



Maine Department of Environmental Protection

**General Application for  
Waste Discharge License (WDL) /  
Maine Pollutant Discharge Elimination System (MEPDES) Permit**

Regulatory requirements for the preparation and filing of applications may be found in Chapters 2, 521 and 522 of the Department's rules.

**GENERAL INSTRUCTIONS**

1. This general form is to be used to make application for the discharge of pollutants to the surface waters of the State, from all source except from privately owned discharges subject to the Over Board Discharge Program requirements.
2. Applicants are responsible for publishing public notice of their application at the time it is filed with the Department. See pages 7 and 8.
3. For a proposed new discharge of wastewater of more than 25,000 gallons per day or a project involving licenses from more than two bureaus in DEP, an applicant must conduct a public informational meeting before submitting an application to the Department. See page 7.
4. In some circumstances an applicant must have a pre-application or pre-submission meeting with the Department prior to filing of an application. See page 9.
5. At the time an application is filed with the Department, a copy must be provided to the municipal office and notice provided to all abutters by certified mail. See page 7.
6. Application fees must be paid at the time an application for a **new** discharge or permit is filed. Contact the Department for additional information and calculation of the fee amount. For existing discharges, fees are charged on an annual basis and application fees are not required with an application for permit renewal.
7. Attach additional sheets as necessary in answering specific questions. Be sure to number each sheet to identify the question to which it pertains.
8. Failure to fully complete all required forms or to pay necessary application fees will result in the application being returned.
9. After completing the application, submit 2 copies to:

Maine Department of Environmental Protection  
Bureau of Water Quality  
Division of Water Quality Management  
State House Station 17  
Augusta, Maine 04333-0017

10. Please read the entire application form before furnishing any information. If you need any assistance in filling out the form or required attachments, please contact the Department at the above address or by calling (207) 287-7688.

*[Handwritten signature]*

Maine Department of Environmental Protection  
General Application for WDL / MEPDES Permit

This application is for a:

☐ New discharge ☒ Renewal ☐ Increased discharge ☐ Transfer of owner ☐ Modification ☐ Other: \_\_\_\_\_

If assigned: MEPDES#: ME 0100064

WDL #: W - 002750

- 5L - E - R

FACILITY AND APPLICANT INFORMATION

1. Facility Information (911 Address):

Facility Name: Boothbay Harbor Sewer District

Town: Boothbay Harbor

Global Positioning System (GPS) reference data if available 43.51.03.77 N 69.37.58.11 W

Facility Type: ☐ Federal ☐ State ☒ Other Public ☐ Private ☐ Other

Receiving Water Name(s): Boothbay Harbor

State: ME Zip: 04538

2. Applicant Information:

Name: Boothbay Harbor Sewer District

Address: 27 Sea Street

Town: Boothbay Harbor

Telephone: 207-633-4663

e-mail: crhiggins@bbhsd.org

State: ME Zip: 04538

3. Owner Information (if different from Applicant):

Name:

Address:

Town:

Telephone:

e-mail:

State: Zip:

4. Operator Information (if different from Applicant/Owner):

Name:

Address:

Town:

Telephone:

e-mail:

State: Zip:

NOTE: If a wastewater treatment facility is operated under a contract with third party, the contract for services must be reviewed and approved by the Department.

5. Cognizant Official (Person to whom correspondence regarding this application should be sent):

Name: Chris Higgins

Address: 27 Sea Street

Town: Boothbay Harbor

Telephone: 207-633-4663

e-mail: crhiggins@bbhsd.org

State: ME Zip: 04538

6. Person in responsible charge of the treatment facility operations:

Name: Chris Higgins

Operator's license #: 733

Grade: VB

Telephone: 207-633-4663

Professional Engineer? NO

7. Briefly describe nature of business and activities requiring WDL /MEPDES Permit:

The Boothbay Harbor Sewer District operates and maintains a 0.640 MGD SBR wastewater facility and collection system to treat (secondary) wastewater generated in Boothbay Harbor, Boothbay, Squirrel Island (Southport), and Capital Island (Southport) and discharge such to Boothbay Harbor/Atlantic Ocean.

X

ELECTRONICALLY SIGNED DECISIONS

8. Electronically signed decision options. To expedite processing of applications and reduce paper usage, **all final decisions on an application will be electronically signed by the Commissioner (or his/her designee) and will be sent to the respective e-mail addresses provided for the Applicant and the Cognizant Official listed on this application, unless the "opt out" signature block is signed below.**

*I hereby decline to receive an electronically signed decision on the WDL/MEPDES permit via e-mail and choose to receive manually signed (hand written) decision via regular (U.S. Postal) mail.*

Sign to **DECLINE** only

(Applicant):

Date:

SUPPORTING MATERIALS AND REQUIRED ATTACHMENTS

9. For **new and transfer applications only** from privately-owned facilities, include: Not Applicable

☐ A Certificate of Good Standing issued by the Maine Secretary of State.

☐ Proof of Title, Right or Interest (TRI) in the property on which the treatment system and outfall pipes and structures are or will be located. See Chapter 2 of the Department's rules for TRI criteria.

10. For **transfer applications only**, answer the following then skip to the Certification on page 6.  
Not Applicable

A. Name of current/former owner:

B. Describe any planned changes in the current discharge:

C. Provide a statement describing the technical and financial capacity to comply with the current permit conditions and applicable laws and rules. (use a separate sheet)

11. Unless submitted previously and there have been no changes, provide a topographic map (or other map if a topographic map is unavailable) extending one mile beyond the property boundaries of the source, depicting the facility and each of its intake and discharge structures. Submitted Previously

12. If modification of an existing permit is being requested, attach a statement describing the nature of the modification and the reasons or circumstances necessitating the change. Include any relevant modified process flow schematics available.

13. Attachments for specific activities and circumstances. For each specific question, check 'Yes' or 'No' to indicate if the statement is applicable to a discharge or activity described in this application. Where 'Yes' is checked, attach the applicable form.

Specific Question	Yes	No	Applicable Form
A. Is this facility a publicly owned treatment works treating sanitary wastewaters?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	DEP Form: Publicly Owned Treatment Facilities
B. Does this application seek authorization to introduce septage into treatment works?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	DEP Form: Disposal of Septage and Holding Tank Wastes in Wastewater Treatment Facility
C. Is this application for a subsurface wastewater disposal system?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	DEP Form: Application for Subsurface Wastewater Disposal System
D. Is this application for a land surface (including spray irrigation) wastewater disposal system?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	DEP Form: Application for Surface Wastewater Disposal System
E. Is this a food processing facility or POTW that treats food processing wastewaters?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	DEP Form: Food Processing Facilities
F. Is this an existing discharge of industrial process wastewater?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EPA Form: 2C
G. Is this to be a new discharge of industrial process wastewater?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EPA Form: 2D
H. Is this a discharge of non-contact cooling water?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EPA Form: 2E
I. Is this discharge of storm water associated with an industrial activity?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EPA Form: 2F
J. Is this a discharge of non-process wastewater?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	EPA Form 2E
K. Is this application for an Atlantic salmon net pen facility?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	DEP Form: Supplemental Information for Atlantic Salmon Aquaculture Net Pen (for Individual Permit)
L. Is this a fish hatchery or rearing facility?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	DEP Form: Fish Rearing Facilities
M. Does this application involve a new or modified outfall structure?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	DEP Form: Outfall Information
N. Is this application for a waste snow dump?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	DEP Form: Supplemental Information for Snow Dumps

OUTFALL AND TREATMENT INFORMATION

Use attachments as necessary to provide details for each discharge point and treatment system. See Attachment A, Attachment I

14. Describe each discharge location. Include all combined sewer overflow (CSO) points, bypasses, emergency discharge points (EDP), at pump stations, etc.

<u>Outfall Number/Name</u>	<u>Description, Volume Discharged and Receiving Water</u>
001 See Attachment A & I	Main Plant Discharge Line 0.640 MGD Boothbay Harbor, Class SB for more EDP's and descriptions

If any of the above-listed discharges (other than CSOs) are intermittent (EDP) or seasonal, please describe the nature, circumstances and duration of each.

See Attachment A for discussion on EDP's

15. Briefly describe current treatment facilities or methods for each discharge.

See Attachment B

16. If this is a renewal application, please describe all significant modifications to the treatment facilities (and collection system if applicable) since the last permit application was filed.

See Attachment E

17. Are new or expanded treatment facilities or outfall structures being proposed? NO If so, please include a construction schedule. Plans and specifications must be submitted to the Department for review and approval prior to construction of the facilities.

18. If this application is for a new or increased discharge, include a statement that: Not Applicable

- A. describes in detail the nature of and reason for the requested increase in pollutant loading to the receiving water;
- B. if the Department determines that the discharge will diminish the remaining assimilative capacity of the receiving water, demonstrates that alternative methods to reduce or eliminate the increased discharge are not feasible. Include engineering and economic analyses that consider alternative methods of production, process controls, wastewater minimization methods, improved wastewater treatment methods and alternate disposal sites; and
- C. if the Department determines that the discharge will diminish the remaining assimilative capacity of the receiving water, demonstrates that the increased pollutant load will result in important social and economic benefits to the State.

CERTIFICATION

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

Additionally, by signing below, I certify that  
(1) notice of this application has been made by publication in the Boothbay Register newspaper circulated in the area where the project site is located on or about July 27, 2020 (a copy of the advertising form is included in this application); (2) notice has been sent by certified mail or Certificate of Mailing to owners of land abutting the discharge site (a copy of the list of abutters is included in this application); and (3) notice and a copy of this application have been provided to the clerk of the municipality(ies) where the discharge is located.

