STATE OF MAINE
DEPARTMENT OF
ENVIRONMENTAL PROTECTION

PAUL R. LEPAGE
GOVERNOR

PAUL MERCER
COMMISSIONER

October 11, 2018

Philip Pickering
Ogunquit Sewer District
P.O. Box 934
Ogunquit, Me 03907
phil@ogunquitsewerdistrict.org

Sent via electronic mail
Delivery confirmation requested

RE: Maine Pollutant Discharge Elimination System (MEPDES) Permit #ME0100986
Maine Waste Discharge License (WDL) Application #W000449-6D-K-R

Proposed Draft MEPDES Permit Renewal

Dear Philip Pickering:

Enclosed 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 conditions (special conditions specific to this permit are enclosed; standard conditions applicable to all permits are available upon request). 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, as required by our new regulations, and from any other parties who have notified the Department of their interest in this matter.
If you have any questions regarding the matter, please feel free to call me.

All comments must be received in the Department of Environmental Protection office on or before the close of business **Friday, November 9, 2018.** Failure to submit comments in a timely fashion will result in the final document being issued as drafted.

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
Aaron.A.Dumont@maine

If you have any questions regarding the matter, please feel free to call me at (207)-592-7161.

Sincerely,

Aaron Dumont
Division of Water Quality Management
Bureau of Water Quality
Aaron.A.Dumont@maine.gov
Phone: 207-592-7161

Enclosure

cc: Matt Hight, DEP/SMRO
Lori Mitchel, DEP/CMRO
Alex Rosenberg, USEPA
Ellen Weitzler, USEPA
Solanch Pastrana Del-Valle, USEPA
Richard Carvalho, USEPA
Marelyn Vega, USEPA
Shelley Puleo, USEPA

STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION
17 STATE HOUSE STATION AUGUSTA, MAINE 04333-0017

DEPARTMENT ORDER

IN THE MATTER OF

OGUNQUIT SEWER DISTRICT	)	MAINE POLLUTANT DISCHARGE
PUBLICALLY OWNED TREATMENT WORK	)	ELIMINATION SYSTEM PERMIT
OGUNQUIT, YORK COUNTY, MAINE	)	AND
ME0100986	)	WASTE DISCHARGE LICENSE
W000449-6D-K-R **APPROVAL**	)	**RENEWAL**

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, and applicable rules of the Department of Environmental Protection (Department), the Department has considered the application of the OGUNQUIT SEWER DISTRICT (OSD/permittee), with its supportive data, agency review comments, and other related materials on file and FINDS THE FOLLOWING FACTS:

APPLICATION SUMMARY

On January 2, 2018, the Department accepted as complete for processing, a renewal application from the OSD for Waste Discharge License (WDL) W000449-6D-I-R/Maine Pollutant Discharge Elimination System (MEPDES) permit ME0100986, which was issued on February 20, 2013, for a five-year term. The 2/20/13 MEPDES permit authorized OSD to discharge a monthly average flow of 1.28 million gallons per day (MGD) of secondary treated municipal wastewater from a publicly owned treatment works (POTW) to the Atlantic Ocean, Class SB, in Ogunquit, Maine.

PERMIT SUMMARY

This permitting action is carrying forward all the terms and conditions of the previous permitting action and subsequent minor revisions except that this permitting action is:

1. Eliminating the waiver that allows the percent removal for Biological Oxygen Demand (BOD) and Total Suspended Solids (TSS) to be waived when the monthly average influent concentration is less than 200 mg/L.

This space intentionally left blank

CONCLUSIONS

Based on the findings summarized in the attached Fact Sheet dated October 10, 2018, and subject to the special and standard conditions that follow, 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 natural resource, that water quality will be maintained and protected;

    c. Where the standards of classification of the receiving waterbody are not met, the discharge will not cause or contribute to the failure of the waterbody to meet the standards of classification;

    d. Where the actual quality of any classified receiving waterbody 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 waterbody, 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).

This space intentionally left blank

ACTION

Based on the findings and conclusions as stated above, the Department APPROVES the above noted application of the OGUNQUIT SEWER DISTRICT to discharge a monthly average flow of 1.28 MGD of secondary treated wastewater to Atlantic Ocean, Class SB, in Ogunquit, Maine, SUBJECT TO THE ATTACHED CONDITIONS, and all applicable standards and regulations including:

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 and the authorization to discharge become effective upon the date of signature below and expire at midnight five (5) years from the effective date. If a renewal application is timely submitted and accepted as complete for processing prior to the expiration of this permit, the authorization to discharge and the terms and conditions of this permit and all 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 CMR 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 filed with Board of Environmental Protection_____

Date of initial receipt of application: December 27, 2017
Date of application acceptance: January 2, 2018

This Order prepared by Aaron Dumont, BUREAU OF WATER QUALITY

SPECIAL CONDITIONS

A.1 EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Beginning upon issuance of this permit, the permittee is authorized to discharge secondary treated municipal wastewater from a publicly owned treatment works via **OUTFALL #002** to the Atlantic Ocean. Such discharges are limited and must be monitored by the permittee as specified below[(1)].

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]*	1.28 MGD *[03]*	---	Report MGD *[03]*	---	---	---	Continuous *[99/99]*	Recorder *[RC]*
BOD_5 *[00310]*	320 lbs./Day *[26]*	480 lbs./Day *[26]*	534 lbs./Day *[26]*	30 mg/L *[19]*	45 mg/L *[19]*	50 mg/L *[19]*	1/Week *[01/07]*	24 Hr. Composite *[24]*
BOD5 % Removal[(2)] *[81010]*	---	---	---	85% *[23]*	---	---	1/Month *[01/30]*	Calculate *[CA]*
TSS *[00545]*	320 lbs./Day *[26]*	480 lbs./Day *[26]*	534 lbs./Day *[26]*	30 mg/L *[19]*	45 mg/L *[19]*	50 mg/L *[19]*	1/Week *[01/07]*	24 Hr. Composite *[24]*
TSS % Removal[(2)] *[81011]*	---	---	---	85% *[23]*	---	---	1/Month *[01/30]*	Calculate *[CA]*
Settleable Solids *[00545]*	---	---	---	---	---	0.3 ml/L *[25]*	3/Week *[03/07]*	Grab *[GR]*
Fecal Coliform Bacteria[(3)(4)] *(Year-round)[74055]*	---	---	---	15/100 ml[(3)] *[13]*	---	50/100 ml *[13]*	1/Week *[1/07]*	Grab *[GR]*
Total Residual Chlorine[(5)] *(April – September)* *(October – March)* *[50060]*	---	---	---	0.1 mg/L *[19]*	---	0.3 mg/L *[19]* 0.65 mg/L *[19]*	1/Day *[01/01]* 1/Day *[01/01]*	Grab *[GR]* Grab *[GR]*
pH (Std. Units) *[00400]*	---	---	---	---	---	6.0-9.0 *[12]*	5/Week *[05/07]*	Grab *[GR]*
Mercury (Total)[(6)] *[71900]*	---	---	---	19.3 ng/L *[3M]*	---	29.0 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

FOOTNOTES: See Pages 6 – 9 of this permit for applicable footnotes.

SPECIAL CONDITIONS

A.2 EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (cont'd)

SCREENING LEVEL TESTING

Beginning 24 months prior to permit expiration and lasting through 12 months prior to permit expiration (Year 4 of the term of the permit) 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.

Effluent Characteristic	Discharge Limitations		Minimum Monitoring Requirements	
	Monthly Average	Daily Maximum	Measurement Frequency	Sample Type
Whole Effluent Toxicity [7] **Acute – NOEL** *Americamysis bahia* (Mysid shrimp) *[TDM3E]*	---	Report % *[23]*	1/Year *[01/YR]*	Composite *[24]*
Chronic – NOEL *Arbacia punctulata* (Sea urchin) *[TBH3A]*	---	Report % *[23]*	1/Year *[01/YR]*	Composite *[24]*
Analytical Chemistry [8,10] *[51477]*	---	Report ug/L *[28]*	1/Quarter *[01/90]*	Composite / Grab *[24/GR]*
Priority Pollutant [9,10] *[50008]*	---	Report ug/L *[28]*	1/Year *[01/YR]*	Composite / Grab *[24/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.

FOOTNOTES: See Pages 6 – 9 of this permit for applicable footnotes.

SPECIAL CONDITIONS

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

FOOTNOTES:

1. **Sampling** – The permittee must conduct all effluent 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 for wastewater by the State of Maine's Department of Health and Human Services. 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 CMR 263 (last amended 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 DMR.

2. **Percent Removal** – The permittee must achieve a minimum of 85 percent removal of both total suspended solids and biochemical oxygen demand for all flows receiving secondary treatment. The percent removal is calculated based on influent and effluent concentration values.

3. **Fecal Coliform Bacteria – Monitoring requirements are in effect year-round at the request of the Maine Department of Marine Resources in order to protect local shellfish resources near the outfall and to protect the health, safety and welfare of the public.**

4. **Fecal Coliform Bacteria Reporting** − The monthly average limitation is a geometric mean limitation and results shall be reported as such.

