



STATE OF MAINE  
DEPARTMENT OF  
ENVIRONMENTAL PROTECTION



PAUL R. LEPAGE  
GOVERNOR

PAUL MERCER  
COMMISSIONER

July 9, 2018

Mr. Andrew P. Fitzpatrick  
Clinton Water District  
P.O. Box 358  
Clinton, ME. 04927  
[clintonwaterdistrict@gmail.com](mailto:clintonwaterdistrict@gmail.com)

*Sent via electronic mail  
Delivery confirmation requested*

**RE:    *Maine Pollutant Discharge Elimination System (MEPDES) Permit #ME0101699  
Maine Waste Discharge License (WDL) Application #W002589-6C-I-R  
Proposed Draft MEPDES Permit - Renewal***

Dear Mr. Fitzpatrick:

Attached is a proposed draft MEPDES permit and Maine WDL which the Department proposes to issue for your facility as a final document after opportunity for your review and comment. By transmittal of this letter, you are provided with an opportunity to comment on the proposed draft permit and its special and standard conditions. If it contains errors or does not accurately reflect present or proposed conditions, please respond to this Department so that changes can be considered.

By copy of this letter, the Department is requesting comments on the proposed draft permit from various state and federal agencies and from any other parties who have notified the Department of their interest in this matter.

The comment period begins on July 9, 2018 and ends on Thursday, August 9, 2018. All comments on the proposed draft permit must be received in the Department of Environmental Protection office on or before the close of business Thursday, August 9, 2018. Failure to submit comments in a timely fashion will result in the proposed draft/license permit document being issued as drafted.

AUGUSTA  
17 STATE HOUSE STATION  
AUGUSTA, MAINE 04333-0017  
(207) 287-7688 FAX: (207) 287-7826

BANGOR  
106 HOGAN ROAD, SUITE 6  
BANGOR, MAINE 04401  
(207) 941-4570 FAX: (207) 941-4584

PORTLAND  
312 CANCO ROAD  
PORTLAND, MAINE 04103  
(207) 822-6300 FAX: (207) 822-6303

PRESQUE ISLE  
1235 CENTRAL DRIVE, SKYWAY PARK  
PRESQUE ISLE, MAINE 04769  
(207) 764-0477 FAX: (207) 760-3143

Clinton Water District  
July 9, 2018  
Page 2 of 2

Comments in writing should be submitted to my attention at the following address:

Maine Department of Environmental Protection  
Bureau of Water Quality  
Division of Water Quality Management  
17 State House Station  
Augusta, ME 04333-0017  
[Cindy.L.Dionne@maine.gov](mailto:Cindy.L.Dionne@maine.gov)

If you have any questions regarding the matter, please feel free to contact me.

Sincerely,



Cindy L. Dionne  
Division of Water Quality Management  
Bureau of Water Quality  
ph: 207-287-7823

Enc.

cc: Barry Mower, DEP  
Pamela Parker, DEP  
Beth DeHaas, DEP  
Lori Mitchell, DEP  
Sean Mahoney, CLF  
Environmental Review, DMR  
Ellen Weitzler, USEPA  
Alex Rosenberg, USEPA  
Olga Vergara, USEPA  
Solanch Pastrana-Del Valle, USEPA  
Marelyn Vega, USEPA  
Richard Carvalho, USEPA  
Shelley Puleo, USEPA  
Environmental Review, IFW



DEPARTMENT ORDER

IN THE MATTER OF

CLINTON WATER DISTRICT	)	MAINE POLLUTANT DISCHARGE
CLINTON, KENNEBEC COUNTY, MAINE	)	ELIMINATION SYSTEM PERMIT
PUBLICLY OWNED TREATMENT WORKS	)	AND
ME0101699	)	WASTE DISCHARGE LICENSE
W002589-6C-I-R	)	<b>RENEWAL</b>
<b>APPROVAL</b>		

In compliance with the applicable provisions of *Pollution Control*, 38 M.R.S. §§ 411 – 424-B, *Water Classification Program*, 38 M.R.S. §§ 464 – 470 and *Federal Water Pollution Control Act*, Title 33 U.S.C. § 1251, *et seq.*, and applicable rules of the Department of Environmental Protection (Department), the Department has considered the application of the CLINTON WATER DISTRICT (CWD/District), with its supportive data, agency review comments, and other related materials on file and FINDS THE FOLLOWING FACTS:

**APPLICATION SUMMARY**

On February 1, 2018, the Department accepted as complete for processing an application from the permittee for the renewal of combination Maine Pollutant Discharge Elimination System (MEPDES) permit #ME0101699 / Maine Waste Discharge License (WDL) #W002589-6C-G-R, which was issued by the Department on April 17, 2013 for a five-year term. The 4/17/13 permit authorized the seasonal monthly average discharge of 0.35 million gallons per day (MGD) of secondary treated wastewater from a publicly owned treatment works (POTW) to the Sebasticook River, Class C, in Clinton, Maine.

**PERMIT SUMMARY**

This permitting action is different from the April 17, 2013 permit in that it:

1. Eliminates the waiver for percent removal requirements for biochemical oxygen demand (BOD<sub>5</sub>) and total suspended solids (TSS) when influent strength is less than 200 milligrams per liter (mg/L); and
2. Adjusts the *Escherichia coli* bacteria (*E.coli*) monitoring period to April 15th – October 31st and monthly average (geometric mean) pursuant to 38 M.R.S. §465 (4)(B).

## CONCLUSIONS

BASED on the findings in the attached and incorporated Fact Sheet dated July 9, 2018, and subject to the Conditions listed below, the Department makes the following CONCLUSIONS:

1. The discharge, either by itself or in combination with other discharges, will not lower the quality of any classified body of water below such classification.
2. The discharge, either by itself or in combination with other discharges, will not lower the quality of any unclassified body of water below the classification which the Department expects to adopt in accordance with State law.
3. The provisions of the State's antidegradation policy, *Classification of Maine waters*, 38 M.R.S. §464(4)(F), will be met, in that:
  - (a) Existing in-stream water uses and the level of water quality necessary to protect and maintain those existing uses will be maintained and protected;
  - (b) Where high quality waters of the State constitute an outstanding national resource, that water quality will be maintained and protected;
  - (c) Where the standards of classification of the receiving water body are not met, the discharge will not cause or contribute to the failure of the water body to meet the standards of classification;
  - (d) Where the actual quality of any classified receiving water body exceeds the minimum standards of the next highest classification that higher water quality will be maintained and protected; and
  - (e) Where a discharge will result in lowering the existing water quality of any water body, the Department has made the finding, following opportunity for public participation, that this action is necessary to achieve important economic or social benefits to the State.
4. The discharge will be subject to effluent limitations that require application of best practicable treatment as defined in *Conditions of licenses*, 38 M.R.S. § 414-A(1)(D).

**ACTION**

THEREFORE, the Department APPROVES the above noted application of the CLINTON WATER DISTRICT to seasonally discharge a monthly average of 0.35 MGD of secondary treated wastewater to the Sebasticook River, Class C, in Clinton, Maine, SUBJECT TO ALL APPLICABLE STANDARDS AND REGULATIONS AND THE FOLLOWING CONDITIONS:

1. *“Maine Pollutant Discharge Elimination System Permit Standard Conditions Applicable To All Permits,”* revised July 1, 2002, copy attached.
2. The attached Special Conditions, including any effluent limitations and monitoring requirements.
3. This permit becomes effective upon the date of signature below and expires at midnight five (5) years after that date. If a renewal application is timely submitted and accepted as complete for processing prior to the expiration of this permit, the terms and conditions of this permit and all subsequent modifications and minor revisions thereto remain in effect until a final Department decision on the renewal application becomes effective. *Maine Administrative Procedure Act*, 5 M.R.S. § 10002 and *Rules Concerning the Processing of Applications and Other Administrative Matters*, 06-096 C.M.R. 2(21)(A) (amended June 9, 2018).

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

DONE AND DATED AT AUGUSTA, MAINE, THIS \_\_\_\_ DAY OF \_\_\_\_\_ 2018.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: \_\_\_\_\_  
PAUL MERCER, Commissioner

Date of initial receipt of application: February 1, 2018  
Date of application acceptance: February 1, 2018

Date filed with Board of Environmental Protection \_\_\_\_\_

This Order prepared by Cindy L. Dionne, Bureau of Water Quality

## SPECIAL CONDITIONS

### A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

- The permittee is authorized to discharge secondary treated wastewater from Outfall #001A to the Sebasticook River during the period of **October 1 through May 31, inclusive**, of each year. Such discharges must be limited and monitored by the permittee as specified below <sup>(1)</sup>. **No discharge is authorized from the CWD between June 1 and September 30, inclusive**, of each year.

Effluent Characteristic	Discharge Limitations						Minimum Monitoring Requirements	
	Monthly Average	Weekly Average	Daily Maximum	Monthly Average	Weekly Average	Daily Maximum	Measurement Frequency	Sample Type
Flow [50050]	0.35 MGD [03]	---	Report MGD [03]	---	---	---	Daily When Discharging [WH/DS]	Recorder [RC]
BOD <sub>5</sub> [00310]	88 lbs./day [26]	131 lbs./day [26]	146 lbs./day [26]	30 mg/L [19]	45 mg/L [19]	50 mg/L [19]	2/Month [02/30]	Grab [GR]
BOD <sub>5</sub> Percent Removal <sup>(2)</sup> [81010]	---	---	---	85% [23]	---	---	1/Month [01/30]	Calculate [CA]
TSS [00530]	88 lbs./day [26]	131 lbs./day [26]	146 lbs./day [26]	30 mg/L [19]	45 mg/L [19]	50 mg/L [19]	2/Month [02/30]	Grab [GR]
TSS Percent Removal <sup>(2)</sup> [81011]	---	---	---	85% [23]	---	---	1/Month [01/30]	Calculate [CA]
Settleable Solids [00545]	---	---	---	---	---	0.3 ml/L [25]	2/Month [02/30]	Grab [GR]
<i>E. coli</i> Bacteria <sup>(3)</sup> (April 15 – Oct. 31) [31633]	---	---	---	100/100 ml <sup>(4)</sup> [13]	---	949/100 ml [13]	1/Week [01/07]	Grab [GR]
Total Residual Chlorine <sup>(5)</sup> [50060]	---	---	---	0.1 mg/L [19]	---	0.3 mg/L [19]	5/Week [05/07]	Grab [GR]
pH Standard Units (SU) [00400]	---	---	---	---	---	6.0 – 9.0 SU <sup>(6)</sup> [12]	2/Week [02/07]	Grab [GR]
Mercury <sup>(7)</sup> [71900]	---	---	---	4.5 ng/L [3M]	---	6.8 ng/L [3M]	1/Year [01/YR]	Grab [GR]

The italicized numeric values bracketed in the table and in subsequent text are code numbers that Department personnel utilize to code the monthly Discharge Monitoring Reports (DMRs).

**Footnotes:** See Pages 6 through 9 of this permit for applicable footnotes.

## SPECIAL CONDITIONS

### A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

2. **SCREENING LEVEL** - Beginning 24 months prior to permit expiration and lasting through 12 months prior to permit expiration (Year 4) and every five years thereafter if a renewal application is timely submitted and accepted as complete for processing prior to the expiration of this permit <sup>(1)</sup>.

	<u>Monthly Average</u>	<u>Daily Maximum</u>	<u>Monthly Average</u>	<u>Daily Maximum</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>
<b>Whole Effluent Toxicity <sup>(8)</sup></b>						
<b><u>Acute – NOEL</u></b>						
<i>Ceriodaphnia dubia</i> (Water flea) [TDA3B]	---	---	---	Report % [23]	1/Year [01/YR]	Grab [GR]
<i>Salvelinus fontinalis</i> (Brook trout) [TDA6F]	---	---	---	Report % [23]	1/Year [01/YR]	Grab [GR]
<b><u>Chronic – NOEL</u></b>						
<i>Ceriodaphnia dubia</i> (Water flea) [TBP3B]	---	---	---	Report % [23]	1/Year [01/YR]	Grab [GR]
<i>Salvelinus fontinalis</i> (Brook trout) [TBQ6F]	---	---	---	Report % [23]	1/Year [01/YR]	Grab [GR]
Analytical Chemistry <sup>(9,11)</sup> [51477]	---	---	---	Report µg/L [28]	3/Year [03/YR]	Grab [GR]
Priority Pollutant <sup>(10,11)</sup> [50008]	---	---	---	Report µg/L [28]	1/Year [01/YR]	Grab [GR]

**Footnotes:** See Pages 6 through 9 of this permit for applicable footnotes.

## SPECIAL CONDITIONS

### A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (cont'd)

#### Footnotes:

1. **Sampling** – The permittee must conduct sampling and analysis in accordance with; a) methods approved by 40 Code of Federal Regulations (CFR) Part 136, b) alternative methods approved by the Department in accordance with the procedures in 40 CFR Part 136, or c) as otherwise specified by the Department. Samples that are sent out for analysis must be analyzed by a laboratory certified by the State of Maine's Department of Health and Human Services for wastewater. Samples that are analyzed by laboratories operated by waste discharge facilities licensed pursuant to *Waste discharge licenses*, 38 M.R.S. § 413 are subject to the provisions and restrictions of *Maine Comprehensive and Limited Environmental Laboratory Certification Rules*, 10-144 C.M.R. 263 (effective April 1, 2010). Laboratory facilities that analyze compliance samples in-house are subject to the provisions and restrictions of 10-144 CMR 263. If the permittee monitors any pollutant more frequently than required by the permit using test procedures approved under 40 CFR Part 136 or as specified in this permit, the results of this monitoring must be included in the calculation and reporting of the data submitted in the Discharge Monitoring Report.
2. **Percent removal** – The treatment facility must maintain a minimum of 85 percent removal of both BOD<sub>5</sub> and TSS for all flows receiving secondary treatment during all months that the facility discharges. Compliance with the limitation is based on a twelve-month rolling average. Calendar monthly average percent removal values must be calculated based on influent and effluent concentrations. The twelve-month rolling average calculation is based on the most recent twelve-month period.
3. ***E. coli* bacteria** - *E. coli* bacteria limits and monitoring requirements are seasonal and apply between April 15th and October 31st of each year. Whereas this permitting action does not authorize the discharge of wastewater during the period of June 1 – September 30 of each year, bacteria limits are only applicable for this facility from April 15 – May 31 and October 1 – October 31 of each year. For instance, when the permittee discharges wastewater during the month of April but only prior to April 15<sup>th</sup>, the permittee must report “NODI-9” on the monthly DMR. In accordance with 38 M.R.S. § 414-A(5), the Department may, at any time and with notice to the permittee, modify this permit to establish bacteria limitations on a year-round basis to protect the health and welfare of the public.
4. **Bacteria Reporting** – The monthly average *E. coli* bacteria limitation is a geometric mean value and sample results must be reported as such.



