

# MAINE STATE LEGISLATURE

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# **STATUS OF LICENSED DISCHARGES AND COMBINED SEWER OVERFLOW ABATEMENT PROGRAM**

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

**APRIL, 2009**

**CONTACT: BRIAN KAVANAH, (207) 287-7700**

## **INTRODUCTION**

38 M.R.S.A. § 464(3)(C) requires that, “The commissioner shall report annually to each regular session of the Legislature on the status of licensed discharges.”

Included in this report is summary information on licensed discharges regarding their type, licensing, compliance, environmental performance and enforcement status; and the construction, combined sewer overflow (CSO) and financial needs of publicly owned treatment works (POTWs).

Licensed discharges include sources such as POTWs and commercial and industrial dischargers (Non-POTWs). For the purposes of this report, these discharges are referred to as point source dischargers.

Licensed discharges also include sources such as small commercial and residential overboard discharges (OBDs). OBDs are summarized separately in this report.

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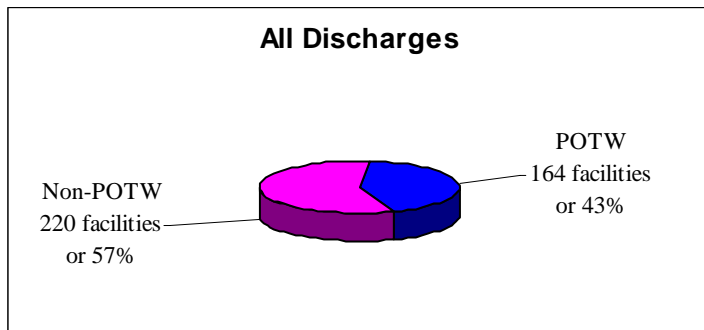
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## SUMMARY OF POINT SOURCE DISCHARGES BY TYPE

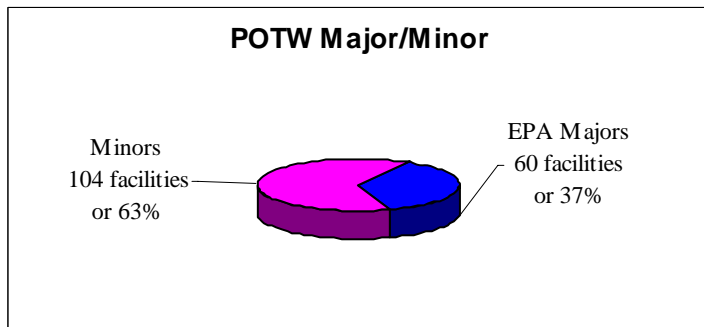
As of December 31, 2008, there were 384 licensed point source discharges in the state of Maine. Of these 384, three are aquaculture facilities covered under a single general permit.

The following charts provide information on a variety of aspects for these discharges.

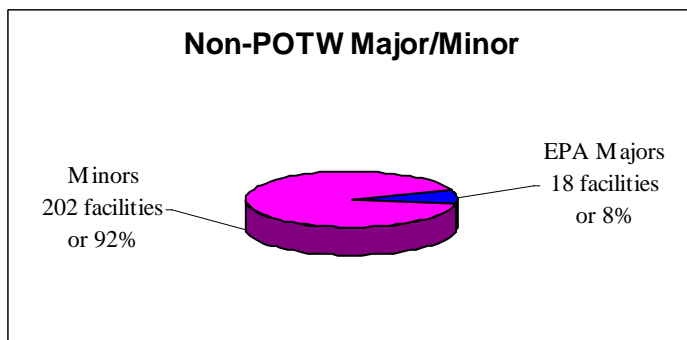
In addition, Appendices A, B and C list all of the discharges by category and location and provide other select information about the discharges.



Discharges are categorized as Publicly Owned Treatment Works (POTWs) or Non POTWs. POTWs are municipal or quasimunicipal wastewater treatment facilities that treat residential, commercial and industrial wastewater. Non POTWs comprise a variety of municipal, commercial, or industrial dischargers as indicated on page 2.

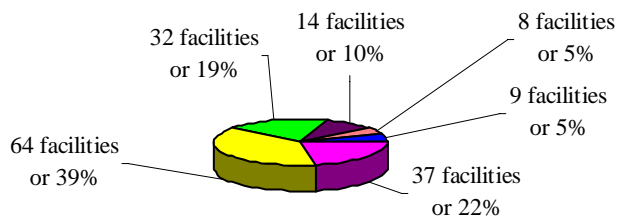


Discharges are further categorized as Major or Minor. Major POTW dischargers are those facilities with design flows greater than one million gallons per day and facilities with approved industrial pretreatment programs. Major Non POTW dischargers are determined by rating criteria developed by the Environmental Protection Agency. Minor dischargers are those not classified as Major.



## SUMMARY OF POINT SOURCE DISCHARGES BY TYPE

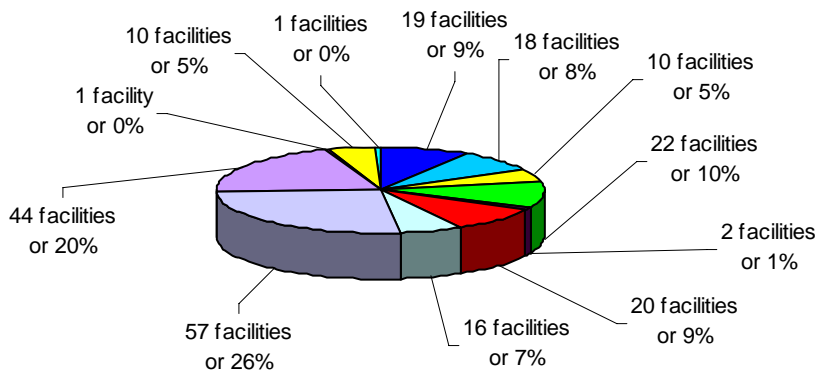
### POTW by Description



- Less than 10,000 GPD, with no significant industrial waste
- 10,000 GPD to 100,000 GPD, with no significant industrial waste
- 100,000 GPD to 1 million GPD, with no significant industrial waste
- 1 million GPD to 5 million GPD, with no significant industrial waste
- Over 5 million GPD, or with significant industrial waste
- Combined Sewer Overflow (CSO) only

The size of POTWs varies greatly. The smallest POTW has a licensed flow of 2,000 gallons per day. The largest POTW has a licensed flow of 19.8 million gallons per day.

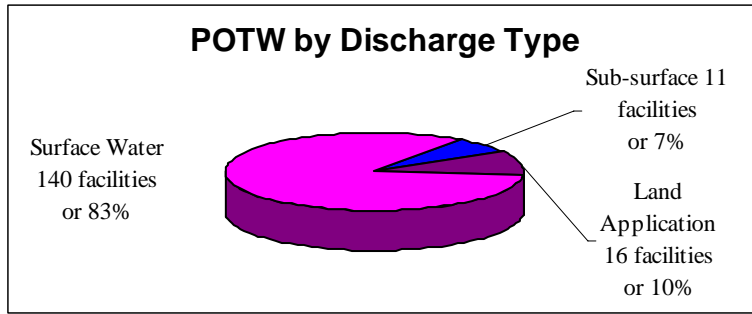
### Non-POTW by Description



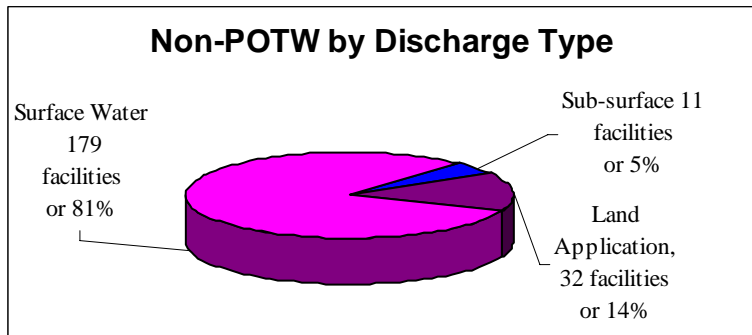
- Sanitary waste water, commercial source
- Major industrial facility, process waste water discharge
- Minor industrial facility, process waste water discharge
- Food handling or packaging waste water
- Fish rearing facility, less than 100,000 GPD
- Fish rearing facility, greater than 100,000 GPD
- Marine aquaculture facility
- Non-contact cooling water
- Industrial/Commercial source, miscellaneous or incidental non-process waste water
- Aquatic pesticide application
- Snow dump
- Experimental discharge license

The type of Non-POTW discharges varies greatly, from the largest paper mill that has a licensed flow of 51 million gallons per day to snow dumps.

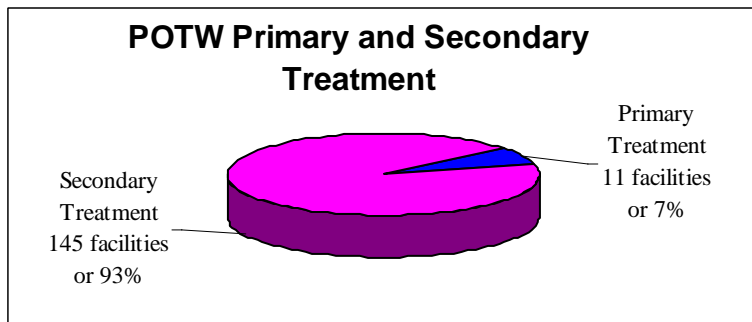
**SUMMARY OF POINT SOURCE DISCHARGES BY TYPE**



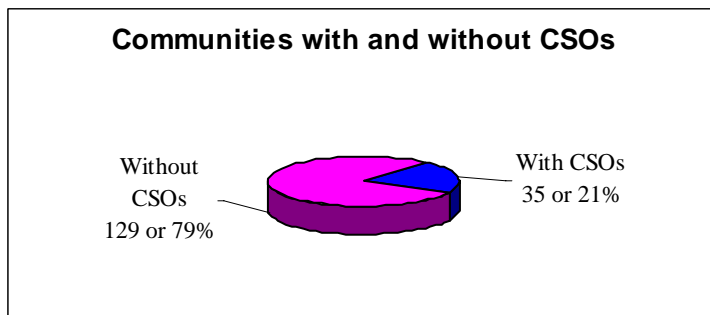
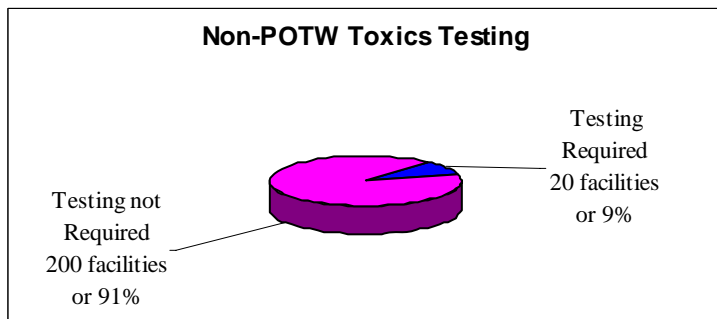
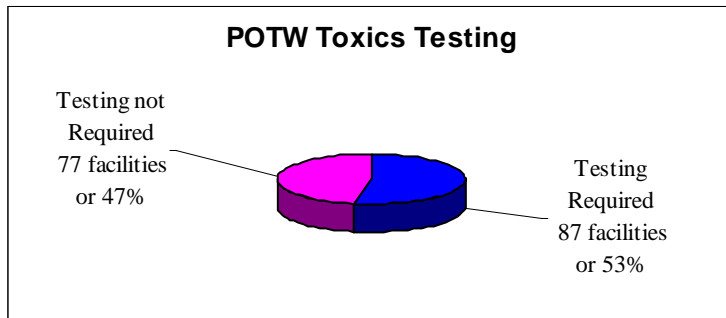
The majority of discharges are to surface waters. However, some facilities discharge via spray irrigation to land, or to subsurface systems. 8 facilities discharge in more than one way.