5. **Total residual chlorine (TRC) –** Limitations and monitoring requirements are in effect any time elemental chlorine or chlorine-based compounds are utilized to disinfect the discharge(s). The permittee must utilize a USEPA-approved test method capable of bracketing the TRC limitations specified in this permitting action. Monitoring for TRC is only required when elemental chlorine or chlorine-based compounds are in use for effluent disinfection. For instances when a facility has not disinfected with chlorine-based compounds for an entire reporting period, the facility must report "N9" on the electronic DMR.

This space intentionally left blank

SPECIAL CONDITIONS

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

FOOTNOTES:

6. **Mercury** – The permittee must conduct all mercury sampling required by this permit or required to determine compliance with interim limitations established pursuant to 06-096 CMR 519 in accordance with the USEPA's "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** for a Department report form for mercury test results. Compliance with the monthly average limitation established in Special Condition A.1 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.

7. **Whole Effluent Toxicity (WET)** – Definitive WET testing is a multi-concentration testing event (a minimum of five dilutions bracketing the critical acute and chronic thresholds of 2% and 1% respectively), which provides a point estimate of toxicity in terms of No Observed Effect Level, commonly referred to as NOEL or NOELC. 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 fertilization as the end point. The critical acute and chronic thresholds were derived as the mathematical inverse of the applicable acute and chronic dilution factors of 50:1 and 102:1, respectively. See **Attachment B** of this permit for a copy of the Department's WET reporting form.

   a. **Screening level testing** – Beginning 24 months prior to permit expiration and lasting through 12 months prior to permit expiration (Year 4 of the term of the permit) 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 screening level WET testing at a minimum frequency of once per year (1/Year). Acute tests must be conducted on the mysid shrimp (*Americamysis bahia*); chronic tests must be conducted on the sea urchin (*Arbacia punctulata*).

   b. **Surveillance level testing** – Surveillance level testing is waived pursuant to *Surface Water Toxics Control Program,* 06-096 CMR 530(2)(D)(3)(b) (effective March 12, 2012).

WET test results must be submitted to the Department no later than the next DMR required by the permit. 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 2% and 1%.

SPECIAL CONDITIONS

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

FOOTNOTES:

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.

a. U.S. Environmental Protection Agency. 2002. *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organism*s, 5th ed. USEPA 821-R-02-012. U.S. Environmental Protection Agency, Office of Water, Washington, D.C., October 2002 (the acute method manual);

b. U.S. Environmental Protection Agency. 2002. *Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Marine and Estuarine Organism*s, 3rd ed. EPA 821-R-02-014. U.S. Environmental Protection Agency, Office of Water, Washington, D.C., October 2002 (the marine chronic method manual).

Results of WET tests must be reported on the "*Whole Effluent Toxicity Report Marine Waters*" form included as **Attachment B** of this permit each time a WET test is performed. Each time a WET test is performed, the permittee must sample and analyze for the parameters in the WET Chemistry and the Analytical Chemistry sections of the Department form entitled, *Maine Department of Environmental Protection, WET and Chemical Specific Data Report Form* included as **Attachment C** of this permit.

8. Analytical chemistry – Refers to a suite of chemicals in **Attachment C** of this permit.

a. **Screening level testing** – Beginning 24 months prior to permit expiration and lasting through 12 months prior to permit expiration (Year 4 of the term of the permit) 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 screening level analytical chemistry testing at a minimum frequency of once per calendar quarter (1/Quarter).

b. **Surveillance level testing** – Surveillance level testing is not required pursuant to 06-096 CMR 530(2)(D)(3)(b).

This space intentionally left blank

SPECIAL CONDITIONS

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

FOOTNOTES:

9. **Priority pollutant testing** – Priority pollutants are those parameters listed in **Attachment C** of this permit.

   a. **Screening level testing** – Beginning 24 months prior to permit expiration and lasting through 12 months prior to permit expiration (Year 4 of the term of the permit) 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 screening level priority pollutant testing at a minimum frequency of once per year (1/Year).

   b. **Surveillance level testing** – Surveillance level testing is not required pursuant to 06-096 CMR 530(2)(D)(3)(b).

10. **Analytical chemistry and priority pollutant** – 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 DMR required by the permit. 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 Ambient Water Quality Criteria (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 "N-9" monitoring not required this period.

This space intentionally left blank

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 by 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 by the classification of the receiving waters.

3. The permittee must not discharge effluent that imparts color, turbidity, toxicity, radioactivity or other properties which cause those waters to be unsafe for the designated uses and characteristics ascribed to their classification.

4. The permittee must not discharge effluent that lowers the quality of any classified body of water below such classification, or lower 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 minimum of a **Maine Grade III,** Biological Treatment certificate (or Registered Maine 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. 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 Industrial Waste Survey (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 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).

This space intentionally left blank

SPECIAL CONDITIONS

E. 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 January 2, 2018; 2) the terms and conditions of this permit; and 3) only from Outfall #002. Discharges of wastewater from any other point source(s) 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.

F. NOTIFICATION REQUIREMENT

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 in the volume or character of pollutants being introduced into the wastewater collection and treatment system by a source introducing pollutants to the system at the time of permit issuance.

3. For the purposes of this section, notice regarding substantial change must include information on:

    a. the quality and quantity of wastewater introduced to the wastewater collection and treatment system; and

    b. any anticipated impact caused by the change in the quantity or quality of the wastewater to be discharged from the treatment system.

G. WET WEATHER MANAGEMENT PLAN

The treatment facility staff must have a current written Wet Weather Flow Management Plan to direct the staff on how to operate the facility effectively during periods of high flow. A specific objective of the plan must be to maximize the volume of wastewater receiving secondary treatment under all operating conditions. The revised plan 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 for before, during and after 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.

This space intentionally left blank

SPECIAL CONDITIONS

H. OPERATIONS AND 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.

I. DISPOSAL OF TRANSPORTED WASTES IN WASTEWATER TREATMENT FACILITY

During the effective period of this permit, the permittee is authorized to **receive** and **introduce** into the treatment process or solids handling stream up to **a daily maximum of 3,000 gallons per day and not to exceed a monthly total of 20,000 gallons** of transported wastes, subject to the following terms and conditions:

1. "Transported wastes" means any liquid non-hazardous waste delivered to a wastewater treatment facility by a truck or other similar conveyance that has different chemical constituents or a greater strength than the influent described on the facility's application for a waste discharge license. Such wastes may include, but are not limited to septage, industrial wastes or other wastes to which chemicals in quantities potentially harmful to the treatment facility or receiving water have been added.

2. The character and handling of all transported wastes received must be consistent with the information and management plans provided in application materials submitted to the Department.

This space intentionally left blank

SPECIAL CONDITIONS

I. DISPOSAL OF TRANSPORTED WASTES IN WASTEWATER TREATMENT FACILITY (cont'd)

3. At no time, may the addition of transported wastes cause or contribute to effluent quality violations. Transported wastes may not cause an upset of or pass through the treatment process or have any adverse impact on the sludge disposal practices of the wastewater treatment facility. Wastes that contain heavy metals, toxic chemicals, extreme pH, flammable or corrosive materials in concentrations harmful to the treatment operation must be refused. Odors and traffic from the handling of transported wastes may not result in adverse impacts to the surrounding community. If any adverse effects exist, the receipt or introduction of transported wastes into the treatment process or solids handling stream must be suspended until there is no further risk of adverse effects.

4. The permittee must maintain records for each load of transported wastes in a daily log which must include at a minimum the following:

   (a) The date;
   (b) The volume of transported wastes received;
   (c) The source of the transported wastes;
   (d) The person transporting the transported wastes;
   (e) The results of inspections or testing conducted;
   (f) The volumes of transported wastes added to each treatment stream; and
   (g) The information in (a) through (d) for any transported wastes refused for acceptance.

   These records must be maintained at the treatment facility for a minimum of five years.

5. The addition of transported wastes into the treatment process or solids handling stream must not cause the treatment facilities design capacity to be exceeded. If, for any reason, the treatment process or solids handling facilities become overloaded, introduction of transported wastes into the treatment process or solids handling stream must be reduced or terminated in order to eliminate the overload condition.

6. Holding tank wastewater from domestic sources to which no chemicals in quantities potentially harmful to the treatment process have been added must not be recorded as transported wastes but should be reported in the treatment facility's influent flow.

7. During wet weather events, transported wastes may be added to the treatment process or solids handling facilities only in accordance with a current Wet Weather Flow Management Plan approved by the Department pursuant to Special Condition G that provides for full treatment of transported wastes without adverse impacts.

This space intentionally left blank

SPECIAL CONDITIONS

I. DISPOSAL OF TRANSPORTED WASTES IN WASTEWATER TREATMENT FACILITY (cont'd)

8. In consultation with the Department, chemical analysis is required prior to receiving transported wastes from new sources that are not of the same nature as wastes previously received. The analysis must be specific to the type of source and designed to identify concentrations of pollutants that may pass through, upset or otherwise interfere with the facility's operation.