## SPECIAL CONDITIONS

### A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (cont'd)

#### Footnotes:

5. **Total residual chlorine (TRC)** – Limitations and monitoring requirements are applicable whenever elemental chlorine or chlorine based compounds are being used to disinfect the discharge. The permittee must utilize approved test methods that are capable of bracketing the limitations in this permit.
6. **pH Range Limitation** – Effluent pH results outside the range of 6.0 – 9.0 SU are not to be reported as exceptions provided the cause(s) for the exceedance(s) are naturally occurring. The permittee must provide the Department with written documentation as to the cause(s) of the pH results if found outside the 6.0 – 9.0 range.
7. **Mercury** – The permittee must conduct all mercury monitoring required by this permit or required to determine compliance with interim limitations established pursuant to 06-096 CMR 519 in accordance with the U.S. Environmental Protection Agency's (USEPA) "clean sampling techniques" found in USEPA Method 1669, *Sampling Ambient Water For Trace Metals At EPA Water Quality Criteria Levels*. All mercury analysis must be conducted in accordance with USEPA Method 1631, *Determination of Mercury in Water by Oxidation, Purge and Trap, and Cold Vapor Fluorescence Spectrometry*. See **Attachment A** of this permit for a Department report form for mercury test results. Compliance with the monthly average limitation established in Special Condition A of this permit will be based on the cumulative arithmetic mean of all mercury tests results that were conducted utilizing sampling Method 1669 and analysis Method 1631E on file with the Department for this facility.
8. **Whole effluent toxicity (WET) testing** – Definitive WET testing is a multi-concentration testing event (a minimum of five dilutions bracketing the critical acute and chronic thresholds of 3.2% and 0.83%, respectively), which provides an estimate of toxicity in terms of No Observed Effect Level, commonly referred to as NOEL or NOEC. A-NOEL is defined as the acute no observed effect level with survival as the end point. C-NOEL is defined as the chronic no observed effect level with survival and reproduction for the water flea, and survival and growth for the trout as the end points. The critical acute and chronic thresholds were derived as the mathematical inverse of the applicable acute and chronic dilution factors of 31:1 and 121:1, respectively.
  - a. **Surveillance level testing** – Not required pursuant to 06-096 C.M.R. Ch. 530.

## **SPECIAL CONDITIONS**

### **A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (cont'd)**

Footnotes:

- b. **Screening level testing** – Beginning 24 months prior to permit expiration and lasting through 12 months prior to permit expiration (Year 4) and every five years thereafter, the permittee must conduct screening level acute and chronic WET testing at a minimum frequency of once per year using both the water flea and an approved salmonid species.

WET test results must be submitted to the Department not later than the next Discharge Monitoring Report (DMR) required by the permit, provided, however, that the permittee may review the toxicity reports for up to 10 business days of their availability before submitting them. The permittee must evaluate test results being submitted and identify to the Department possible exceedances of the critical acute and chronic water quality thresholds of 3.2% and 0.83%, respectively.

Toxicity tests must be conducted by an experienced laboratory approved by the Department. The laboratory must follow procedures as described in the following USEPA methods manuals as modified by Department protocol for salmonids. See **Attachment B** of this permit for the Department protocol.

- a. Short Term Methods for Estimating the Chronic Toxicity of Effluent and Receiving Water to Freshwater Organisms, Fourth Edition, October 2002, EPA-821-R-02-013.
- b. Methods for Measuring the Acute Toxicity of Effluent and Receiving Waters to Freshwater and Marine Organisms, Fifth Edition, October 2002, EPA-821-R-02-012.

Results of WET tests must be reported on the “WET Results Report – Fresh Waters” form included as **Attachment C** of this permit each time a WET test is performed. The permittee is required to analyze the effluent for the parameters specified on the “WET and Chemical Specific Data Report Form” included as **Attachment D** of this permit each time a WET test is performed.

## **SPECIAL CONDITIONS**

### **A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (cont'd)**

#### Footnotes:

9. **Analytical chemistry** – Refers to a suite of chemicals in **Attachment D** of this permit.
  - a. **Surveillance level testing** – Is not required pursuant to 06-096 C.M.R. Ch. 530.
  - b. **Screening level testing** – Beginning 24 months prior to permit expiration and lasting through 12 months prior to permit expiration (Year 4) and every five years thereafter, if a timely request for renewal has been made and the permit continues in force, or is replaced by a permit renewal containing this requirement, the permittee must conduct analytical chemistry testing at a minimum frequency of once per calendar quarter (1/Quarter). Whereas this permitting action prohibits discharges during the period of June 1 – September 30 of each year, the permittee must conduct a total of three (3) analytical chemistry testing events, with one test conducted in each of the following calendar periods: January – March, April – May, and October – December.
10. **Priority pollutant testing** – Refers to a suite of chemicals in **Attachment D** of this permit.
  - a. **Surveillance level testing** - Is not required pursuant to 06-096 CMR 530.
  - b. **Screening level testing** - Beginning 24 months prior to permit expiration and lasting through 12 months prior to permit expiration (Year 4) and every five years thereafter, the permittee must conduct screening level priority pollutant testing at a minimum frequency of once per year.
11. **Priority pollutant and analytical chemistry testing** – Testing must be conducted on samples collected at the same time as those collected for whole effluent toxicity tests when applicable. Priority pollutant and analytical chemistry testing must be conducted using methods that permit detection of a pollutant at existing levels in the effluent or that achieve minimum reporting levels of detection as specified by the Department.

Test results must be submitted to the Department not later than the next Discharge Monitoring Report (DMR) required by the permit, provided, however, that the permittee may review the toxicity reports for up to 10 business days of their availability before submitting them. The permittee must evaluate test results being submitted and identify to the Department, possible exceedances of the acute, chronic or human health AWQC as established in *Surface Water Quality Criteria for Toxic Pollutants*, 06-096 CMR 584 (effective October 9, 2005). For the purposes of DMR reporting, enter a “1” for yes, testing done this monitoring period or “NODI-9” monitoring not required this period.

## **SPECIAL CONDITIONS**

### **B. NARRATIVE EFFLUENT LIMITATIONS**

1. The permittee must not discharge effluent that contains a visible oil sheen, foam or floating solids at any time which would impair the uses designated for the classification of the receiving waters.
2. The permittee must not discharge effluent that contains materials in concentrations or combinations which are hazardous or toxic to aquatic life, or which would impair the uses designated for the classification of the receiving waters.
3. The permittee must not discharge effluent that causes visible discoloration or turbidity in the receiving waters or otherwise impairs the uses designated for the classification of the receiving waters.
4. The permittee must not discharge effluent that lowers the quality of any classified body of water below such classification, or lowers the existing quality of any body of water if the existing quality is higher than the classification.

### **C. TREATMENT PLANT OPERATOR**

The person who has management responsibility over the treatment facility must hold a Maine **Grade II**, Biological Treatment certificate (or higher) or must be a Maine Registered Professional Engineer pursuant to *Sewage Treatment Operators*, 32 M.R.S. § 4171-4182 and *Regulations for Wastewater Operator Certification*, 06-096 CMR 531 (effective May 8, 2006). All proposed contracts for facility operation by any person must be approved by the Department before the permittee may engage the services of the contract operator.

### **D. AUTHORIZED DISCHARGES**

The permittee is authorized to discharge only in accordance with: 1) the permittee's General Application for Waste Discharge Permit, accepted for processing on February 1, 2018; 2) the terms and conditions of this permit; and 3) only from Outfall #001A. Discharges of wastewater from any other point source are not authorized under this permit, and must be reported in accordance with Standard Condition D(1)(f), *Twenty-four hour reporting* of this permit.

## **SPECIAL CONDITIONS**

### **E. LIMITATIONS FOR INDUSTRIAL USERS**

Pollutants introduced into the wastewater collection and treatment system by a non-domestic source (user) must not pass through or interfere with the operation of the treatment system. The permittee must conduct an IWS any time a new industrial user proposes to discharge within its jurisdiction; an existing user proposes to make a significant change in its discharge; or at an alternative minimum, once every permit cycle, and submit the results to the Department. The IWS must identify, in terms of character and volume of pollutants, any Significant Industrial Users discharging into the publicly-owned treatment works (POTW) subject to Pretreatment Standards under section 307(b) of the federal Clean Water Act, 40 CFR Part 403 (general pretreatment regulations) or *Pretreatment Program*, 06-096 CMR 528 (last amended March 17, 2008).

### **F. NOTIFICATION REQUIREMENTS**

In accordance with Standard Condition D, the permittee must notify the Department of the following:

1. Any introduction of pollutants into the wastewater collection and treatment system from an indirect discharger in a primary industrial category discharging process wastewater; and;
2. Any substantial change (increase or decrease) in the volume or character of pollutants being introduced into the wastewater collection and treatment system by a source introducing pollutants into the system at the time of permit issuance.
3. For the purposes of this section, adequate notice must include information on:
  - (a) The quality and quantity of wastewater introduced to the wastewater collection and treatment system; and
  - (b) Any anticipated impact of the change in the quantity or quality of the wastewater to be discharged from the treatment system.

## **SPECIAL CONDITIONS**

### **G. OPERATION & MAINTENANCE (O&M) PLAN**

The permittee must maintain a current written comprehensive Operation & Maintenance (O&M) Plan for the facility. The plan must provide a systematic approach by which the permittee must at all times, properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit.

**By December 31 of each year, or within 90 days of any process changes or minor equipment upgrades,** the permittee must evaluate and modify the O&M Plan including site plan(s) and schematic(s) for the wastewater treatment facility to ensure that it is up-to-date. The O&M Plan must be kept on-site at all times and made available to Department and USEPA personnel upon request.

**Within 90 days of completion of new and or substantial upgrades of the wastewater treatment facility,** the permittee must submit the updated O&M Plan to their Department inspector for review and comment.

### **H. WET WEATHER MANAGEMENT PLAN**

The treatment facility staff must have a current written Wet Weather Management Plan to direct the staff on how to operate the facility effectively during periods of high flow. The Department acknowledges that the existing collection system may deliver flows in excess of the monthly average design capacity of the treatment plant during periods of high infiltration and rainfall.

The plan must conform to Department guidelines for such plans and must include operating procedures for a range of intensities, address solids handling procedures (including septic waste and other high strength wastes if applicable) and provide written operating and maintenance procedures during the events.

**The permittee must review their plan at least annually and record any necessary changes to keep the plan up to date.** The Department may require review and update of the plan as it is determined to be necessary.

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## **SPECIAL CONDITIONS**

### **I. 06-096 CMR 530(2)(D)(4) STATEMENT FOR REDUCED/WAIVED TOXICS TESTING**

**By December 31 of each calendar year**, the permittee must provide the Department with a certification describing any of the following that have occurred since the effective date of this permit [*ICIS Code 75305*]. See **Attachment B** of the Fact Sheet for an acceptable certification form to satisfy this Special Condition.

- (a) Changes in the number or types of non-domestic wastes contributed directly or indirectly to the wastewater treatment works that may increase the toxicity of the discharge;
- (b) Changes in the operation of the treatment works that may increase the toxicity of the discharge;
- (c) Changes in industrial manufacturing processes contributing wastewater to the treatment works that may increase the toxicity of the discharge;

In addition, in the comments section of the certification form, the permittee must provide the Department with statements describing;

- (d) Changes in stormwater collection or inflow/infiltration affecting the facility that may increase the toxicity of the discharge; and
- (e) Increases in the type or volume of transported (hauled) wastes accepted by the facility.

The Department may require that annual testing be re-instated if it determines that there have been changes in the character of the discharge or if annual certifications described above are not submitted.

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## **SPECIAL CONDITIONS**

### **J. MONITORING AND REPORTING**

#### Electronic Reporting

*NPDES Electronic Reporting*, 40 C.F.R. 127, requires MEPDES permit holders to submit monitoring results obtained during the previous month on an electronic discharge monitoring report to the regulatory agency utilizing the USEPA electronic system.

Electronic DMRs submitted using the USEPA NetDMR system, must be:

1. Submitted by a facility authorized signatory; and
2. Submitted no later than **midnight on the 15<sup>th</sup> day of the month** following the completed reporting period.

Documentation submitted in support of the electronic DMR may be attached to the electronic DMR. Toxics reporting must be done using the Department toxsheet reporting form. An electronic copy of the Toxsheet reporting document must be submitted to your Department compliance inspector as an attachment to an email. In addition, a hardcopy form of this sheet must be signed and submitted to your compliance inspector, or a copy attached to your NetDMR submittal will suffice.

Documentation submitted electronically to the Department in support of the electronic DMR must be submitted no later than midnight on the 15<sup>th</sup> day of the month following the completed reporting period.

### **K. REOPENING OF PERMIT FOR MODIFICATION**

In accordance with 38 M.R.S. § 414-A(5) and upon evaluation of the test results required by the Special Conditions of this permitting action, new site specific information, or any other pertinent test results or information obtained during the term of this permit, the Department may, at any time and with notice to the permittee, modify this permit to: (1) include effluent limitations necessary to control specific pollutants or whole effluent toxicity where there is a reasonable potential that the effluent may cause water quality criteria to be exceeded; (2) require additional monitoring if results on file are inconclusive; or (3) change monitoring requirements or limitations based on new information.

### **L. SEVERABILITY**

In the event that any provision or part thereof, of this permit is declared to be unlawful by a reviewing court, the remainder of the permit must remain in full force and effect, and must be construed and enforced in all aspects as if such unlawful provision, or part thereof, had been omitted, unless otherwise ordered by the court.



MAINE POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT

STANDARD CONDITIONS APPLICABLE TO ALL PERMITS

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# MAINE POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT

## STANDARD CONDITIONS APPLICABLE TO ALL PERMITS

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### A. GENERAL PROVISIONS

**1. General compliance.** All discharges shall be consistent with the terms and conditions of this permit; any changes in production capacity or process modifications which result in changes in the quantity or the characteristics of the discharge must be authorized by an additional license or by modifications of this permit; it shall be a violation of the terms and conditions of this permit to discharge any pollutant not identified and authorized herein or to discharge in excess of the rates or quantities authorized herein or to violate any other conditions of this permit.

**2. Other materials.** Other materials ordinarily produced or used in the operation of this facility, which have been specifically identified in the application, may be discharged at the maximum frequency and maximum level identified in the application, provided:

- (a) They are not
  - (i) Designated as toxic or hazardous under the provisions of Sections 307 and 311, respectively, of the Federal Water Pollution Control Act; Title 38, Section 420, Maine Revised Statutes; or other applicable State Law; or
  - (ii) Known to be hazardous or toxic by the licensee.
- (b) The discharge of such materials will not violate applicable water quality standards.