The majority of POTWs provide secondary treatment of wastewater. Secondary treatment is a combination of physical and biological treatment that, among other criteria, provides a minimum of 85% removal of biochemical oxygen demand (BOD) and total suspended solids (TSS). 11 POTWs that discharge to marine waters were granted a waiver by EPA, as allowed under the Clean Water Act, to provide a reduced level of treatment known as Primary Treatment. Primary treatment is a physical treatment process that provides, among other criteria, a minimum of 30% removal of BOD and TSS. (This chart does not include the eight communities that have Combined Sewer Overflows and a sewer system that discharges to a POTW controlled by another entity.)



## SUMMARY OF POINT SOURCE DISCHARGES BY TYPE



Federal and state law prohibits the discharge of toxic substances in toxic amounts. Department Regulations Chapters 530 and 584 specify water quality criteria for toxic substances and the requirements to control the level of toxic substances in surface waters.

Some communities have Combined Sewer Overflows (CSOs). CSOs occur during storm events when a mixture of wastewater and stormwater runoff overflows a combined sewer collection system (a system that collects sanitary wastewater and stormwater in a single pipe) before receiving treatment at a POTW. Communities that have CSOs are required to license them with the DEP, evaluate their CSO problems, and determine cost effective solutions to abate them. A detailed discussion of CSOs follows in the next section.



## **STATUS OF COMBINED SEWER OVERFLOWS FROM POINT SOURCE DISCHARGES**

This information is compiled from various documents and reports submitted to the Maine Department of Environmental Protection (DEP) by the combined sewer overflow (CSO) communities (City/Town/District) or their consultants on their behalf. A majority of the information comes from the CSO Master Plans (a.k.a. Long Term Control Plans), Sewer System Evaluation Studies, Infiltration/Inflow Reports, Annual CSO Progress Reports, and general correspondence.

At the start of any CSO community's abatement program, initial flow data was collected to estimate the existing discharge volumes and frequencies, define the problems, and establish a corrective course of action. This often occurred over a relatively short period of time (a year or two) and may not have captured as many good wet weather events as desired. However, this data was the best available information at the time and established the overflow baselines that are used within this report. Since then, CSO flow monitoring plans have continued to improve and overall data reliability has increased, giving the program better data for specific yearly wet weather patterns.

### **WHAT ARE CSOS?**

- Combined Sewer Overflows (CSOs) are discharges of untreated wastewater from municipal sewerage systems that carry mixtures of sanitary sewage, storm water, and sometimes industrial wastes.
- They occur mostly during and after rain events or snowmelt. Flows within the combined sewer system during these wet weather events can be as high as 50 times the normal dry weather flows.
- Large volumes of water entering the combined sewer system (CSS) through catch basins, old and leaky pipes, roof drains, cellar drains, sump pumps, and other sources cause the capacity of the system to be exceeded.
- Hydraulic relief points within the CSS allow the excess flows to be discharged. These relief points are generally near pump stations and river crossings.
- Excess volumes of combined sewage can also cause treatment facilities upsets, street flooding, and back-ups into basements.

## **STATUS OF COMBINED SEWER OVERFLOWS FROM POINT SOURCE DISCHARGES**

### **WHAT ARE THE IMPACTS OF CSOs?**

- Currently in Maine there are 35 communities with CSO discharge points in their sewerage systems (down from an original 60 in 1989). These communities collectively have 177 individual CSO discharge points (down from an original 340 in 1989).
- The frequency of discharges varies greatly from community to community, ranging from seldom to occurring in response to all but the smallest rain storms.
- In large communities hundreds of millions of gallons per year of untreated combined sanitary sewage and storm water may be discharged. Statewide, approximately 1.5 to 2.5 billion gallons are discharged annually from CSOs (down from an original 6.2 billion gallons in 1989).
- CSOs discharge untreated combined sewage to receiving waters that vary in size from the ocean and large rivers to small streams and drainage creeks.
- Water quality is impaired by the addition of floatables, bacteria, and sometimes industrial pollutants.
- Shellfishing areas and beaches can be closed and drinking water supplies threatened.

### **WHAT IS A CSO COMMUNITY?**

- CSO communities are permitted dischargers of combined sanitary and storm waters. The DEP issues CSO permittees a wastewater discharge license that requires them to implement the U.S. Environmental Protection Agency's (EPA's) nine minimum control best management practices (BMPs), develop a long term control plan (LTCP) (a.k.a. Master Plan) to eliminate or abate their overflows, and finally to implement the plan and bring them into compliance with EPA's April 8, 1994 CSO Control Policy.
- Special Conditions in their Maine Pollutant Discharge Elimination System (MEPDES) permit requires all CSO permittees to submit an annual CSO progress report to the DEP for the previous year by March 1<sup>st</sup>.
- The progress report documents the CSO community's efforts to comply with the BMPs, and collects pertinent fiscal and logistical information about their CSO abatement program. This information is used to track their CSO abatement progress and gather state-wide information on the CSO program and fiscal needs.

## **STATUS OF COMBINED SEWER OVERFLOWS FROM POINT SOURCE DISCHARGES**

### **WHERE DID WE START?**

- The CSO movement started in 1989 with the clarification of the Clean Water Act (CWA) through the publication of the National CSO Control Strategy by the EPA.
- At that time, the State had about 60 CSO communities that discharged an estimated 6.2 billion gallons of combined wastewater and storm water during wet weather events.
- Statewide it was estimated that overflow events happened approximately 1,600 times a year through approximately 340 different CSO outfalls.
- On April 19, 1994 EPA issued a national policy statement entitled “Combined Sewer Overflow (CSO) Control Policy.” This policy provides guidance to permittees with CSOs, state permit and water quality standards authorities on coordinating the planning, selection, and implementation of CSO controls that meet the requirements of the CWA.
- In February 2000, the DEP Chapter 570 Rules, entitled “Combined Sewer Overflow Abatement,” became effective. This chapter establishes procedures for CSO evaluation, preparation of an abatement plan, and sets forth minimum controls to reduce CSOs while long-range plans are being completed.

### **WHAT IS BEING DONE TO ABATE CSO DISCHARGES?**

- All of Maine’s CSO Communities have completed or are working on comprehensive CSO studies or facilities plans. These plans are often referred to as Master Plans (MPs) or Long Term Control Plans (LTCPs). These documents define the magnitude of the CSO discharges, their impacts on the environment, and evaluate a range of abatement control alternatives.
- Abatement projects have reduced untreated discharges in all of the CSO Communities. A number of communities have eliminated their CSO discharges and are no longer licensed to discharge untreated combined sewage during wet weather.
- Statewide, CSO Communities report that they have invested a total of \$311 million (\$16 million in 2008) in CSO abatement and anticipate the CSO needs for the next five years to be \$149. After that, the expected needs to bring them into compliance with the CSO Control Policy is an additional \$100 to \$150 million.

## STATUS OF COMBINED SEWER OVERFLOWS FROM POINT SOURCE DISCHARGES

### WHERE ARE WE NOW? – 2008 STATUS

- Maine started and ended 2008 with 35 CSO Communities. Effective January 1, 2008, two of the CSO Communities, Augusta and Hallowell, were incorporated into the same district known as the Greater Augusta Utility District. Whereas this did decrease the number of CSO MEPDES permits from 37 to 36, it did not change the number of CSO Communities as they are distinct civil jurisdictions. A complete listing of Maine's CSO Communities, their number of CSO outfalls and the outfall receiving waters is on page 12.
- The volume of combined sewage discharged statewide in 2008 was reported at 2.41 billion gallons. The table in Appendix H, Maine CSO Community Flow Data, contains a historic listing of the yearly overflows from each CSO Community. The 2008 CSO Flow Comparison pie chart on page 15 and the 2008 CSO Flow Comparison by Community bar chart in Appendix J are graphical comparisons of the overflow volumes between the CSO Communities.
- In 2008, the CSO Communities reported 792 overflow events. This total is arrived at by adding the number of days that each CSO Community experienced an overflow event. An overflow event is any day in which one or more CSOs discharge. The table in Appendix I, Maine CSO Community Annual Number of CSO Discharge Events, contains a historic listing of the annual number of CSO discharge events for each CSO Community.
- Thirty (30) of the CSO Communities reported experiencing at least one combined sewer overflow discharge in 2008, while three reported no overflows.
- In 2008, 15 of the communities reported discharging less in 2008 than in 2007, 17 reported discharging more, while three reported no change. The maximum number of days that overflow events were reported from a single community was 87. The average (mean) number of discharge events for all of the communities was 23 and the median was 10. Additional information is given in the table in Appendix I.
- The volume and frequency of CSO discharges varies from one wet weather event to another based on existing groundwater conditions, frozen or thawed ground, snowmelt, rainfall volume, duration, and intensity. To evaluate abatement progress we look for an overall trend in reduction versus trends from year to year. The chart on top of page 13, Combined Sewer Overflow Volume Discharged, illustrates an overall downward trend in the CSO volumes being discharged annually. Since 1989, the volume of combined sewage discharged has decreased by approximately 60 - 70%. This is stated as a range because of the correlation of overflow volumes to variations in annual weather patterns.
- Similarly, the chart on the middle of page 13, Combined Sewer Overflow Annual Number of Discharge Events, shows a downward trend in the number of overflow days per year. Since 1989, the number of overflow days has decreased by approximately 55 - 65%, once again stated as a range.