The forgoing steps have been taken in accordance with the instructions attached to this application and the provisions of Chapters 2 and 522 of the Department's rules.

By: Signature:



Date: ~~AUG 13 2020~~  
July 27, 2020

Printed Name: Chris Higgins

Title: Superintendent

Assisting Parties. If the applicant has been assisted in preparing this application, the person assisting must sign below.

Signature:

Date:

Printed Name:

Telephone:

Affiliation:

Address:

State:

Zip:

Town:

Professional Registration or Certification:

See following pages for requirements on public notice, public meetings, pre-applications meetings and pre-submission meetings.





Instructions for providing notices of the application. For all applications, the first 3 items must be completed. If the application is for a new discharge, you must also complete item 4.

1. *Publication of Public Notice.* Applicants for waste discharge permits are required to publish a public notice that the application is being filed with the Department of Environmental Protection. The notice must be published within 30 days prior to the application being sent to the Department. The notice should be published in the legal advertisement section of a daily or weekly newspaper having general circulation in the area where the discharge will occur. If the public notice is not published at the proper time or if the application is returned because it is incomplete, you may be asked to have the notice published a second time.

Using the form on the next page, fill in the blanks with the appropriate information. Strike out all of the items (CSO, multiple discharge sources, etc.) in the second paragraph that do not apply to your discharge. The form may then be sent to the newspaper that is to publish the notice. Additionally, include a copy of the form with the application filed with the Department.

2. *Notice to Abutters.* Applicants are also required to send a copy of the public notice by certified mail or Certificate of Mailing to all abutting property owners within 30 days prior to the application being filed with the Department. For the purposes of public notice of this application, an "abutter" is any person who owns property that is both (1) adjoining and (2) within 1 mile of the delineated project boundary, including owners of property directly across a public or private right of way. Additionally, include a copy of the form with the application filed with the Department.

3. *Notice to Municipal Office.* Applicants are required to send a copy of the public notice by certified mail to the town or city clerk of each municipality where the discharge is located within 30 days prior to the application being filed with the Department. Applicants must also file a duplicate copy of the application with each municipality.

4. *Public Meeting.* Where the application is for a new discharge of greater than 25,000 gallons per day, you must hold a public meeting in accordance with Chapter 2, Section 8, of the Department's rules. Notice of the meeting must be sent to abutters and the clerk of the municipality(ies) where the discharge is located at least 10 days prior to the meeting. Notice of the meeting must be published in the same newspaper used to publish the notice of filing.

After all required notices have been made, sign the statement on the Certification page of the application.

NOTICE OF INTENT TO FILE  
MAINE WASTE DISCHARGE LICENSE / MAINE POLLUTANT DISCHARGE ELIMINATION  
SYSTEM PERMIT APPLICATION

Please take note that, pursuant to 38 MRSA, Sections 413 and 414-A, the Boothbay Harbor Sewer District of Boothbay Harbor, ME intends to file a wastewater discharge permit application with the Department of Environmental Protection (DEP). The application is for the discharge of 640,000 Gallons of Secondary Treated Wastewater to the Boothbay Harbor in Boothbay Harbor, Maine.

The application will filed on or about July 27, 2020, and will be available for public inspection at DEP's Augusta office during normal business hours. A copy may also be seen at the municipal offices at 11 Howard Street, Boothbay Harbor, Maine 04538.

A request for a public hearing or request that the Board of Environmental Protection assume jurisdiction over this application must be received by the DEP, in writing, no later than 20 days after the application is found acceptable for processing, or 30 days from the date of this notice, whichever is longer. Requests shall state the nature of the issue(s) to be raised. Unless otherwise provided by law, a hearing is discretionary and may be held if the Commissioner or the Board finds significant public interest or there is conflicting technical information.

During the time specified above, persons wishing to receive copies of draft permits and supporting documents, when available, may request them from DEP. Persons receiving a draft permit shall have 30 days in which to submit comments or to request a public hearing on the draft.

Public comment will be accepted until a final administrative action is taken to approve, approve with conditions or deny this application. Written public comments or requests for information may be made to

Maine Department of Environmental Protection  
Division of Water Quality Management  
Department of Environmental Protection  
State House Station #17  
Augusta, Maine 04333-0017  
Telephone (207) 287-7688

*Handwritten signature*



### **Pre-application and pre-submission meetings**

**Pre-application meetings.** Pre-application meetings between the applicant and the Department are an opportunity for the applicant to determine the statutory and regulatory requirements that apply to a specific project and to identify a Project Manager for the application. The purpose of these meetings is to identify issues, processing times, fees and the types of information and documentation necessary for the Department to properly assess the project. The applicant shall consult the appropriate bureau Permit Assistance Coordinator to determine what information the applicant must provide before or during a pre-application meeting. Any applicant may request a pre-application meeting. The Department shall make a date available for the meeting as expeditiously as possible, but no later than 30 days from receipt of a written request and receipt of all information required for a pre-application meeting by the bureau. The Department shall prepare a written summary of all pre-application meetings.

For waste discharge permits, pre-application meetings are required prior to submission to or acceptance by the Department of an application for the following:

New wastewater discharge license for a discharge greater than 25,000 gallons per day (38 M.R.S.A. Sections 413, et seq.);

Projects requiring new or amended licenses involving more than two bureaus.

**Pre-submission meetings.** Pre-submission meetings between the applicant and the Department occur after the applicant has finished preparing the application for submission. These meetings are an opportunity to review the assembled application to ensure that the necessary information has been included prior to filing the application with the Department. An applicant may request a pre-submission meeting by contacting the Project Manager, or the Permit Assistance Coordinator for the bureau if no Project Manager has been identified. The Department shall make a date available for the meeting as expeditiously as possible, but no later than 20 days from receipt of a written request.

For waste discharge permits, a pre-submission meeting is required prior to submission to or acceptance by the Department of an application for the following:

Any application for which a pre-application meeting was held; or

Any application that has been previously rejected by the Department (see Chapter 2, Section 7-B of the Department's rules).

**Waivers.** The requirement of a pre-application or pre-submission meeting may be waived by written notice from the Department and agreement by the applicant. The Department will agree to waive a pre-application or pre-submission meeting if the Department is satisfied that such a meeting would be of no value in achieving the purposes noted above.

Note: The waiver of a pre-application or pre-submission meeting does not waive the public informational meeting required for new discharges of more than 25,000 gallons per day.



Maine Department of Environmental Protection  
Waste Discharge Permit Application

## Publicly Owned Treatment Facilities

This form must be attached to the General Application for a Waste Discharge License / MEPDES Permit  
(Form DEPLW0105-B2003)

Please answer all questions completely, using additional pages as necessary with responses clearly identified by item number on this form.

1. Facility Name: Boothbay Harbor Sewer District NPDES # ME 0100064

2. Wastewater treatment facilities for normal (or dry weather) flows.

A.) Please show below or attach a line drawing showing all treatment units and important associated or supporting units.

Please See Attachment D

B.) What is the design capacity of treatment facility in MGD?

Monthly Average 0.640 Daily Maximum 1.2 Peak Rate 2.0

3. Wastewater treatment facilities for storm water flows.

A.) Please show below or attach a line drawing with all treatment units or operating practices used for storm water flows above the capacity of the facilities used for normal flows.

The Boothbay Harbor Sewer District has a separated collection system and therefore does not treat storm water. However, the District does have inflow and infiltration. See Attachment D

B.) What is the design capacity in MGD? Daily maximum 1.2 Peak Rate 2.0

C.) What is the frequency of high flows? During periods of excessive rain events and heavy spring runoff.

D.) Does the facility have a high flow management plan? Yes  
If so, date of last revision January 2019

4. Wastewater collection system.

A.) List below all Combined Sewer Overflow/EDP points in the system, even if inactive.

Number	Name	Location	Receiving Water
002	PS 01	Union Street Pump Station	Boothbay Harbor
003	PS 03	Mill Cove/Western Avenue	Boothbay Harbor
004	PS 02	Atlantic Avenue Pump Station	Boothbay Harbor
005	PS 05	Townsend Avenue	Mill Creek
006	MH 2-53	Off Giles Place	Boothbay Harbor
007	PS 18	McKown Point Road @ DMR	Boothbay Harbor

B.) Describe any significant problems or issues with the collection system that affect the wastewater treatment facility operation or effluent quality.

See Attachment K

5. Transported wastes received. (See Chapter 555 of the Department's rules.)

A.) Gallons of transported waste currently authorized. Monthly total 198400; Daily Max 6400

B.) Gallons of transported waste requested for future. Monthly total 198400; Daily Max 6400

C.) Describe current and/or proposed septage receiving and treatment facilities. Please attach the management plan for these facilities, per Chapter 555, Section 6.

See Attachments F, G, and L

D.) Are other wastes received by truck or other dedicated conveyance? Yes If so, describe.

The District accepts lime-stabilized (pH 10) holding tank waste from the Boothbay Region Refuse District. Waste is trucked from the BRRD via private haulers and is processed through the District's septage receiving station.

6. Industrial contributions. Include only process and other non-domestic wastes.

A.) Process wastes from categorical users. See appendix A for a list of categorical industries.

Source	Type of wastes	Pretreated?	Average volume and strength
None			

B.) Other significant (non-categorical) sources of process wastes.