**3. Duty to comply.** The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of State law and 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.

- (a) The permittee shall comply with effluent standards or prohibitions established under section 307(a) of the Clean Water Act, and 38 MRSA, §420 or Chapter 530.5 for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement.
- (b) Any person who violates any provision of the laws administered by the Department, including without limitation, a violation of the terms of any order, rule license, permit, approval or decision of the Board or Commissioner is subject to the penalties set forth in 38 MRSA, §349.

**4. Duty to provide information.** The permittee shall furnish to the Department, within a reasonable time, any 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 furnish to the Department upon request, copies of records required to be kept by this permit.

**5. Permit actions.** This permit may be modified, revoked and reissued, or terminated for cause. 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 stay any permit condition.

**6. Reopener clause.** The Department reserves the right to make appropriate revisions to this permit in order to establish any appropriate effluent limitations, schedule of compliance or other provisions which may be authorized under 38 MRSA, §414-A(5).

# MAINE POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT

## STANDARD CONDITIONS APPLICABLE TO ALL PERMITS

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**7. Oil and hazardous substances.** Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties to which the permittee is or may be subject under section 311 of the Federal Clean Water Act; section 106 of the Federal Comprehensive Environmental Response, Compensation and Liability Act of 1980; or 38 MRSA §§ 1301, et. seq.

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

**9. Confidentiality of records.** 38 MRSA §414(6) reads as follows. "Any records, reports or information obtained under this subchapter is available to the public, except that upon a showing satisfactory to the department by any person that any records, reports or information, or particular part or any record, report or information, other than the names and addresses of applicants, license applications, licenses, and effluent data, to which the department has access under this subchapter would, if made public, divulge methods or processes that are entitled to protection as trade secrets, these records, reports or information must be confidential and not available for public inspection or examination. Any records, reports or information may be disclosed to employees or authorized representatives of the State or the United States concerned with carrying out this subchapter or any applicable federal law, and to any party to a hearing held under this section on terms the commissioner may prescribe in order to protect these confidential records, reports and information, as long as this disclosure is material and relevant to any issue under consideration by the department."

**10. Duty to reapply.** If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and obtain a new permit.

**11. Other laws.** The issuance of this permit does not authorize any injury to persons or property or invasion of other property rights, nor does it relieve the permittee of its obligation to comply with other applicable Federal, State or local laws and regulations.

**12. Inspection and entry.** The permittee shall allow the Department, or an authorized representative (including an authorized contractor acting as a representative of the EPA Administrator), upon presentation of credentials and other documents as may be required by law, to:

- (a) Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
- (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
- (d) Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act, any substances or parameters at any location.

## **B. OPERATION AND MAINTENANCE OF FACILITIES**

### **1. General facility requirements.**

- (a) The permittee shall collect all waste flows designated by the Department as requiring treatment and discharge them into an approved waste treatment facility in such a manner as to

# MAINE POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT

## STANDARD CONDITIONS APPLICABLE TO ALL PERMITS

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- maximize removal of pollutants unless authorization to the contrary is obtained from the Department.
- (b) The permittee shall at all times maintain in good working order and operate at maximum efficiency all waste water collection, treatment and/or control facilities.
  - (c) All necessary waste treatment facilities will be installed and operational prior to the discharge of any wastewaters.
  - (d) Final plans and specifications must be submitted to the Department for review prior to the construction or modification of any treatment facilities.
  - (e) The permittee shall install flow measuring facilities of a design approved by the Department.
  - (f) The permittee must provide an outfall of a design approved by the Department which is placed in the receiving waters in such a manner that the maximum mixing and dispersion of the wastewaters will be achieved as rapidly as possible.

**2. Proper operation and maintenance.** The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the 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 the permit.

**3. Need to halt or reduce activity not a defense.** It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

**4. Duty to mitigate.** The permittee shall take all reasonable steps to minimize or prevent any discharge or sludge use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

### **5. Bypasses.**

- (a) Definitions.
  - (i) Bypass means the intentional diversion of waste streams from any portion of a treatment facility.
  - (ii) Severe property damage means substantial physical damage to property, damage to the treatment facilities which causes 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. Severe property damage does not mean economic loss caused by delays in production.
- (b) Bypass not exceeding limitations. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of paragraphs (c) and (d) of this section.
- (c) Notice.
  - (i) Anticipated bypass. If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least ten days before the date of the bypass.

MAINE POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT

STANDARD CONDITIONS APPLICABLE TO ALL PERMITS

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- (ii) Unanticipated bypass. The permittee shall submit notice of an unanticipated bypass as required in paragraph D(1)(f), below. (24-hour notice).
- (d) Prohibition of bypass.
  - (i) Bypass is prohibited, and the Department may take enforcement action against a permittee for bypass, unless:
    - (A) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
    - (B) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
    - (C) The permittee submitted notices as required under paragraph (c) of this section.
  - (ii) The Department may approve an anticipated bypass, after considering its adverse effects, if the Department determines that it will meet the three conditions listed above in paragraph (d)(i) of this section.

**6. Upsets.**

- (a) 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.
- (b) Effect of an upset. An upset constitutes an affirmative defense to an action brought for noncompliance with such technology based permit effluent limitations if the requirements of paragraph (c) of this section are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.
- (c) Conditions necessary for a demonstration of upset. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:
  - (i) An upset occurred and that the permittee can identify the cause(s) of the upset;
  - (ii) The permitted facility was at the time being properly operated; and
  - (iii) The permittee submitted notice of the upset as required in paragraph D(1)(f) , below. (24 hour notice).
  - (iv) The permittee complied with any remedial measures required under paragraph B(4).
- (d) Burden of proof. In any enforcement proceeding the permittee seeking to establish the occurrence of an upset has the burden of proof.

# MAINE POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT

## STANDARD CONDITIONS APPLICABLE TO ALL PERMITS

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### C. MONITORING AND RECORDS

**1. General Requirements.** This permit shall be subject to such monitoring requirements as may be reasonably required by the Department including the installation, use and maintenance of monitoring equipment or methods (including, where appropriate, biological monitoring methods). The permittee shall provide the Department with periodic reports on the proper Department reporting form of monitoring results obtained pursuant to the monitoring requirements contained herein.

**2. Representative sampling.** Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge. If effluent limitations are based wholly or partially on quantities of a product processed, the permittee shall ensure samples are representative of times when production is taking place. Where discharge monitoring is required when production is less than 50%, the resulting data shall be reported as a daily measurement but not included in computation of averages, unless specifically authorized by the Department.

### **3. Monitoring and records.**

- (a) Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
- (b) Except for records of monitoring information required by this permit related to the permittee's sewage sludge use and disposal activities, which shall be retained for a period of at least five years, the permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart 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, for a period of at least 3 years from the date of the sample, measurement, report or application. This period may be extended by request of the Department at any time.
- (c) Records of monitoring information shall include:
  - (i) The date, exact place, and time of sampling or measurements;
  - (ii) The individual(s) who performed the sampling or measurements;
  - (iii) The date(s) analyses were performed;
  - (iv) The individual(s) who performed the analyses;
  - (v) The analytical techniques or methods used; and
  - (vi) The results of such analyses.
- (d) Monitoring results must be conducted according to test procedures approved under 40 CFR part 136, unless other test procedures have been specified in the permit.
- (e) State law provides that any person who tampers with or renders inaccurate any monitoring devices or method required by any provision of law, or any order, rule license, permit approval or decision is subject to the penalties set forth in 38 MRSA, §349.

MAINE POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT

STANDARD CONDITIONS APPLICABLE TO ALL PERMITS

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**D. REPORTING REQUIREMENTS**

**1. Reporting requirements.**

- (a) Planned changes. The permittee shall give notice to the Department as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required only when:
  - (i) The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in 40 CFR 122.29(b); or
  - (ii) The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit, nor to notification requirements under Section D(4).
  - (iii) The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan;
- (b) Anticipated noncompliance. The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- (c) Transfers. This permit is not transferable to any person except upon application to and approval of the Department pursuant to 38 MRSA, § 344 and Chapters 2 and 522.
- (d) Monitoring reports. Monitoring results shall be reported at the intervals specified elsewhere in this permit.
  - (i) Monitoring results must be reported on a Discharge Monitoring Report (DMR) or forms provided or specified by the Department for reporting results of monitoring of sludge use or disposal practices.
  - (ii) If the permittee monitors any pollutant more frequently than required by the permit using test procedures approved under 40 CFR part 136 or as specified in the permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR or sludge reporting form specified by the Department.
  - (iii) Calculations for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified by the Department in the permit.
- (e) 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.
- (f) Twenty-four hour reporting.
  - (i) The permittee shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance

# MAINE POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT

## STANDARD CONDITIONS APPLICABLE TO ALL PERMITS

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has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.

- (ii) The following shall be included as information which must be reported within 24 hours under this paragraph.

- (A) Any unanticipated bypass which exceeds any effluent limitation in the permit.

- (B) Any upset which exceeds any effluent limitation in the permit.

- (C) Violation of a maximum daily discharge limitation for any of the pollutants listed by the Department in the permit to be reported within 24 hours.

- (iii) The Department may waive the written report on a case-by-case basis for reports under paragraph (f)(ii) of this section if the oral report has been received within 24 hours.

- (g) Other noncompliance. The permittee shall report all instances of noncompliance not reported under paragraphs (d), (e), and (f) of this section, at the time monitoring reports are submitted. The reports shall contain the information listed in paragraph (f) of this section.

- (h) 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.

**2. Signatory requirement.** All applications, reports, or information submitted to the Department shall be signed and certified as required by Chapter 521, Section 5 of the Department's rules. State law provides that any person who knowingly makes any false statement, representation or certification in any application, record, report, plan or other document filed or required to be maintained by any order, rule, permit, approval or decision of the Board or Commissioner is subject to the penalties set forth in 38 MRSA, §349.

**3. Availability of reports.** Except for data determined to be confidential under A(9), above, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Department. As required by State law, effluent data shall not be considered confidential. Knowingly making any false statement on any such report may result in the imposition of criminal sanctions as provided by law.

**4. Existing manufacturing, commercial, mining, and silvicultural dischargers.** In addition to the reporting requirements under this Section, all existing manufacturing, commercial, mining, and silvicultural dischargers 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 the permit, if that discharge will exceed the highest of the following "notification levels":

- (i) One hundred micrograms per liter (100 ug/l);

- (ii) Two hundred micrograms per liter (200 ug/l) for acrolein and acrylonitrile; five hundred micrograms per liter (500 ug/l) for 2,4-dinitrophenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter (1 mg/l) for antimony;

- (iii) Five (5) times the maximum concentration value reported for that pollutant in the permit application in accordance with Chapter 521 Section 4(g)(7); or

- (iv) The level established by the Department in accordance with Chapter 523 Section 5(f).



## MAINE POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT

### STANDARD CONDITIONS APPLICABLE TO ALL PERMITS

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- (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 the permit, if that discharge will exceed the highest of the following "notification levels":
  - (i) Five hundred micrograms per liter (500 ug/l);
  - (ii) One milligram per liter (1 mg/l) for antimony;
  - (iii) Ten (10) times the maximum concentration value reported for that pollutant in the permit application in accordance with Chapter 521 Section 4(g)(7); or
  - (iv) The level established by the Department in accordance with Chapter 523 Section 5(f).

#### **5. Publicly owned treatment works.**

- (a) All POTWs must provide adequate notice to the Department of the following:
  - (i) Any new introduction of pollutants into the POTW from an indirect discharger which would be subject to section 301 or 306 of CWA or Chapter 528 if it were directly discharging those pollutants.
  - (ii) Any substantial change in the volume or character of pollutants being introduced into that POTW by a source introducing pollutants into the POTW at the time of issuance of the permit.
  - (iii) For purposes of this paragraph, adequate notice shall include information on (A) the quality and quantity of effluent introduced into the POTW, and (B) any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW.
- (b) When the effluent discharged by a POTW for a period of three consecutive months exceeds 80 percent of the permitted flow, the permittee shall submit to the Department a projection of loadings up to the time when the design capacity of the treatment facility will be reached, and a program for maintaining satisfactory treatment levels consistent with approved water quality management plans.

#### **E. OTHER REQUIREMENTS**

**1. Emergency action - power failure.** Within thirty days after the effective date of this permit, the permittee shall notify the Department of facilities and plans to be used in the event the primary source of power to its wastewater pumping and treatment facilities fails as follows.

- (a) For municipal sources. During power failure, all wastewaters which are normally treated shall receive a minimum of primary treatment and disinfection. Unless otherwise approved, alternate power supplies shall be provided for pumping stations and treatment facilities. Alternate power supplies shall be on-site generating units or an outside power source which is separate and independent from sources used for normal operation of the wastewater facilities.
- (b) For industrial and commercial sources. The permittee shall either maintain an alternative power source sufficient to operate the wastewater pumping and treatment facilities or halt, reduce or otherwise control production and or all discharges upon reduction or loss of power to the wastewater pumping or treatment facilities.

# MAINE POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT

## STANDARD CONDITIONS APPLICABLE TO ALL PERMITS

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**2. Spill prevention.** (applicable only to industrial sources) Within six months of the effective date of this permit, the permittee shall submit to the Department for review and approval, with or without conditions, a spill prevention plan. The plan shall delineate methods and measures to be taken to prevent and or contain any spills of pulp, chemicals, oils or other contaminants and shall specify means of disposal and or treatment to be used.

**3. Removed substances.** Solids, sludges trash rack cleanings, filter backwash, or other pollutants removed from or resulting from the treatment or control of waste waters shall be disposed of in a manner approved by the Department.

**4. Connection to municipal sewer.** (applicable only to industrial and commercial sources) All wastewaters designated by the Department as treatable in a municipal treatment system will be cosigned to that system when it is available. This permit will expire 90 days after the municipal treatment facility becomes available, unless this time is extended by the Department in writing.

**F. DEFINITIONS.** For the purposes of this permit, the following definitions shall apply. Other definitions applicable to this permit may be found in Chapters 520 through 529 of the Department's rules

**Average** means the arithmetic mean of values taken at the frequency required for each parameter over the specified period. For bacteria, the average shall be the geometric mean.

**Average monthly discharge limitation** means 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. Except, however, bacteriological tests may be calculated as a geometric mean.

**Average weekly discharge limitation** means the highest allowable average of daily discharges over a calendar week, calculated as the sum of all daily discharges measured during a calendar week divided by the number of daily discharges measured during that week.