## STATUS OF COMBINED SEWER OVERFLOWS FROM POINT SOURCE DISCHARGES

- In 2008 Maine CSO Communities reduced the total number of CSO discharge locations by 6, down from 183 to 177. While 10 CSO structures were eliminated in the following communities: Auburn (1), Bangor (4), Biddeford (1), Bucksport (1), Lewiston (1), Sanford (1), and Skowhegan (1), this was partially offset by a relicensing of 3 previously closed CSOs in Mechanic Falls (2) and South Portland (1) and the correction of a clerical error in Saco (1). The reopening and relicensing of the previously closed three CSOs was necessary to protect upstream properties from damage and to quantify overflow volumes. The additional CSO location in Saco was listed as a discharge location on their current wastewater discharge license, but had inadvertently been removed from the list of current CSOs. The chart on the bottom of page 13, Maine – Statewide Number of Combined Sewer Overflow Outfalls, shows a 48% reduction in the number of CSO outfalls since 1989.
- Trying to compare CSO abatement progress from year to year is difficult because of the number of conditions that influence the volume and frequency of overflows, not the least of which is yearly precipitation patterns. To somewhat compensate for the fluctuation in yearly precipitation patterns, the total volume of combined sewage discharged has been unitized by taking into consideration the annual precipitation. The chart on the top of page 14, CSO Annual Volume Discharged Per Inch of Precipitation, illustrates this and shows a continual downward trend in the volume of combined sewage discharged per inch of annual precipitation. Since 1989, overflow volumes have decreased from approximately 149 million gallons per inch of precipitation to 30 - 50 million gallons per inch of precipitation, with 42 million gallons discharged in 2008. Although this type of analysis is rough, it is a clear indicator of the overall CSO abatement progress that is being made.
- The average annual precipitation for all of Maine’s CSO Communities is approximately 45 inches. In 2008, the annual precipitation for the CSO Communities ranged from 50 - 66 inches, exceeding the average precipitation by 5 - 17 inches (10 - 46%). The Yearly CSO Volumes and Precipitation chart on the bottom of page 14 shows a comparison between annual CSO volumes and yearly precipitation. The graph shows that CSO volumes tend to follow the yearly ups and downs in precipitation levels. However, what is interesting to note is the widening gap between the precipitation amount and the volume of combined sewage discharged. This widening gap clearly indicates that the CSO abatement is being accomplished and that overflow volumes are becoming less influenced by precipitation events.
- 2008 was another above average precipitation year (57”), especially when compared to near average year of 2007 (48”). As a result the statewide volume of CSO discharges increased by 57%, from 1.53 to 2.41 billion gallons in 2008.

## STATUS OF COMBINED SEWER OVERFLOWS FROM POINT SOURCE DISCHARGES

- The CSOs from the City of Portland and Portland Water District in Portland comprised approximately 36% of the State's total overflow volume in 2008; see the CSO Flow Comparison Pie Chart on page 15. Given the large impact that Portland's data has on the State's total, it might be prudent to look at the rest of the state without utilizing Portland's data. After removing Portland's overflow data from the state total, the overflow volume for the remaining CSO communities increased by 63% from 2007 to 2008, 0.94 to 1.53 billion gallons respectively.
- In 2008, the top twelve (12) dischargers accounted for approximately 97% of the total volume of combined sewage discharged in the State, see the CSO Flow Comparison Pie Chart on page 15.
- Abatement of CSOs is a costly endeavor. To date Maine CSO Communities have reported expending \$311 million implementing their CSO abatement projects. In the 2008 Annual CSO Progress Reports submitted to the State, these communities reported expending \$16 million on abatement work in 2008. It is estimated that the future needs of these communities to complete their CSO abatement plans totals \$250 - \$300 million, in 2008 dollars.
- CSO abatement progress can not be measured solely by comparing the volumes discharged from one year to the next. The reason is that the volume discharged is influenced by variations in precipitation amount, intensity and timing, the rate of snow melt, frozen or thawed ground, and existing groundwater levels. Even given the same annual precipitation, no two years would result in the same volume of CSO discharges.
- The relationship between the annual precipitation and the annual volume of combined sewage discharged is not linear. As a general rule, as precipitation levels increase, the volume of combined sewage discharged also increases per inch of precipitation. Simply put, once the capacity of the combined sewer system is reached, any additional rainfall or snowmelt overflows the already inundated system.
- Different wet weather conditions and precipitation patterns also affect individual CSO communities differently. This is due mostly to the make up of the sewer system, the number of catch basins connected, the area of impermeable surface, and the specific hydraulic restriction(s) causing the overflows, to name just a few. The overflows in some communities are more susceptible or responsive to intense summer storms, while in other communities it might be high ground water. Direct comparisons between various communities should not be made.
- It is well established that CSOs can and do have impacts on beach and shellfish closures. Stating that a specific CSO event or series of events is responsible for a specific closure is more difficult and will not be attempted in this report. In some areas there are a number of other factors that might enter into a beach or shellfishing area being closed. These are, but not necessarily limited to, urban storm water runoff, malfunctioning septic systems, domestic and non-domestic animal waste, agricultural runoff, and bathers, to name just a few. What is assessed in the Annual Reports is which beach and shellfishing areas may be impacted by the CSOs.

## STATUS OF COMBINED SEWER OVERFLOWS FROM POINT SOURCE DISCHARGES

In 2008, seven (7) CSO Communities listed eleven (11) beach areas that may be impacted by their CSO discharges. They were: Bar Harbor (Town Beach & Hulls Cove); Biddeford (Hills Beach, Biddeford Pool & Camp Ellis); Cape Elizabeth (Casino Beach & Fort Williams Park); Portland (East End Beach); Rockland (Sandy Beach); Skowhegan (Two Rivers Campground); and South Portland (Willard Beach). Of these, two (2) beaches were listed as having an advisory or closure in 2008 (East End & Willard Beach), one (1) of which (East End Beach) was listed as being caused in whole or in part by CSO activity.

In 2008, five (5) CSO Communities listed shellfishing areas that were closed in their area (Bar Harbor, Calais, Machias, Portland & South Portland). Three (3) of these communities (Bar Harbor, Machias and Portland) reported that the closures were caused in whole or in part by CSO activity.

- The chart on page 16 – 2008 CSO Watershed Flows, shows a graphical representation of the CSO volume discharged by watershed. In 2008, Casco Bay received approximately 38% of the statewide CSO volume discharged, followed by Penobscot River at 28%, the Androscoggin River at 20%, the Saco River at 6%, the Kennebec River at 6%, and the St. John River at 1%. Discharges to the St. Croix River, Frenchman Bay, the Machias River, and Penobscot Bay account for the remaining 1% of combined sewer overflow volume.

MAINE – COMBINED SEWER OVERFLOW (CSO) COMMUNITY LIST  
(As of December 31, 2008)



COMMUNITY	CSOs	NUMBER OF CSOs & RECEIVING WATER
1. <b>Auburn SD</b> .....	3	3-ANDROSCOGGIN RV.
2. Bangor.....	7	3-KENDUSKEAG STR., 4-PENOBSCOT RV.
3. <b>Bar Harbor (HULLS COVE)</b> .....	1	1-FRENCHMAN BAY
4. <b>Bar Harbor (MAIN PLANT)</b> .....	3	2-FRENCHMAN BAY, 1-EDDIE BROOK
5. Bath.....	4	4-KENNEBEC RV.
6. Belfast.....	2	2-PASSAGASSAWAKEAG RIVER/BELFAST HARBOR
7. Biddeford.....	10	9-SACO RV., 1-THATCHER BK.
8. Brewer.....	6	5-PENOBSCOT RIVER, 1-SEdgeUNKENDUNK STR.
9. Bucksport.....	1	1-PENOBSCOT RV.
10. Calais.....	5	4-ST. CROIX RV., 1-LANDING BROOK
11. Cape Elizabeth – OTTAWA ROAD PS	1	1-ATLANTIC OCEAN
12. <b>Fairfield</b> .....	2	2-KENNEBEC RV.
13. Gardiner.....	1	1-KENNEBEC RV.
14. Greater Augusta Utility District (GAUD) (INCLUDES HALLOWELL CSO).....	24	4-BOND BK., 1-KENNEDY BK., 18-KENNEBEC RV., 1-WHITNEY BK.
15. <b>Hamden</b> .....	1	1-SOUADABSCOOK STR.
16. Kennebec STD.....	3	3-KENNEBEC RV.
17. <b>Lewiston</b> .....	22	10-ANDROSCOGGIN RV., 1-GULLY BK., 1 -HART BK., 10-JEPSON BK.
18. <b>Lewiston-Auburn WPCA</b> .....	1	1-ANDROSCOGGIN RV.
19. Machias.....	2	2-MACHIAS RV.
20. Madawaska.....	2	2-ST. JOHN RV.
21. Mechanic Falls SD.....	3	3-LITTLE ANDROSCOGGIN RV.
22. <b>Milford</b> .....	1	1-PENOBSCOT RV.
23. Milo WD.....	3	1-PLEASANT RV., 2-SEBEC RV.
24. Old Town.....	3	2-PENOBSCOT RV., 1-STILLWATER RV.
25. Orono.....	1	1-PENOBSCOT RV.
26. Paris UD.....	1	1-LITTLE ANDROSCOGGIN RV.
27. <b>Portland – CITY</b> .....	12	6-BACK COVE, 3-CAPISIC BK., 2-PORTLAND HARBOR., 1-NASON BK. (MARSH)
28. <b>Portland – PWD</b> .....	21	9-BACK COVE, 3-CASCO BAY, 7-FORE RV., 2- PORTLAND HARBOR
29. <b>Randolph</b> .....	1	1-KENNEBEC RV.
30. Rockland.....	2	2-ROCKLAND HARBOR
31. Saco.....	6	1-BEAR BK., 5-SACO RV.
32. Sanford SD.....	1	1-MOUSAM RV.
33. Skowhegan.....	8	8-KENNEBEC RV.
34. South Portland.....	6	1-BARBERRY CK., 1-FORE RV., 1-CALVERY POND., 2-PORTLAND HBR.
35. Westbrook.....	5	5-PRESUMPCOT RV.
36. <b>Winslow</b> .....	1	1-SEBASTICOOK RV.
37. Winterport SD.....	1	1-PENOBSCOT RV.

TOTAL CSOs 177

36 CSO PERMITS, PERMITTING 34 OF 35 CSO TOWNS/CITIES (DEP CURRENTLY WORKING WITH CAPE ELIZABETH ON PLAN DEVELOPMENT FOR PERMIT APPLICATION.)