Source	Type of wastes	Pretreated?	Average volume and strength
Boothbay Region Water District	water treatment filtration backwash	no	35,000 gpd, BOD: 10-50 mg/l, TSS: 300-1,000 mg/l

C.) Other miscellaneous wastes such as rinse waters, cooling waters, etc.

Source	Nature of waste	Average volume and strength
None		

7. Facility modifications or improvements. Please include reference to plans, studies or reports done in support of these changes as appropriate.

A.) Describe modifications and improvements that have been completed since the previous permit issuance or reissuance.

See Attachment E

B.) Describe modifications or improvements being planned or under consideration, including proposed implementation schedules.

Currently, an Aeration Blower Evaluation is underway to replace the 1994 vintage PD Roots Blowers.

8. Facility operations.

A.) Describe significant operational issues, upsets and problems that have been encountered during the past two years.

Any non-compliance issues have been due to high flow caused by excessive rain events. Dry weather operation is routine.

B.) Describe any proposed changes to the present facility operation.

None



9. Person completing this form

Name: Chris Higgins  Phone: 207-633-4663

Affiliation: Boothbay Harbor Sewer District Date: July 27, 2020

Appendix A. List of Primary Industrial Categories

Adhesives and sealants  
Auto and other laundries  
Coal mining  
Copper forming  
Electroplating  
Foundries  
Inorganic chemicals manufacturing  
Leather tanning and finishing  
Nonferrous metals manufacturing  
Organic chemicals manufacturing  
Pesticides  
Pharmaceutical preparations  
Plastics processing  
Porcelain enameling  
Pulp and paper mills  
Soap and detergent manufacturing  
Textile mills

Aluminum forming  
Battery manufacturing  
Coil coating  
Electrical and electronic components  
Explosives manufacturing  
Gum and wood chemicals  
Iron and steel manufacturing  
Mechanical products manufacturing  
Ore mining  
Paint and ink formulation  
Petroleum refining  
Photographic equipment and supplies  
Plastic and synthetic materials manufacturing  
Printing and publishing  
Rubber processing  
Steam electric power plants  
Timber products processing



**Maine Department of Environmental Protection**  
**Waste Discharge Permit Application**

**Outfall Information**

DEPLW0102

Revised: 05/21/2020

This form must be attached to the General Application for a Waste Discharge License / MEPDES Permit  
(Form DEPLW0105-B2003)

Please answer all questions completely, using additional pages as necessary with responses clearly identified by item number on this form.

1. Facility Name: Boothbay Harbor Sewer District MEPDES # ME 0100064

2. Attach a plan of the treatment facility or discharge sources showing the location of each outfall and the receiving water. Please number each outfall with the corresponding number from the permit application. See Attachment I

3. For each outfall, provide the following information. Please use additional forms as necessary to describe all outfall locations.

A. Outfall name: Main Effluent Line Outfall number: 001

B. Flow discharged. Average: 0.640 MGD Maximum: 2.00 MGD

C. Diameter of outfall pipe: 24 inches

D. Depth below mean low water at outlet: 25 feet

E. Describe any diffusers, mixers or similar structures used to disperse the effluent.  
Please include drawings or diagrams as appropriate. (use a separate sheet)  
Please See Attachments H.1 and H.2

A. Outfall name: PS 01 EDP Outfall number: 002

B. Flow discharged. Average: 0 MGD Maximum: 0 MGD

C. Diameter of outfall pipe: 8 inches

D. Depth below mean low water at outlet: +15 feet

E. Describe any diffusers, mixers or similar structures used to disperse the effluent.  
Please include drawings or diagrams as appropriate.

See Attachment I

W





**Maine Department of Environmental Protection**  
**Waste Discharge Permit Application**

**Outfall Information**

DEPLW0102

Revised: 05/21/2020

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1. Facility Name: Boothbay Harbor Sewer District MEPDES # ME 0100064

2. Attach a plan of the treatment facility or discharge sources showing the location of each outfall and the receiving water. Please number each outfall with the corresponding number from the permit application. See Attachment I

3. For each outfall, provide the following information. Please use additional forms as necessary to describe all outfall locations.

A. Outfall name: PS 03 EDP Outfall number: 003

B. Flow discharged. Average: 0 MGD Maximum: 0 MGD

C. Diameter of outfall pipe: 8 inches

D. Depth below mean low water at outlet: +16 feet

E. Describe any diffusers, mixers or similar structures used to disperse the effluent. Please include drawings or diagrams as appropriate. (use a separate sheet) Please See Attachments I

A. Outfall name: PS 02 EDP Outfall number: 004

B. Flow discharged. Average: 0 MGD Maximum: 0 MGD

C. Diameter of outfall pipe: 6 inches

D. Depth below mean low water at outlet: +15 feet

E. Describe any diffusers, mixers or similar structures used to disperse the effluent. Please include drawings or diagrams as appropriate.

See Attachment I

*Handwritten signature*



Maine Department of Environmental Protection  
Waste Discharge Permit Application

Outfall Information

DEPLW0102

Revised: 05/21/2020

This form must be attached to the General Application for a Waste Discharge License / MEPDES Permit  
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Please answer all questions completely, using additional pages as necessary with responses clearly identified by item number on this form.

1. Facility Name: Boothbay Harbor Sewer District MEPDES # ME 0100064

2. Attach a plan of the treatment facility or discharge sources showing the location of each outfall and the receiving water. Please number each outfall with the corresponding number from the permit application. See Attachment I

3. For each outfall, provide the following information. Please use additional forms as necessary to describe all outfall locations.

A. Outfall name: PS 05 EDP Outfall number: 005

B. Flow discharged. Average: 0 MGD Maximum: 0 MGD

C. Diameter of outfall pipe: 8 inches

D. Depth below mean low water at outlet: 2 feet

E. Describe any diffusers, mixers or similar structures used to disperse the effluent. Please include drawings or diagrams as appropriate. (use a separate sheet) Please See Attachments I

A. Outfall name: MH 2-53 EDP Outfall number: 006

B. Flow discharged. Average: 0 MGD Maximum: 0 MGD

C. Diameter of outfall pipe: 8 inches

D. Depth below mean low water at outlet: +6 feet

E. Describe any diffusers, mixers or similar structures used to disperse the effluent. Please include drawings or diagrams as appropriate.

See Attachment I

dx



**Maine Department of Environmental Protection**  
**Waste Discharge Permit Application**

**Outfall Information**

DEPLW0102

Revised: 05/21/2020

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(Form DEPLW0105-B2003)

Please answer all questions completely, using additional pages as necessary with responses clearly identified by item number on this form.

1. Facility Name: Boothbay Harbor Sewer District MEPDES # ME 0100064

2. Attach a plan of the treatment facility or discharge sources showing the location of each outfall and the receiving water. Please number each outfall with the corresponding number from the permit application. See Attachment I

3. For each outfall, provide the following information. Please use additional forms as necessary to describe all outfall locations.

A. Outfall name: PS 18 EDP Outfall number: 007

B. Flow discharged. Average: 0 MGD Maximum: 0 MGD

C. Diameter of outfall pipe: 8 inches

D. Depth below mean low water at outlet: +26 feet

E. Describe any diffusers, mixers or similar structures used to disperse the effluent. Please include drawings or diagrams as appropriate. (use a separate sheet) Please See Attachments I

A. Outfall name: \_\_\_\_\_ Outfall number: \_\_\_\_\_

B. Flow discharged. Average: \_\_\_\_\_ MGD Maximum: \_\_\_\_\_ MGD

C. Diameter of outfall pipe: \_\_\_\_\_ inches

D. Depth below mean low water at outlet: \_\_\_\_\_ feet

E. Describe any diffusers, mixers or similar structures used to disperse the effluent. Please include drawings or diagrams as appropriate.

*Handwritten signature*



## APPLICATION FOR ADDITION OF TRANSPORTED WASTES IN WASTEWATER TREATMENT FACILITIES

Pursuant to Department of Environmental Protection Rules Chapter 555

This application is to be submitted with a General Application for a Discharge License. A public notice for this submittal is required, either as part of a renewal application or independently if submitted as a modification to an existing license. Please contact the Department for details as necessary.

Please answer all questions clearly and completely, and attach narratives, drawings, etc. as required or appropriate to supplement this form.

### I. Applicant Information

Applicant: Boothbay Harbor Sewer District MEPDES permit number ME 0100064  
Contact person: Chris Higgins  
Telephone: 207-633-4663 e-mail: crhiggins@bbhsd.org  
Treatment facility location: 27 Sea St. Boothbay Harbor, ME 04538

### II. Facility information.

#### A. Treatment facility design data.

Average daily flow  
Average daily BOD loading  
Average daily TSS loading

0.640	MGD
1601	lbs/day
1601	lbs/day

#### B. Treatment facility influent information for the most recent 12 months. Please exclude loads from any transported wastes received.

	Average		Maximum	
Flow	0.316	MGD	1.334	MGD
BOD	674	lbs/day	2233	lbs/day
Suspended Solids	686	lbs/day	2473	lbs/day

#### C. Please describe any significant monthly or seasonal variations in these data:

The above data reduces approximately 40-60% in the shoulder seasons of November through May.

- D. Please list other pollutants (e.g. metals, nutrient, organic compounds) believed to be present in specific transported waste sources other than domestic septage. Attach summaries of testing, if appropriate.

III. Receiving facilities and practices.

A. Physical location: **27 Sea Street, Boothbay Harbor, ME**

B. How is access controlled? **Locked Gate**

C. Hours of operation: **7 to 3**

D. How are volumes measured? **All wastes measured via a 3-inch magnetic flow meter.**

E. What methods (such as inspections, source contacts, testing, etc.) and frequencies are used to verify the characteristics of wastes received?