9. The authorization is subject to annual review and, with notice to the permittee and other interested parties of record, may be suspended or reduced by the Department as necessary to ensure full compliance with Chapter 555 of the Department's rules and the terms and conditions of this permit.

J. 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 D** 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 routine surveillance level 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.

This space intentionally left blank

SPECIAL CONDITIONS

K. 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 Discharge Monitoring Reports (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 15th 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 DEP 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 15th day of the month following the completed reporting period.

Toxsheet reporting forms must be submitted electronically as an attachment to an email sent to your Department compliance inspector. In addition, a signed hardcopy of your toxsheet must also be submitted.

A signed copy of the DMR and all other reports required herein must be submitted to the Department assigned compliance inspector (unless otherwise specified) following address:

Department of Environmental Protection
Southern Maine Regional Office
Bureau of Water Quality
Division of Water Quality Management
312 Canco Road
Portland, Maine 04103

This space intentionally left blank

SPECIAL CONDITIONS

L. REOPENING OF PERMIT FOR MODIFICATION

In accordance with 38 M.R.S. § 414-A(5) and upon evaluation of the tests results or monitoring requirements specified in 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 limits 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.

M. SEVERABILITY

In the event that any provision(s), 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.

ATTACHMENT A

Maine Department of Environmental Protection

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: ___ ___ _____ (mm dd yy) Sampling time: _____ AM/PM

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:** _____ **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 certifiy 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

MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION
WHOLE EFFLUENT TOXICITY REPORT
MARINE 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**	
	mysid shrimp	**sea urchin**
A-NOEL		
C-NOEL		

Effluent Limitations	
A-NOEL	
C-NOEL	

Data summary	**mysid shrimp**	**sea urchin**
	% survival	**% fertilized**
QC standard	**>90**	**>70**
lab control		
receiving water control		
conc. 1 (%)		
conc. 2 (%)		
conc. 3 (%)		
conc. 4 (%)		
conc. 5 (%)		
conc. 6 (%)		
stat test used		

Salinity Adjustment	
brine	
sea salt	
other	

place * next to values statistically different from controls

Reference toxicant	mysid shrimp	sea urchin
	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 _____ Company Telephone # _____

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

ATTACHMENT C

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)	m

Flow for Day (MGD)[1] _____ **Flow Avg. for Month (MGD)**[2] _____

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.

MARINE AND ESTUARY VERSION

Please see the footnotes on the last page.

WHOLE EFFLUENT TOXICITY

			Effluent Limits, %			Receiving Water or Ambient	**Effluent Concentration (ug/L or as noted)** WET Result, % Do not enter % sign	Reporting Limit Check	**Possible Exceedence** [7]		
			Acute	Chronic					Acute	Chronic	
	Mysid Shrimp										
	Sea Urchin										

WET CHEMISTRY

	pH (S.U.) (9)										
	Total Organic Carbon (mg/L)					NA					
	Total Solids (mg/L)					NA					
	Total Suspended Solids (mg/L)					NA					
	Salinity (ppt.)										

ANALYTICAL CHEMISTRY [3]

	Also do these tests on the effluent with WET. Testing on the receiving water is optional	Reporting Limit	Effluent Limits, ug/L Acute[6]	Chronic[6]	Health[6]			Reporting Limit Check	**Possible Exceedence** [7] 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 [3a]	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 [4]		Effluent Limits						Possible Exceedence [7]		
		Reporting Limit	Acute[6]	Chronic[6]	Health[6]			Reporting Limit Check	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
This form is for reporting laboratory data and facility information. Official compliance reviews will be done by DEP.

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-CHLOROETHYLVINYL 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:

ATTACHMENT D

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?	☐	☐
2	Changes in the condition or operations of the facility that may increase the toxicity of the discharge?	☐	☐
3	Changes in storm water collection or inflow/infiltration affecting the facility that may increase the toxicity of the discharge?	☐	☐
4	Increases in the type or volume of hauled wastes accepted by the facility?	☐	☐

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	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
WET Testing	□	□	□	□
Priority Pollutant Testing	□	□	□	□
Analytical Chemistry	□	□	□	□
Other toxic parameters [1]	□	□	□	□

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.

[1] This only applies to parameters where testing is required at a rate less frequently than quarterly.

MAINE POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT
MAINE WASTE DISCHARGE LICENSE

FACT SHEET

DATE: **October 10, 2018**

PERMIT NUMBER: **ME0100986**
WASTE DISCHARGE LICENSE: **W000449-6D-K-R**

NAME AND ADDRESS OF APPLICANT:

OGUNQUIT SEWER DISTRICT
SCHOOL STREET, P.O. BOX 934
OGUNQUIT, ME 03907

COUNTY: **YORK**

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

OGUNQUIT SEWER DISTRICT
80 MARSHVIEW LANE
OGUNQUIT, ME 03907

RECEIVING WATER CLASSIFICATION: **ATLANTIC OCEAN/CLASS SB**

COGNIZANT OFFICIAL CONTACT INFORMATION:

PHILIP PICKERING, SUPERINTENDENT
(207)-646-3271
phil@ogunquitsewerdistrict.org

1. APPLICATION SUMMARY

On January 2, 2018, the Department of Environmental Protection (Department) accepted as complete for processing, a renewal application from the Ogunquit Sewer District (OSD/permittee) for Waste Discharge License (WDL) W000449-6D-I-R /Maine Pollutant Discharge Elimination System (MEPDES) permit ME0100986, which was issued on February 20, 2013, for a five-year term. The 2/20/13 MEPDES permit authorized OSD to discharge a monthly average flow of 1.28 million gallons per day (MGD) of secondary treated municipal wastewater from a publicly owned treatment works (POTW) to the Atlantic Ocean, Class SB, in Ogunquit, Maine.

2. PERMIT SUMMARY

a. Terms and Conditions: This permitting action is carrying forward all the terms and conditions of the previous permitting action and subsequent minor revisions except that it:

1. Eliminating the waiver that allows the percent removal for Biological Oxygen Demand (BOD) and Total Suspended Solids (TSS) to be waived when the monthly average influent concentration is less than 200 mg/L.

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

November 14,1979 – The United States Environmental Protection Agency (USEPA) issued National Pollutant Discharge Elimination System (NPDES) permit #449 to the Ogunquit Sewer District for a five-year term.

April 15, 1985 – The USEPA issued NPDES permit #ME0100986 for a five-year term.

March 5, 1985 – The Department issued WDL #W000449-46-A-R for a five-year term.

August 23, 1991 – The Department issued WDL #W00449-4-B-R for a five-year term.

September 30, 1991 – The USEPA issued a renewal of NPDES permit #ME0100986 for a five-year term.

July 15, 1993 – The USEPA issued a modification of NPDES permit #ME0100986. The modification reduced whole effluent toxicity (WET) testing from 1/Quarter to 1/Year and reduced the monitoring frequency for enterococci and fecal coliform bacteria from 1/Day to 3/Week between October 1st and March 31st.

September 30, 1996 – The USEPA issued a renewal of NPDES permit #ME0100986/WDL for a five-year term.

March 23, 1998 – The Department issued WDL #W000449-46-D-R for a five-year term.

May 23, 2000 – The Department administratively modified the 3/23/98 WDL for the OSD facility by establishing interim monthly average and daily maximum concentration limits for mercury.

February 25, 2003 – The Department issued combination MEPDES permit #ME0100986/WDL #W000449-5L-F-R for a five-year term.

April 20, 2006 − The Department issued a modification of the 2/25/03 MEPDES permit by incorporating WET and chemical specific testing requirements pursuant to 06-096 CMR 530 promulgated on October 12, 2005.

March 12, 2008 – The Department issued combination MEPDES permit #ME0100986/WDL #W000449-5L-G-R for a five-year term.

2. PERMIT SUMMARY (cont'd)

February 6, 2012 − The Department issued a modification of MEPDES permit #ME0100986/WDL #W000449-5L-G-R for a reduction in the mercury testing frequency for total mercury from 4/Year to 1/Year based on *Certain deposits and discharges prohibited*, 38 M.R.S., § 420 sub-§1-B(F).

November 15, 2012 – The permittee submitted a timely and complete application to the Department for the renewal of combination MEPDES permit #ME0100986/WDL #W000449-5L-G-R which was issued by the Department on March 12, 2008, for a five-year term.

February 20, 2013 – The Department issued combination MEDES #ME0100986/WDL #W000449-5L-I-R for a five-year term.

December 27, 2017 – The permittee submitted a timely and complete application to the Department to renew #ME0100986/WDL #W000449-5L-I-R for a publicly owned wastewater treatment facility located at 80 Marshview Lane in Ogunquit. The application was accepted for processing by the Department on January 2, 2018.

c. Source Description: The wastewater treatment facility was originally constructed in 1963 and currently serves a population of approximately 1,400 users in the winter and up to 50,000 users during the summer months. The treatment facility receives sanitary wastewater generated by residential and commercial entities within the District's boundaries and does not have any industrial users contributing more than 10% of the flow or pollutant loading to the collection and/or wastewater treatment facility.