**Best management practices ("BMPs")** means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the State. BMPs also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

**Composite sample** means a sample consisting of a minimum of eight grab samples collected at equal intervals during a 24 hour period (or a lesser period as specified in the section on monitoring and reporting) and combined proportional to the flow over that same time period.

**Continuous discharge** means a discharge which occurs without interruption throughout the operating hours of the facility, except for infrequent shutdowns for maintenance, process changes, or other similar activities.

**Daily discharge** means the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. 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 pollutants with limitations expressed in other units of measurement, the daily discharge is calculated as the average measurement of the pollutant over the day.

# MAINE POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT

## STANDARD CONDITIONS APPLICABLE TO ALL PERMITS

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**Discharge Monitoring Report ("DMR")** means the EPA uniform national form, including any subsequent additions, revisions, or modifications for the reporting of self-monitoring results by permittees. DMRs must be used by approved States as well as by EPA. EPA will supply DMRs to any approved State upon request. The EPA national forms may be modified to substitute the State Agency name, address, logo, and other similar information, as appropriate, in place of EPA's.

**Flow weighted composite sample** means a composite sample consisting of a mixture of aliquots collected at a constant time interval, where the volume of each aliquot is proportional to the flow rate of the discharge.

**Grab sample** means an individual sample collected in a period of less than 15 minutes.

**Interference** means a Discharge which, alone or in conjunction with a discharge or discharges from other sources, both:

- (1) Inhibits or disrupts the POTW, its treatment processes or operations, or its sludge processes, use or disposal; and
- (2) Therefore is a cause of a violation of any requirement of the POTW's NPDES permit (including an increase in the magnitude or duration of a violation) or of the prevention of sewage sludge use or disposal in compliance with the following statutory provisions and regulations or permits issued thereunder (or more stringent State or local regulations): Section 405 of the Clean Water Act, the Solid Waste Disposal Act (SWDA) (including title II, more commonly referred to as the Resource Conservation and Recovery Act (RCRA), and including State regulations contained in any State sludge management plan prepared pursuant to subtitle D of the SWDA), the Clean Air Act, the Toxic Substances Control Act, and the Marine Protection, Research and Sanctuaries Act.

**Maximum daily discharge limitation** means the highest allowable daily discharge.

**New source** means any building, structure, facility, or installation from which there is or may be a discharge of pollutants, the construction of which commenced:

- (a) After promulgation of standards of performance under section 306 of CWA which are applicable to such source, or
- (b) After proposal of standards of performance in accordance with section 306 of CWA which are applicable to such source, but only if the standards are promulgated in accordance with section 306 within 120 days of their proposal.

**Pass through** means a discharge which exits the POTW into waters of the State in quantities or concentrations which, alone or in conjunction with a discharge or discharges from other sources, is a cause of a violation of any requirement of the POTW's NPDES permit (including an increase in the magnitude or duration of a violation).

**Permit** means an authorization, license, or equivalent control document issued by EPA or an approved State to implement the requirements of 40 CFR parts 122, 123 and 124. Permit includes an NPDES general permit (Chapter 529). Permit does not include any permit which has not yet been the subject of final agency action, such as a draft permit or a proposed permit.

**Person** means an individual, firm, corporation, municipality, quasi-municipal corporation, state agency, federal agency or other legal entity.

# MAINE POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT

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**Point source** means any discernible, confined and discrete conveyance, including, but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation or vessel or other floating craft, from which pollutants are or may be discharged.

**Pollutant** means dredged spoil, solid waste, junk, incinerator residue, sewage, refuse, effluent, garbage, sewage sludge, munitions, chemicals, biological or radiological materials, oil, petroleum products or byproducts, heat, wrecked or discarded equipment, rock, sand, dirt and industrial, municipal, domestic, commercial or agricultural wastes of any kind.

**Process wastewater** means any water which, during manufacturing or processing, comes into direct contact with or results from the production or use of any raw material, intermediate product, finished product, byproduct, or waste product.

**Publicly owned treatment works ("POTW")** means any facility for the treatment of pollutants owned by the State or any political subdivision thereof, any municipality, district, quasi-municipal corporation or other public entity.

**Septage** means, for the purposes of this permit, any waste, refuse, effluent sludge or other material removed from a septic tank, cesspool, vault privy or similar source which concentrates wastes or to which chemicals have been added. Septage does not include wastes from a holding tank.

**Time weighted composite** means a composite sample consisting of a mixture of equal volume aliquots collected over a constant time interval.

**Toxic pollutant** includes any pollutant listed as toxic under section 307(a)(1) or, in the case of sludge use or disposal practices, any pollutant identified in regulations implementing section 405(d) of the CWA. Toxic pollutant also includes those substances or combination of substances, including disease causing agents, which after discharge or upon exposure, ingestion, inhalation or assimilation into any organism, including humans either directly through the environment or indirectly through ingestion through food chains, will, on the basis of information available to the board either alone or in combination with other substances already in the receiving waters or the discharge, cause death, disease, abnormalities, cancer, genetic mutations, physiological malfunctions, including malfunctions in reproduction, or physical deformations in such organism or their offspring.

**Wetlands** means those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas.

**Whole effluent toxicity** means the aggregate toxic effect of an effluent measured directly by a toxicity test.

# **ATTACHMENT A**

4/19/2018

**MERCURY REPORT - Clean Test Only**

**Data Date Range:** 04/19/1990 - 04/19/2018

**Inspector Name:** BETH DEHAAS



**Facility:** CLINTON WATER DISTRICT

**Permit Number:** ME0101699

**Max (ng/l):** 3.1000

**Average (ng/l):** 1.5888

Sample Date	Result (ng/l)	Lsthan	Clean
06/28/1999	0.95	N	T
10/29/1999	0.38	N	T
02/17/2000	1.40	N	T
03/20/2000	2.70	N	T
05/30/2000	2.30	N	T
08/23/2000	1.40	N	T
02/21/2001	1.40	N	T
04/23/2001	3.10	N	T
07/02/2001	1.10	N	T
02/21/2002	1.50	N	T
07/10/2002	2.90	N	T
04/19/2004	2.30	N	T
07/07/2004	1.80	N	T
09/07/2004	2.40	N	T
12/14/2004	1.80	N	T
10/17/2005	1.00	Y	T
12/28/2005	1.10	N	T
03/17/2006	2.27	N	T
11/21/2006	1.01	Y	T
04/04/2007	2.66	N	T
11/28/2007	2.17	N	T
04/23/2008	2.20	N	T
12/18/2008	1.90	N	T
04/15/2009	1.80	N	T
12/16/2009	0.80	N	T
04/29/2010	0.86	N	T
12/15/2010	0.71	N	T
04/27/2011	1.20	N	T
10/10/2012	0.55	N	T
01/16/2013	1.70	N	T
10/21/2014	0.85	N	T
01/21/2015	0.56	N	T
12/07/2016	0.50	Y	T
02/07/2017	2.75	N	T

**Effluent Mercury Test Report**

Name of Facility: \_\_\_\_\_ Federal Permit # ME \_\_\_\_\_

Purpose of this test: ☐ Initial limit determination  
☐ Compliance monitoring for: year \_\_\_\_\_ calendar quarter \_\_\_\_\_  
☐ Supplemental or extra test

**SAMPLE COLLECTION INFORMATION**

Sampling Date:	<table border="1"><tr><td> </td><td> </td><td> </td></tr><tr><td>mm</td><td>dd</td><td>yy</td></tr></table>				mm	dd	yy	Sampling time:	_____ AM/PM
mm	dd	yy							
Sampling Location:									
Weather Conditions: _____									
Please describe any unusual conditions with the influent or at the facility during or preceding the time of sample collection:									
Optional test - not required but recommended where possible to allow for the most meaningful evaluation of mercury results:									
Suspended Solids	_____ mg/L	Sample type:	_____ Grab (recommended) or _____ Composite						

**ANALYTICAL RESULT FOR EFFLUENT MERCURY**

Name of Laboratory: _____	
Date of analysis: _____	Result: <span style="background-color: yellow;">      </span> ng/L (PPT)
Please Enter Effluent Limits for your facility	
Effluent Limits: Average = _____ ng/L	Maximum = _____ ng/L
Please attach any remarks or comments from the laboratory that may have a bearing on the results or their interpretation. If duplicate samples were taken at the same time please report the average.	

**CERTIFICATION**

I certify that to the best of my knowledge the foregoing information is correct and representative of conditions at the time of sample collection. The sample for mercury was collected and analyzed using EPA Methods 1669 (clean sampling) and 1631 (trace level analysis) in accordance with instructions from the DEP.	
By: _____	Date: _____
Title: _____	

PLEASE MAIL THIS FORM TO YOUR ASSIGNED INSPECTOR

## **ATTACHMENT B**



## Salmonid Survival and Growth Test

The Salmonid survival and growth test must follow the procedures for the fathead minnow larval survival and growth tests detailed in USEPA's freshwater acute and chronic methods manuals with the following Department modifications:

**Species** - Brook Trout, *Salvelinus fontinalis*, or other salmonid approved by the Department.

**Age** - Less than six months old for the first test each year and less than twelve months for subsequent tests.

**Size** - The largest fish must not be greater than 150% of the smallest.

**Loading Rate** - < 0.5 g/l/day

**Feeding rate** - 5% of body weight 3 times daily (15%/day)

**Temperature** -  $12^{\circ} \pm 1^{\circ}\text{C}$

**Dissolved Oxygen** - 6.5 mg/l ,aeration if needed with large bubbles (> 1 mm diameter) at a rate of <100/min

**Dilution Water** - Receiving water upstream of discharge (or other ambient water approved by the Department)

**Dilution Series** - A minimum of 5 effluent concentrations (including the instream waste concentrations bracketing acute and chronic dilutions calculated pursuant to Section D); a receiving water control; and control of known suitable water quality

**Duration** - Acute = 48 hours  
- Chronic = 10 days minimum

**Test acceptability** - Acute = minimum of 90% survival in 2 days  
Chronic = minimum of 80% survival in 10 days; minimum growth of 20 mg/gm/d dry weight in controls, (individual fish weighed, dried at 100°C to constant weight and weighed to 3 significant figures)

## **ATTACHMENT C**

**MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION  
WHOLE EFFLUENT TOXICITY REPORT  
FRESH WATERS**

Facility Name \_\_\_\_\_ MEPDES Permit # \_\_\_\_\_  
Pipe # \_\_\_\_\_

Facility Representative \_\_\_\_\_ Signature \_\_\_\_\_

By signing this form, I attest that to the best of my knowledge that the information provided is true, accurate, and complete.

Facility Telephone # \_\_\_\_\_ Date Collected \_\_\_\_\_ Date Tested \_\_\_\_\_  
mm/dd/yy mm/dd/yy

Chlorinated? \_\_\_\_\_ Dechlorinated? \_\_\_\_\_

Results	% effluent		Effluent Limitations
	water flea	trout	
A-NOEL			A-NOEL
C-NOEL			C-NOEL

Data summary	water flea			trout		
	% survival		no. young	% survival		final weight (mg)
QC standard	A>90	C>80	>15/female	A>90	C>80	> 2% increase
lab control						
receiving water control						
conc. 1 ( %)						
conc. 2 ( %)						
conc. 3 ( %)						
conc. 4 ( %)						
conc. 5 ( %)						
conc. 6 ( %)						
stat test used						

place \* next to values statistically different from controls

for trout show final wt and % incr for both controls

Reference toxicant	water flea		trout	
	A-NOEL	C-NOEL	A-NOEL	C-NOEL
toxicant/date				
limits (mg/L)				
results (mg/L)				

Comments \_\_\_\_\_

**Laboratory conducting test**  
Company Name \_\_\_\_\_ Company Rep. Name (Printed) \_\_\_\_\_  
Mailing Address \_\_\_\_\_ Company Rep. Signature \_\_\_\_\_  
City, State, ZIP \_\_\_\_\_

Report WET chemistry on DEP Form "ToxSheet (Fresh Water Version), March 2007."

## **ATTACHMENT D**

**Maine Department of Environmental Protection**  
**WET and Chem**

**This form is for reporting laboratory data and facility information. Official compliance reviews will be done by DEP.**

Facility Name \_\_\_\_\_ MEPDES # \_\_\_\_\_  
Pipe # \_\_\_\_\_

Facility Representative Signature \_\_\_\_\_  
To the best of my knowledge this information is true, accurate and complete.

Licensed Flow (MGD)	
Acute dilution factor	
Chronic dilution factor	
Human health dilution factor	
Criteria type: M(arine) or F(resh)	f

Flow for Day (MGD)<sup>(1)</sup> Flow Avg. for Month (MGD)<sup>(2)</sup> Date Sample Collected Date Sample Analyzed 

Laboratory \_\_\_\_\_ Telephone \_\_\_\_\_  
Address \_\_\_\_\_

Lab Contact \_\_\_\_\_ Lab ID # \_\_\_\_\_

Last Revision - July 1, 2015

ERROR WARNING ! Essential facility information is missing. Please check required entries in bold above.

## FRESH WATER VERSION

Please see the footnotes on the last page.