**TWO OR MORE PERMITS IN ONE CSO TOWN/CITY**

**BOLD** = 9 COMMUNITIES WITH SEWER SYSTEMS ONLY. SEWERS DISCHARGE TO A POTW CONTROLLED BY ANOTHER ENTITY.

SD = SEWER DISTRICT

WPCA = WATER POLLUTION CONTROL AUTHORITY

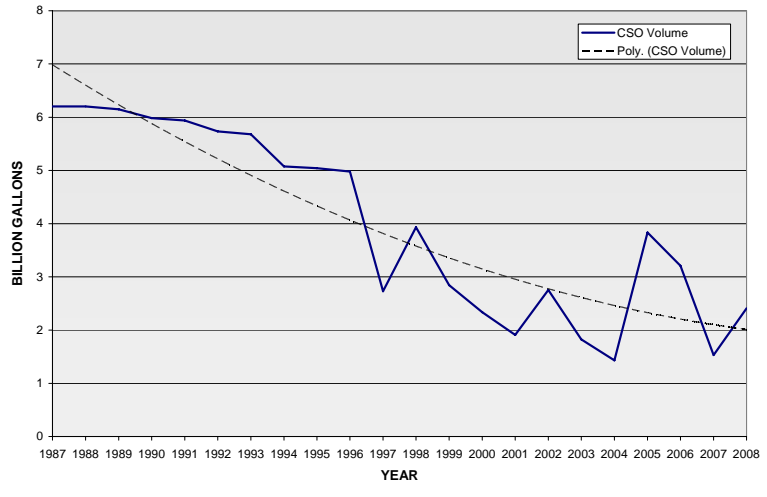
WD = WATER DISTRICT

PWD = PORTLAND WATER DISTRICT

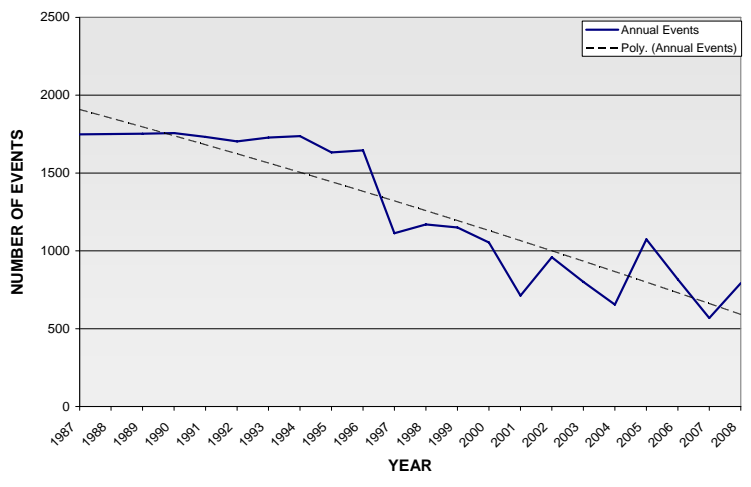
STD = SANITARY TREATMENT DISTRICT



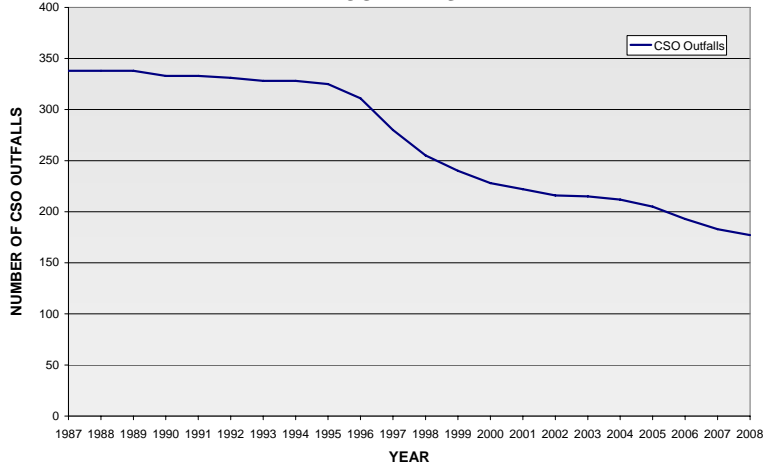
**MAINE - STATEWIDE  
COMBINED SEWER OVERFLOW (CSO)  
VOLUME DISCHARGED**



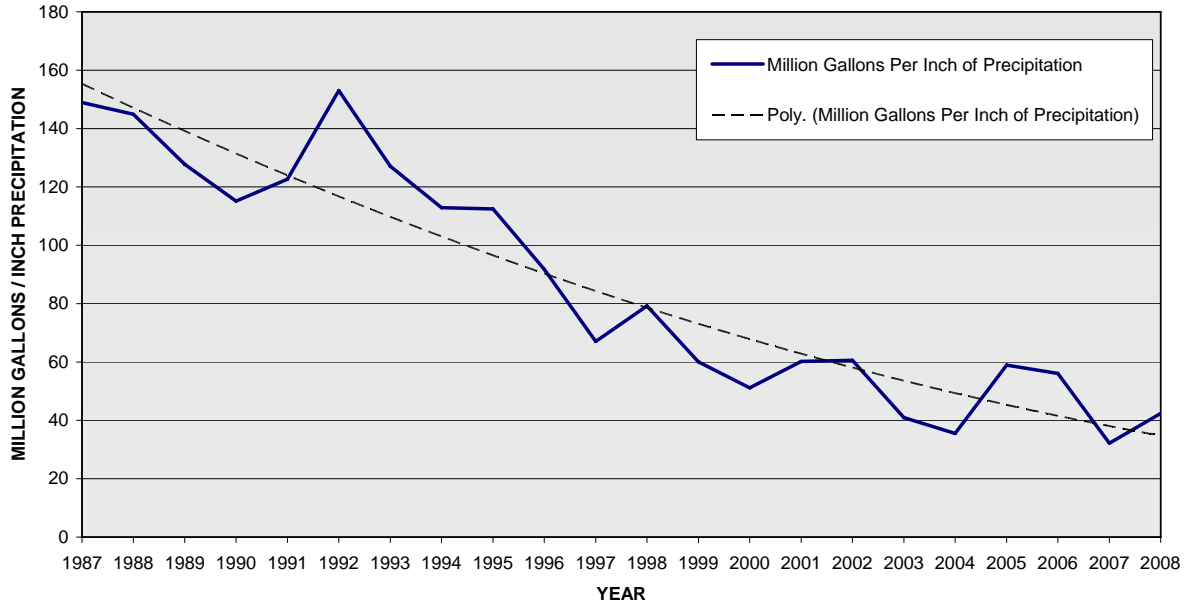
**MAINE - STATEWIDE  
COMBINED SEWER OVERFLOW (CSO)  
ANNUAL NUMBER OF DISCHARGE EVENTS**



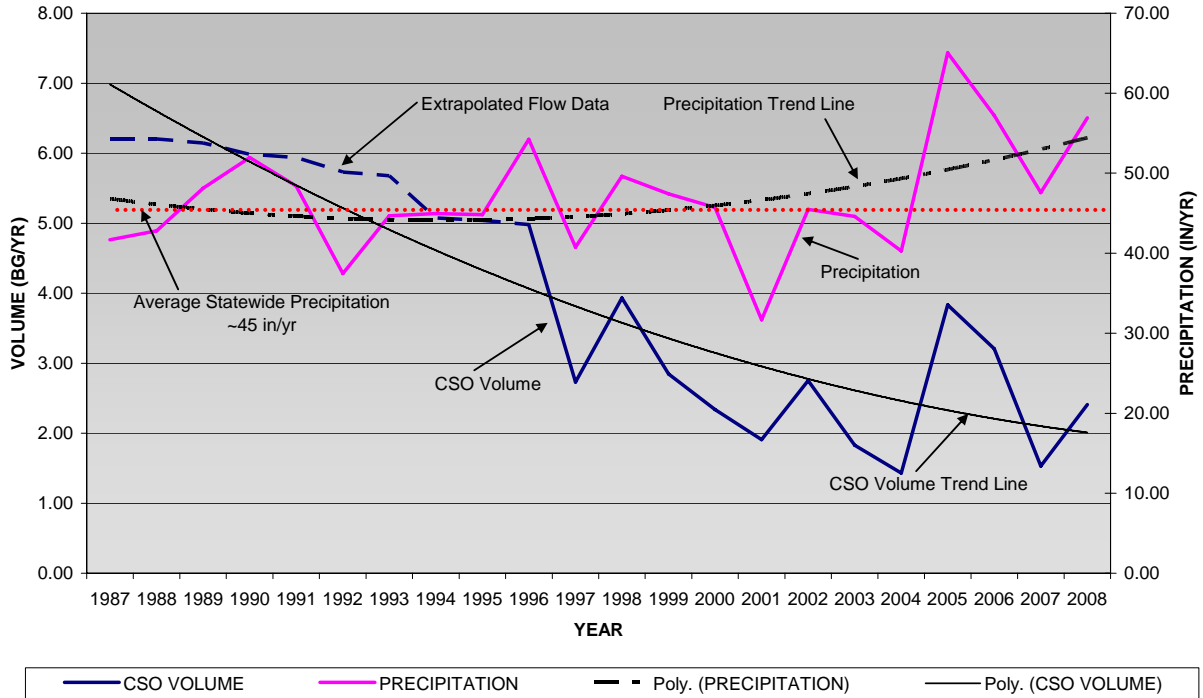
**MAINE - STATEWIDE  
NUMBER OF  
COMBINED SEWER OVERFLOW (CSO)  
OUTFALLS**



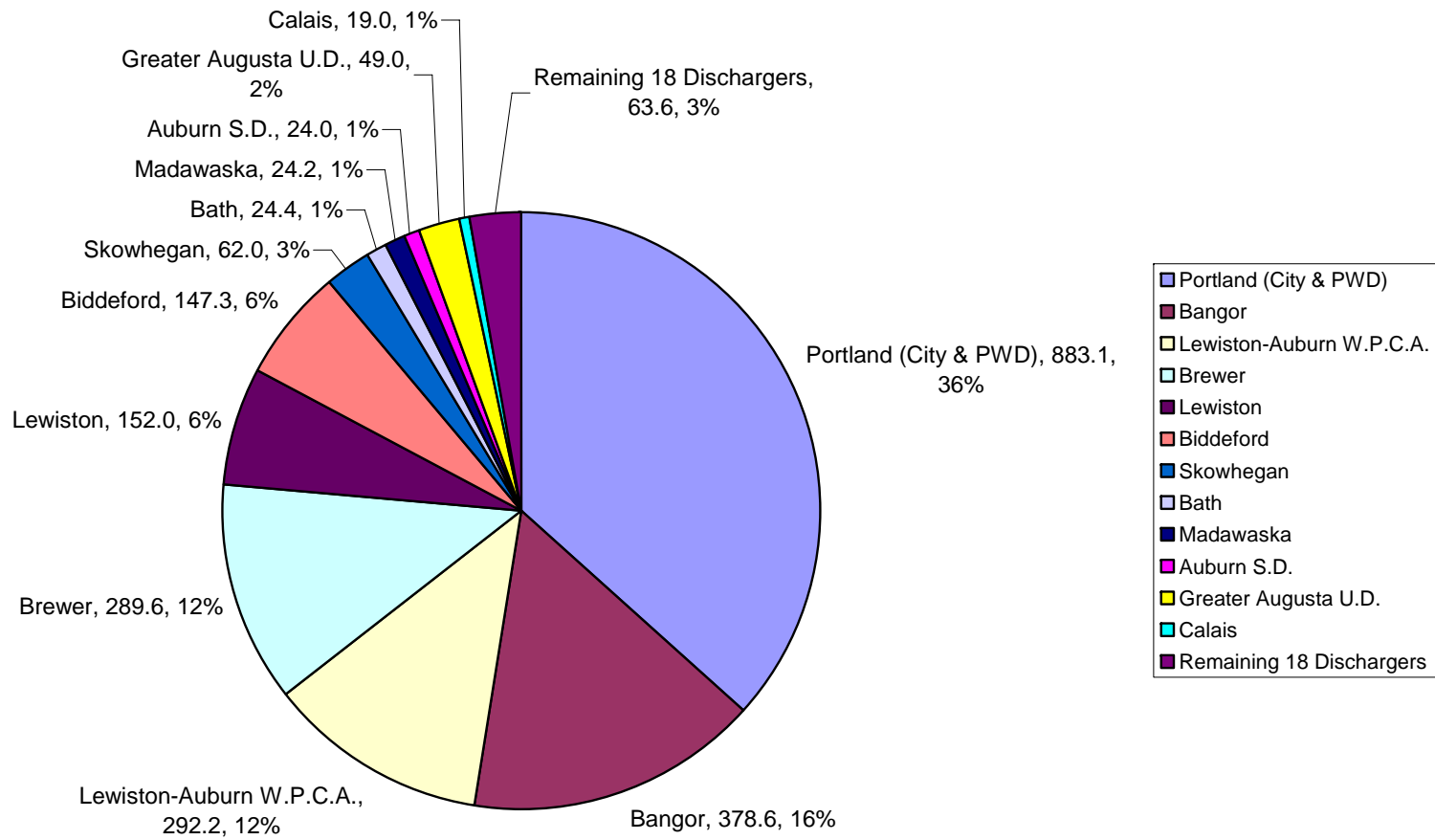
## MAINE COMBINED SEWER OVERFLOWS ANNUAL VOLUME DISCHARGED PER INCH OF PRECIPITATION