District personnel monitor all unloading and randomly sample for pH, TSS, and COD.

F. [Note: if a facility proposes to receive wastes of a different nature than previously accepted, advance testing is required. Contact the Department for details.]

G. Please attach a schematic drawing of the receiving facilities and, if appropriate, a narrative of receiving facility operations, features, limitations, etc.

See Attachments F, G, and L

IV. Nature and volume of transported wastes.

Description of waste	Use default strength? *	Daily Maximum Volume, Gallons	Percent of design flow	Monthly total volume, gallons
Septage	<input checked="" type="checkbox"/>	6400	1	198400
	<input type="checkbox"/>			
	<input type="checkbox"/>			
	<input type="checkbox"/>			
Totals				

\* Chapter 555 contains a default rebuttable presumption that transported wastes have a BOD and TSS concentrations of 7,500 mg/L and 15,000 mg/L, respectively. Applicants should submit information demonstrating other concentrations for all or specific wastes to be received. In preparation to do so, the Department should be contacted in advance to ensure appropriate information is submitted.

If the total percent of design flow is greater than 1%, section VI must be completed.

- E. A narrative description of the operational practices and procedures that will be used to minimize the impact of transported wastes on wastewater treatment processes, the quality of the effluent discharged, and sludge disposal practices. This may include operational plans for side stream treatment or storage and how they are managed in concert with overall facility operations; and
- F. An analysis of additional facility staffing or operational needs, created by the transported wastes received and, where necessary, a description of how those needs will be met.

VII. Other considerations and records.

- A. Does the facility propose to add transported wastes to the treatment or solids handling processes at times when the daily influent flow is above the design? ☐ ☒ NO  
If yes, please attach a copy of the facility's current high flow management plan that specifically describes how transported wastes will be managed such that transported wastes will be introduced into the treatment process or solids handling system only when all treatment units have sufficient capacity and are functioning properly, there are no diversions of flow within the facility and there are no effluent quality violations. The high flow management plan will, as necessary, specify limitations on the amount of transported waste to be added or the means or rates of addition.

- B. Please describe any anticipated impacts on sludge quality, quantity or disposal practices.

Currently, the district has contracted (5 years) with Casella to treat the biosolids via compost (Hawk Ridge) or landfill (Juniper Ridge). The District has not sampled septage for PFAS. The district does not anticipate any issues

- C. Please describe the record keeping systems that will be used to track transported wastes received and treated, including any adverse impacts or citizen complaints.

See Attachment L

- D. Please describe what formal agreements that will be used with waste haulers, such as license, contracts or written authorizations and the means for enforcing them.

See Attachment L

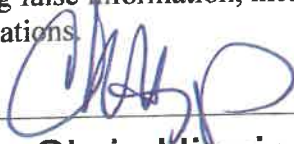


VIII. Certification.

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

By:

Signature:



Date: July 27, 2020

Printed Name:

Chris Higgins

Title:

Superintendent

After completing the application, submit 2 copies to:

Maine Department of Environmental  
Protection Bureau of Water Quality  
Division of Water Quality Management  
State House Station 17  
Augusta, Maine 04333-0017



## **ATTACHMENT A**

### **Description of Emergency Discharge Points (EDP's)**

There are six known EDP's in the Boothbay Harbor Sewer District sewer system. The EDP locations are also shown on Attachment I.

#### **EDP #002**

EDP #002 is located just west of the wet well of Pump Station #1 (Head of the Harbor) on Union Street between Pear Street and Gilead Streets. The EDP consists of an 8-inch pipe cut into the wet well at an elevation 2.5 feet above the high water SCADA alarm point, extending south across Union Street and into the waters of Boothbay Harbor. The EDP was constructed during the time of installation of the wet well, 1963.

#### **EDP #003**

EDP #003 is located approximately 300 feet northwest of Pump Station #3 (Mill Cove) on the south side of Western Avenue (State Route 27) where Mill Creek enters Boothbay Harbor. The 8-inch EDP pipe is visible above the creek, and is connected to a manhole located just to the west of the creek off the roadway. A high water alarm point is programmed into SCADA. According to District record drawings of the system, the manhole was existing at the time of construction of the pump station and surrounding sewers. The EDP may have been the original discharge point prior to construction of the pump station and treatment plant.

#### **EDP #004**

EDP #004 is located in the wet well of Pump Station #2 on Atlantic Avenue across from Atlantic Edge Lobster. The EDP consists of a six-inch pipe going from the pump station wet well and travels west across Atlantic Avenue and terminates under the Harbor Master office building. The invert of the EDP is 5 feet above the high water alarm SCADA set point. The end of the EDP pipe has a tide-check valve installed to prevent intrusion.

#### **EDP #005**

EDP #005 is located in the first manhole to the north of Pump Station #5 (The Meadow) on Townsend Avenue (State Route 27). The 8-inch EDP pipe is about 5 feet above the manhole invert, and discharges to Mill Creek on the western side of the bridge over the creek. The EDP is protected with a tide-check valve and has a high water alarm programmed into SCADA.

**EDP #006**

EDP #006 is located in a manhole (MH 2-53) just off the end of Giles Place on a 10-inch gravity interceptor line. The EDP manhole is between the terminus of the force main from Pump Station #3 and the 14-inch pressurized treatment plant influent sewer line located on Sea Street. It appears that the EDP was constructed to protect surrounding homes from damage during those times when heavy rains occur. A high water alarm float switch is installed and connected to SCADA. The alarm is set for 3 inches below the invert of the EDP pipe.

**EDP #007**

EDP #007 is located in the wet well of Pump Station #18 located on McKown Point Road at the Department of Marine Resources. The 8-inch EDP pipe is 6 feet above the high water alarm point for the pump station. The EDP was constructed by the State of Maine as part of the Department of Marine Resources new aquarium and laboratory facilities. The District acquired the pump station and gravity sewers as a result of negotiations with DMR and the Juniper Point Effluent Control Corporation (JPECC). This EDP is protected by a tide-check valve and a High Water alarm is programmed into SCADA.

All six of the EDP points were apparently constructed to protect the areas around the pump stations and treatment plant from damage in the event of an extended power failure, pump station failure, or excessively high flows. The Boothbay Harbor Sewer District sewer system is a separate sanitary sewer system, although excessive inflow is known to enter the system and result in high flows.

## **ATTACHMENT B**

# **Boothbay Harbor Sewer District Operations Description**

The Boothbay Harbor Sewer District provides secondary treatment to wastewater generated in Boothbay Harbor, Boothbay, Squirrel Island, and Capital Island. The District also receives wastewater and process wastewater from the Boothbay Region Water District Water Filtration Plant.

Wastewater enters the District's treatment plant located on Sea Street in Boothbay Harbor. The District utilizes preliminary treatment, secondary treatment, disinfection, and dechlorination prior to discharge into Boothbay Harbor.

As wastewater enters the plant, the flow goes through preliminary treatment. This process consists of the removal of screenings through a mechanical bar rack. Grit is then removed through a grit chamber, washed, and grit is then removed through a screw conveyor, and is stored for removal with dewatered biosolids to the Hawk Ridge Compost Facility or Juniper Ridge Landfill for processing. After this process, the wastewater then enters the wetwell for storage.

The wastewater now enters secondary treatment. The District utilizes sequencing batch reactors (SBR's) for treatment. This process combines primary and secondary treatment into a single process. As wastewater enters the SBR's, the SBR fills according to the operational phase it is in. Once the fill cycle ends, flow enters the other SBR and starts the treatment cycle again.

After the wastewater has been treated, the wastewater is allowed to settle. This allows for the separation of activated sludge from the wastewater. After settling, the effluent is discharged to the chlorine contact tank where sodium hypochlorite is added for disinfection. After 30 minutes of contact time, water is then dechlorinated with sodium bisulfite. This reaction is immediate. Any scum or floatable solids are removed, by skimmers, to the aerated sludge holding tank. Wastewater is then discharged to Boothbay Harbor. At the end of the decant cycle, activated sludge is wasted to the aerated sludge holding tank and thickened for later treatment.

Waste sludge that is removed from the process, during secondary treatment, is stored in the aerated sludge holding tank. The sludge is thickened to 1 to 2 percent.

✓

## **ATTACHMENT B**

The sludge is dewatered with an Andritz centrifuge. Sludge cake out of the centrifuge averages 19 to 22 percent solids.

The District utilizes two options for sludge utilization. First option is composting and the second is disposal at the Juniper Ridge Landfill in Old Town. The first option for sludge disposal is composting at the Hawk Ridge Composting Facility located in Unity, Maine. At present, the District contracts biosolids disposal to Casella Organics of Unity, Maine. This option is the method of choice at this time. The second option is for the dewatered solids to go to Juniper Ridge Landfill in Old Town. Casella Operates this landfill. Casella decides where the dewatered solids are disposed of.

26

## ATTACHMENT C

### NOTICE OF THE INTENT TO FILE

#### MAINE WASTEWATER DISCHARGE PERMIT APPLICATION

Please take note that, pursuant to 38 MRSA, Sections 413 and 414-A, the Boothbay Harbor Sewer District, of 27 Sea Street, Boothbay Harbor, Maine 04538, intends to file a wastewater discharge permit renewal application with the Department of Environmental Protection (DEP). The application is for the discharge of 640,000 gallons per day of secondary treated wastewater from the Towns of Boothbay, Boothbay Harbor, Squirrel Island, and Capital Island (both of Southport) to (Boothbay Harbor/ Atlantic Ocean) in Boothbay Harbor, Maine.