Receiving  
Water or  
Ambient[illegible]

WHOLE EFFLUENT TOXICITY											
			Effluent Limits, %				WET Result, % Do not enter % sign	Reporting Limit Check	Possible Exceedence <sup>(7)</sup>		
			Acute	Chronic					Acute	Chronic	
	Trout - Acute										
	Trout - Chronic										
	Water Flea - Acute										
	Water Flea - Chronic										
WET CHEMISTRY											
	pH (S.U.)    (9)										
	Total Organic Carbon (mg/L)					(8)					
	Total Solids (mg/L)										
	Total Suspended Solids (mg/L)										
	Alkalinity (mg/L)					(8)					
	Specific Conductance (umhos)										
	Total Hardness (mg/L)					(8)					
	Total Magnesium (mg/L)					(8)					
	Total Calcium (mg/L)					(8)					
ANALYTICAL CHEMISTRY <sup>(3)</sup>											
	Also do these tests on the effluent with WET. Testing on the receiving water is optional	Reporting Limit	Effluent Limits, ug/L					Reporting Limit Check	Possible Exceedence <sup>(7)</sup>		
			Acute <sup>(6)</sup>	Chronic <sup>(6)</sup>	Health <sup>(6)</sup>				Acute	Chronic	Health
	TOTAL RESIDUAL CHLORINE (mg/L) (9)	0.05			NA						
	AMMONIA	NA			(8)						
M	ALUMINUM	NA			(8)						
M	ARSENIC	5			(8)						
M	CADMIUM	1			(8)						
M	CHROMIUM	10			(8)						
M	COPPER	3			(8)						
M	CYANIDE, TOTAL	5			(8)						
	CYANIDE, AVAILABLE <sup>(3a)</sup>	5			(8)						
M	LEAD	3			(8)						
M	NICKEL	5			(8)						
M	SILVER	1			(8)						
M	ZINC	5			(8)						

**Maine Department of Environmental Protection  
WET and Chem**

**This form is for reporting laboratory data and facility information. Official compliance reviews will be done by DEP.**

PRIORITY POLLUTANTS <sup>(4)</sup>		Effluent Limits				Reporting Limit Check	Possible Exceedence <sup>(7)</sup>		
		Reporting Limit	Acute <sup>(6)</sup>	Chronic <sup>(6)</sup>	Health <sup>(6)</sup>		Acute	Chronic	Health
M	ANTIMONY	5							
M	BERYLLIUM	2							
M	MERCURY (5)	0.2							
M	SELENIUM	5							
M	THALLIUM	4							
A	2,4,6-TRICHLOROPHENOL	5							
A	2,4-DICHLOROPHENOL	5							
A	2,4-DIMETHYLPHENOL	5							
A	2,4-DINITROPHENOL	45							
A	2-CHLOROPHENOL	5							
A	2-NITROPHENOL	5							
A	4,6 DINITRO-O-CRESOL (2-Methyl-4,6-dinitrophenol)	25							
A	4-NITROPHENOL	20							
A	P-CHLORO-M-CRESOL (3-methyl-4-chlorophenol)+B80	5							
A	PENTACHLOROPHENOL	20							
A	PHENOL	5							
BN	1,2,4-TRICHLOROBENZENE	5							
BN	1,2-(O)DICHLOROBENZENE	5							
BN	1,2-DIPHENYLHYDRAZINE	20							
BN	1,3-(M)DICHLOROBENZENE	5							
BN	1,4-(P)DICHLOROBENZENE	5							
BN	2,4-DINITROTOLUENE	6							
BN	2,6-DINITROTOLUENE	5							
BN	2-CHLORONAPHTHALENE	5							
BN	3,3'-DICHLOROBENZIDINE	16.5							
BN	3,4-BENZO(B)FLUORANTHENE	5							
BN	4-BROMOPHENYLPHENYL ETHER	5							
BN	4-CHLOROPHENYL PHENYL ETHER	5							
BN	ACENAPHTHENE	5							
BN	ACENAPHTHYLENE	5							
BN	ANTHRACENE	5							
BN	BENZIDINE	45							
BN	BENZO(A)ANTHRACENE	8							
BN	BENZO(A)PYRENE	5							
BN	BENZO(G,H,I)PERYLENE	5							
BN	BENZO(K)FLUORANTHENE	5							
BN	BIS(2-CHLOROETHOXY)METHANE	5							
BN	BIS(2-CHLOROETHYL)ETHER	6							
BN	BIS(2-CHLOROISOPROPYL)ETHER	6							
BN	BIS(2-ETHYLHEXYL)PHTHALATE	10							
BN	BUTYLBENZYL PHTHALATE	5							
BN	CHRYSENE	5							
BN	DI-N-BUTYL PHTHALATE	5							
BN	DI-N-OCTYL PHTHALATE	5							
BN	DIBENZO(A,H)ANTHRACENE	5							
BN	DIETHYL PHTHALATE	5							
BN	DIMETHYL PHTHALATE	5							
BN	FLUORANTHENE	5							

**Maine Department of Environmental Protection  
WET and Chem**

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BN	FLUORENE	5										
BN	HEXACHLOROBENZENE	5										
BN	HEXACHLOROBUTADIENE	5										
BN	HEXACHLOROCYCLOPENTADIENE	10										
BN	HEXACHLOROETHANE	5										
BN	INDENO(1,2,3-CD)PYRENE	5										
BN	ISOPHORONE	5										
BN	N-NITROSODI-N-PROPYLAMINE	10										
BN	N-NITROSODIMETHYLAMINE	5										
BN	N-NITROSODIPHENYLAMINE	5										
BN	NAPHTHALENE	5										
BN	NITROBENZENE	5										
BN	PHENANTHRENE	5										
BN	PYRENE	5										
P	4,4'-DDD	0.05										
P	4,4'-DDE	0.05										
P	4,4'-DDT	0.05										
P	A-BHC	0.2										
P	A-ENDOSULFAN	0.05										
P	ALDRIN	0.15										
P	B-BHC	0.05										
P	B-ENDOSULFAN	0.05										
P	CHLORDANE	0.1										
P	D-BHC	0.05										
P	DIELDRIN	0.05										
P	ENDOSULFAN SULFATE	0.1										
P	ENDRIN	0.05										
P	ENDRIN ALDEHYDE	0.05										
P	G-BHC	0.15										
P	HEPTACHLOR	0.15										
P	HEPTACHLOR EPOXIDE	0.1										
P	PCB-1016	0.3										
P	PCB-1221	0.3										
P	PCB-1232	0.3										
P	PCB-1242	0.3										
P	PCB-1248	0.3										
P	PCB-1254	0.3										
P	PCB-1260	0.2										
P	TOXAPHENE	1										
V	1,1,1-TRICHLOROETHANE	5										
V	1,1,2,2-TETRACHLOROETHANE	7										
V	1,1,2-TRICHLOROETHANE	5										
V	1,1-DICHLOROETHANE	5										
V	1,1-DICHLOROETHYLENE (1,1-dichloroethene)	3										
V	1,2-DICHLOROETHANE	3										
V	1,2-DICHLOROPROPANE	6										
V	1,2-TRANS-DICHLOROETHYLENE (1,2-trans-dichloroethene)	5										
V	1,3-DICHLOROPROPYLENE (1,3-dichloropropene)	5										
V	2-CHLOROETHYL VINYL ETHER	20										
V	ACROLEIN	NA										
V	ACRYLONITRILE	NA										
V	BENZENE	5										

**Maine Department of Environmental Protection  
WET and Chem**

**This form is for reporting laboratory data and facility information. Official compliance reviews will be done by DEP.**

V	BROMOFORM	5									
V	CARBON TETRACHLORIDE	5									
V	CHLOROBENZENE	6									
V	CHLORODIBROMOMETHANE	3									
V	CHLOROETHANE	5									
V	CHLOROFORM	5									
V	DICHLOROBROMOMETHANE	3									
V	ETHYLBENZENE	10									
V	METHYL BROMIDE (Bromomethane)	5									
V	METHYL CHLORIDE (Chloromethane)	5									
V	METHYLENE CHLORIDE	5									
V	TETRACHLOROETHYLENE (Perchloroethylene or Tetrachloroethene)	5									
V	TOLUENE	5									
V	TRICHLOROETHYLENE (Trichloroethene)	3									
V	VINYL CHLORIDE	5									

**Notes:**

- (1) Flow average for day pertains to WET/PP composite sample day.
- (2) Flow average for month is for month in which WET/PP sample was taken.
- (3) Analytical chemistry parameters must be done as part of the WET test chemistry.
- (3a) Cyanide, Available (Cyanide Amenable to Chlorination) is not an analytical chemistry parameter, but may be required by certain discharge permits .
- (4) Priority Pollutants should be reported in micrograms per liter (ug/L).
- (5) Mercury is often reported in nanograms per liter (ng/L) by the contract laboratory, so be sure to convert to micrograms per liter on this spreadsheet.
- (6) Effluent Limits are calculated based on dilution factor, background allocation (10%) and water quality reserves (15% - to allow for new or changed discharges or non-point sources).
- (7) Possible Exceedence determinations are done for a single sample only on a mass basis using the actual pounds discharged. This analysis does not consider watershed wide allocations for fresh water discharges.
- (8) These tests are optional for the receiving water. However, where possible samples of the receiving water should be preserved and saved for the duration of the WET test. In the event of questions about the receiving water's possible effect on the WET results, chemistry tests should then be conducted.
- (9) pH and Total Residual Chlorine must be conducted at the time of sample collection. Tests for Total Residual Chlorine need be conducted only when an effluent has been chlorinated or residual chlorine is believed to be present for any other reason.

Comments:



**MAINE POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT  
MAINE WASTE DISCHARGE LICENSE**

**Proposed Draft FACT SHEET**

DATE: **July 9, 2018**

PERMIT NUMBER: **ME0101699**

WASTE DISCHARGE LICENSE: **W002589-6C-I-R**

NAME AND ADDRESS OF APPLICANT:

**CLINTON WATER DISTRICT  
P.O. 358  
CLINTON, MAINE 04927**

COUNTY: **KENNEBEC**

NAME AND ADDRESS WHERE DISCHARGE(S) OCCUR(S):

**TOWN OF CLINTON  
111 OLD LENARD WOOD ROAD  
CLINTON, MAINE 04927**

RECEIVING WATER/CLASSIFICATION: **SEABSTICOOK RIVER/CLASS C**

COGNIZANT OFFICIAL AND TELEPHONE NUMBER:

**MR. ANDREW P. FITZPATRICK  
(207) 426-8039**

[clintonwaterdistrict@gmail.com](mailto:clintonwaterdistrict@gmail.com)

**1. APPLICATION SUMMARY**

- a. Application: On February 1, 2018, the Department of Environmental Protection (Department) accepted as complete for processing an application from the Clinton Water District (CWD/District) for the renewal of combination Maine Pollutant Discharge Elimination System (MEPDES) permit #ME0101699 / Maine Waste Discharge License (WDL) #W002589-6C-G-R, which was issued by the Department on April 17, 2013 for a five-year term. The 4/17/13 permit authorized the seasonal monthly average discharge of 0.35 million gallons per day (MGD) of secondary treated wastewater from a publicly owned treatment works (POTW) to the Sebasticook River, Class C, in Clinton, Maine.

## 2. PERMIT SUMMARY

a. Terms and conditions: This permitting action is different from the April 17, 2013 permit in that it:

1. Eliminates the waiver for percent removal requirements for biochemical oxygen demand (BOD<sub>5</sub>) and total suspended solids (TSS) when influent strength is less than 200 milligrams per liter (mg/L); and
2. Adjusts the *Escherichia coli* bacteria (*E.coli*) monitoring period to April 15th – October 31st and monthly average (geometric mean) pursuant to 38 M.R.S. §465 (4)(B).

b. History: This section provides a summary of significant licensing/permitting actions and milestones that have been completed for the District's facility.

*July 28, 1982* – The Department issued WDL #2589 to the CWD.

*February 4, 1986* – The U.S. Environmental Protection Agency (USEPA) issued National Pollutant Discharge Elimination System (NPDES) permit #ME0101699 to the CWD for a five-year term.

*September 11, 1987* – The Department issued WDL #W002589-45-A-R.

*May 18, 1998* – The Department issued WDL # W002589-59-C-R.

*May 23, 2000* – Pursuant to *Certain deposits and discharges prohibited*, 38 M.R.S. § 420 and *Waste discharge licenses*, 38 M.R.S. § 413 and *Interim Effluent Limitations and Controls for the Discharge of Mercury*, 06-096 CMR 519 (last amended October 6, 2001), the Department issued a *Notice of Interim Limits for the Discharge of Mercury* to the permittee thereby administratively modifying WDL #W002589-59-C-R by establishing interim monthly average and daily maximum effluent concentration limits of 4.5 parts per trillion (ppt.) and 6.8 ppt., respectively, and a minimum monitoring frequency requirement of 4 tests per year for mercury.

*January 12, 2001* - The Department received authorization from USEPA to administer the NPDES program in Maine. From that point forward, the program has been referred to as the MEPDES Program and MEPDES permit number ME0101699 was established as the primary reference number for the facility.

*February 14, 2003* – The Department issued WDL #W002589-5L-D-R / MEPDES permit #ME0101699 to the CWD for a five-year term.

## 2. PERMIT SUMMARY (cont'd)

*June 14, 2004* – The Department issued a letter to the CWD administratively modifying the 2/14/03 MEPDES permit to clarify the discharge prohibition during low river flow conditions applied during the critical warm season of June 1 through September 30 of each year.

*April 10, 2006* – The Department modified the 2/14/03 permit to incorporate testing requirements of 06-096 C.M.R. Ch. 530.

*April 29, 2008* – The Department issued WDL #W002589-5L-E-R/MEPDES permit #ME0101699 to the CWD for a five-year term.

*April 17, 2013* – The Department issued WDL #W002589-6C-G-R/MEPDES permit #ME0101699 to the CWD for a five-year term.

*September 11, 2013* – The Department issued administrative modification #ME0101699/WDL #W002589-6C-H-M to eliminate the monthly average limitations, monitoring requirements, reporting requirements, and the schedule of compliance for inorganic arsenic and total arsenic from the April 17, 2013 permit in response to a letter dated May 16, 2013 to the Commissioner of the Maine Department of Environmental Protection from the Acting Director of the Office of Ecosystem Protection in Region I of the U.S. Environmental Protection Agency (USEPA), which states “Pursuant to Section 303(c)(2) of the Clean Water Act and 40 C.F.R. Part 131, I hereby approve the following water quality standards revisions to 38 M.R.S., §420, sub-§2 as set forth in P.L. 2011 Ch. 194 (LD 515).”

*February 1, 2018* – The CWD submitted a timely and complete General Application to the Department for renewal of the 4/17/13 MEPDES permit. The application was accepted for processing on the same day and was assigned WDL #W002589-6C-I-R/MEPDES #ME0101699.

- c. Source Description: The CWD was formed in 1987 and encompasses approximately 3 square miles. The wastewater treatment facility receives sanitary wastewater flows generated by residential and commercial users within the CWD's boundaries. The facility serves a population of approximately 1,400 people. The permittee has indicated there are no significant industrial contributors to the system and is not required to adopt a formal pretreatment program pursuant to USEPA regulations. The CWD has not requested nor is authorized to accept septage wastes for treatment at the facility.

The CWD owns and maintains the collection system that conveys the sanitary wastewaters to the treatment facility. The collection system is approximately 18 miles in length, has five pump stations (all with back-up power) and no combined sewer overflow (CSO) points. A map showing the location of the treatment facility and receiving water is included as **Attachment A** of this fact sheet.

## 2. PERMIT SUMMARY (cont'd)

- d. Wastewater Treatment: The facility provides a secondary level of treatment via two stabilization ponds operated in series which became operational in January of 1988. The first treatment lagoon has a surface area of approximately 12 acres and the second lagoon has a surface area of approximately 14 acres for a total area of 26 acres. The ponds provide for a detention time of approximately 180 days.

Flows from the second lagoon are conveyed to a chlorine contact chamber where the treated wastewater is seasonally disinfected with sodium hypochlorite prior to discharge to the Sebasticook River. The outfall pipe for the discharge extends out into the Sebasticook River approximately 40 feet and is approximately 9 feet below the normal low water level for the river.