## MAINE YEARLY CSO VOLUMES AND PRECIPITATION



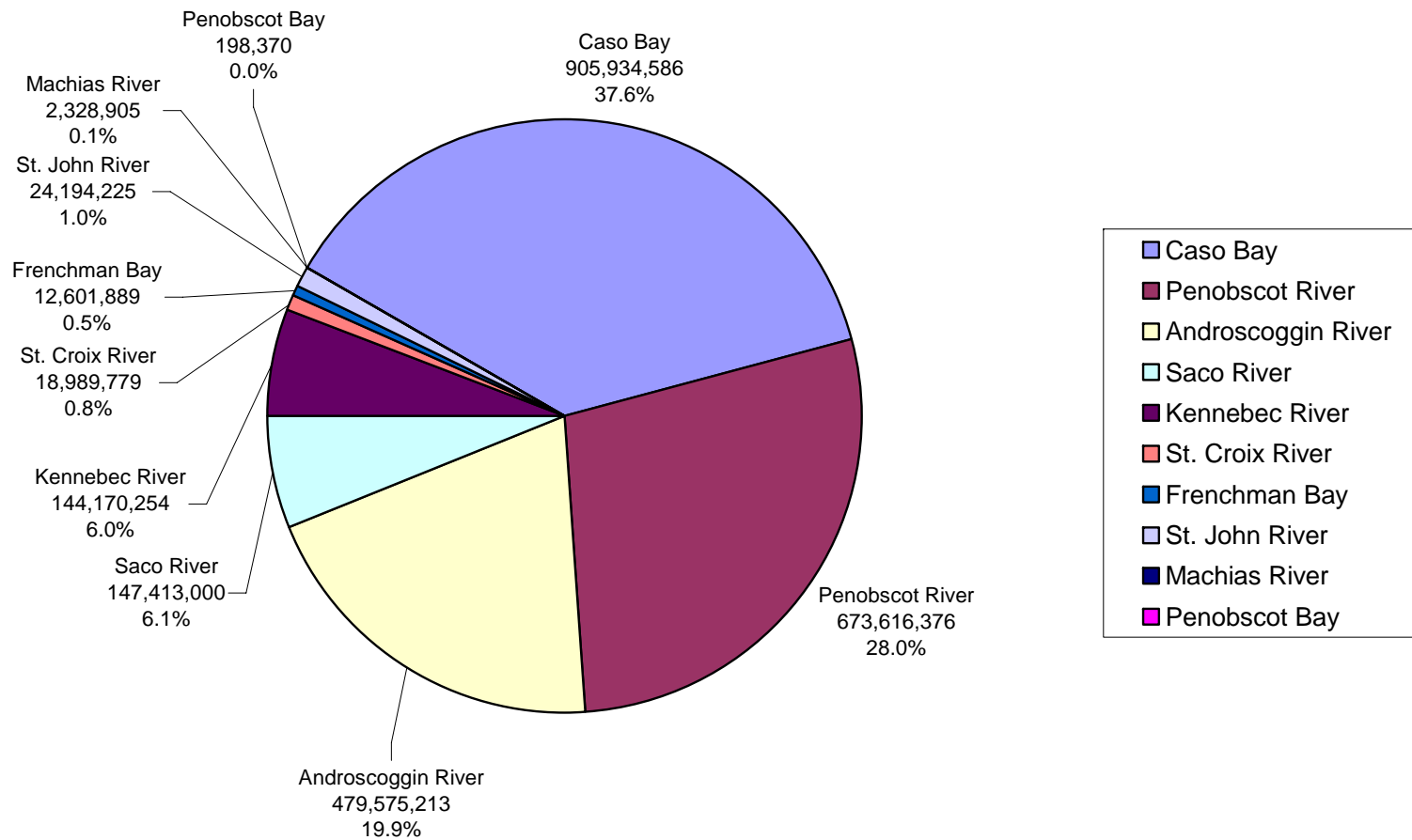
**2008 CSO FLOW COMPARISON  
35 CSO COMMUNITIES  
30 DISCHARGERS - 2.41 BILLION GALLONS**



**Discharger, Overflow in Million Gallons (MG), Percent of Total**



## 2008 CSO Watershed Flows (Gallons)



## **LICENSING STATUS OF POINT SOURCE DISCHARGES**

38 M.R.S.A. § 413(1) states, “No person may directly or indirectly discharge or cause to be discharged any pollutant without first obtaining a license therefor from the department.” The discharge license establishes limits for the type and amount of pollutants that can be discharged and monitoring and reporting requirements. The DEP can not issue a discharge license unless it finds that water quality will be protected.

On January 12, 2001, Maine received partial authorization from the EPA to implement the National Pollutant Discharge Elimination System (NPDES) Program. EPA withheld its decision on contested areas of the state in the upper Penobscot River watershed and certain areas in the St. Croix River watershed. On October 31, 2003 EPA granted authorization in these contested areas with the exception of two tribal facilities with discharges. The decision to withhold authority for the two tribal facilities was appealed by the State and overturned by the United States Court of Appeals for the First Circuit on August 8, 2007. With this decision the DEP is now the primary authority for administering the Clean Water Act NPDES program in Maine.

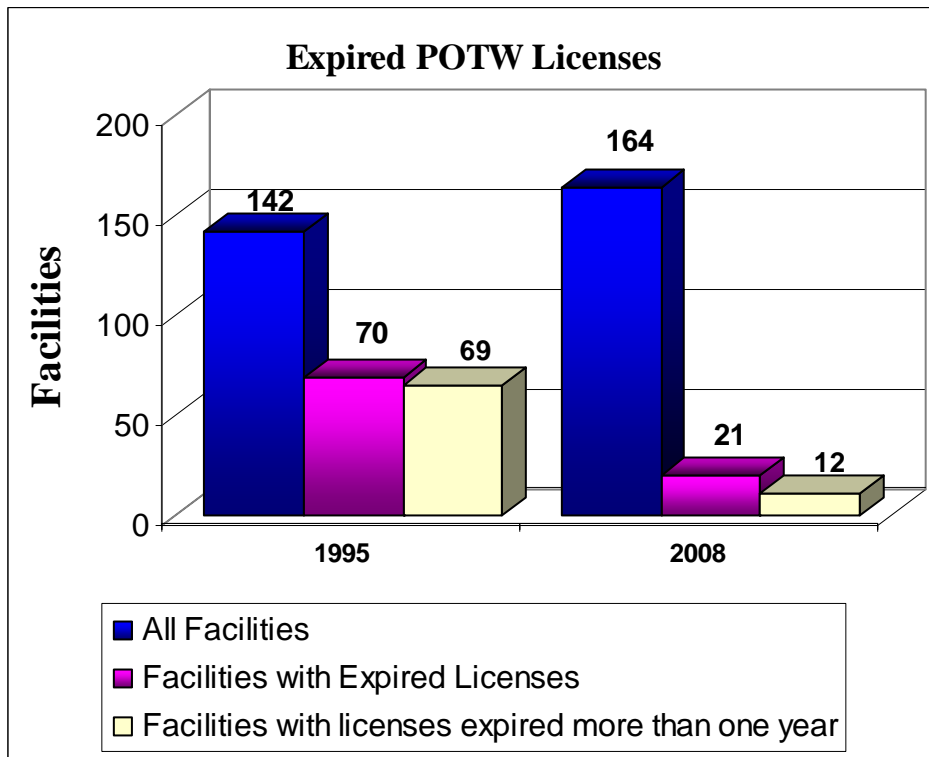
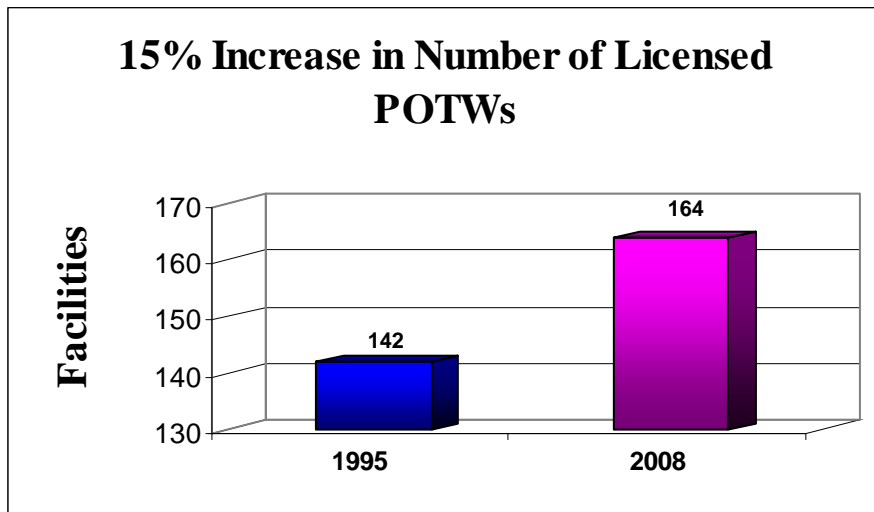
Due to historic understaffing in the DEP’s waste discharge licensing program, a backlog of expired license applications developed in the 1990’s resulting in numerous discharges operating under expired discharge licenses. As part of the NPDES delegation process, licensing staff was increased and an aggressive schedule was established to reduce the expired license backlog to no more than 5%. In calendar year 2004, the DEP achieved this 5% goal and had 95% of all licensed facilities operating with current licenses. This status has essentially been maintained through calendar year 2008.

Appendices A, B, and C indicate the license status of all discharges by category and location.

The charts on the following pages provide additional information on the licensing status of discharges.

