report ^c
Bromoform effluent (µg/L) Outfall 008 ^d	Report ^c	Report ^c
Other (see explanatory notes for outfall 008)	Report ^c	Report ^c
^a 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.		
^b 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. For pollutants with limitations expressed in units of mass, the daily discharge is calculated as the total mass of the pollutant discharged over the day. For other units of measurement, the daily discharge is the average measurement of the pollutant over the day. The pH shall not be averaged.		

^c Influent concentration is defined as wastewater containing bromoform generated during the chemical disinfection process and is measured just upstream of carbon bed.
^d Effluent wastewater is defined as wastewater which has been treated and is measured downstream of all treatment process.
^e Environmental contaminants exceeding the PQL shall be reported on the monthly discharge monitoring report (Appendix A).

EXPLANATORY NOTE: The Permittee shall sample discharges of wastewater for environmental contaminants known or reasonably expected to be entering effluent systems at significant concentrations as a result of frequent and infrequent activities.

Frequent Activities: Sampling should be on a monthly frequency for discharges associated with “frequent” activities at the site. Frequent activities include business and operational activities that are regularly performed such as sediment toxicity testing, analytical chemistry operations, lab ware and equipment cleaning, and system/facility maintenance.

Infrequent Activities: When activities of a “infrequent” research nature are conducted, a sample of effluent should be collected within the first week of discharge from the activity and at a time when contaminant concentrations are judged most likely to be detected. If discharges from a specific infrequent activity continue for over a month, then the regular monthly sample should include analysis for contaminants associated with the non-routine activity.

For the purposes above, “environmental contaminants” are those substances and properties listed in the state water quality standards for surface water (Washington Administrative Code [WAC] 173-201A) and/or the National Toxics Rule (40 Code of Federal Regulations [CFR] 131.36(b)(1)). “Significant amounts” are concentrations in excess of the numerical criteria for these substances and properties set out in those state and federal regulations.

S2. MONITORING REQUIREMENTS

The Permittee shall monitor in accordance with the following schedule:

A. Monitoring Schedule for Outfall 007 and 008

Category	Parameter	Units	Sample Point	Minimum Sampling Frequency	Sample Type
Process Water	PCBs	µg/L	Outfall 007	Monthly	Composite ¹
Process Water	PAHs	µg/L	Outfall 007	Monthly	Composite ¹
Process Water	pH	S.U.	Outfall 007	Monthly	Grab
Process Water	Flow	GPD	Outfall 008	Continuous	Flow Meter
Process Water	Bromoform (Influent/Effluent) ²	µg/L	Outfall 008	Monthly	Grab
Process Water	(See explanatory note	µg/L	Outfall 008	Monthly	Grab

Category	Parameter	Units	Sample Point	Minimum Sampling Frequency	Sample Type
	for Outfall 008)				
¹ Composite sample shall consist of a minimum of four grab samples, each collected at least one hour apart.					
² Influent concentration is defined as wastewater containing bromoform generated during the chemical disinfection and is measured just upstream of the carbon bed. Effluent wastewater is defined as wastewater which has been treated and is measured downstream of all treatment processes.					

B. Sampling and Analytical Procedures

Samples and measurements taken to meet the requirements of this permit shall 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.

Sampling and analytical methods used to meet the monitoring requirements specified in this permit shall conform to the latest revision of the *Guidelines Establishing Test Procedures for the Analysis of Pollutants* contained in 40 CFR Part 136.

C. Flow Measurement

Appropriate flow measurement devices and methods consistent with accepted scientific practices shall be selected and used to ensure the accuracy and reliability of measurements of the quantity of monitored flows. The devices shall 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 shall be in conformance with manufacturer's recommendations and at a minimum frequency of at least one calibration per year. Calibration records shall be maintained for at least three years.

D. Laboratory Accreditation

All monitoring data required by the Department shall 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, turbidity, and internal process control parameters are exempt from this requirement. The Department exempts crops, soils, and hazardous waste data from this requirement pending accreditation of laboratories for analysis of these media.