The sanitary sewer collection system consists of approximately eleven (11) miles of pipe with twelve (12) pump stations. Pumping stations #1, #2 and #4 have stand-by generators with an automatic transfer switch. All pumping stations have manual power transfer switches for the use of the District's three (3) portable generators. All pumping stations are equipped with visual and audio alarms as well as radio communication to the treatment facility where two (redundant) telemetry notification systems are engaged. The collection system is completely separated from the storm water collection system and as a result there are no combined sewer overflow (CSO) points in the collection system. The facility is authorized to receive up to 3,000 gallons per day and 20,000 gallons per month of transported from local haulers. Transported wastes means any liquid non-hazardous waste delivered to a wastewater treatment facility by a truck or other similar conveyance that has different chemical constituents or a greater strength than the influent described on the facility's application for a waste discharge license. Such wastes may include, but are not limited to septage, industrial wastes or other wastes to which chemicals in quantities potentially harmful to the treatment facility or receiving water have been added. The facility maintains an up-to-date transported waste management plan that has reviewed and approved by the Department.

d. Wastewater Treatment: The facility provides a secondary level of treatment via an activated sludge system operated in an extended aeration mode from November through March of each year and in the conventional aeration mode from April through October of each year. The treatment process includes an influent flow meter, a bar screen, grit chamber, four aeration basins (totaling 532,000 gallons) with fine bubble diffused aeration, two secondary clarifiers (each 45 feet in diameter and 12 feet deep) and a serpentine chlorine contact tank with a volume of 66,000 gallons followed by a flow meter. Two of the aeration basins have been modified to incorporate selector technology that have created anoxic zones prior to aeration zones to alleviate operational problems with nitrification. The effluent is disinfected on a year-round basis with sodium hypochlorite and de-chlorinated with sodium bisulfite

2. PERMIT SUMMARY (cont'd)

before discharge to the receiving waters. The wastewater treatment facility is equipped with a 350-kilowatt generator that will enable the facility to maintain a secondary level of treatment in the event of a power outage. The treated effluent is conveyed to the Atlantic Ocean for discharge via a pipe measuring fourteen (14) inches in diameter extended offshore approximately 1,950 feet. The end of the pipe is fitted with a 3-port diffuser to enhance mixing of the treated effluent with the receiving water. The facility has been disinfecting the discharge on a year-round basis since 1997 due to the potential for the harvesting of surf clams.

Sludge handling equipment at the facility includes three aerobic digesters with a total holding capacity of 320,000 gallons. The sludge is de-watered via a two-meter belt filter press and is currently being hauled to a processing facility in Plymouth, Maine.

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 CMR 530 (effective March 21, 2012), require the regulation of toxic substances not to exceed levels set forth in *Surface Water Quality Criteria for Toxic Pollutants*, 06-096 CMR 584 (effective July 29, 2012), and that 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 estuarine and marine waters, 38 M.R.S. § 469(8) classifies all estuarine and marine water lying within the boundaries of York County that are not otherwise classified are Class SB waters. *Standards for classification of estuarine and marine waters*, 38 M.R.S. § 465-B(2), describes the standards for Class SB waters.

5. RECEIVING WATER QUALITY CONDITIONS

The State of Maine 2016 Integrated Water Quality Monitoring and Assessment Report, prepared by the Department pursuant to Sections 303(d) and 305(b) of the Federal Water Pollution Control Act, lists marine waters at the permittee's outfall (Waterbody ID 824) as "Category 5-B-1(a): Estuarine and Marine Water Impaired for Bacteria Only − TMDL Required."

The Maine Department of Marine Resources (MEDMR) closes shellfish harvesting areas if there are known sources of discharges with unacceptable bacteria levels (thresholds established in the National Shellfish Sanitation Program) or maintains shellfish harvesting closure areas due to lack of updated information regarding ambient water quality conditions and current shoreline surveys. In addition, the MEDMR prohibits shellfish harvesting in the immediate vicinity of all wastewater treatment outfall pipes as a precautionary measure in the event of a failure in the treatment plant's disinfection system.

This space intentionally left blank

5. RECEIVING WATER QUALITY CONDITIONS (cont'd)

Thus, shellfish harvesting area #5 is closed to the harvesting of shellfish due the location of the Town's wastewater treatment plant outfall. The shellfish closure area can be found at http://www.maine.gov/dmr/shellfish-sanitation-management/closures/pollution.html

Category 5-D*: Estuarine and Marine Waters Impaired by Legacy Pollutants*. All estuarine and marine waters capable of supporting American lobster are listed in Category 5-D, partially supporting fishing ("shellfish" consumption) due to elevated levels of polychlorinated biphenyls (PCBs) and other persistent, bioaccumulating substances in lobster tomalley.

6. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

a. Flow: The previous permitting action established, and this permitting action is carrying forward, a monthly average discharge flow limit of 1.28 MGD based on the design capacity for the treatment facility, and a daily maximum discharge flow reporting requirement.

The Department reviewed 61 Discharge Monitoring Reports (DMRs) that were submitted for the period February 2013 – May 2018. A review of the data indicates that following:

Flow (DMRs=61)

Value	Limit (MGD)	Range (MGD)	Mean (MGD)
Monthly Average	1.28	0.16 – 0.9	0.5
Daily Maximum	Report	0.22 – 1.8	0.8

b. Dilution Factors: 06-096 CMR 530(4)(A)(2)(a) states that, *"For discharges to the ocean, dilution must be calculated as near-field or initial dilution, or that dilution available as the effluent plume rises from the point of discharge to its trapping level, at mean low water level and slack tide for the acute exposure analysis, and at mean tide for the chronic exposure analysis using appropriate models determined by the Department such as MERGE, CORMIX or another predictive model."* With a permitted flow limitation of 1.28 MGD and the location and configuration of the outfall structure, the Department has established dilution factors as follows:

Acute = 50:1 Chronic = 102:1 Harmonic mean[(1)] = 306:1

Notes:

[1]The harmonic mean dilution factor is approximated by multiplying the chronic dilution factor by three (3). This multiplying factor is based on guidelines for estimation of human health dilution presented in the U.S. EPA publication, "*Technical Support Document for Water Quality-Based Toxics Control"* (Office of Water; USEPA/505/2-90-001, page 88), and represents an estimation of harmonic mean flow on which human health dilutions are based in a riverine 7Q10 flow situation.

This space intentionally left blank

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

c. Biochemical Oxygen Demand and Total Suspended Solids:

The previous permitting action established, and this permitting action is carrying forward, monthly average and weekly average technology-based effluent limits of 30 mg/L and 45 mg/L, respectively, for BOD5 and TSS pursuant to the secondary treatment regulation at 40 CFR 133.102 and 06-096 CMR 525(3)(III). The previous permit also established the daily maximum effluent limit of 50 mg/L for both BOD5 and TSS based on a Department best professional judgment of best practicable treatment for secondary treated wastewater.

As for mass limitations, the previous permitting action established monthly average, weekly average and daily maximum mass limitations that are being carried forward in this permitting action and are based on a monthly average flow of 1.28 MGD. The mass limits were derived as follows:

Monthly Average Mass Limit: (30 mg/L)(8.34 lbs./gallon)(1.28 MGD) = 320 lbs./day
Weekly Average Mass Limit: (45 mg/L)(8.34 lbs./gallon)(1.28 MGD) = 480 lbs./day
Daily Maximum Mass Limit: (50 mg/L)(8.34 lbs./gallon)(1.28 MGD) = 534 lbs./day

This permitting action is carrying forward a requirement for a minimum of 85% removal of BOD_5 and TSS as required by 06-096 CMR 525(3)(III)(a)(3) and (b)(3) of the Department's rules. The permittee has not demonstrated that it qualifies for special considerations pursuant to 06-096 CMR 525(3)(IV) to maintain a waiver from the 85% removal requirement when influent concentration is less than 200 mg/L, which was established in the previous permit. Therefore, this permitting action is eliminating the waiver from the 85% removal requirement provided in the previous permitting action when influent concentration is less than 200 mg/L.