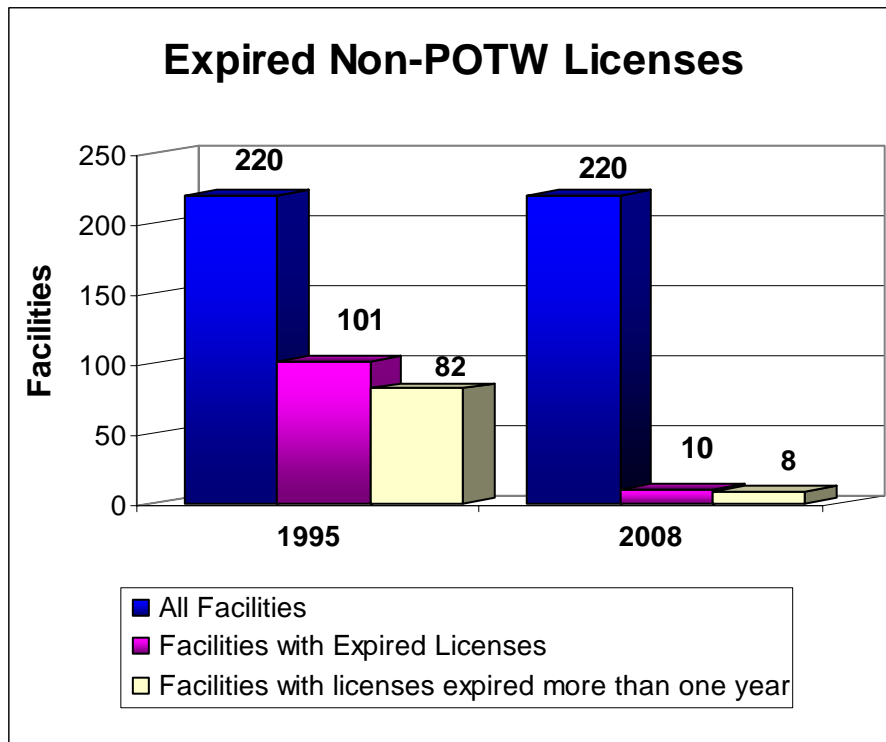
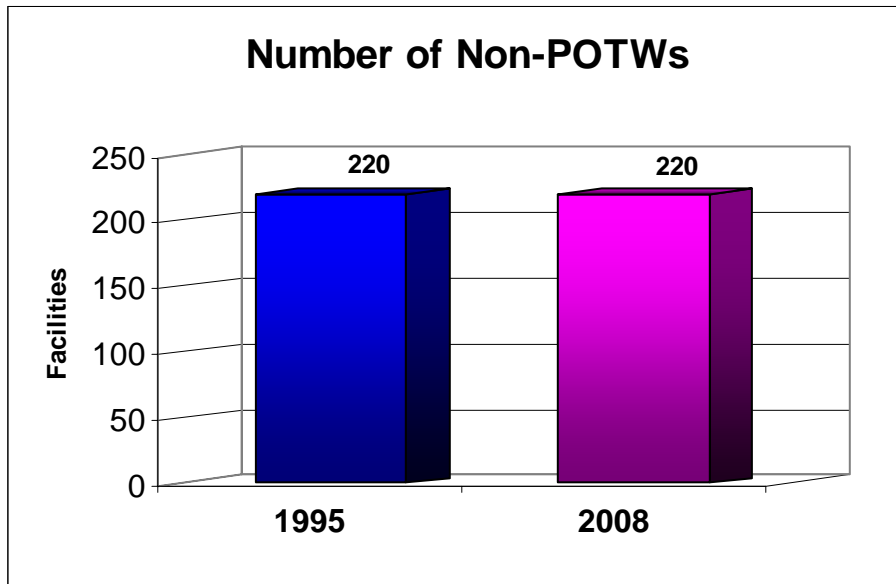
**LICENSING STATUS OF POINT SOURCE DISCHARGES**

The following 2 charts indicate changes in the number of licensed POTWs and their licensing status in 1995 and 2008.



**LICENSING STATUS OF POINT SOURCE DISCHARGES**

The following 2 charts indicate changes in the number of licensed Non POTWs and their licensing status in 1995 and 2008.



## COMPLIANCE STATUS OF POINT SOURCE DISCHARGES

The DEP tracks compliance with license requirements through facility inspections and review of facility monitoring data. Facilities are required to report the results of the monitoring required by the discharge license to the DEP on a monthly basis in discharge monitoring reports (DMRs).

The DEP utilizes a variety of tools to ensure compliance at licensed facilities including voluntary compliance, education and outreach, technical assistance, licensing, facility inspections, and enforcement actions.

For the purposes of this report all licensed wastewater discharges have been designated with a compliance status of either *Substantial Compliance*, *Significant Non Compliance (SNC)*, or *Exceptions List (EL)* for the calendar year 2008. They are defined as follows:

**Substantial Compliance:** A facility in substantial compliance will have had no violations of its wastewater license, or violations that did not exceed SNC or EL criteria.

**Significant Non Compliance (SNC):** A facility in SNC will have had two large violations, or four of any size violations, for a given parameter in a six-month period. A large violation is a *conventional pollutant* violation that exceeds its permit limit by 40% or more, or a *toxic pollutant* violation that exceeds its permit limit by 20% or more. Conventional pollutants are pollutants typical of municipal sewage, and for which secondary treatment plants are designed to treat. They are biochemical oxygen demand (BOD), total suspended solids (TSS), fecal coliform bacteria, oil and grease, and pH. Toxic pollutants are pollutants that may cause death, disease, behavioral abnormalities, cancer, genetic mutations, physiological malfunctions, or physical deformations. Toxic pollutants include certain metals and organic chemicals.

**Exceptions List (EL):** A facility is placed on the EL if a facility already in SNC qualifies for SNC again in the next quarter.

SNC and EL are compliance status criteria developed by the EPA and utilized by the DEP to track compliance. For the purposes of this report and routine compliance assessments, the DEP has chosen to include all permit limits as potential SNC and EL criteria. EPA uses a more abbreviated list.

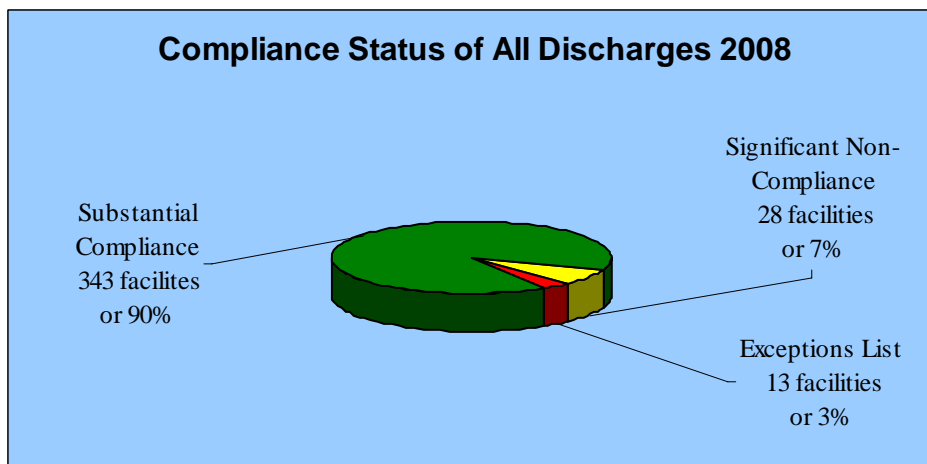
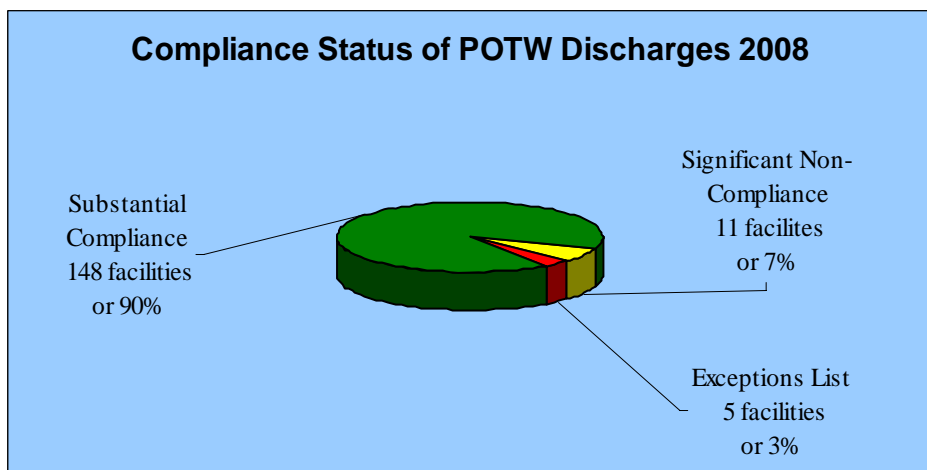
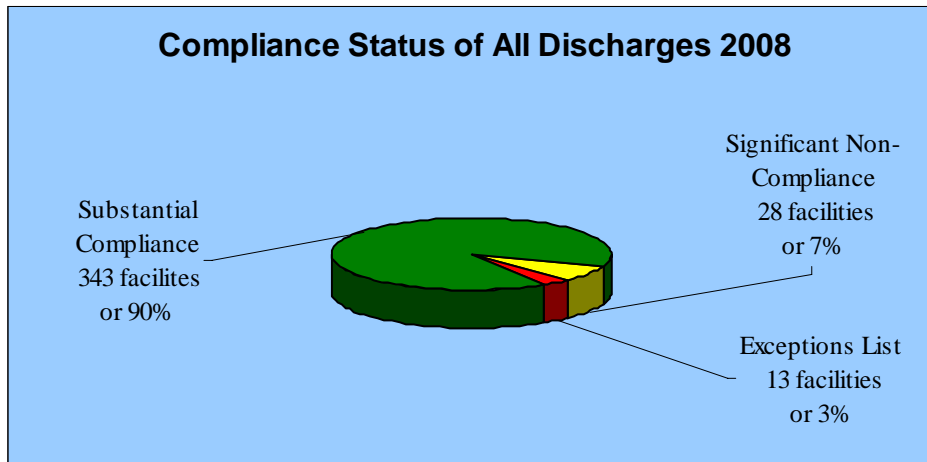
Appendices A and B indicate the compliance status of all point source discharges by category and location.

Appendices D and E provide non-compliance summaries for point source discharges in EL or SNC.



**COMPLIANCE STATUS OF POINT SOURCE DISCHARGES**

The following 3 charts summarize the compliance status for calendar year 2008 of licensed discharges based on SNC and EL criteria.



## ENVIRONMENTAL PERFORMANCE STATUS OF POINT SOURCE DISCHARGES

It should be noted that the CWA is unique among environmental laws in the amount of data that must be collected and reported by the licensed discharges. Every licensed discharge is required to monitor for a variety of parameters. The number of parameters varies from approximately 30 for large discharges to approximately ten for small discharges. The parameters are monitored at varying frequencies from daily to annually based on a variety of factors. All of this data is submitted to the DEP on a monthly basis. The result is that, just for the 78 Major facilities in any given month there are approximately 16,600 opportunities for an exceedence to be measured.

To illustrate this, the following table indicates the number of violations for BOD and TSS (two common parameters) as a percentage of possible violations per year. This table is based on data from the largest 116 municipal and largest 16 industrial wastewater treatment facilities in Maine.

*BOD* is a measurement of the amount of oxygen utilized by the decomposition of organic material, over a specified time period (usually 5 days) in a wastewater sample; it is used as a measurement of the readily decomposable organic content of a wastewater.

*TSS* is a measure of the filterable solids present in a wastewater sample.

Both BOD and TSS are good indicators of environmental performance of a wastewater treatment facility in terms of removal of oxygen depleting pollutants.