The Application will be filed on or about July 27, 2020, and will be available for public inspection at DEP's Augusta office during normal business hours. A copy may also be seen at the municipal office in Boothbay Harbor and at the District's Sea Street office during normal business hours.

A request for a public hearing or request that the Board of Environmental Protection assume jurisdiction over this application must be received by the DEP, in writing, no later than 20 days after the application is found acceptable for processing, or 30 days from the date of this notice, whichever is longer. Requests shall state the nature of the issue(s) to be raised. Unless otherwise provided by law, a hearing is discretionary and may be held if the Commissioner or the Board finds significant public interest or there is conflicting technical information.

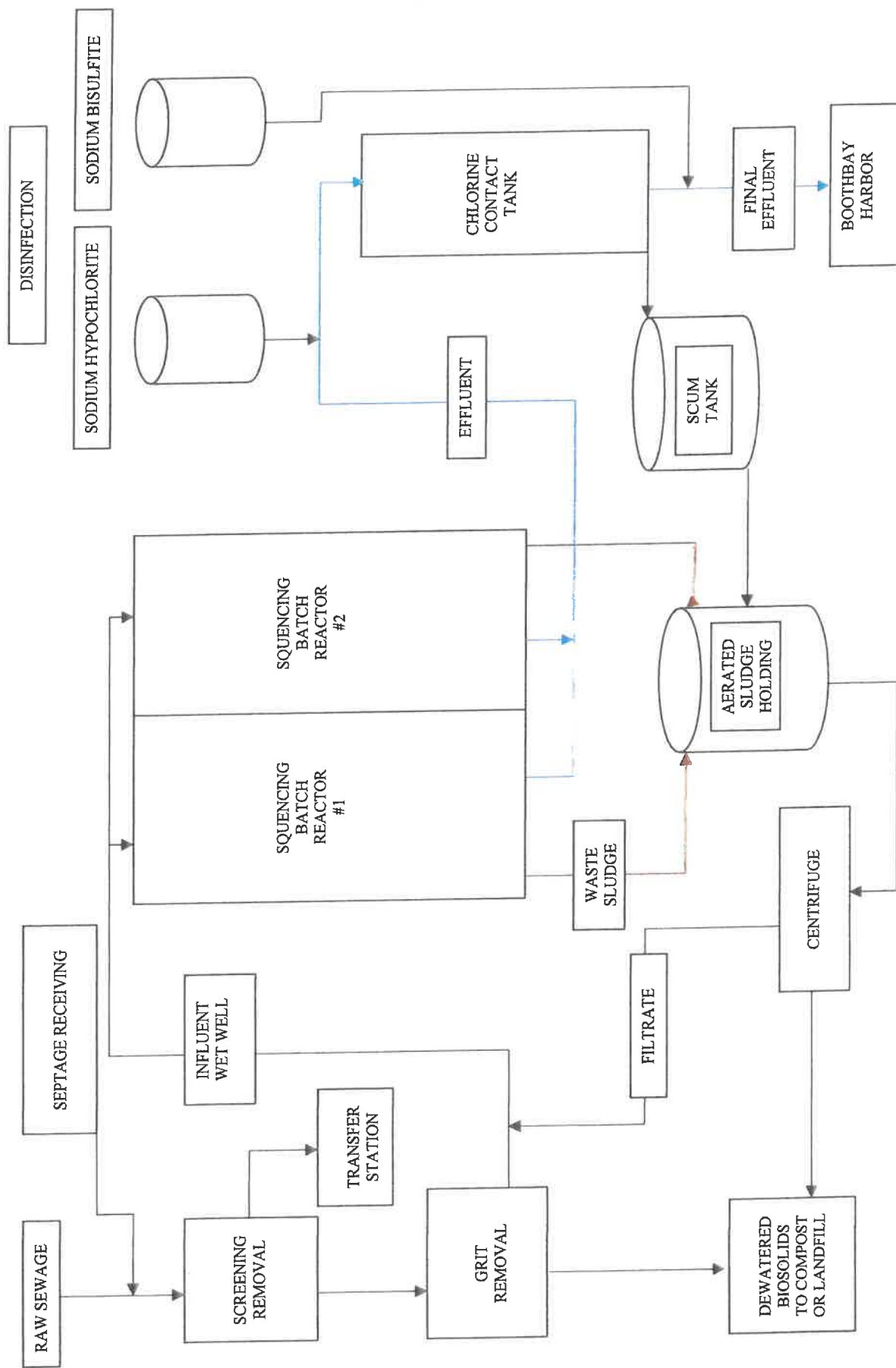
During the time specified above, persons wishing to receive copies of draft permits and supporting documents, when available, may request them from the DEP. Persons receiving a draft permit shall have 30 days in which to submit comments or request a public hearing on the draft.

Public comment will be accepted until a final administrative action is taken to approve, approve with conditions or deny this application. Written public comments or requests for information may be made to the Maine Department of Environmental Protection, Division of Water Quality Management, State House Station #17, Augusta, Maine 04333-0017, Telephone (207) 287-7688





# Attachment D Boothbay Harbor Sewer District Process Control Schematic



# ATTACHMENT E

The following modifications and or upgrades have occurred in the collection system and at the treatment facility since the last permit application:

## Collection System

### 1) Union Street Pump Station Upgrade:

The 1963 vintage pump station (dry pit/wet well) and 8-inch cast iron force main were replaced with a new larger 8-foot diameter submersible pump station and 8-inch HDPE force main. The station capacity was increased from 3 pumps @ 300 gpm (650 gpm total) to 2 pumps @ 450 gpm (900 gpm total). New controls and telemetry were part of the upgrade. In addition, a 10-inch sewer was rerouted directly to the new wet well. This prevented surcharging in the old 8-inch sewer. The old wet well was converted to a grit trap and remained in use. The station went online in 2018.

### 2) Relining of Asbestos Cement Sewer Line:

17,000 feet of asbestos cement sewer interceptor was relined along with all service connections grouted. The sewer lines were located along Atlantic Avenue, Lobster Cove Road, Bay Street, Union Street, Kenny Field Drive, Park Street, Commercial Street, and Sea Street. The project was completed in 2017

### 3) Massachusetts Road Pump Station Upgrade:

This pump station is a small residential station rated at 45 gpm. The station had new pumps, discharge piping, removal rails, electrical, control panels, and telemetry installed. This was done in 2019.

### 4) Juniper Point Pump Station:

This pump station is a small residential station rated at 45 gpm. The station had new pumps, discharge piping, removal rails, electrical, control panels, and telemetry installed. This was done in 2018.

### 5) Emery Lane Pump Station:

This station was installed in 2001. It is a dedicated station for the St. Andrews Village Retirement Facility. The station has been plagued with plugging issues from the facility. The existing Flygt cutter pumps were replaced with Vaughn Chopper pumps. New electrical (single phase to 3 phase), controls, and telemetry were also installed. This was completed in 2020.

6) Route 96 Sewer Replacement:

The District replaced 1,800 feet of old 6-inch, deteriorated, asbestos cement pipe with new 8-inch PVC pipe with an extension of an additional 1,000 feet of 8-inch sewer to the intersection of Eastern Avenue. Additional services and cross laterals were installed at Montgomery Road for future use. The number of manholes installed increased from 3 to 11 for ease of line maintenance. The project was completed in the spring of 2020.

**Wastewater Treatment Facilities**

1) Grit Removal System:

The original Jetta grit pump and Jones and Howard Grit system was replaced with a new Smith and Loveless grit pump/controls and a new Wes-Tech grit washer/classifier/control. The unit was placed online in 2016.

2) New Influent Pumps:

The District replaced the three Wemco influent pumps with new Wemco influent pumps. The old pumps were obsolete, and parts were scarce. In addition, the pump wear rings were not adjustable. The new pumps are adjustable. The project was completed in 2020.

3) New Influent, Decant, and Aeration Actuators and Valves Replaced:

The district replaced the original (1994) plug valves on the aeration, influent, and decant lines with new Milliken plug valves. In addition, the district replaced the Limitorque actuators on each of the valves with new actuators.

4) Aeration Grids/Superstructures Replaced:

Both SBR tanks were taken down and inspected. During the inspection, each aeration grid was serviced (150 tubes replaced) in each SBR. In addition, all of the galvanized steel superstructure was replaced in each SBR. This was a total rebuild of both SBR's. The project was completed in early 2020.

5) Disinfection System Replaced:

The disinfection system was total rebuilt in 2016. New 1,000-gallon storage tanks (2) were installed along with the associated piping. New Masterflex peristaltic pumps and controls were installed. New ATI Total Residual Chlorine Analyzers replaced the old ones along with Moore controllers to flow pace the sodium hypochlorite addition. New Stenner peristaltic pumps were installed on the sodium bisulfite system.

X

6) SBR Controls:

The original (1994) control system was totally replaced and upgraded with new programming controls hardware. The old system was very “buggy” and caused some process upsets. The new upgrade has provided fixes to those bugs and has allowed the district to control the process via dissolved oxygen. This has saved the district electrical costs as well as provided much tighter process control. The project was completed in 2016.

7) New Polymer System Installed:

A new polymer feed system was installed for the sludge feed to the centrifuge. The old PolyBlend system was a maintenance nightmare and resulted in constant overfeeding of polymer. The new system allows for better feed control through flow pacing and the peristaltic pump. The new system went online in the fall of 2018.