S3. REPORTING AND RECORDKEEPING REQUIREMENTS

The Permittee shall monitor and report in accordance with the following conditions. The falsification of information submitted to the Department 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 shall be submitted monthly. Monitoring data obtained during each monitoring period shall be summarized, reported, and submitted on a Discharge Monitoring Report (DMR)

form provided, or otherwise approved, by the Department. DMR forms shall be postmarked or received no later than the 15th day of the month following the completed monitoring period, unless otherwise specified in this permit. The report(s) shall be sent to:

Industrial Unit Permit Coordinator
Department of Ecology
Southwest Regional Office
P.O. Box 47775
Olympia, WA 98504-7775

All laboratory reports providing data for organic and metal parameters shall include the following information: sampling date, sample location, date of analysis, parameter name, CAS number, analytical method/ number, method detection limit (MDL), laboratory practical quantitation limit (PQL), reporting units, and concentration detected. Analytical results from samples sent to a contract laboratory must have information on the chain of custody, the analytical method, QA/QC results, and documentation of accreditation for the parameter.

Discharge Monitoring Report forms must be submitted monthly whether or not the facility was discharging. If there was no discharge 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 shall retain records of all monitoring information for a minimum of three years. Such information shall 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 shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the Permittee or when requested by the Director.

C. Recording of Results

For each measurement or sample taken, the Permittee shall record the following information: (1) the date, exact place, method, and time of sampling or measurement; (2) the individual who performed the sampling or measurement; (3) the dates the analyses were performed; (4) the individual 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 shall be included in the calculation and reporting of the data submitted in the Permittee's DMR.

E. Twenty-four Hour Notice of Noncompliance Reporting

1. The Permittee must take the following action upon violation of any permit condition:

Immediately take action to stop, contain, and cleanup unauthorized discharges or otherwise stop the noncompliance and correct the problem and, if applicable, immediately repeat sampling and analysis. The results of any repeat sampling shall be submitted to the Washington State Department of Ecology (Department) within 30 days of sampling.
2. The Permittee must report the following occurrences of noncompliance by telephone, to the Department at (360) 407-6300, 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;
 - b. any unanticipated **bypass** that exceeds any effluent limitation in the permit (See Part S4.A., “Bypass Procedures”);
 - c. any **upset** that exceeds any effluent limitation in the permit (See G.15, “Upset”);
 - d. any violation of a maximum daily or instantaneous maximum discharge limitation for any of the pollutants in S1.A.; or
 - e. any overflow prior to the treatment works, whether or not such overflow endangers health or the environment or exceeds any effluent limitation in the permit.
3. The Permittee must also provide a written submission within five days of the time that the Permittee becomes aware of any event required to be reported under subpart 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 non compliance involves an overflow prior to the treatment works, an estimate of the quantity (in gallons) of untreated overflow.
4. The Department may waive the written report on a case-by-case basis if the oral report has been received within 24 hours of the noncompliance.
5. Reports must be submitted to the address in S3. (“REPORTING AND RECORDKEEPING 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 S3.A ("Reporting") are submitted. The reports must contain the information listed in paragraph E above, ("Twenty-four Hour Notice of Noncompliance Reporting"). 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.

G. Maintaining a Copy of This Permit

A copy of this permit must be kept at the permitted facility and be made available upon request to Department inspectors.

H. Immediate Noncompliance Notification

Any failure of the disinfection system, shall be reported immediately to the Department's Regional Office 24-hour number (360) 407-6300.

Any failure of the disinfection system, and any collection system overflows or plant bypass discharging to a shellfish area shall be reported immediately to the Department and the Department of Health, Shellfish Program. The Department's Southwest Regional Office 24-hour number is (360) 407-6300, and the Department of Health's Shellfish 24-hour number is (360) 786-4183.

S4. OPERATION AND MAINTENANCE

The Permittee shall, at all times, properly operate and maintain all facilities or systems of treatment and control (and related appurtenances) which are installed to achieve compliance with the terms and conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems, which are installed by a Permittee only when the operation is necessary to achieve compliance with the conditions of this permit.

A. Bypass Procedures

Bypass, which is the intentional diversion of waste streams from any portion of a treatment facility, is prohibited, and the Department may take enforcement action against a Permittee for bypass unless one of the following circumstances (1, 2, or 3) is applicable.

1. 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 this permit, or adversely impact public health as determined by the Department prior to the bypass. The Permittee shall submit prior notice, if possible, at least ten days before the date of the bypass.