The Department reviewed 61 DMRs that were submitted for the period February 2013 – May 2018. A review of data indicates the following:

BOD_5 Mass (DMRs=61)

Value	Limit (lbs./day)	Range (lbs./day)	Mean (lbs./day)
Monthly Average	320	6 – 218	29
Weekly Average	480	8 – 310	43
Daily Maximum	534	8 – 310	46

BOD_5 Concentration (DMRs=61)

Value	Limit (mg/L)	Range (mg/L)	Mean (mg/L)
Monthly Average	30	3.0 – 33.0	6.9
Weekly Average	45	3.0 – 49.0	9.0
Daily Maximum	50	4.0 – 49.0	10.0

TSS Mass (DMRs=61)

Value	Limit (lbs./day)	Range (lbs./day)	Mean (lbs./day)
Monthly Average	320	3 – 125	24
Weekly Average	480	5 – 155	35
Daily Maximum	534	6 – 267	49

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

TSS Concentration (DMRs=61)

Value	Limit (mg/L)	Range (mg/L)	Mean (mg/L)
Monthly Average	30	2 – 19.0	5.3
Weekly Average	45	3 – 25.0	7.3
Daily Maximum	50	3 – 42.0	9.4

d. Settleable Solids: The previous permitting action established and this permitting action is carrying forward a daily maximum technology limit of 0.3 ml/L for settleable solids, which is considered by the Department as a best professional judgment of BPT for secondary treated wastewater, along with a minimum monitoring frequency requirement of 3/Month. The Department is considering 61 months of data (February 2013 – May 2018.). During this reporting period of February 2013 – May 2018 the permittee reported no excursions that exceeded the daily maximum of 0.3 ml/L for settleable solids.

Settleable Solids Concentration (DMRs=61)

Value	Limit (ml/L)	Range (ml/L)	Average (ml/L)
Daily Maximum	0.3	0.10 – 0.02	0.1

e. Fecal Coliform Bacteria: The previous permitting action established monthly average and daily maximum concentration limits of 15 colonies/100 ml and 50 colonies/100 ml, respectively, for fecal coliform bacteria, which are consistent with the National Shellfish Sanitation Program.

A summary of effluent fecal coliform bacteria data as reported on the DMRs for the period February 2013 – May 2018 is as follows:

Fecal coliform bacteria (DMR = 61)

Value	Limit (col/100 mL)	Range (col/100 mL)	Mean (col/100 mL)
Monthly Average	15	1 – 31	4
Daily Maximum	50	1 – 165	14

The previous permit established and this permit is carrying forward a minimum monitoring frequency for fecal coliform bacterial of one time per week (1/Week) based on the Department best professional judgment (BPJ). At the request of the Maine Department of Marine Resources **fecal coliform bacteria and total residual chlorine (TRC) limits and monitoring requirements are in effect year-round whenever chlorine compounds are in use at the request of the Maine Department of Marine Resources in order to protect local shellfish resources near the outfall and to protect the health, safety and welfare of the public.**

This space intentionally left blank

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

f. Total Residual Chlorine (TRC): Limits on total residual chlorine are specified to ensure attainment of the in-stream water quality criteria for chlorine and that Best Practicable Treatment (BPT) technology is utilized to abate the discharge of chlorine. Permits issued by this Department impose the more stringent of the calculated water quality based or BPT based limits. The previous permitting action established a monthly average technology based limit of 0.1 mg/L and a daily maximum technology based limitation of 0.3 mg/L. End-of-pipe water quality based thresholds for TRC were calculated as follows:

			Calculated	
Acute (A) Criterion	Chronic (C) Criterion	A & C Acute Dilution Factors	Acute Threshold	Chronic Threshold
0.013 mg/L	0.0075 mg/L	50:1 (A) 102:1 (C)	0.65 mg/L	0.76 mg/L

The Department has established a daily maximum best practicable treatment (BPT) limitation of 1.0 mg/L for facilities that disinfect their effluent with elemental chlorine or chlorine based compounds unless the calculated acute water quality based threshold is lower than 1.0 mg/L. For facilities that need to de-chlorinate the discharge to meet water quality based thresholds, the Department has established daily maximum and monthly average best practicable treatment limits of 0.3 mg/L and 0.1 mg/L respectively. Because the facility needs to de-chlorinate the discharge from April – September of each year to meet the calculated water quality thresholds, this permitting action is carrying forward the daily maximum and monthly average BPT limitations of 0.3 mg/L and 0.1 mg/L.

For the period of October – March when influent flow to the treatment facility is significantly lower than April – September (tourist season) the permittee has demonstrated through testing that it can meet both the fecal coliform bacteria and water quality based TRC limits without utilizing dechlorination compounds. As a result, this permit is carrying forward the daily maximum water quality based limit of 0.65 mg/L for October – March.
The Department reviewed 61 DMRs that were submitted for the period February 2013 – May 2018. A review of data indicates the following:

Total Residual Chlorine (DMRs=61)

Value	Limit (mg/L)	Range (mg/L)	Mean (mg/L)
Monthly Average	0.1	0.03 – 0.05	0.03
Daily Maximum	0.3	0.03 – 0.65	0.112

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 (SU), which is based on 06-096 CMR 525(3)(III)(c) and a minimum monitoring frequency requirement of 5/Week.

A summary of pH data as reported on the monthly DMRs for the period of February 2013 – May 2018 (DMRs = 61) indicates the effluent pH has ranged from 6.20 to 7.10 (SU).

pH (DMRs=61)

Value	Limit (SU)	Range (SU)
Monthly Average	6.0 – 9.0	6.20 – 7.10
Daily Maximum	6.0 – 9.0	6.80 – 7.80

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

h. Mercury: 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 an interim average and daily maximum effluent concentration limits of 19.3 parts per trillion (ppt) and 29.0 ppt, respectively, and a minimum monitoring frequency requirement of two (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 Ambient Water Quality Criteria (AWQC) for mercury if the facility is in compliance with an interim discharge limit established by the Department. A review of the Department's data base for the period April 1999 – June 2016 indicates the permittee has been in compliance with the interim limits for mercury as results have been reported as follows:

Mercury (DMRs=56)

Value	Limit (ng/L)	Range (ng/L)	Mean (ng/L)
Average	4.8	1.00 – 34.00	4.8
Daily Maximum	34.0		

The Department issued a minor revision on February 6, 2012, to the October 12, 2011, permit thereby revising the minimum monitoring frequency requirement from twice per year to once per year given the permittee has maintained at least 5 years of mercury testing data. Pursuant to 38 M.R.S. § 420(1-B)(F), this permitting action is carrying forward the 1/Year monitoring frequency established in the February 6, 2012, permit modification.

i. Nitrogen:

The USEPA requested the Department evaluate the reasonable potential for the discharge of total nitrogen to cause or contribute to non-attainment of applicable water quality standards in marine waters, namely dissolved oxygen (DO) and marine life support. The permittee voluntarily participated in a Department-coordinated project using a Maine certified analytical lab to determine typical effluent nitrogen concentrations, and submitted monthly composite samples from June-October, 2015 (n = 5). The mean value of the permittee's five samples was 11.2 mg/L. For this reasonable potential evaluation, the Department considers 11.2 mg/L to be representative of total nitrogen discharge levels from the Ogunquit facility.

As of the date of this permitting action, the State of Maine has not promulgated numeric ambient water quality criteria for total nitrogen. According to several studies in USEPA's Region 1, numeric total nitrogen criteria have been established for relatively few estuaries, but the criteria that have been set typically fall between 0.35 mg/L and 0.50 mg/L to protect marine life using dissolved oxygen as the indicator. While the thresholds are site-specific, nitrogen thresholds set for the protection of eelgrass habitat range from 0.30 mg/L to 0.39 mg/L. Based on studies in USEPA's Region 1 and the Department's best professional judgment of thresholds that are protective of Maine water quality standards, the Department is utilizing a threshold of 0.45 mg/L for the protection of aquatic life in marine waters using dissolved oxygen as the indicator, and 0.32 mg/L for the protection of aquatic life using eelgrass as the indicator.

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

Two known surveys have been completed along the Ogunquit shoreline that specifically documented presence/absence of eelgrass. The surveys were conducted by the ME DMR in 1995 and 2010, and delineated the nearest eelgrass bed at more than 10 km to the north of the discharge location. Based on the absence of historically identified eelgrass in the vicinity of the Ogunquit wastewater discharge, the use of 0.45 mg/L as a threshold value for dissolved oxygen as the indicator is appropriate for this receiving water.

With the exception of ammonia, nitrogen is not acutely toxic; thus, the Department is considering a far-field dilution to be more appropriate when evaluating impacts of total nitrogen to the marine environment. The permittee's facility has a chronic near-field dilution of 102:1. Far-field dilutions are significantly higher than the near-field dilutions, typically ranging from 10 – 100 times higher, depending on the location of the outfall pipe and nature of the receiving waterbody. The permittee's facility discharges into the open ocean, approximately 400 meters offshore. Situationally, this would imply a far field multiplication factor on the higher end of the range. A conservative factor of 50 was chosen for this site, which results in a far field dilution factor of 5,100:1 (102 X 50 = 5,100).

Using this far-field dilution factor, the increase in total nitrogen concentration in the relative vicinity of the Ogunquit discharge is estimated to be approximately 0.002 mg/L.