8) New Odor Scrubber Installed on Centrifuge:

The district installed a custom odor scrubber on the centrifuge vent line and discharge chute. The unit was fabricated by MI Air in Georgia. The unit has resolved fugitive odor emissions from the vent line. The system was placed online in early 2020.

9) New Plant Lighting Installed:

The district replaced all of the plant and office lighting with new LED fixtures. The lighting was partially paid for through an Efficiency Maine grant. The upgrade was done in 2018.



H.P. EL. 1.50

16'-0"

4-1

H.P. EL. 1.50

2' X 2' X 6' SUMP

3

1

L.P. EL. 0.50

(5) D-12 S.S. DIFFUSERS PER HEADER  
SEE DETAIL CB-5A  
SHEET-3

1'-2" HEADER

EL. 0.75

H.P. EL. 1.50

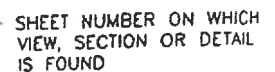
4'-6"

4 SP @ 2'-3" = 9'-0"

2'-6"

H.P. EL. 1.50

6'-0"

VIEW, SECTION OR  
DETAIL NUMBER

BOOTHBAY HARBOR  
WASTEWATER TREATMENT PLANT  
BOOTHBAY, MAINE

THIS DRAWING IS THE PROPERTY OF WATER POLLUTION CONTROL BOARD AND IS  
CONFIDENTIAL. IT IS NOT TO BE DISCLOSED, COPIED OR REPRODUCED WITHOUT  
THE WATER POLLUTION CONTROL BOARD.

SLUDGE HOLDING TANK  
SEPTAGE RECEIVING TANK  
PLAN VIEWS

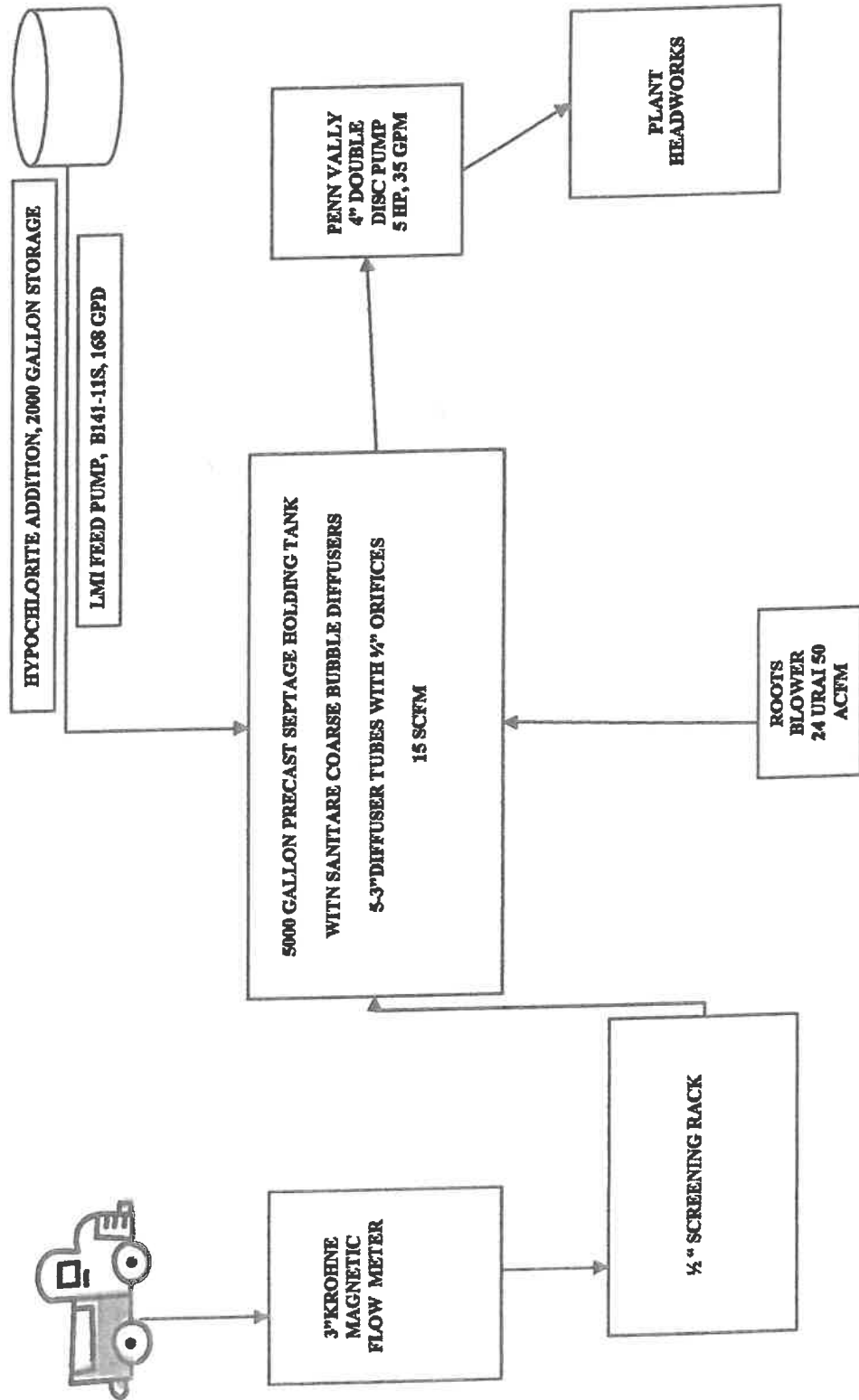


**SANITAIRE**  
WATER POLLUTION CONTROL CORP.

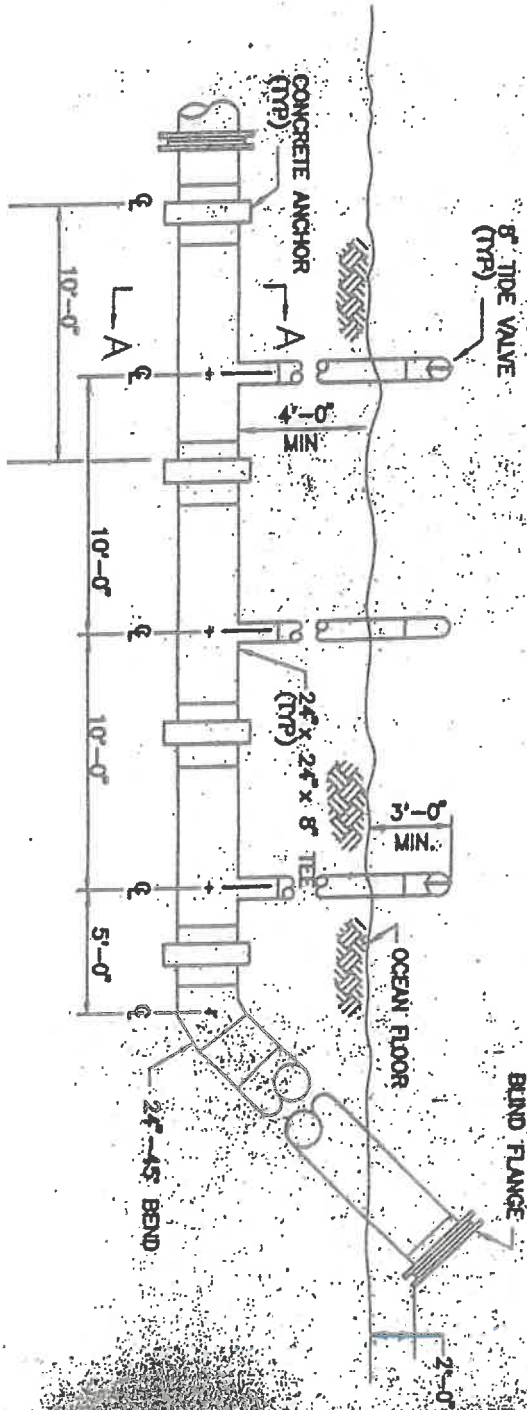
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DOWN BY SA	DATE 4-22-94	SSFH	ME F-1