2. Bypass Which is Unavoidable, Unanticipated, and Results in Noncompliance of this Permit.

This bypass is permitted only if:

- a. 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.
- b. There are no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, stopping production, maintenance during normal periods of equipment downtime (but not if adequate backup equipment should have been installed in the exercise of reasonable engineering judgement to prevent a bypass which occurred during normal periods of equipment downtime or preventative maintenance), or transport of untreated wastes to another treatment facility.
- c. The Department is properly notified of the bypass as required in condition S3E of this permit.

3. Bypass which is Anticipated and has the Potential to Result in Noncompliance of this Permit.

The Permittee shall notify the Department at least 30 days before the planned date of bypass. The notice shall contain (1) a description of the bypass and its cause; (2) an analysis of all known alternatives which would eliminate, reduce, or mitigate the need for bypassing; (3) a cost-effectiveness analysis of alternatives including comparative resource damage assessment; (4) the minimum and maximum duration of bypass under each alternative; (5) a recommendation as to the preferred alternative for conducting the bypass; (6) the projected date of bypass initiation; (7) a statement of compliance with SEPA; (8) a request for modification of water quality standards as provided for in WAC 173-201A-110, if an exceedance of any water quality standard is anticipated; and (9) steps taken or planned to reduce, eliminate, and prevent reoccurrence of the bypass.

For probable construction bypasses, the need to bypass is to be identified as early in the planning process as possible. The analysis required above shall be considered during preparation of the engineering report or facilities plan and plans and specifications and shall be included to the extent practical. In cases where the probable need to bypass is determined early, continued analysis is necessary up to and including the construction period in an effort to minimize or eliminate the bypass.

The Department will consider the following prior to issuing an administrative order for this type bypass:

- a. If the bypass is necessary to perform construction or maintenance-related activities essential to meet the requirements of this permit.
- b. If there are feasible alternatives to bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, stopping production, 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, the Department will approve or deny the request. The public shall 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 the Department under Revised Code of Washington (RCW) 90.48.120.

B. Duty to Mitigate

The Permittee is required to take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of this permit that has a reasonable likelihood of adversely affecting human health or the environment.

S5. APPLICATION FOR PERMIT RENEWAL

The Permittee shall submit an application for renewal of this permit by **January 3, 2011**.

S6. NON-ROUTINE AND UNANTICIPATED DISCHARGES

- A. Beginning on the effective date of this permit, the Permittee may discharge non-routine wastewater on a case-by-case basis if approved by the Department. Prior to any such discharge, the Permittee shall contact the Department and **at a minimum** provide the following information:
 1. The nature of the activity that is generating the discharge.
 2. Any alternatives to the discharge, such as reuse, storage, or recycling of the water.
 3. The total volume of water expected to be discharged.
 4. The results of the chemical analysis of the water. The water shall be analyzed for all constituents limited for the Permittee's discharge. The analysis shall also include hardness, any metals that are limited by water quality standards, and any other parameter deemed necessary by the Department. All discharges must comply with the effluent limitations as established in Condition S1. of this permit, water quality standards, sediment management standards, and any other limitations imposed by the Department.

5. The date of proposed discharge and the rate at which the water will be discharged, in gallons per minute. The discharge rate shall be limited to that which will not cause erosion of ditches or structural damage to culverts and their entrances or exits.
 6. If the proposed discharge is to a municipal storm drain and is approved by the Department, the Permittee shall notify the municipality of the discharge.
- B. The discharge cannot proceed until the Department has reviewed the information provided and has authorized the discharge. Authorization from the Department will be by letter to the Permittee or by an Administrative Order.

GENERAL CONDITIONS

G1. SIGNATORY REQUIREMENTS

All applications, reports, or information submitted to the Department shall be signed and certified.

- A. All permit applications shall be signed by either a responsible corporate officer of at least the level of vice president of a corporation, a general partner of a partnership, or the proprietor of a sole proprietorship.
- B. All reports required by this permit and other information requested by the Department shall 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 the Department.
 - 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 the Department 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 shall 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 shall allow an authorized representative of the Department, 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 the Department'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. The Department has 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 the Department determines that modification or revocation and reissuance is appropriate.
 2. The Department 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 G7) but will not be revoked and reissued after the effective date of the transfer except upon the request of the new Permittee.

G4. REPORTING PLANNED CHANGES

The Permittee shall, as soon as possible, but no later than 60 days prior to the proposed changes, give notice to the Department 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, and the submittal of a new application or supplement to the existing application, along with required engineering plans and reports, 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.