Total nitrogen concentrations in effluent = 11.2 mg/L
Far-field dilution factor = 5,100:1

$$\text{In-stream concentration after dilution: } \frac{11.2 \text{ mg/L}}{5{,}100} = 0.002 \text{ mg/L}$$

The Department and external partners have been collecting ambient total nitrogen data along Maine's coast. The Department has selected seven sites from the embayment adjacent to the towns of Wells and Ogunquit whose data from July, August and September of 2004 and 2009-2011 best represent the ambient conditions likely to occur in this nearshore marine environment during the summer months. From these sites, the Department has calculated a mean background surface water total nitrogen concentration of 0.18 ± 0.04 mg/L (n=15). Accompanying these total nitrogen values are dissolved oxygen profiles and transparency and chlorophyll *a* data, none of which indicate water quality degradation illustrative of eutrophication. More specifically, dissolved oxygen concentrations ranged from 7.0-10.1 mg/L, transparency values ranged from 4.0-8.0 m depth, and all chlorophyll *a* values were less than 3.4 µg/L.

Based on the calculated ambient value for this receiving water, the estimated increase in ambient total nitrogen after reasonable opportunity for mixing in the far-field is 0.18 mg/L + 0.002 mg/L = 0.182 mg/L. The in-stream concentration value of 0.182 mg/L is considerably less than the Department and USEPA's best professional judgment based total nitrogen threshold of 0.45 mg/L for the protection of aquatic life using dissolved oxygen as an indicator. Using the reasonable potential calculations above and in the absence of any information that the receiving water is not attaining standards, the Department is making a best professional judgment determination that the discharge of total nitrogen from the Ogunquit POTW does not exhibit a reasonable potential to exceed applicable water quality standards for Class SB waters. This permitting action is not establishing limitations or monitoring requirements for total nitrogen.

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

j. 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 analytical chemistry testing, as required by 06-096 CMR 530, is included in this permit in order to characterize the effluent. 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 mysid shrimp *(Americamysis bahia)* and the sea urchin *(Arbacia punctulata)*. 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 C of the permit. Analytical chemistry refers to those pollutants listed under "Analytical Chemistry" on the form included as Attachment C 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 exceedances of narrative or numerical water quality criteria.

Ogunquit Sewer District 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 discharges subject to the toxics rule into one of four levels (Level 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 ≥20:1 but <100:1.
Level III	Chronic dilution factor ≥100:1 but <500:1 or >500:1 and Q ≥1.0 MGD
Level IV	Chronic dilution factor >500:1 and Q ≤1.0 MGD

Based on the Chapter 530 criteria, the permittee's facility falls into the Level III frequency category as the facility has a chronic dilution factor >100:1 but <500:1 or >500:1 and Q >1.0 MGD. 06-096 530(2)(D)(1) specifies that routine screening and surveillance level testing requirements are as follows:

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

Screening level testing

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

Surveillance level testing

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

k. Whole Effluent Toxicity (WET) Evaluation: 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 exceedance of water quality criteria, appropriate water quality-based limits must be established in any licensing action.

On March 1, 2018, the Department conducted a statistical evaluation on the most recent 60 months of WET test results on file with the Department for the Town in accordance with the statistical approach outlined above. The 3/1/18 statistical evaluation indicates that none of the results had a reasonable potential to exceed the chronic or acute ambient water quality threshold. See **Attachment D** of this Fact Sheet for a summary of the WET test results.

Based on the provisions of 06-096 CMR 530 and Department best professional judgment, this permitting action is carrying forward the reduced surveillance level WET testing requirements for this facility. Special Condition G. 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.

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

l. 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 must 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 must 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.

06-096 CMR 530(3)(E) states, "Where it is determined through [the statistical approach referred to in USEPA's Technical Support Document for Water Quality-Based Toxics Control] that a discharge contains pollutants or WET at levels that have a reasonable potential to cause or contribute to an exceedance of water quality criteria, appropriate water quality-based limits must be established in any licensing action."

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

06-096 CMR 530(3)(D) states, "Where the need for effluent limits has been determined, limits derived from acute water quality criteria must be expressed as daily maximum values. Limits derived from chronic or human health criteria must be expressed as monthly average values."

Chemical specific evaluation

As with WET test results, the Department conducted a statistical evaluation on March 1, 2018, for the most current 60 months of analytical chemistry and priority pollutant test results on file. The evaluation 3/1/18 statistical evaluation indicates that none of the results had a reasonable potential to exceed the chronic or acute ambient water quality thresholds. See **Attachment E** of this Fact Sheet for the individual test results.

As for the remaining chemical specific parameters tested to date, none of the test results in the 55-month evaluation period exceed or have a reasonable potential to exceed applicable acute, chronic or human health AWQC. Therefore, this permitting action carrying forward screening level reporting and monitoring frequency for analytical chemistry at 1/Year during the screening level year pursuant to 06-096 CMR 530(2)(D)(3)(c). As with reduced WET testing, the permittee must file an annual certification with the Department pursuant to Chapter 530 §2(D)(4) and Special Condition K of this permit.

7. DISPOSAL OF SEPTAGE WASTE IN WASTEWATER TREATMENT FACILITY

The previous permitting action authorized the District to receive and introduce up to 3,000 gpd of septage. 06-096 CMR 555, *Standards For The Addition of Transported Wastes to Wastewater Treatment Facilities*, limits the quantity of septage received at a facility to 1% of the design capacity of treatment facility if the facility utilizes a side stream or storage method of introduction into the influent flow, or 0.5% of the design capacity of the facility if the facility does not utilize the side stream or storage method of introduction into the influent flow. A facility may receive more than 1% of the design capacity on a case-by-case basis. In their application for permit renewal, permittee has requested the Department carry forward the daily quantity of transported waste it is authorized to receive and treat (up to3,000 gpd) as it does utilize the side stream/storage method of metering wastes into the facility's influent flow. With a design capacity of 1.28 MGD, 3,000 gpd only represents 0.23% of said capacity.

8. 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 or contribute to the failure of the Atlantic Ocean in Ogunquit to meet standards for Class SB classification.

9. PUBLIC COMMENTS

Public notice of this application was made in *York County Coast Star* newspaper on or about December 21, 2017. 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 CMR 522 (effective January 12, 2001).

10. DEPARTMENT CONTACTS

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

Aaron Dumont
Bureau of Water Quality
Department of Environmental Protection
17 State House Station
Augusta, Maine 04333-0017 Telephone: (207) 592-7161
e-mail: Aaron.A.Dumont@maine.gov

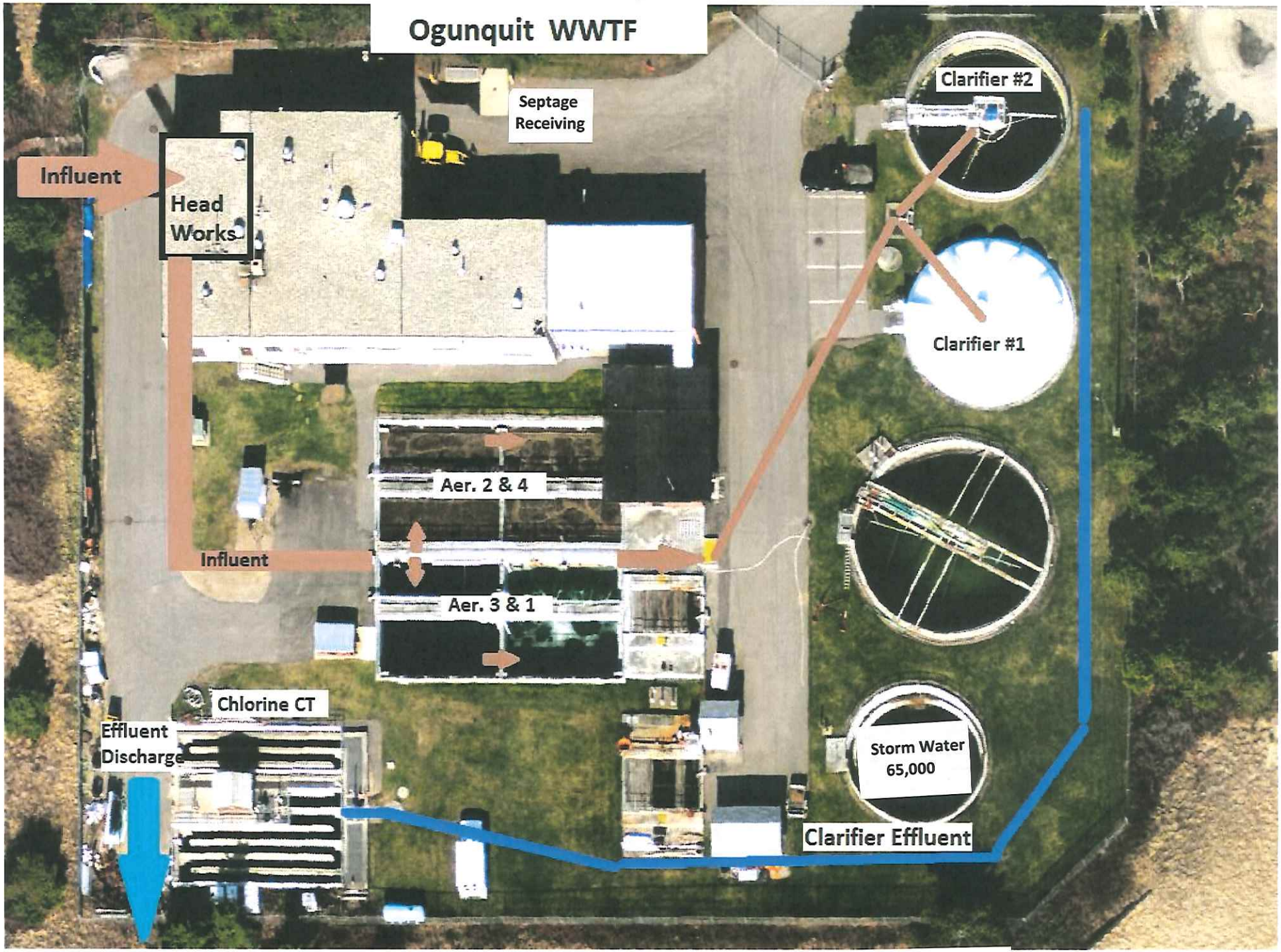
11. RESPONSE TO COMMENTS

This section left blank until end of comment period.