CV#	NO.	ISS#				DATE BY	DATE	DATE 4-22-94	SSFH	E-1
REQ	NO.	NO.	DATE	REVISION	BY	APPRO BY	DATE			

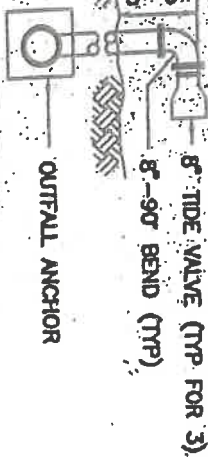
# BOOTHBAY HARBOR SEWER DISTRICT SEPTAGE PROCESSING FLOW DIAGRAM





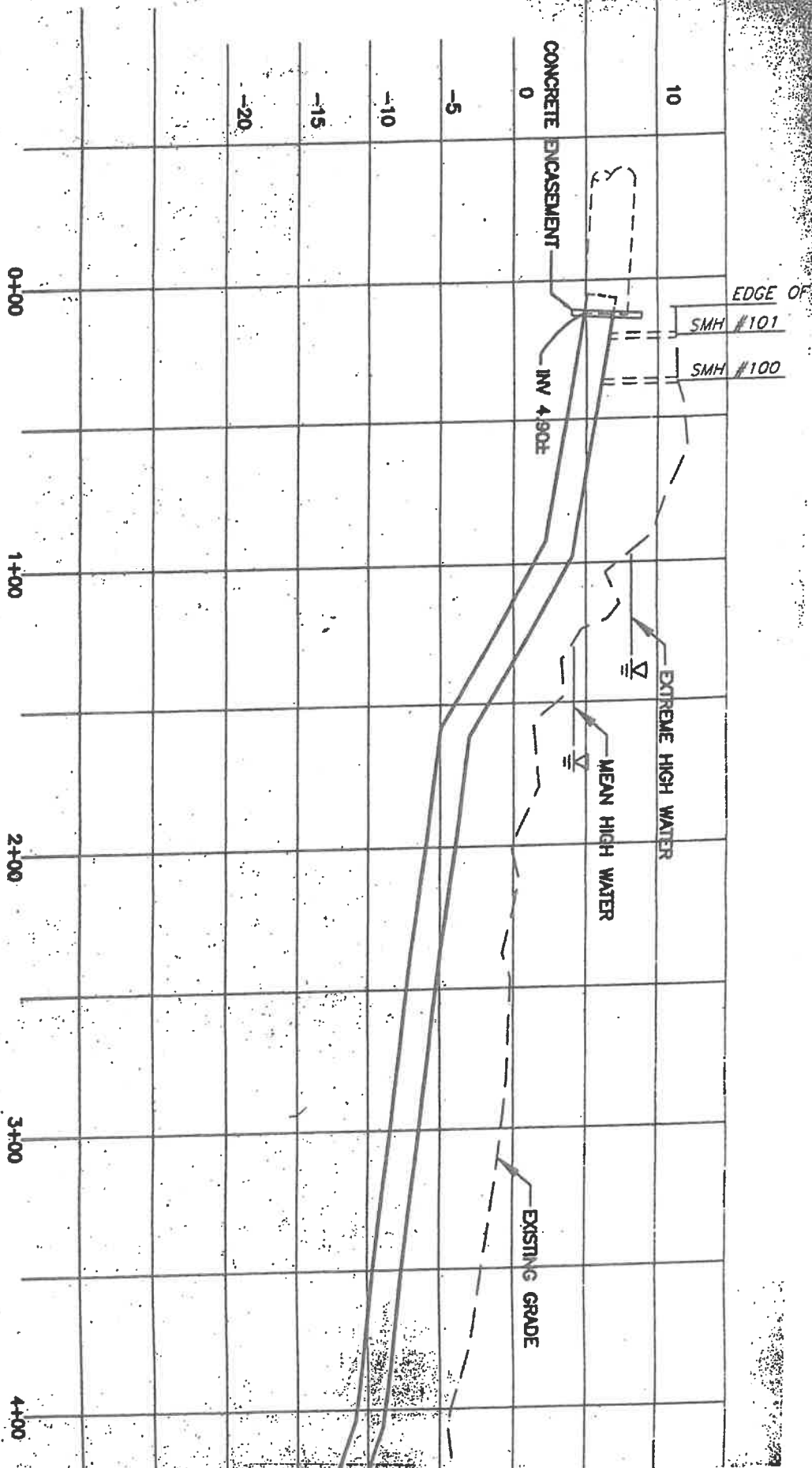


OUTFALL DIFFUSOR DETAIL  
N.T.S.

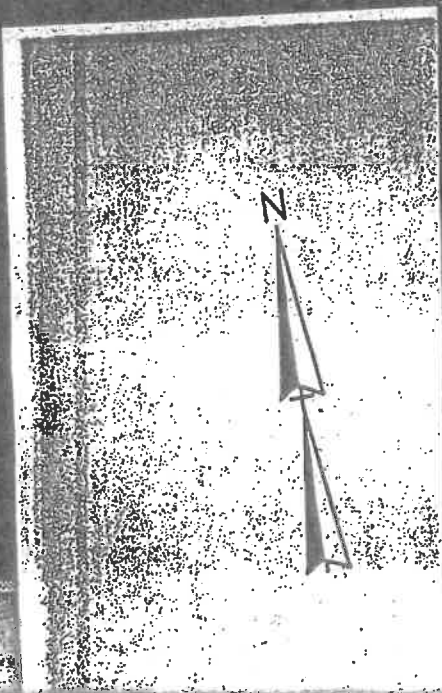
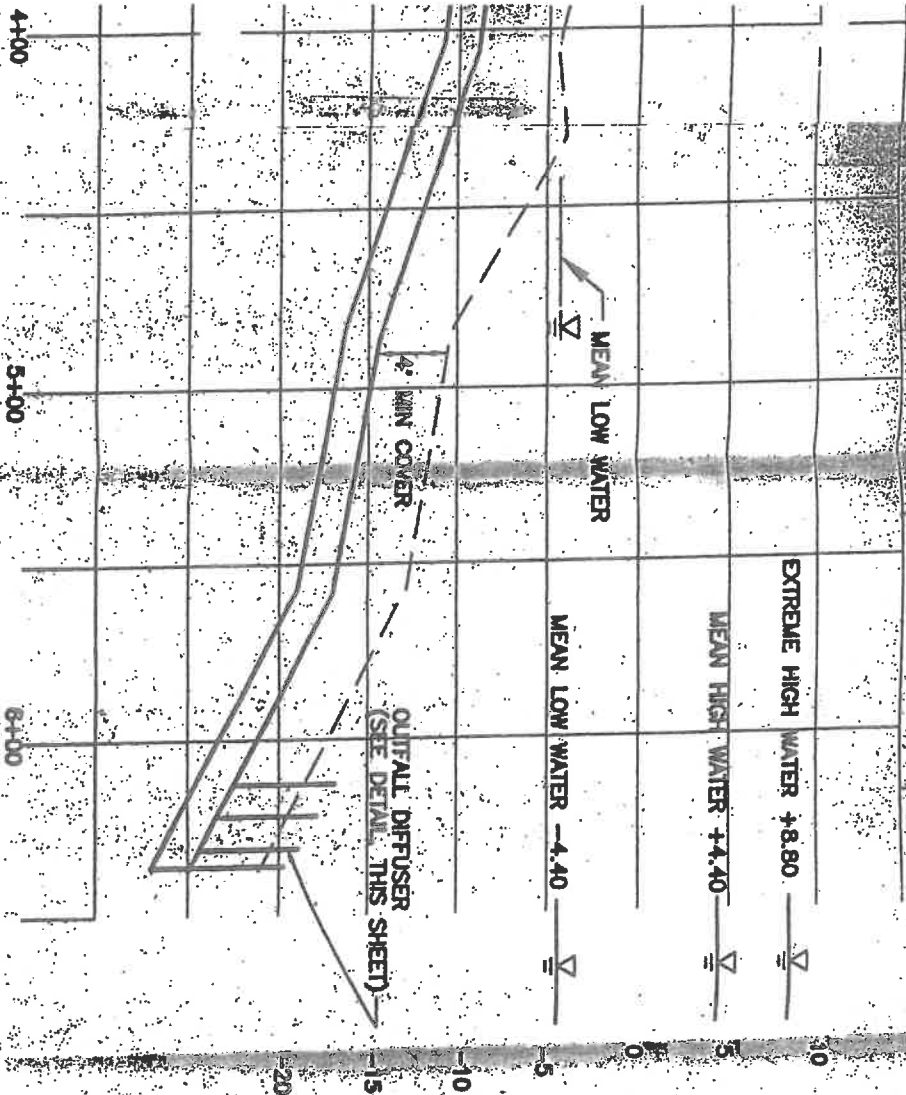


SECTION A-A  
N.T.S.