Since the previous permit, the CWD has installed new sewer lines on Pleasant and Pearl Streets as well as Morrison Avenue.

## 3. CONDITIONS OF PERMIT

*Conditions of licenses*, 38 M.R.S. § 414-A, requires that the effluent limitations prescribed for discharges, including, but not limited to, effluent toxicity, require the application of best practicable treatment (BPT), be consistent with the U.S. Clean Water Act, and ensure that the receiving waters attain the State water quality standards as described in Maine's Surface Water Classification System. In addition, *Certain deposits and discharges prohibited*, 38 M.R.S. § 420 and Department rule *Surface Water Toxics Control Program*, 06-096 C.M.R. 530 (effective March 21, 2012), require the regulation of toxic substances so as not to exceed levels set forth in *Surface Water Quality Criteria for Toxic Pollutants*, 06-096 C.M.R. 584 (effective July 29, 2012), and ensure safe levels for the discharge of toxic pollutants such that existing and designated uses of surface waters are maintained and protected.

## 4. RECEIVING WATER QUALITY STANDARDS

*Classification of major river basins*, 38 M.R.S. § 467(4)(H)(1)(a) classifies the Sebasticook River "From the confluence of the East Branch and the West Branch to its confluence with the Kennebec River," which includes the point of discharge, as Class C waters. *Standards for classification of fresh surface waters*, 38 M.R.S. § 465(4) describes the standards for Class C waters.

## 5. RECEIVING WATER QUALITY CONDITIONS

The State of Maine 2016 Integrated Water Quality Monitoring and Assessment Report (Report), prepared by the Department pursuant to Sections 303(d) and 305(b) of the Federal Water Pollution Control Act, lists the Sebasticook River, main stem, from Burnham bridge to Kennebec River (excluding site of former Halifax impoundment) (Assessment Unit ID ME0103000309\_332R) as, “Category 4-A: Rivers and Streams with Impaired Use Other than Mercury, TMDL Completed” with the cause as *Escherichia coli* (*E. coli*). The comment field states: “10/2/2012: This AU and the adjacent upstream AU (ME0103000308\_332R) were both listed in 2010 with their combined length of 30.83 miles; in 2012, the AUs are listed with their correct respective lengths of 22 and 8.83 miles. Updated AU name [was “main stem, below confluence of E and W Branches (excluding the Halifax Impd)”) to clarify extent. Nutrient/Eutrophication Biological Indicators cause of Aquatic Life Use Impairment delisted to Category 2 due to new data showing removal of cause of impairment. 9/28/2009: Recreational use impairments now Category 4-A due to approval of statewide bacteria TMDL. Also in Category 5-A for dioxin and DO, and Category 5-D for legacy PCBs.”

The segment is listed in “Category 5-A: Rivers and Streams Impaired by Pollutants Other Than Those Listed in 5-B Through 5-D (TMDL required)” for Dioxin (including 2,3,7,8-TCDD). The comment field for this segment states “ 10/2/2012: Nutrient/Eutrophication Biological Indicators cause of Aquatic Life Use impairment delisted to Category 2 due to new data showing removal of cause of impairment. Updated AU name [was "main stem, below confluence of E and W Branches (excluding the Halifax Impd)"] to clarify extent. This AU and the adjacent upstream AU (ME0103000308\_332R) were both listed in 2010 with their combined length of 30.83 miles; in 2012, the AUs are listed with their correct respective lengths of 22 and 8.83 miles. 10/19/2011: DO impairment likely due to Benton impoundment; good candidate for monitoring to confirm or reject continued DO impairment. No recent monitoring data. Also in Category 4-A for bacteria and 5-D for legacy PCBs.”

This segment is also listed in “Category 5-D: Rivers and Streams Impaired by Legacy Pollutants” for polychlorinated biphenyls. The comment field for this entry states “9/5/2012: This AU and the adjacent upstream AU (ME0103000308\_332R) were both listed in 2010 with their combined length of 30.83 miles; in 2012, the AUs are listed with their correct respective lengths of 22 and 8.83 miles. Updated AU name [was "main stem, below confluence of E and W Branches (excluding the Halifax Impd)"] to clarify extent. Nutrient/Eutrophication Biological Indicators cause of Aquatic Life Use impairment delisted to Category 2 due to new data showing removal of cause of impairment. Fish tissue monitoring revealed legacy PCBs. Also in Category 5-A for dioxin and DO, and Category 4-A for bacteria.”

## 5. RECEIVING WATER QUALITY CONDITIONS (cont'd)

The Report lists all of Maine's fresh waters as, "Category 4-A: Waters Impaired by Atmospheric Deposition of Mercury." Impairment in this context refers to a statewide fish consumption advisory due to elevated levels of mercury in some fish tissues. The Report states, "All freshwaters are listed in Category 4A (TMDL Completed) due to USEPA approval of a Regional Mercury TMDL." Maine has a fish consumption advisory for fish taken from all freshwaters due to mercury. Many fish from any given waters do not exceed the action level for mercury. However, because it is impossible for someone consuming a fish to know whether the mercury level exceeds the action level, the Maine Department of Health and Human Services decided to establish a statewide advisory for all freshwater fish that recommends limits on consumption.

The Department has no information that the discharge from the permittee, as conditioned, causes or contributes to non-attainment of applicable Class C water quality standards.

## 6. EFFLUENT LIMITATIONS & MONITORING REQUIREMENTS

- a. Flow: The previous permitting action established, and this permitting action is carrying forward a monthly average flow limitation of 0.35 MGD based on the design capacity of the facility, and a daily maximum discharge flow reporting requirement. The previous permitting action prohibited, and this permit carries forward the prohibition, of discharges from the CWD during the critical warm season of June 1 through September 30 when the flow at USGS gauge #01049000 located in the Sebasticook River at Burnham was below 65 cubic feet per second.

A summary of discharge flow data as reported on the monthly Discharge Monitoring Reports (DMRs) for the period of May 2013 to April 2018 is summarized as follows.

Discharge Flow	Limit (MGD)	Range (MGD)
Monthly Average	0.35	0.08 – 0.34
Daily Maximum	Report	0.11 – 0.42

The permittee has agreed to continue to accept a prohibition on the discharge of wastewater during the period of June 1 through September 30 of each year regardless of river flow rates. This negotiated agreement reflects the CWD's current operating practice as a "hold-and-release" facility. The discharge prohibition contained in this permitting action is only partially water quality driven in that the Department has determined that the CWD can discharge without adverse water quality impacts at ambient river flows above 65 cfs. Therefore, the CWD may, at any time, submit an application for permit modification to revise this discharge prohibition established herein. With the current discharge prohibition in effect, this facility is considered a "hold-and-release" facility with a non-continuous discharge.

## 6. EFFLUENT LIMITATIONS & MONITORING REQUIREMENTS (cont'd)

- b. Dilution Factors: For more detailed information regarding dilution factors, please refer to the Fact Sheet associated to the previous 2008 permit #W002589-5L-E-R.

Dilution factors associated with the permitted discharge flow of 0.35 MGD from the facility are derived in accordance with 06-096 CMR 530(4)(A) and were calculated as follows:

$$\text{Dilution Factor} = \frac{\text{River Flow (cfs)}(\text{Conv. Factor}) + \text{Plant Flow}}{\text{Plant Flow}}$$

$$\text{Modified Acute} = \frac{1}{4} 1Q10 = 16 \text{ cfs} \Rightarrow \frac{(16 \text{ cfs})(0.6464) + (0.35 \text{ MGD})}{(0.35 \text{ MGD})} = 31:1$$

$$\text{Acute: } 1Q10 = 65 \text{ cfs} \Rightarrow \frac{(65 \text{ cfs})(0.6464) + (0.35 \text{ MGD})}{(0.35 \text{ MGD})} = 121:1$$

$$\text{Chronic} = 65 \text{ cfs} \Rightarrow \frac{(65 \text{ cfs})(0.6464) + (0.35 \text{ MGD})}{(0.35 \text{ MGD})} = 121:1$$

$$\text{Harmonic Mean} = 268 \text{ cfs} \Rightarrow \frac{(268 \text{ cfs})(0.6464) + (0.35 \text{ MGD})}{(0.35 \text{ MGD})} = 496:1$$

\* The 7Q10 flow is prorated from the Pittsfield flow monitoring gauge.

06-096 CMR 530(4)(B)(l) states,

*Analyses using numerical acute criteria for aquatic life must be based on 1/4 of the 1Q10 stream design flow to prevent substantial acute toxicity within any mixing zone and to ensure a zone of passage of at least 3/4 of the cross-sectional area of any stream as required by Chapter 581. Where it can be demonstrated that a discharge achieves rapid and complete mixing with the receiving water by way of an efficient diffuser or other effective method, analyses may use a greater proportion of the stream design flow, up to and including all of it, as long as the required zone of passage is maintained.*

The Department's Division of Environmental Assessment has determined that the discharge from CWD does not achieve complete and rapid mixing with the receiving waters; therefore, the Department is utilizing the default 1/4 1Q10 stream design flow in acute evaluations.

**6. EFFLUENT LIMITATIONS & MONITORING REQUIREMENTS (cont'd)**

- c. Biochemical Oxygen Demand (BOD<sub>5</sub>) and Total Suspended Solids (TSS): The previous permit established, and this permitting action is carrying forward, a monthly average and weekly average technology-based concentration limits of 30 mg/L and 45 mg/L, respectively, for BOD<sub>5</sub> and TSS based on the secondary treatment requirements specified at Effluent Guidelines and Standards, 06-096 CMR 525(3)(III) (effective January 12, 2001), and a daily maximum concentration limit of 50 mg/L, which is based on best professional judgement (BPJ) of best practicable treatment (BPT) for secondary treated municipal wastewater. The technology-based monthly average, weekly average and daily maximum mass limits of 88 lbs./day, 131 lbs./day, and 146 lbs./day established in the previous permitting action for BOD<sub>5</sub> and TSS are also being carried forward in this permitting action.

Monthly average:  $(0.35 \text{ MGD})(8.34)(30 \text{ mg/L}) = 88 \text{ lbs./day}$

Weekly average:  $(0.35 \text{ MGD})(8.34)(45 \text{ mg/L}) = 131 \text{ lbs./day}$

Daily Maximum:  $(0.35 \text{ MGD})(8.34)(50 \text{ mg/L}) = 146 \text{ lbs./day}$

This permitting action is also carrying forward a requirement for a minimum of 85% removal of BOD<sub>5</sub> and TSS pursuant to 06-096 CMR 525(3)(III)(a)(4)(iii).

The Department reviewed 31 Discharge Monitoring Reports (DMRs) that were submitted from May 1, 2013 through April 1, 2018. A review of data indicates the following:

**BOD<sub>5</sub> mass**

Value	Limit (lbs./day)	Range (lbs./day)
Monthly Average	88	3 – 63
Weekly Average	131	3 – 68
Daily Maximum	146	3 – 68

**BOD<sub>5</sub> concentration**

Value	Limit (mg/L)	Range (mg/L)
Monthly Average	30	2 – 23
Weekly Average	45	2 – 27
Daily Maximum	50	2 – 27



## 6. EFFLUENT LIMITATIONS & MONITORING REQUIREMENTS (cont'd)

### TSS mass

Value	Limit (lbs./day)	Range (lbs./day)
Monthly Average	88	2 – 120
Weekly Average	131	2 – 120
Daily Maximum	146	2 – 120

### TSS concentration

Value	Limit (mg/L)	Range (mg/L)
Monthly Average	30	1.0 – 56
Weekly Average	45	1.0 – 56
Daily Maximum	50	1.0 – 56

The monthly average mass and the monthly average concentration for TSS were exceeded in April 2016.

This permitting action is carrying forward the previously established monitoring frequency of 2/Month for BOD<sub>5</sub> and TSS.

- d. Settleable Solids: The previous permitting established, and this permitting action carrying forward, a daily maximum concentration limit of 0.3 ml/L, which is considered a best practicable treatment limitation (BPT) for secondary treated wastewater.

A summary of effluent settleable solids data as reported on the monthly DMRs for the period of May 1, 2013 – April 1, 2018 (discharging months only, DMRs = 31) indicates the daily maximum settleable solids concentration discharge has been <0.1 ml/L 100% of the time.

This permitting action is carrying forward the previously established monitoring frequency of 2/Month for settleable solids.

- e. Escherichia coli bacteria: This permitting action is establishing, seasonal (April 15 – October 31 of each year) monthly average and daily maximum *E. coli* bacteria concentration limits of 100 colonies/100 ml and 949 colonies/100 ml, respectively, based on the State's Water Classification Program criteria for Class C waters.

Although *E. coli* bacteria limits are seasonal and apply between April 15 and October 31 of each year, the Department reserves the right to impose year-round bacteria limits if deemed necessary to protect the health, safety and welfare of the public.

A summary of seasonal monthly DMR for the period of May 1, 2013 – April 1, 2018 (months when facility reported no discharge are not included, DMRs = 10) indicates that the facility did not discharge when bacteria limits are in effect. Therefore, there is no data to report.

## 6. EFFLUENT LIMITATIONS & MONITORING REQUIREMENTS (cont'd)

This permitting action is carrying forward a minimum monitoring frequency requirement of once per week for *E. coli* bacteria based on best professional judgment.

- f. Total Residual Chlorine (TRC): The previous permitting action established technology-based monthly average and daily maximum concentration limits of 0.1 mg/L and 0.3 mg/L, respectively, for TRC. Limitations on TRC are specified to ensure that ambient water quality standards are maintained and that BPT technology is being applied to the discharge. Department permitting actions impose the more stringent of either a water quality-based or BPT-based limit. With dilution factors as determined above, end-of-pipe (EOP) water quality-based concentration thresholds for TRC may be calculated as follows:

Criterion	Dilution Factors	Calculated Threshold
(A) 0.019 mg/L	31:1 (Modified Acute)	0.59 mg/L
(C) 0.011 mg/L	121:1	1.3 mg/L

The Department has established a daily maximum BPT limitation of 1.0 mg/L for facilities that disinfect their effluent with elemental chlorine or chlorine-based compounds. For facilities that need to dechlorinate the discharge in order to meet water quality-based thresholds, the Department has established daily maximum and monthly average BPT limits of 0.3 mg/L and 0.1 mg/L, respectively. Both the monthly average and daily maximum technology-based concentration thresholds for TRC are more stringent than the calculated water quality-based thresholds above and are therefore being carried forward in this permitting action.