G5. PLAN REVIEW REQUIRED

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

G6. COMPLIANCE WITH OTHER LAWS AND STATUTES

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

G7. TRANSFER OF THIS PERMIT

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

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 the Department at least 30 days in advance of the proposed transfer date.
2. The notice includes a written agreement between the existing and new Permittee's containing a specific date transfer of permit responsibility, coverage, and liability between them.
3. The Department 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 the 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.

G8. REDUCED PRODUCTION FOR COMPLIANCE

The Permittee, in order to maintain compliance with its permit, shall control production and/or all discharges upon reduction, loss, failure, or bypass of the treatment facility 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 facility is reduced, lost, or fails.

G9. REMOVED SUBSTANCES

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

G10. DUTY TO PROVIDE INFORMATION

The Permittee shall submit to the Department, within a reasonable time, all information which the Department 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 shall also submit to the Department upon request, copies of records required to be kept by this permit.

G11. OTHER REQUIREMENTS OF 40 CFR

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

G12. ADDITIONAL MONITORING

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

G13. PAYMENT OF FEES

The Permittee shall submit payment of fees associated with this permit as assessed by the Department.

G14. PENALTIES FOR VIOLATING PERMIT CONDITIONS

Any person who is found guilty of willfully violating the terms and conditions of this permit shall be deemed guilty of a crime, and upon conviction thereof shall 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 shall 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 shall be a separate and distinct offense, and in case of a continuing violation, every day's continuance shall be deemed to be a separate and distinct violation.

G15. UPSET

Definition – “Upset” means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based permit effluent limitations because of factors beyond the reasonable control of the Permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

An upset constitutes an affirmative defense to an action brought for noncompliance with such technology-based permit effluent limitations if the requirements of the following paragraph are met.

A Permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs or other relevant evidence that: (1) an upset occurred and that the Permittee can identify the cause(s) of the upset; (2) the permitted facility was being properly operated at the time of the upset; (3) the Permittee submitted notice of the

upset as required in condition S3.E; and (4) the Permittee complied with any remedial measures required under S4.B of this permit.

In any enforcement proceedings the Permittee seeking to establish the occurrence of an upset has the burden of proof.

G16. PROPERTY RIGHTS

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

G17. DUTY TO COMPLY

The Permittee shall 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 shall 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 shall, upon conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than two 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 shall be a fine of not more than \$20,000 per day of violation, or by imprisonment of not more than four years, or by both.

G20. REPORTING ANTICIPATED NON-COMPLIANCE

The Permittee shall give advance notice to the Department 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, shall be scheduled during non-critical water quality periods and carried out in a manner approved by the Department.

G21. 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 the Department, it shall promptly submit such facts or information.

G22. REPORTING REQUIREMENTS APPLICABLE TO EXISTING MANUFACTURING, COMMERCIAL, MINING, AND SILVICULTURAL DISCHARGERS

The Permittee belonging to the categories of existing manufacturing, commercial, mining, or silviculture must notify the Department as soon as they know or have reason to believe:

- A. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant which is not limited in this permit, if that discharge will exceed the highest of the following “notification levels:”
 - 1. One hundred micrograms per liter (100 µg/L).
 - 2. Two hundred micrograms per liter (200 µg/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/L) for 2,4-dinitrophenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony.
 - 3. Five times the maximum concentration value reported for that pollutant in the permit application in accordance with 40 CFR 122.21(g)(7).
 - 4. The level established by the Director in accordance with 40 CFR 122.44(f).

- B. That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in this permit, if that discharge will exceed the highest of the following “notification levels:”
 - 1. Five hundred micrograms per liter (500 µg/L).
 - 2. One milligram per liter (1 mg/L) for antimony.
 - 3. Ten times the maximum concentration value reported for that pollutant in the permit application in accordance with 40 CFR 122.21(g)(7).
 - 4. The level established by the Director in accordance with 40 CFR 122.44(f).

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 shall be submitted no later than 14 days following each schedule date.