ATTACHMENT A

Outfall Information: 2.

ATTACHMENT B



Addition of Transported Wastes In WWTF: III. F.

Publicly Owned Treatment Facility: 2. A.

ATTACHMENT C

FACILITY WET EVALUATION REPORT

Facility: OGUNQUIT SEWER DISTRICT **Permit Number:** ME0100986 **Report Date:** 3/22/2018

Receiving Water: ATLANTIC OCEAN **Rapidmix:** Y

Diluition Factors: 1/4 Acute: N/A Acute: 50.000 Chronic: 102

Effluent Limits: Acute (%): 2.000 Chronic (%): 0.980 **Date range for Evaluation: From** 22/Mar/2013 **To:** 22/Mar/2018

Test Type: A_NOEL

Test Species	Test Date	Result (%)	Status
MYSID SHRIMP	10/19/2016	100.000	OK

Species Summary:

Test Number: 1 **RP:** 6.200 **Min Result (%):** 100.000 **RP factor (%):** 16.129 **Status:** OK

Test Type: C_NOEL

Test Species	Test Date	Result (%)	Status
SEA URCHIN	10/19/2016	100.000	OK

Species Summary:

Test Number: 1 **RP:** 6.200 **Min Result (%):** 100.000 **RP factor (%):** 16.129 **Status:** OK

ATTACHMENT D

CHEMICAL EVALUATION REPORT (INDIVIDUAL)

3/1/2018

Report ID: 961 **Data Date Range:** 01/Mar/2013 -01/Mar/2018

Facility: **OGUNQUIT SEWER DISTRICT** Permit Number: **ME0100986**

Receiving Water: **ATLANTIC OCEAN** Fresh or Salt: **S** Complete Mix: **Y**

Dilution Factors: Acute: **50.0** Chronic: **102.0** Health: **306.0** Licensed Flow: **1.3**

Water Quality Assumptions: Reserve (%): **0.0** Background (%): **10.0** Temperature: **25.0**

Hardness: **20.0** PH: **7.0** Salinity: **30.0**

Historical Average Date: **01/Mar/2018**

Specific pollutants with reasonable potential: Number of parameters found = 18

Pollutant: **ACROLEIN** Reporting Limit: Sample Number: **1**

Coefficient of Variation: **0.6** Reasonable Potential Factor: **6.2**

Historical Average: **N/A** RP Historical Average: **N/A**

Facility Allocation:	Acute	Chronic	Health
Pounds per day	N/A	N/A	N/A
Exceedence ug/L	---	---	---
RP ug/L	---	---	---

***** INDIVIDUAL RESULTS *****

					Exceedence or Reasonable Potential and Basis		
Flag	**Daily Flow**	**Date**	**Concentration**	**Mass**	**Acute**	**Chronic**	**Health**
IN	0.6340	07/20/2016	<25	---	---	---	---

Pollutant: **ACRYLONITRILE** Reporting Limit: Sample Number: **1**

Coefficient of Variation: **0.6** Reasonable Potential Factor: **6.2**

Historical Average: **N/A** RP Historical Average: **N/A**

Facility Allocation:	Acute	Chronic	Health
Pounds per day	N/A	N/A	N/A
Exceedence ug/L	---	---	---
RP ug/L	---	---	---

***** INDIVIDUAL RESULTS *****

					Exceedence or Reasonable Potential and Basis		
Flag	**Daily Flow**	**Date**	**Concentration**	**Mass**	**Acute**	**Chronic**	**Health**
IN	0.6340	07/20/2016	<25	---	---	---	---

Pollutant: **ALUMINUM** Reporting Limit: Sample Number: **4**

Coefficient of Variation: **0.6** Reasonable Potential Factor: **2.6**

Historical Average: **N/A** RP Historical Average: **N/A**

Facility Allocation:	Acute	Chronic	Health
Pounds per day	N/A	N/A	N/A
Exceedence ug/L	---	---	---
RP ug/L	---	---	---

******* INDIVIDUAL RESULTS *******

					Exceedence or Reasonable Potential and Basis		
Flag	**Daily Flow**	**Date**	**Concentration**	**Mass**	**Acute**	**Chronic**	**Health**
IN	0.5420	04/11/2016	36	0.16273	---	---	---
IN	0.3410	05/16/2016	37	0.10523	---	---	---
IN	0.6340	07/20/2016	29	0.15334	---	---	---
IN	0.2880	10/19/2016	44	0.10568	---	---	---

Pollutant: **AMMONIA** Reporting Limit: Sample Number: **4**

Coefficient of Variation: **0.6** Reasonable Potential Factor: **2.6**

Historical Average: **N/A** RP Historical Average: **N/A**

Facility Allocation:	Acute	Chronic	Health
Pounds per day	N/A	N/A	N/A
Exceedence ug/L	---	---	---
RP ug/L	---	---	---

******* INDIVIDUAL RESULTS *******

					Exceedence or Reasonable Potential and Basis		
Flag	**Daily Flow**	**Date**	**Concentration**	**Mass**	**Acute**	**Chronic**	**Health**
IN	0.5420	04/11/2016	1400	6.32839	---	---	---
IN	0.3410	05/16/2016	510	1.45041	---	---	---
IN	0.6340	07/20/2016	0.22	0.00116	---	---	---
IN	0.2880	10/19/2016	160	0.38431	---	---	---

Pollutant: **ARSENIC** Reporting Limit: **5.0** Sample Number: **5**

Coefficient of Variation: **0.6** Reasonable Potential Factor: **6.2**

Historical Average: **N/A** RP Historical Average: **N/A**

Facility Allocation:	Acute	Chronic	Health
Pounds per day	N/A	N/A	N/A
Exceedence ug/L	---	---	---
RP ug/L	---	---	---

******* INDIVIDUAL RESULTS *******

					Exceedence or Reasonable Potential and Basis		
Flag	**Daily Flow**	**Date**	**Concentration**	**Mass**	**Acute**	**Chronic**	**Health**
IN	0.7460	07/22/2013	<2	---	---	---	---
IN	0.5420	04/11/2016	<2	---	---	---	---

IN	0.3410	05/16/2016	<2	---	---	---	---
IN	0.6340	07/20/2016	<2	---	---	---	---
IN	0.2880	10/19/2016	1.9	0.00456	---	---	---

Pollutant: **BIS(2-ETHYLHEXYL)PHTHALATE** Reporting Limit: **10.0** Sample Number: **1**

Coefficient of Variation: **0.6** Reasonable Potential Factor: **6.2**

Historical Average: **N/A** RP Historical Average: **N/A**

Facility Allocation:	Acute	Chronic	Health
Pounds per day	N/A	N/A	N/A
Exceedence ug/L	---	---	---
RP ug/L	---	---	---

******* INDIVIDUAL RESULTS *******

					Exceedence or Reasonable Potential and Basis		
Flag	**Daily Flow**	**Date**	**Concentration**	**Mass**	**Acute**	**Chronic**	**Health**
IN	0.6340	07/20/2016	7.5	0.03966	---	---	---

Pollutant: **CHLORODIBROMOMETHANE** Reporting Limit: **3.0** Sample Number: **1**

Coefficient of Variation: **0.6** Reasonable Potential Factor: **6.2**

Historical Average: **N/A** RP Historical Average: **N/A**

Facility Allocation:	Acute	Chronic	Health
Pounds per day	N/A	N/A	N/A
Exceedence ug/L	---	---	---
RP ug/L	---	---	---

******* INDIVIDUAL RESULTS *******

					Exceedence or Reasonable Potential and Basis		
Flag	**Daily Flow**	**Date**	**Concentration**	**Mass**	**Acute**	**Chronic**	**Health**
IN	0.6340	07/20/2016	<3	---	---	---	---