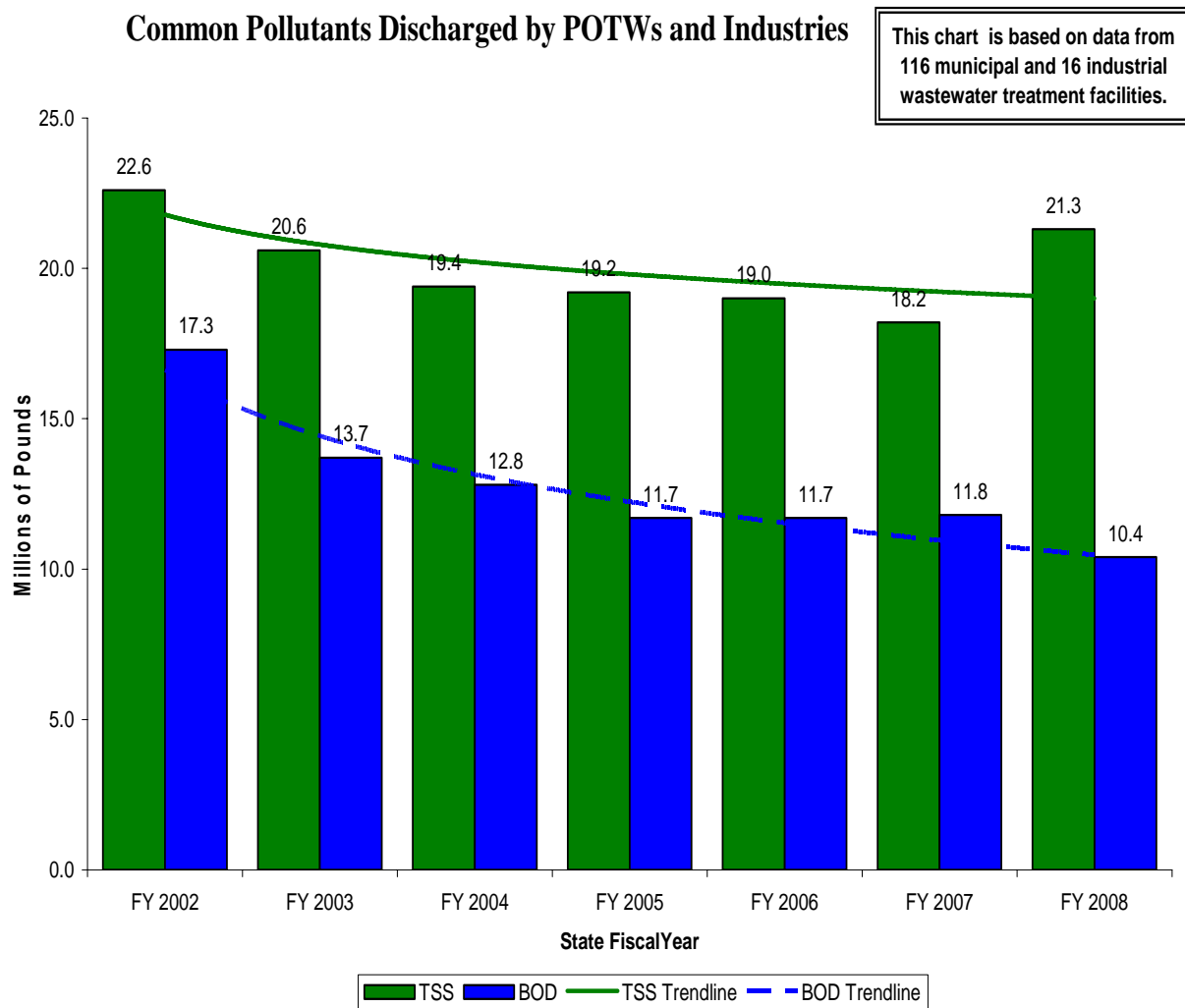
	<b>BOD</b>		<b>TSS</b>	
	Number of Violations	% of possible violations	Number of Violations	% of possible violations
FY 98-99	504	2.92%	193	1.12%
FY 99-00	516	3.00%	279	1.62%
FY 00-01	226	1.32%	243	1.41%
FY 01-02	315	1.81%	117	0.67%
FY 02-03	125	0.72%	111	0.64%
FY 03-04	165	1.26%	238	1.95%
FY 04-05	204	1.33%	394	3.27%
FY 05-06	150	1.19%	154	1.29%
FY 06-07	173	1.38%	206	1.73%
FY 07-08	96	0.64%	103	0.88%

This table indicates that while violations do occur, they are a very small percentage of possible violations and may not be indicative of poor performance or overall compliance.

## ENVIRONMENTAL PERFORMANCE STATUS OF POINT SOURCE DISCHARGES

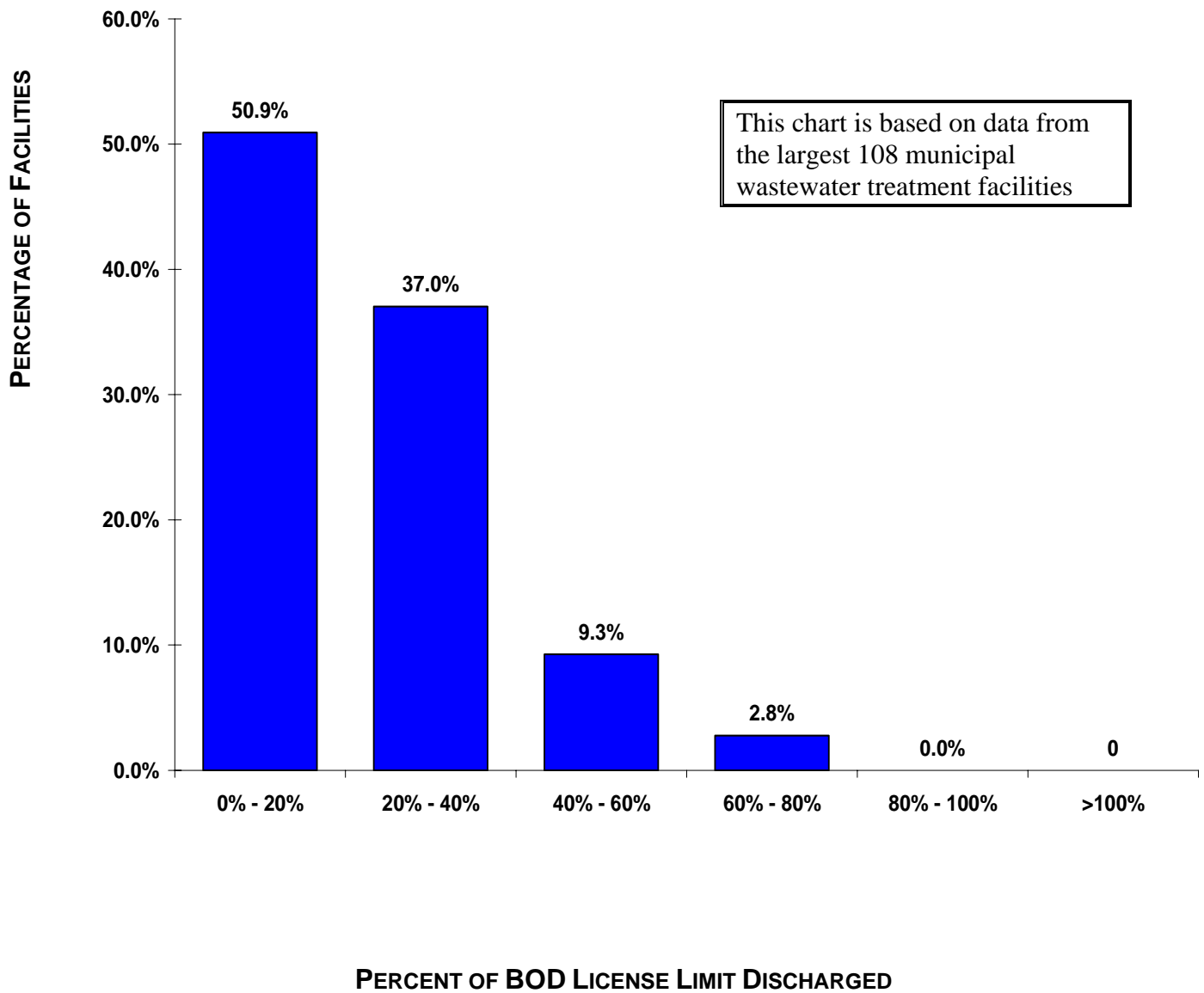
The following three charts indicate discharge trends for *BOD* and *TSS*. This data is included as an indicator of environmental performance of select licensed dischargers for the time period indicated.

The chart below illustrates the downward trend in the discharge of BOD and TSS. The downward trend of these two parameters can be attributed to the increased level of performance at municipal and industrial wastewater treatment facilities and the temporary or permanent closure of some industrial facilities across the state.