A summary of seasonal monthly DMR for the period of May 1, 2013 – April 1, 2018 indicates that the facility did not use chlorine-based compounds for effluent disinfection. Therefore, there is no data to report.

This permitting action is carrying forward the previously established minimum monitoring frequency requirement of 5/Week for TRC based on best professional judgment.

- g. pH: The previous permitting action established, and this permitting action is carrying forward, a technology-based pH limit of 6.0 – 9.0 standard units, which is based on 06-096 CMR 525(3)(III), and a minimum monitoring frequency requirement of 2/Week based on best professional judgment. The pH value of the effluent must not be lower than 6.0 SU nor higher than 9.0 SU at any time unless these limitations are exceeded due to natural causes.

A summary of effluent pH data as reported on the monthly DMRs for 2013 to 2018 (DMRs = 31) indicates the facility had two daily maximum results that were above the 9.0 limit.

**6. EFFLUENT LIMITATIONS & MONITORING REQUIREMENTS (cont'd)**

- h. Mercury: Pursuant to 38 M.R.S. § 420 and 38 M.R.S. § 413 and 06-096 CMR 519, the Department issued a *Notice of Interim Limits for the Discharge of Mercury* to the permittee thereby administratively modifying WDL #W002589-5L-E-R by establishing interim monthly average and daily maximum effluent concentration limits of 4.5 parts per trillion (ppt.) and 6.8 ppt., respectively, and a minimum monitoring frequency requirement of 2 tests per year for mercury.

38 M.R.S. § 420(1-B)(B)(1) provides that a facility is not in violation of the AWQC for mercury if the facility is in compliance with an interim discharge limit established by the Department. A review of the Department's database for the period of June 1999 through February 2017 is as follows:

**Mercury (n = 34)**

Value	Limit (ng/L)	Range (ng/L)	Mean (ng/L)
Monthly Average	4.5	0.38 – 3.10	1.6
Daily Maximum	6.8		

On February 6, 2012, the Department issued a minor revision to the permit thereby revising the minimum monitoring frequency requirement from four times per year to once per year pursuant to 38 M.R.S. § 420(1-B)(F). This minimum monitoring frequency is being carried forward in this permitting action.

- i. Whole Effluent Toxicity (WET) and Chemical Specific Testing: 38 M.R.S. § 414-A and 38 M.R.S. § 420 prohibit the discharge of effluents containing substances in amounts that would cause the surface waters of the State to contain toxic substances above levels set forth in Federal Water Quality Criteria as established by the USEPA. 06-096 CMR 530 sets forth effluent monitoring requirements and procedures to establish safe levels for the discharge of toxic pollutants such that existing and designated uses of surface waters are maintained and protected and narrative and numeric water quality criteria are met. 06-096 CMR 584 sets forth ambient water quality criteria (AWQC) for toxic pollutants and procedures necessary to control levels of toxic pollutants in surface waters.

WET, priority pollutant and supporting analytical chemistry testing as required by 06-096 CMR 530 are included in this permit to fully characterize the effluent. This permit also provides for reconsideration of effluent limits and monitoring schedules after the evaluation of toxicity testing results. The monitoring schedule includes consideration of results currently on file, the nature of the wastewater and existing treatment and receiving water characteristics.

## 6. EFFLUENT LIMITATIONS & MONITORING REQUIREMENTS (cont'd)

WET monitoring is required to assess and protect against impacts upon water quality and designated uses caused by the aggregate effect of the discharge on specific aquatic organisms. Acute and chronic WET tests are performed on the brook trout (*Salvelinus fontinalis*) and the invertebrate water flea (*Ceriodaphnia dubia*). Chemical-specific monitoring is required to assess the levels of individual toxic pollutants in the discharge, comparing each pollutant to acute, chronic, and human health water quality criteria. Priority pollutant testing refers to the analysis for levels of priority pollutants listed under "Priority Pollutants" on the form included as Attachment D of the permit. Analytical chemistry refers to those pollutants listed under "Analytical Chemistry" on the form included as Attachment D of the permit.

06-096 CMR 530(2)(A) specifies the dischargers subject to the rule as:

All licensed dischargers of industrial process wastewater or domestic wastes discharging to surface waters of the State must meet the testing requirements of this section. Dischargers of other types of wastewater are subject to this subsection when and if the Department determines that toxicity of effluents may have reasonable potential to cause or contribute to exceedences of narrative or numerical water quality criteria.

The permittee discharges domestic (sanitary) wastewater to surface waters and is therefore subject to the testing requirements of the toxics rule.

06-096 CMR 530(2)(B) categorizes dischargers subject to the toxics rule into one of four levels (Levels I through IV).

The four categories for dischargers are as follows:

Level I	Chronic dilution factor of <20:1
Level II	Chronic dilution factor of $\geq 20:1$ but <100:1.
Level III	Chronic dilution factor $\geq 100:1$ but <500:1 or >500:1 and $Q \geq 1.0$ MGD
Level IV	Chronic dilution factor >500:1 and $Q \leq 1.0$ MGD

**6. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (cont'd)**

Based on the criteria, the permittee's facility is considered a Level III discharger as the chronic dilution of the receiving water is  $\geq 100:1$  but  $< 500:1$  or  $> 500:1$  and  $Q \geq 1.0$  MGD. 06-096 CMR 530(2)(D) specifies routine WET, priority pollutant, and analytical chemistry test schedules for Level III dischargers as follows.

**Surveillance level testing**

Level	WET Testing	Priority pollutant testing	Analytical chemistry
III	1 per year	None Required	1 per year

**Screening level testing**

Level	WET Testing	Priority pollutant testing	Analytical chemistry
III	1 per year	1 per year	4 per year

This permit provides for reconsideration of effluent limits and monitoring schedules after evaluation of toxicity testing results. The monitoring schedule includes consideration of results currently on file, the nature of the wastewater, existing treatment, and receiving water characteristics.

06-096 CMR 530(3)(E) states:

For effluent monitoring data and the variability of the pollutant in the effluent, the Department must apply the statistical approach in Section 3.3.2 and Table 3-2 of USEPA's "Technical Support Document for Water Quality-Based Toxics Control" (USEPA Publication 505/2-90-001, March, 1991, EPA, Office of Water, Washington, D.C.) to data to determine whether water-quality based effluent limits must be included in a waste discharge license. Where it is determined through this approach that a discharge contains pollutants or WET at levels that have a reasonable potential to cause or contribute to an exceedence of water quality criteria, appropriate water quality-based limits must be established in any licensing action.

## 6. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (cont'd)

### WET evaluation

On April 19, 2018, the Department conducted a statistical evaluation on the most recent 60 months of WET test results on file with the Department for the CWD in accordance with the statistical approach outlined above.

The 4/19/18 statistical evaluation indicates the discharge from the CWD has not exceeded or demonstrated a reasonable potential to exceed the critical acute or chronic ambient water quality thresholds for the water flea or brook trout. See **Attachment C** of this Fact Sheet for a summary of the WET test results.

06-096 CMR 530(2)(D)(3)(b) states, in part, that Level III facilities "... may be waived from conducting surveillance testing for individual WET species or chemicals provided that testing in the preceding 60 months does not indicate any reasonable potential for exceedance as calculated pursuant to section 3(e)."

Based on the provisions of 06-096 CMR 530 and Department best professional judgment, this permitting action is carrying forward routine screening level WET testing and waiving the surveillance level requirements for this facility for both the water flea and the brook trout.

Special Condition I. *06-096 CMR 530(2)(D)(4) Statement For Reduced/Waived Toxics Testing* of this permit explains the statement required by the discharger to reduce WET testing.

### Analytical Chemistry & Priority Pollutant Testing Evaluation:

06-096 CMR 530(4)(C) states:

The background concentration of specific chemicals must be included in all calculations using the following procedures. The Department may publish and periodically update a list of default background concentrations for specific pollutants on a regional, watershed or statewide basis. In doing so, the Department shall use data collected from reference sites that are measured at points not significantly affected by point and non-point discharges and best calculated to accurately represent ambient water quality conditions. The Department shall use the same general methods as those in section 4(D) to determine background concentrations. For pollutants not listed by the Department, an assumed concentration of 10% of the applicable water quality criteria must be used in calculations.

## 6. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (cont'd)

The Department has very little information on the background levels of metals in the water column in the Sebasticook River in the vicinity of the permittee's outfall. Based on data collected from 60 rivers and streams upstream of known point sources statewide, a background concentration of 10% of the applicable water quality criteria is being used in the calculations of this permitting action.

06-096 CMR 530(4)(E) states:

In allocating assimilative capacity for toxic pollutants, the Department shall hold a portion of the total capacity in an unallocated reserve to allow for new or changed discharges and non-point source contributions. The unallocated reserve must be reviewed and restored as necessary at intervals of not more than five years. The water quality reserve must be not less than 15% of the total assimilative quantity."

On April 19, 2018, the Department conducted a statistical evaluation of the most recent 60 months of chemical-specific test results on file with the Department.

The 4/19/18 evaluation indicated that the discharge does not exceed or have a reasonable potential to exceed any acute, chronic, or human health AWQC for any of the pollutants of concern. See **Attachment C** of this Fact Sheet for test dates and results for the pollutants of concern.

06-096 CMR 530(2)(D)(3)(c) states, that Level III facilities "... may reduce surveillance testing to one WET or specific chemical series every other year provided that testing in the preceding 60 months does not indicated any reasonable potential for exceedance as calculated pursuant to section 3(E)."

Based on the provisions of 06-096 CMR 530 and Department best professional judgment, this permitting action is carrying forward the previously established reduced surveillance level testing requirements for this facility. Special Condition I, *06-096 CMR 530(2)(D)(4) Statement For Reduced/Waived Toxics Testing* of this permit explains the statement required by the discharger to reduce surveillance testing.

## 7. DISCHARGE IMPACT ON RECEIVING WATER QUALITY

As permitted, the Department has determined the existing water uses will be maintained and protected and the discharge will not cause, contribute, or have a reasonable potential to cause or contribute to the failure of the water body to meet standards for Class C classification.

## **8. PUBLIC COMMENTS**

Public notice of this application was made in the *Morning Sentinel* newspaper on or about January 26, 2018. The Department receives public comments on an application until the date a final agency action is taken on the application. Those persons receiving copies of draft permits must have at least 30 days in which to submit comments on the draft or to request a public hearing, pursuant to *Application Processing Procedures for Waste Discharge Licenses*, 06-096 C.M.R. 522 (effective January 12, 2001).

## **9. DEPARTMENT CONTACTS**

Additional information concerning this permitting action may be obtained from, and written comments sent to:

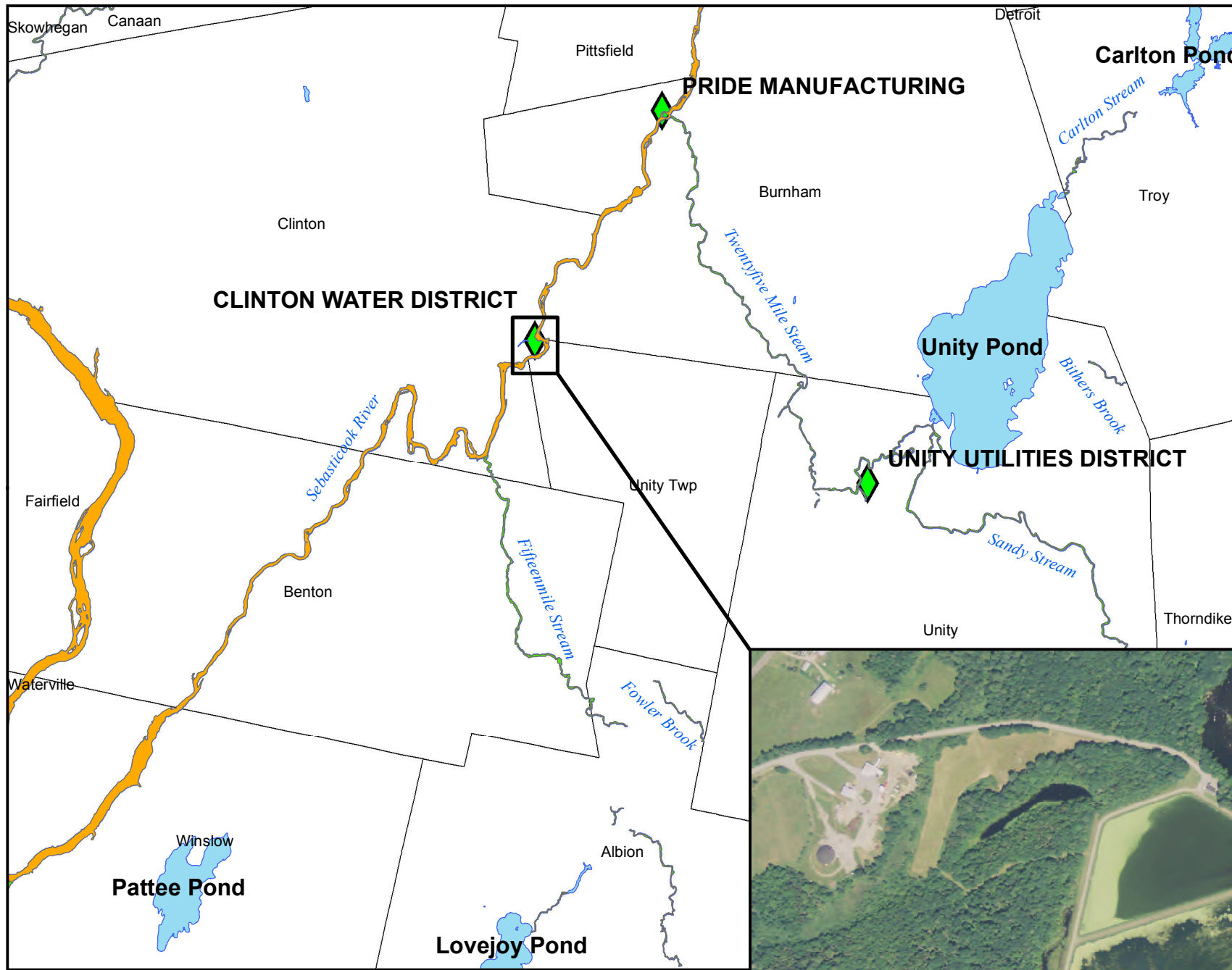
Cindy L. Dionne  
Division of Water Quality Management - Bureau of Water Quality  
Department of Environmental Protection  
17 State House Station  
Augusta, Maine 04333-0017 Telephone: (207) 287-7823  
e-mail: [Cindy.L.Dionne@maine.gov](mailto:Cindy.L.Dionne@maine.gov)

## **10. RESPONSE TO COMMENTS**

*Reserved until the end of the public comment period.*



# **ATTACHMENT A**

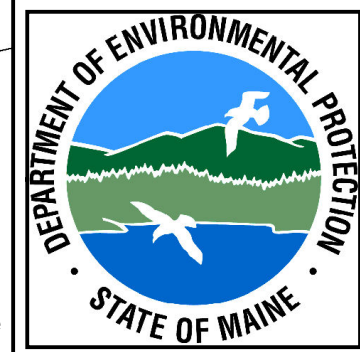


**Legend**

◆ Wastewater Facilities

**River Class**

- AA
- A
- B
- C
- ca
- nh
- Lakes



## **ATTACHMENT B**

STATE OF MAINE  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

CHAPTER 530.2(D)(4) CERTIFICATION

MEPDES# \_\_\_\_\_ Facility Name \_\_\_\_\_

Since the effective date of your permit, have there been;		NO	YES Describe in comments section
1	Increases in the number, types, and flows of industrial, commercial, or domestic discharges to the facility that in the judgment of the Department may cause the receiving water to become toxic?	<input type="checkbox"/>	<input type="checkbox"/>
2	Changes in the condition or operations of the facility that may increase the toxicity of the discharge?	<input type="checkbox"/>	<input type="checkbox"/>
3	Changes in storm water collection or inflow/infiltration affecting the facility that may increase the toxicity of the discharge?	<input type="checkbox"/>	<input type="checkbox"/>
4	Increases in the type or volume of hauled wastes accepted by the facility?	<input type="checkbox"/>	<input type="checkbox"/>

COMMENTS:

Name (printed): \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**This document must be signed by the permittee or their legal representative.**

This form may be used to meet the requirements of Chapter 530.2(D)(4). This Chapter requires all dischargers having waived or reduced toxic testing to file a statement with the Department describing changes to the waste being contributed to their system as outlined above. As an alternative, the discharger may submit a signed letter containing the same information.