Pollutant: **CHLOROFORM** Reporting Limit: **5.0** Sample Number: **1**

Coefficient of Variation: **0.6** Reasonable Potential Factor: **6.2**

Historical Average: **N/A** RP Historical Average: **N/A**

Facility Allocation:	Acute	Chronic	Health
Pounds per day	N/A	N/A	N/A
Exceedence ug/L	---	---	---
RP ug/L	---	---	---

******* INDIVIDUAL RESULTS *******

					Exceedence or Reasonable Potential and Basis		
Flag	**Daily Flow**	**Date**	**Concentration**	**Mass**	**Acute**	**Chronic**	**Health**
IN	0.6340	07/20/2016	17	0.08989	---	---	---

Pollutant: **CHROMIUM** Reporting Limit: **10.0** Sample Number: **4**

Coefficient of Variation: **0.6** Reasonable Potential Factor: **6.2**

Historical Average: **N/A** RP Historical Average: **N/A**

Facility Allocation:	Acute	Chronic	Health
Pounds per day	N/A	N/A	N/A
Exceedence ug/L	---	---	---
RP ug/L	---	---	---

******* INDIVIDUAL RESULTS *******

					Exceedence or Reasonable Potential and Basis		
Flag	**Daily Flow**	**Date**	**Concentration**	**Mass**	**Acute**	**Chronic**	**Health**
IN	0.5420	04/11/2016	<2	---	---	---	---
IN	0.3410	05/16/2016	<2	---	---	---	---
IN	0.6340	07/20/2016	<2	---	---	---	---
IN	0.2880	10/19/2016	<1	---	---	---	---

Pollutant: **COPPER** Reporting Limit: **3.0** Sample Number: **4**

Coefficient of Variation: **0.6** Reasonable Potential Factor: **2.6**

Historical Average: **N/A** RP Historical Average: **N/A**

Facility Allocation:	Acute	Chronic	Health
Pounds per day	N/A	N/A	N/A
Exceedence ug/L	---	---	---
RP ug/L	---	---	---

******* INDIVIDUAL RESULTS *******

					Exceedence or Reasonable Potential and Basis		
Flag	**Daily Flow**	**Date**	**Concentration**	**Mass**	**Acute**	**Chronic**	**Health**
IN	0.5420	04/11/2016	6	0.02712	---	---	---
IN	0.3410	05/16/2016	6	0.01706	---	---	---
IN	0.6340	07/20/2016	12	0.06345	---	---	---
IN	0.2880	10/19/2016	13	0.03122	---	---	---

Pollutant: **DICHLOROBROMOMETHANE** Reporting Limit: **3.0** Sample Number: **1**

Coefficient of Variation: **0.6** Reasonable Potential Factor: **6.2**

Historical Average: **N/A** RP Historical Average: **N/A**

Facility Allocation:	Acute	Chronic	Health
Pounds per day	N/A	N/A	N/A
Exceedence ug/L	---	---	---
RP ug/L	---	---	---

******* INDIVIDUAL RESULTS *******

					Exceedence or Reasonable Potential and Basis		
Flag	**Daily Flow**	**Date**	**Concentration**	**Mass**	**Acute**	**Chronic**	**Health**
IN	0.6340	07/20/2016	5.3	0.02802	---	---	---

Pollutant: **LEAD** Reporting Limit: **3.0** Sample Number: **4**

Coefficient of Variation: **0.6** Reasonable Potential Factor: **6.2**

Historical Average: **N/A** RP Historical Average: **N/A**

Facility Allocation:	Acute	Chronic	Health
Pounds per day	N/A	N/A	N/A
Exceedence ug/L	---	---	---
RP ug/L	---	---	---

******* INDIVIDUAL RESULTS *******

					Exceedence or Reasonable Potential and Basis		
Flag	**Daily Flow**	**Date**	**Concentration**	**Mass**	**Acute**	**Chronic**	**Health**
IN	0.5420	04/11/2016	1	0.00452	---	---	---
IN	0.3410	05/16/2016	2	0.00569	---	---	---
IN	0.6340	07/20/2016	2	0.01058	---	---	---
IN	0.2880	10/19/2016	1.3	0.00312	---	---	---

Pollutant: **MERCURY** Reporting Limit: **0.0** Sample Number: **5**

Coefficient of Variation: **0.6** Reasonable Potential Factor: **2.3**

Historical Average: **N/A** RP Historical Average: **N/A**

Facility Allocation:	Acute	Chronic	Health
Pounds per day	N/A	N/A	N/A
Exceedence ug/L	---	---	---
RP ug/L	---	---	---

******* INDIVIDUAL RESULTS *******

					Exceedence or Reasonable Potential and Basis		
Flag	**Daily Flow**	**Date**	**Concentration**	**Mass**	**Acute**	**Chronic**	**Health**
IN	0.7460	07/22/2013	0.0032	2E-05	---	---	---
IN	1.2800	06/18/2014	0.0021	2E-05	---	---	---
IN	1.2800	02/10/2016	0.0017	2E-05	---	---	---
IN	1.2800	07/21/2016	0.00202	2E-05	---	---	---
IN	1.2800	08/22/2017	0.00163	2E-05	---	---	---

Pollutant: **NICKEL** Reporting Limit: **5.0** Sample Number: **4**

Coefficient of Variation: **0.6** Reasonable Potential Factor: **6.2**

Historical Average: **N/A** RP Historical Average: **N/A**

Facility Allocation:	Acute	Chronic	Health
Pounds per day	N/A	N/A	N/A
Exceedence ug/L	---	---	---
RP ug/L	---	---	---

******* INDIVIDUAL RESULTS *******

					Exceedence or Reasonable Potential and Basis		
Flag	**Daily Flow**	**Date**	**Concentration**	**Mass**	**Acute**	**Chronic**	**Health**
IN	0.5420	04/11/2016	<2	---	---	---	---

IN	0.3410	05/16/2016	<2	---	---	---	---
IN	0.6340	07/20/2016	<2	---	---	---	---
IN	0.2880	10/19/2016	2.2	0.00528	---	---	---

Pollutant: **PHENOL** Reporting Limit: **5.0** Sample Number: **1**

Coefficient of Variation: **0.6** Reasonable Potential Factor: **6.2**

Historical Average: **N/A** RP Historical Average: **N/A**

Facility Allocation:	Acute	Chronic	Health
Pounds per day	N/A	N/A	N/A
Exceedence ug/L	---	---	---
RP ug/L	---	---	---

******* INDIVIDUAL RESULTS *******

					Exceedence or Reasonable Potential and Basis		
Flag	**Daily Flow**	**Date**	**Concentration**	**Mass**	**Acute**	**Chronic**	**Health**
IN	0.6340	07/20/2016	<5	---	---	---	---

Pollutant: **TOLUENE** Reporting Limit: **5.0** Sample Number: **1**

Coefficient of Variation: **0.6** Reasonable Potential Factor: **6.2**

Historical Average: **N/A** RP Historical Average: **N/A**

Facility Allocation:	Acute	Chronic	Health
Pounds per day	N/A	N/A	N/A
Exceedence ug/L	---	---	---
RP ug/L	---	---	---

******* INDIVIDUAL RESULTS *******

					Exceedence or Reasonable Potential and Basis		
Flag	**Daily Flow**	**Date**	**Concentration**	**Mass**	**Acute**	**Chronic**	**Health**
IN	0.6340	07/20/2016	<5	---	---	---	---

Pollutant: **TRICHLOROETHYLENE** Reporting Limit: **3.0** Sample Number: **1**

Coefficient of Variation: **0.6** Reasonable Potential Factor: **6.2**

Historical Average: **N/A** RP Historical Average: **N/A**

Facility Allocation:	Acute	Chronic	Health
Pounds per day	N/A	N/A	N/A
Exceedence ug/L	---	---	---
RP ug/L	---	---	---

******* INDIVIDUAL RESULTS *******

					Exceedence or Reasonable Potential and Basis		
Flag	**Daily Flow**	**Date**	**Concentration**	**Mass**	**Acute**	**Chronic**	**Health**
IN	0.6340	07/20/2016	<3	---	---	---	---

Pollutant: **ZINC** Reporting Limit: **5.0** Sample Number: **4**

Coefficient of Variation: **0.6** Reasonable Potential Factor: **2.6**

Historical Average: **N/A** RP Historical Average: **N/A**

Facility Allocation:	Acute	Chronic	Health
Pounds per day	N/A	N/A	N/A
Exceedence ug/L	---	---	---
RP ug/L	---	---	---

******* INDIVIDUAL RESULTS *******

					Exceedence or Reasonable Potential and Basis		
Flag	**Daily Flow**	**Date**	**Concentration**	**Mass**	**Acute**	**Chronic**	**Health**
IN	0.5420	04/11/2016	42	0.18985	---	---	---
IN	0.3410	05/16/2016	66	0.1877	---	---	---
IN	0.6340	07/20/2016	110	0.58163	---	---	---
IN	0.2880	10/19/2016	0.092	0.00022	---	---	---