APPENDIX A--TECHNICAL CALCULATIONS

POLLUTANT SCAN LIMIT

All concentrations shown are in µg/L unless otherwise shown

CHEMICAL	Method Number	Detector	Method IDL or MDL	Published quantitation level	QL (Ftnt. 12)
METAL					
Antimony	200.7	ICP	32		
Arsenic	200.7	ICP	53		
Beryllium	200.7	ICP	0.3		
Cadmium	200.7	ICP	4		
Chromium	200.7	ICP	7		
Chromium +6, Dissolved	218.4	FAA/CE	8		
Copper	200.7	ICP	6		
Lead	200.7	GFAA	42		
Mercury	1631	Cold Vapor Revision	0.2 ng/L		
Nickel	200.7	ICP	15		
Selenium	200.7	ICP	75		
Silver	200.7	ICP	7		
Thallium	200.7	ICP	40		
Zinc	200.7	ICP	2		
Cyanide (total)	335.2	Titrimetric	20		
DIOXIN					
2,3,7,8-Tetrachloro-dibenzo-p-dioxin (TCDD)	613	GC/MS	0.002		
2,3,7,8-Tetrachloro-debenzo-p-dioxin (TCDD)	1613	HRGC/HRMS		10 ppq ¹	10 ppq
	613	CG/MS	0.002		
VOLATILE COMPOUNDS					
Acrolein	603	GC/FID	0.7		

CHEMICAL	Method Number	Detector	Method IDL or MDL	Published quantitation level	QL (Ftnt. 12)
Acrylonitrile	603	GC/FID	0.5		
Benzene	602	GC/PID	0.2		
Bromoform	601	GC/HECD	0.2		
Carbon Tetrachloride	624	GC/MS	2.8		
Chlorobenzene	602	GC/PID	0.2		
Chlorodibromomethane	601	GC/HECD	0.09		
Chloroethane	601	GC/HECD	0.52		
2-Chloroethyl vinyl ether	601	GC/HECD	0.13		
Chloroform	601	GC/HECD	0.05		
Dichlorobromomethane	601	GC/HECD	0.1		
1,1-Dichloroethane	601	GC/HECD	0.07		
1,2-Dichloroethane	601	GC/HECD	0.03		
Dichloroethylene	601	GC/HECD	0.13		
1,2-Dichloropropane	601	GC/HECD	0.04		
1,3-Dichloropropene					
cis-1,3-Dichloropropene	601	GC/HECD	0.34		
trans-1,3-Dichloropropene	601	GC/HECD	0.2		
Ethylbenzene	602	GC/PID	0.2		
Bromomethane	601	GC/HECD	1.18		
Chloromethane	601	GC/HECD	0.08		
Methylene Chloride	601	GC/HECD	0.25		
1,1,2,2-Tetrachloroethane	601	GC/HECD	0.03		
Tetrachloroethylene	601	GC/HECD	0.03		
Toluene	602	GC/PID	0.2		
1,2-trans-Dichloroethylene	601	GC/HECD	0.1		
1,1,1-Trichloroethane	601	GC/HECD	0.03		
1,1,2-Trichloroethane	601	GC/HECD	0.02		

CHEMICAL	Method Number	Detector	Method IDL or MDL	Published quantitation level	QL (Ftnt. 12)
Trichloroethylene	601	GC/HECD	0.12		
Vinyl Chloride	601	GC/HECD	0.18		
ACID COMPOUNDS					
2-Chlorophenol	604	GC/FID	0.31		
2,4-Dichlorophenol	604	GC/FID	0.39		
2,4-Dimethylphenol	604	GC/FID	0.32		
2 methyl 4,6-dinitrophenol	604	GC/FID	16		
2,4-Dinitrophenol	604	GC/FID	13		
2-Nitrophenol	604	GC/FID	0.45		
4-Nitrophenol	604	GC/ECD	0.7		
4 chloro-3-methylphenol	604	GC/FID	0.36		
Pentachlorophenol	604	GC/ECD	0.59		
Phenol	604	GC/FID	0.14		
2,4,6-Trichlorophenol	604	GC/ECD	0.58		
BASE/NEUTRAL COMPOUNDS					
Acenaphthene	610	HPLC	1.8		
Acenaphthylene	610	HPLC	2.3		
Anthracene	610	HPLC	0.66		
Benzdine	605	HPLC	0.08		
Benzo(a)anthracene	610	HPLC	0.013		
Benzo(a)pyrene	610	HPLC	0.023		
Benzo(ghi)perylene	610	HPLC	0.076		
Benzo(k)fluoranthene	610	HPLC	0.017		
Bis(2-chloroethoxy) methane	611	GC	0.5		
Bis(2-chloroethyl) ether	611	GC	0.3		
Bis(2-Ethylhexyl) Phthalate	611	GC	2		
4-Bromophenyl phenyl ether	625	GC/MS	1.9		
Butyl benzyl Phthalate	606	GC/ECD	0.34		
4-Chlorophenyl phenyl ether	611	GC/HECD	3.9		