00-00-00

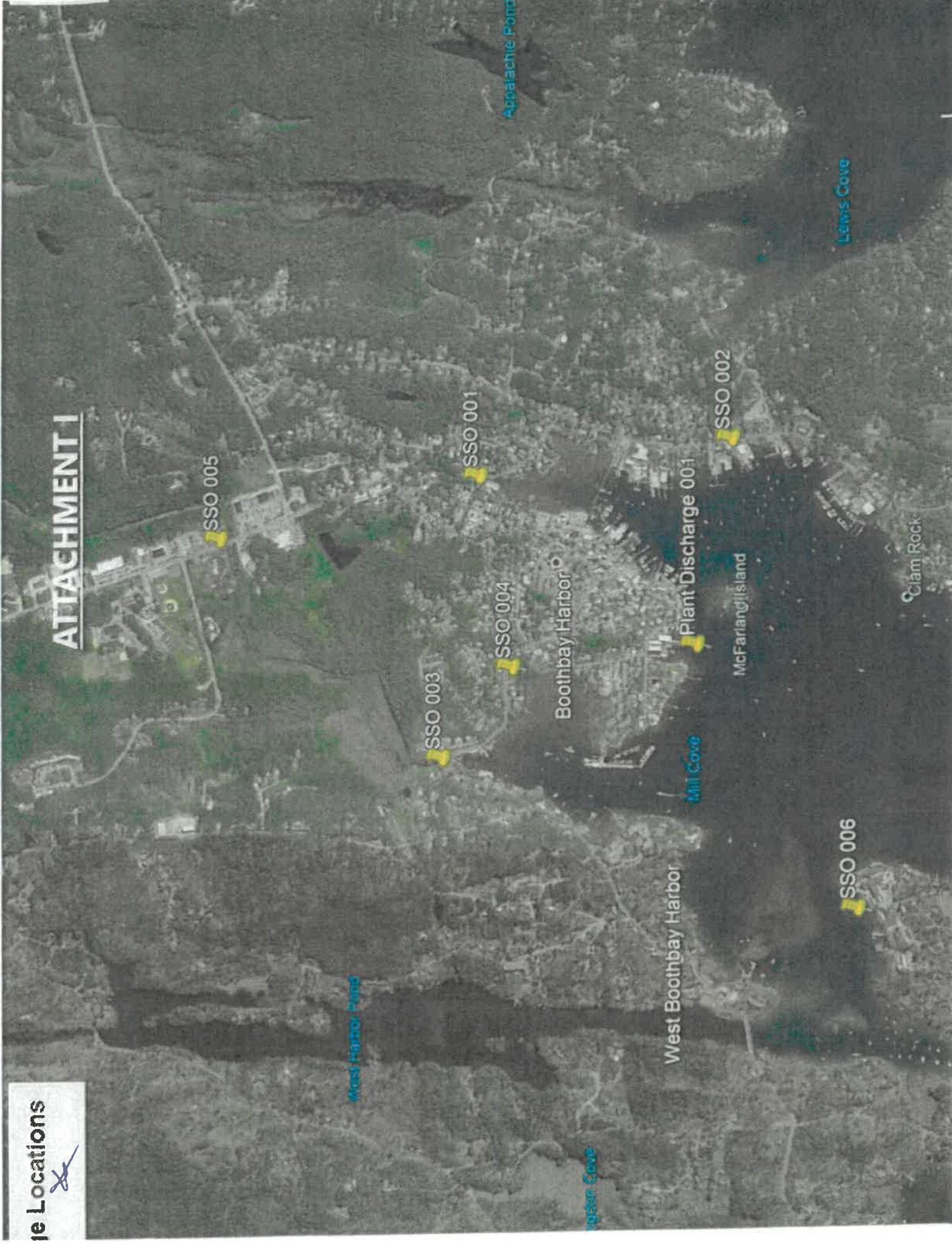


INSERT NEW 25" PIPE INTO EXISTING 36" PIPE





# ATTACHMENT I



**ATTACHMENT J  
LIST OF ABUTTORS**

John Maxwell, Trustee  
4451 Gulf Shore Blvd. North  
Apt. #1503  
Naples, FL 34103-2643  
Certified Mail: 7017 1450 0001 6734 1050

Michelle Prince  
12 Roos Hill Drive  
Freeport, ME 04032-6708  
Certified Mail: 7017 1450 0001 6734 0503

Mainelen, LLC  
c/o Andrew Tyska  
99 Poppasquash Road, Unit 1  
Bristol, RI 02809-1018  
Certified Mail: 7017 1450 0001 6734 1654

Shane Riley  
4987 River Point Road  
Jacksonville, FL 32207-2119  
Certified Mail: 7017 1450 0001 6734 1357

Harbor Island Owners Association  
c/o Richard Gosselin  
27548 Riverbank Drive  
Bonita Springs, FL 34134-2644  
Certified Mail: 7017 1450 0001 6734 0206

Josephine C. Anderson, Trustee  
924 Venezia Avenue  
Venice, CA 90291-3930  
Certified Mail: 7017 1450 0001 6734 1555

Maine Event Properties  
c/o Mark C. Bundy  
1080 Laskin Road, Suite 204  
Virginia Beach, VA 23451-6363  
Certified Mail: 7017 1450 0001 6734 1258

Julia Latter, Town Manager  
Town of Boothbay Harbor  
11 Howard Street  
Boothbay Harbor, Me. 04538  
Certified Mail: 7017 1450 0001 6734 0800



## ATTACHMENT K

The Boothbay Harbor Sewer District collection system is 57 years old and newer. However, there are private service mains that are older and connect to the District's sewer system. Most of the older service mains were intercepted when the sewer system was constructed in 1963. Because the older services were constructed before the days of current sewer rules and regulations, some foundation drains and area drains may be connected. During significant or extend rain events, (>1.5") inflow of clean water can be an issue. During this period and periods of high groundwater, I & I can lead to diluted influent wastewater and may cause an issue with percent removal calculations.

The District recently relined and grouted all the services connections on Atlantic Avenue, Bay Street, Commercial Street, Commercial Street Extension, Kenny Field Drive, Lobster Cove Road, Park Street, Sea Street, and Union Street.

The District is in the process of identifying other areas of I & I through smoke testing, and video inspection investigations. The District is still working on sump pump removal on private property.

## ATTACHMENT L

The District currently accepts domestic septage only. No industrial waste is accepted. Grease trap waste is not accepted. Preference is given to residents of the District (Boothbay and Boothbay Harbor). Septage is brought to the District via private haulers. Prior to dumping, the hauler informs the operator, identifies the source and type of waste that is being hauled. The District operator records the initial magnetic flow meter totalizer reading and unlocks the fill valve. During dumping the operator will sample the septage for COD, pH, and TSS on an as needed basis. After dumping, the operator obtains the final totalizer meter reading, fills out the manifest with the delivered amount, date and time of delivery, and the facility information. The operator signs the manifest and retains a copy. The operator logs the information onto the septage addition/receiving log and the DEP 49 Form.

The District offers a 5,000-gallon aerated holding tank for use. The tank is screened with a 1-inch manual bar rack. The rack is cleaned after each dump. All screenings are collected, treated with hydrated lime, and disposed of in doubled plastic bags and disposed of at the Boothbay Region Refuse District transfer station.

The District holds septage in the holding tank and allows the septage to aerate. Sodium Hypochlorite is added to eliminate odors and kill filamentous bacteria prior to addition. After this process, the septage is metered into the influent wastewater via the plant headworks. The operator sets a timer that controls the septage pump. Septage is introduced into the plant at night during low flow periods at a rate of 400 gallons per 2-hour period until the tank is empty.

**Below is Section 14 of the District's Rules and Regulations regarding septage disposal.**

### SECTION 14 - SEPTAGE DISPOSAL

No person shall discharge hauled septage at the District's wastewater POTW who does not hold a septage hauler permit issued pursuant to MEDEP Rules 06-096, Chapter 411 Non-hazardous Waste Transporter Licenses, as amended.

A copy of such permit shall be filed by the permit holder with the District. Upon renewal or revocation of such permit, the hauler shall be responsible for notification of such renewal or revocation to the District. Any permit issued in accordance with these Regulations will be subject to revocation by the District on the basis of failure to pay proper charges, use of other authorized disposal sites, failure to meet sanitary standards, discharging or industrial sludge or other unacceptable waste into the system or for any other infraction of these Regulations.

#### 14.1 Septage Hauler Requirements

A. A permitted hauler may discharge septage to the facilities provided at the District's wastewater treatment facility only after paying the charges as set forth in Section 14.4 of these Rules and Regulations.

B. Those persons, firms, corporations, municipal subdivision, or institutions that conform to state definition of "RVs" shall dispose of such septage as human excrement or other putrescible materials at the dates, times, and locations designated by the Superintendent.

C. No person, firm, corporation, municipal subdivision, or institution shall discharge any toxic, poisonous, radioactive solids, liquids or gases, or the contents of grease, gas, oil and/or sand interceptors into the District's wastewater treatment facility.

#### 14.2 Temporary Septage Permits

The Trustees may issue a temporary permit to allow the discharge of septage at a point of discharge other than the wastewater treatment facility in a situation where such temporary discharge point is necessary to protect the health and welfare. The Trustees shall issue such permit upon such terms and conditions as the Trustees deem to be in the best interests of the District. The temporary permit shall not be valid for a period exceeding twelve (12) months. The District shall have the right to revoke or suspend the temporary permit in the event that the terms and conditions are not met.

#### 14.3 Septage Permits

A. Any septage hauler who intends to dispose of septage at the District shall first obtain a permit from the District.



B. Such permit as issued by the District shall identify:

1. The motor vehicle.
2. The capacity of the tank.
3. The ME DEP Registration Number/US DOT Number
4. The MEDEP Permit Number; and
5. Any other details of compliance with MEDEP rules.

C. The following conditions shall constitute conditions precedent to the issuance of each permit by the District:

1. Each septic tank truck shall be equipped with either a sight level by which the quantity of the contents of each tank may be ascertained by sight or an access port through which the quantity of the contents of each truck may be ascertained by depth measurements. Every tank truck whose contents shall be discharged into the treatment system shall be equipped with a discharge system that will insure the clean and complete discharge of such contents into the designated area provided by the District.
2. Because the septage handling capacity of the plant is limited, all haulers must schedule discharges at least one day, but no more than three days, in advance. Deliveries can be scheduled by calling the wastewater plant. Failure to schedule in advance may cause refusal to discharge.
3. Prior to discharging the load, the hauler shall report to the operator and the operator will record the following information in a log at the POTW:
  - a. The hauler's name.
  - b. Date.
  - c. Time of disposal.
  - d. Volume disposed.
  - e. Origin of load (property owner's name, address, and telephone number); and
  - f. Nature of the waste being disposed.
  - g. The Driver will sign the manifest record certifying the information is correct and the waste contains no suspected toxic materials.

4. Such log as described in Section 14.3(C) (2) shall be located in the treatment plant office and shall be accessible to the Superintendent.
5. Owners of "RVs" who intend to discharge the contents of holding tanks are exempt from the permitting process.
6. The District maintains the right to sample the contents or measure the amount of any load prior to discharge to the plant; also, the District reserves the right to confirm by telephone the source of the load. If there is a question as to whether a load is septage or holding tank waste, the following test will determine the results. A sample will be taken and allowed to settle for one-half hour. If the sample contains 200ml or more of solids per liter of sample, the load will be considered to be septage.

#### 14.4 Septage Disposal Charge

There shall be a Septage Disposal Charge as established by the Trustees and amended from time to time for the receipt of septage into the District's POTW for treatment. All septage shall pass through a 3-inch magnetic flow meter and the totalized gallonage billed at the current disposal rate.