**Scheduled Toxicity Testing for the next calendar year**

Test Conducted	1 <sup>st</sup> Quarter	2 <sup>nd</sup> Quarter	3 <sup>rd</sup> Quarter	4 <sup>th</sup> Quarter
WET Testing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Priority Pollutant Testing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analytical Chemistry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other toxic parameters <sup>1</sup>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

*Please place an "X" in each of the boxes that apply to when you will be conducting any one of the three test types during the next calendar year.*

<sup>1</sup> This only applies to parameters where testing is required at a rate less frequently than quarterly.

## **ATTACHMENT C**

## COMBINED WET AND PRIORITY POLLUTANTS REPORT

Data entered into Toxscan for the period

19/Apr/2013 - 19/Apr/2018

Facility name: **CLINTON WATER DISTRICT**

Permit Number: ME0101699

Effluent Limit: Acute (%) = 0.83

Chronic (%) = 0.83

**CHEMICAL TEST REPORT**

Showing all data - \*(Mercury results are in ng/L)

<b>1,1,1-TRICHLOROETHANE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	5.0000	Y
<b>1,1,2,2-TETRACHLOROETHANE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	5.0000	Y
<b>1,1,2-TRICHLOROETHANE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	5.0000	Y
<b>1,1-DICHLOROETHANE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	5.0000	Y
<b>1,1-DICHLOROETHYLENE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	3.0000	Y
<b>1,2-(O)DICHLOROBENZENE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	4.7000	Y
<b>1,2,4-TRICHLOROBENZENE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	4.7000	Y
<b>1,2-DICHLOROETHANE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	3.0000	Y
<b>1,2-DICHLOROPROPANE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	5.0000	Y
<b>1,2-DIPHENYLHYDRAZINE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	19.0000	Y
<b>1,2-TRANS-DICHLOROETHYLENE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	5.0000	Y
<b>1,3-(M)DICHLOROBENZENE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	4.7000	Y
<b>1,3-DICHLOROPROPYLENE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>

Facility name: **CLINTON WATER DISTRICT**

Permit Number: ME0101699

Effluent Limit: Acute (%) = 0.83

Chronic (%) = 0.83

**CHEMICAL TEST REPORT**

Showing all data - \*(Mercury results are in ng/L)

<b>1,3-DICHLOROPROPYLENE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	5.0000	Y
<b>1,4-(P)DICHLOROBENZENE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	4.7000	Y
<b>2,4,6-TRICHLOROPHENOL</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	4.7000	Y
<b>2,4-DICHLOROPHENOL</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	4.7000	Y
<b>2,4-DIMETHYLPHENOL</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	4.7000	Y
<b>2,4-DINITROPHENOL</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	24.0000	Y
<b>2,4-DINITROTOLUENE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	4.7000	Y
<b>2,6-DINITROTOLUENE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	4.7000	Y
<b>2-CHLOROETHYLVINYL ETHER</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	10.0000	Y
<b>2-CHLORONAPHTHALENE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	4.7000	Y
<b>2-CHLOROPHENOL</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	4.7000	Y
<b>2-NITROPHENOL</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	4.7000	Y
<b>3,3'-DICHLOROBENZIDINE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	4.7000	Y

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3,3'-DICHLOROBENZIDINE	Test date	Result (ug/l)	Lsthan
	02/07/2017	4.7000	Y
3,4-BENZO(B)FLUORANTHENE	Test date	Result (ug/l)	Lsthan
	02/07/2017	4.7000	Y
4,4'-DDD	Test date	Result (ug/l)	Lsthan
	02/07/2017	0.0200	Y
4,4'-DDE	Test date	Result (ug/l)	Lsthan
	02/07/2017	0.0200	Y
4,4'-DDT	Test date	Result (ug/l)	Lsthan
	02/07/2017	0.0200	Y
4,6-DINITRO-O-CRESOL	Test date	Result (ug/l)	Lsthan
	02/07/2017	24.0000	Y
4-BROMOPHENYLPHENYL ETHER	Test date	Result (ug/l)	Lsthan
	02/07/2017	4.7000	Y
4-CHLOROPHENYL PHENYL ETHER	Test date	Result (ug/l)	Lsthan
	02/07/2017	4.7000	Y
4-NITROPHENOL	Test date	Result (ug/l)	Lsthan
	02/07/2017	19.0000	Y
A-BHC	Test date	Result (ug/l)	Lsthan
	02/07/2017	0.0100	Y
ACENAPHTHENE	Test date	Result (ug/l)	Lsthan
	02/07/2017	4.7000	Y
ACENAPHTHYLENE	Test date	Result (ug/l)	Lsthan
	02/07/2017	4.7000	Y
ACROLEIN	Test date	Result (ug/l)	Lsthan
	02/07/2017	4.7000	Y



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<b>ACROLEIN</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	10.0000	Y
<b>ACRYLONITRILE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	25.0000	Y
<b>A-ENDOSULFAN</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	0.0100	Y
<b>ALDRIN</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	0.0100	Y
<b>ALUMINUM</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	12/07/2016	20.0000	Y
	02/07/2017	20.0000	Y
<b>AMMONIA</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	12/07/2016	810.0000	N
	02/07/2017	5,900.0000	N
<b>ANTHRACENE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	4.7000	Y
<b>ANTIMONY</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	0.2000	Y
<b>ARSENIC</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	12/07/2016	2.0000	N
	02/07/2017	1.5000	N
<b>B-BHC</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	0.0100	Y
<b>B-ENDOSULFAN</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	0.0200	Y

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<b>BENZENE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	5.0000	Y
<b>BENZIDINE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	24.0000	Y
<b>BENZO(A)ANTHRACENE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	4.7000	Y
<b>BENZO(A)PYRENE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	4.7000	Y
<b>BENZO(G,H,I)PERYLENE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	4.7000	Y
<b>BENZO(K)FLUORANTHENE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	4.7000	Y
<b>BERYLLIUM</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	0.2000	Y
<b>BIS(2-CHLOROETHOXY)METHANE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	4.7000	Y
<b>BIS(2-CHLOROETHYL)ETHER</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	4.7000	Y
<b>BIS(2-CHLOROISOPROPYL)ETHER</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	4.7000	Y
<b>BIS(2-ETHYLHEXYL)PHTHALATE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	4.7000	Y
<b>BROMOFORM</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	5.0000	Y
<b>BUTYLBENZYL PHTHALATE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>

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<b>BUTYLBENZYL PHTHALATE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	4.7000	Y
<b>CADMIUM</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	12/07/2016	0.2000	Y
	02/07/2017	0.2000	Y
<b>CARBON TETRACHLORIDE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	5.0000	Y
<b>CHLORDANE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	0.0900	Y
<b>CHLOROBENZENE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	5.0000	Y
<b>CHLORODIBROMOMETHANE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	3.0000	Y
<b>CHLOROETHANE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	5.0000	Y
<b>CHLOROFORM</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	5.0000	Y
<b>CHROMIUM</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	12/07/2016	1.0000	Y
	02/07/2017	2.7900	N
<b>CHRYSENE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	4.7000	Y
<b>COPPER</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	12/07/2016	0.7600	N
	02/07/2017	2.9900	N

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CYANIDE TOTAL	Test date	Result (ug/l)	Lsthan
	12/07/2016	5.0000	Y
D-BHC	02/07/2017	5.0000	Y
	02/07/2017	0.0100	Y
DIBENZO(A,H)ANTHRACENE	02/07/2017	4.7000	Y
	02/07/2017	3.0000	Y
DICHLOROBROMOMETHANE	02/07/2017	0.0200	Y
	02/07/2017	4.7000	Y
DIELDRIN	02/07/2017	4.7000	Y
	02/07/2017	4.7000	Y
DIETHYL PHTHALATE	02/07/2017	4.7000	Y
	02/07/2017	4.7000	Y
DIMETHYL PHTHALATE	02/07/2017	4.7000	Y
	02/07/2017	4.7000	Y
DI-N-BUTYL PHTHALATE	02/07/2017	4.7000	Y
	02/07/2017	4.7000	Y
DI-N-OCTYL PHTHALATE	02/07/2017	4.7000	Y
	02/07/2017	0.0200	Y
ENDOSULFAN SULFATE	02/07/2017	0.0200	Y
	02/07/2017	0.0200	Y
ENDRIN	02/07/2017	0.0200	Y
	02/07/2017	0.0200	Y
ENDRIN ALDEHYDE	02/07/2017	0.0200	Y
	02/07/2017	0.0200	Y

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ETHYLBENZENE	Test date	Result (ug/l)	Lsthan
	02/07/2017	5.0000	Y
FLUORANTHENE	Test date	Result (ug/l)	Lsthan
	02/07/2017	4.7000	Y
FLUORENE	Test date	Result (ug/l)	Lsthan
	02/07/2017	4.7000	Y
G-BHC	Test date	Result (ug/l)	Lsthan
	02/07/2017	0.0100	Y
HEPTACHLOR	Test date	Result (ug/l)	Lsthan
	02/07/2017	0.0100	Y
HEPTACHLOR EPOXIDE	Test date	Result (ug/l)	Lsthan
	02/07/2017	0.0100	Y
HEXACHLOROBENZENE	Test date	Result (ug/l)	Lsthan
	02/07/2017	4.7000	Y
HEXACHLOROBUTADIENE	Test date	Result (ug/l)	Lsthan
	02/07/2017	4.7000	Y
HEXACHLOROCYCLOPENTADIENE	Test date	Result (ug/l)	Lsthan
	02/07/2017	4.7000	Y
HEXACHLOROETHANE	Test date	Result (ug/l)	Lsthan
	02/07/2017	4.7000	Y
INDENO(1,2,3-CD)PYRENE	Test date	Result (ug/l)	Lsthan
	02/07/2017	4.7000	Y
ISOPHORONE	Test date	Result (ug/l)	Lsthan
	02/07/2017	4.7000	Y
LEAD	Test date	Result (ug/l)	Lsthan
	02/07/2017	4.7000	Y

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**CHEMICAL TEST REPORT**

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<b>LEAD</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	12/07/2016	0.2000	Y
	02/07/2017	0.2600	N
<b>MERCURY</b>	<b>Test date</b>	<b>Result (ng/l)</b>	<b>Lsthan</b>
	10/21/2014	0.85	N
	01/21/2015	0.56	N
	12/07/2016	0.50	Y
	02/07/2017	2.75	N
<b>METHYL BROMIDE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	5.0000	Y
<b>METHYL CHLORIDE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	5.0000	Y
<b>METHYLENE CHLORIDE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	5.0000	Y
<b>NAPHTHALENE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	4.7000	Y
<b>NICKEL</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	12/07/2016	1.0600	N
	02/07/2017	1.0600	N
<b>NITROBENZENE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	4.7000	Y
<b>N-NITROSODIMETHYLAMINE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	4.7000	Y
<b>N-NITROSODI-N-PROPYLAMINE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	4.7000	Y

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<b>N-NITROSODIPHENYLAMINE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	4.7000	Y
<b>PCB-1016</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	0.0900	Y
<b>PCB-1221</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	0.0900	Y
<b>PCB-1232</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	0.0900	Y
<b>PCB-1242</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	0.0900	Y
<b>PCB-1248</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	0.0900	Y
<b>PCB-1254</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	0.0900	Y
<b>PCB-1260</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	0.0900	Y
<b>P-CHLORO-M-CRESOL</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	4.7000	Y
<b>PENTACHLOROPHENOL</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	4.7000	Y
<b>PHENANTHRENE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	4.7000	Y
<b>PHENOL</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	4.7000	Y
<b>PYRENE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>

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<b>PYRENE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	4.7000	Y
<b>SELENIUM</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	1.0000	Y
<b>SILVER</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	12/07/2016	0.2000	Y
	02/07/2017	0.2000	Y
<b>SPECIFIC CONDUCTANCE (UMHOS)</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	538.0000	N
<b>TETRACHLOROETHYLENE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	5.0000	Y
<b>THALLIUM</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	0.2000	Y
<b>TOLUENE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	5.0000	Y
<b>TOXAPHENE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	0.1900	Y
<b>TRICHLOROETHYLENE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	3.0000	Y
<b>VINYL CHLORIDE</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	02/07/2017	5.0000	Y
<b>ZINC</b>	<b>Test date</b>	<b>Result (ug/l)</b>	<b>Lsthan</b>
	12/07/2016	2.0000	Y
	02/07/2017	2.8900	N



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**CHEMICAL TEST REPORT**

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**WET TEST REPORT**

Species	Test	Percent	Sample date	Critical %	Exception	RP
TROUT	A_NOEL	100	02/07/2017	0.826		
TROUT	C_NOEL	100	02/07/2017	0.826		
WATER FLEA	A_NOEL	100	02/07/2017	0.826		
WATER FLEA	C_NOEL	50	02/07/2017	0.826		