CHEMICAL	Method Number	Detector	Method IDL or MDL	Published quantitation level	QL (Ftnt. 12)
Chrysene	610	HPLC	0.15		
Dibenzo (a,h) anthracene	610	HPLC	0.03		
1,2-Dichlorobenzene	601	GC/HECD	0.15		
1,3-Dichlorobenzene	601	GC/HECD	0.32		
1,4-Dichlorobenzene	601	GC/HECD	0.24		
3,3'-Dichlorobenzidine	605	HPLC	0.13		
Diethyl Phthalate	606	GC/ECD	0.49		
Dimethyl Phthalate	606	GC/ECD	0.29		
Di-n-Butyl Phthalate	606	GC/ECD	0.36		
2,4-Dinitrotoluene	609	GC/ECD	0.02		
Di-n-octyl Phthalate	606	GC/ECD	3		
1,2-Diphenylhydrazine	1625	GC/MS		20 = ML ²	20
Fluoranthene	610	HPLC	0.21		
Fluorene	610	HPLC	0.21		
Hexachlorobenzene	612	GC/ECD	0.5		
Hexachlorobutadiene	612	GC/ECD	0.34		
Hexachlorocyclopentadiene	612	GC/ECD	0.4		
Hexachloroethane	612	GC/ECD	0.03		
Indeno (1,2,3-cd) pyrene	610	HPLC	0.043		
Isophorone	609	GC/FID	5.7		
Naphthalene	625	GC/MS	1.6		
Nitrobenzene	625	GC/MS	1.9		
N-nitrosodimethylamine	607	GC/NPD	0.15		
N-nitrosodi-n-propylamine	607	GC/NPD	0.46		
N-nitrosodiphenylamine	607	GC/NPD	0.81		
Phenanthrene	610	HPLC	0.64		
Pyrene	610	HPLC	0.27		
1,2,4-Trichlorobenzene	612	GC/ECD	0.05		

CHEMICAL	Method Number	Detector	Method IDL or MDL	Published quantitation level	QL (Ftnt. 12)
PESTICIDES					
Aldrin	608	GC/ECD	0.004		
Alpha-BHC	608	GC/ECD	0.003		
Beta-BHC	608	GC/ECD	0.006		
Gamma-BHC (Lindane)	608	GC/ECD	0.004		
Delta-BHC	608	GC/ECD	0.009		
Chlordane	608	GC/ECD	0.014		
4,4'-DDT	608	GC/ECD	0.012		
4,4'-DDE (p,p-DDX)	625	GC/MS	0.004		
4,4'-DDD (p,p-TDE)	608	GC/ECD	0.011		
Dieldrin	608	GC/ECD	0.002		
Alpha-endosulfan	608	GC/ECD	0.014		
Beta-endosulfan	608	GC/ECD	0.004		
Endosulfan sulfate	608	GC/ECD	0.066		
Endrin	608	GC/ECD	0.006		
Endrin aldehyde	608	GC/ECD	0.023		
Heptachlor	608	GC/ECD	0.003		
Heptachlor epoxide	608	GC/ECD	0.083		
(BHC-hexachlorocyclo-					
hexane)					
PCB-1242	608	GC/ECD	0.065		
PCB-1254	625	GC/MS			
PCB-1221	625	GC/MS			
PCB-1232	608	GC/ECD		1.0 = USEPA CLP CRDL ³	1

CHEMICAL	Method Number	Detector	Method IDL or MDL	Published quantitation level	QL (Ftnt. 12)
PCB-1248	608	GC/ECD		1.0 = USEPA CLP CRDL	1
PCB-1260	608	GC/ECD		1.0 = USEPA CLP CRDL	1
PCB-1016	608	GC/ECD		1.0 = USEPA CLP CRDL	1
Toxaphene	608	GC/ECD	0.24		
¹ . PPQ = Parts per quadrillion					
² . ML = Minimum level					
³ . USEPA CLP CRDL = U.S. Environmental Protection Agency, Contract Laboratory Program, Contract Required Detection Limit.					