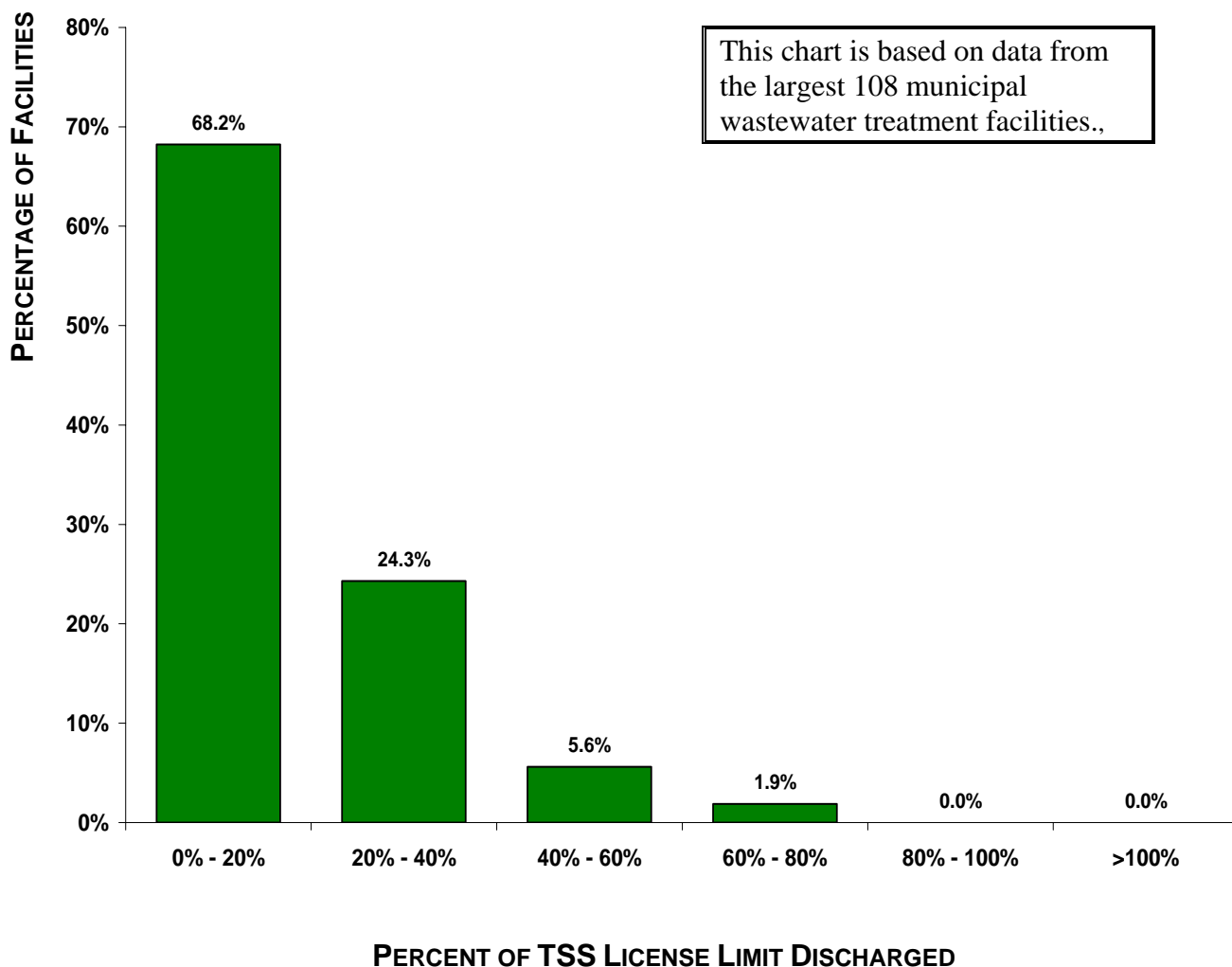
**ENVIRONMENTAL PERFORMANCE STATUS OF POINT SOURCE DISCHARGES**

The chart below shows the percentage of municipal wastewater treatment facilities as a function of the percentage of the BOD they are allowed, by permit, to discharge to the waters of the state. The chart indicates that 88% of the municipal wastewater treatment facilities in Maine discharge less than 40% of the BOD that could be discharged, according to the permits granted to those facilities by the DEP.



**ENVIRONMENTAL PERFORMANCE STATUS OF POINT SOURCE DISCHARGES**

The chart below shows the percentage of municipal wastewater treatment facilities as a function of the percentage of the TSS they are allowed, by permit, to discharge to the waters of the State. The chart indicates that 93% of the municipal wastewater treatment facilities in Maine discharge less than 40% of the TSS that could be discharged, according to the permits granted to those facilities by the DEP.



## ENFORCEMENT STATUS OF POINT SOURCE DISCHARGES

Enforcement of license requirements is a key element in protecting water quality. While a variety of tools exist for preventing and resolving compliance problems, the DEP may pursue formal, written, and legally binding resolutions to license violations where corrective action and or penalties are appropriate. The DEP's preference in resolving civil enforcement actions is to reach agreements as quickly as possible that: remediate environmental damage, restore natural resources to appropriate conditions, impose penalties that capture any economic benefit gained by the violator, and deter similar action in the future. The DEP uses the following enforcement tools: letter of warning, notice of violation, administrative consent agreement, 80K Actions (civil prosecution in court by certified DEP staff), case referral to the Department of the Attorney General, and enforcement by federal, other state, and local entities. *(It should be noted that the following information is for licensed discharges only. Additional enforcement actions were also taken against a variety of unlicensed entities for violations of water quality laws.)*

<b>ENFORCEMENT TOOLS UTILIZED IN 2008 TO RESPOND TO VIOLATIONS</b>	
<b>ACTIONS</b>	<b>NUMBER</b>
LETTER OF WARNING	27
NOTICE OF VIOLATION	39
CONSENT AGREEMENT*	5
DISTRICT COURT**	0
<b>TOTAL</b>	<b>71</b>

<b>*CONSENT AGREEMENTS FINALIZED IN 2008</b>			
<b>NAME</b>	<b>VIOLATIONS</b>	<b>PENALTY</b>	<b>CORRECTIVE ACTIONS/ COMMENTS</b>
1. KATHADIN PAPER	WATER QUALITY VIOLATIONS	\$21,200	THREE SUPPLEMENTAL ENVIRONMENTAL PROJECTS FOR \$84,800. LIMIT FUTURE DISCHARGES OF PHOSHPORUS.
2. DOMTAR PAPER	UNLICENSED DISCHARGES	\$5,200	NONE REQUIRED
3. RICHMOND UTILITIES DISTRICT	UNLICENSED OVERFLOWS AT PUMP STATION	\$14,280	UPGRADE SEWER SYSTEM TO REMOVED EXTRANEIOUS WATER
4. VEAZIE SEWER DISTRICT	UNLICENSED OVERFLOW AT PUMP STATION	\$500	NONE REQUIRED
5. VERSO PAPER	LICENSE VIOLATIONS; DISCHARGES OF UNTREATED WASTEWATER	\$10,850	REPLACE PIPING WITHIN TREATMENT PLANT, EVALUATE SEWER LINES, EVALUATE DISCHARGES OF HEAT
		<b>\$52,030</b>	

**ENFORCEMENT STATUS OF POINT SOURCE DISCHARGES**

In addition, the following cases were referred to enforcement in calendar year 2008. As indicated below, all are under active investigation, administrative consent agreements have been initiated, or the case has been otherwise resolved without enforcement action. Administrative consent agreements are likely to contain monetary penalties and corrective actions.

<b>CASES REFERRED TO ENFORCEMENT IN 2008</b>				
<b>DISCHARGE TYPE</b>	<b>NUMBER OF CASES</b>	<b>UNDER INVESTIGATION</b>	<b>CONSENT AGREEMENT INITIATED</b>	<b>RESOLVED WITHOUT ENFORCEMENT</b>
POTW *	4	4	0	0
INDUSTRIAL	5	2	3	0
COMMERCIAL	2	0	1	1
PRIVATE	10	2	4	4
<b>TOTAL</b>	<b>21</b>	<b>8</b>	<b>8</b>	<b>5</b>

\* PUBLICLY OWNED TREATMENT WORKS

## **CONSTRUCTION AND FUNDING NEEDS OF POTWS**

The ongoing construction and funding needs of Maine POTWs, or municipal treatment plants, are significant.

Affordable financing is required to stop the continued deterioration of sewers, pump stations and treatment facilities to ensure water quality is maintained and improved. Funding needs are addressed through several sources including limited federal state and tribal assistance grants, limited state grants as approved by voters, Community Development Block Grants, Rural Development loans and grants, and the Clean Water State Revolving Loan Fund (CWSRF).

The CWSRF provides low interest loans to municipalities and quasi-municipal corporations such as sanitary districts for construction of wastewater facilities. The CWSRF is funded by federal capitalization grants from EPA which require state matching funds equal to 20% of the federal grant. State funds typically come from bond issues approved by the voters of the state of Maine. The Maine Municipal Bond Bank (MMBB) is the financial manager of Maine's CWSRF and the Engineering Unit of DEP's Division of Water Quality Management administers the technical aspects of the program and the individual projects funded by it.

The primary purpose of the fund is to, "acquire, design, plan, construct, enlarge, repair or improve publicly-owned sewage systems, sewage treatment plants or to implement related management programs." The long term goal of the CWSRF is to maintain and improve Maine's inventory of municipal sewage facilities in perpetuity. This will ensure preservation of the water quality gains that were realized by the initial construction of them.

- A listing of POTW projects funded by the CWSRF program in FY 2008 is included in Appendix F.
- A listing of long term funding needs of POTWs is included as Appendix G.



## **STATUS OF OVERBOARD DISCHARGES**

Overboard Discharges (OBDs) are treated discharges to surface waters of domestic pollutants that are not conveyed and treated in municipal or quasi-municipal treatment facilities. Typical OBDs include residences, schools, and commercial establishments. As of December 31, 2008 there were 1,391 approved OBDs in the state located in 115 towns and plantations, a reduction of 44 during the past year. 56% of these discharges are located in eight coastal communities (Boothbay, Boothbay Harbor, Bristol, Georgetown, Harpswell, Southport, South Bristol, and Portland).

Since 1995, the number of approved OBDs has decreased by 754. This decline is due primarily to the OBD licensing and removal program and to public sewer line extensions. During this time, OBDs have been completely removed from the following 50 municipalities: Augusta, Baileyville, Beals, Belfast, Benton, Bridgton, Brooklin, Caribou, Carmel, Charleston, Cushing, East Machias, Eastport, Enfield, Freeport, Gorham, Greenville, Hancock, Harmony, Hollis, Isle Au Haut, Jonesboro, Lubec, Machias, Milbridge, New Gloucester, New Portland, New Vineyard, Oakfield, Ogunquit, Old Town, Orland, Oxford, Passadumkeag, Pembroke, Perry, Poland Springs, Richmond, Rockland, Roque Bluffs, Saco, Sedgwick, South Berwick, South Portland, Stacyville, Sullivan, Topsham, Trenton, Waterville and Wiscasset.

### **OBD License Status**

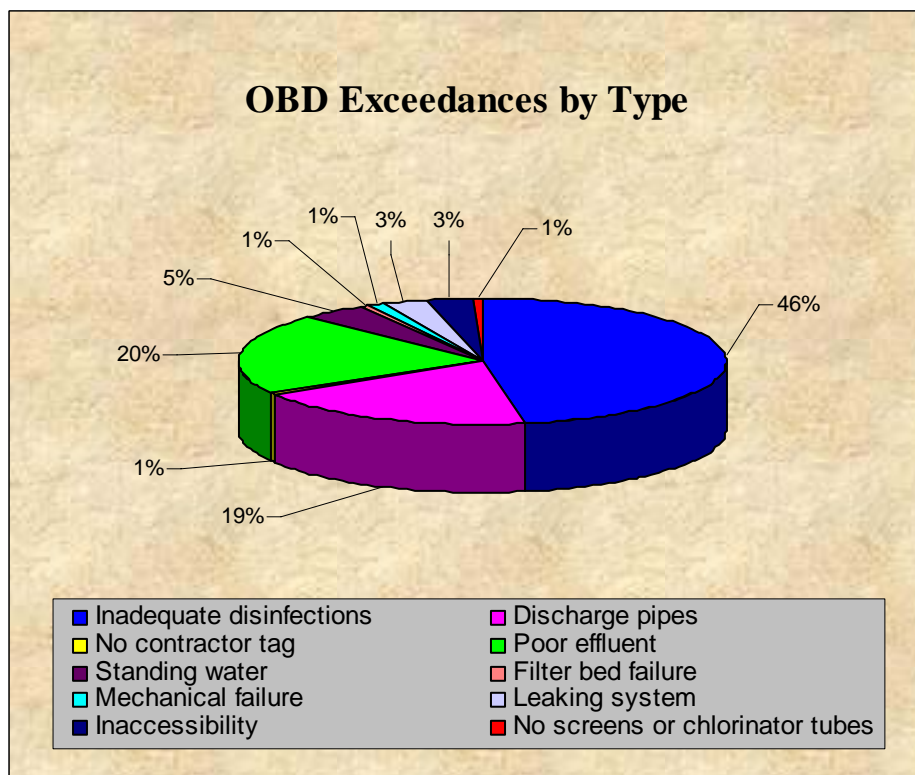
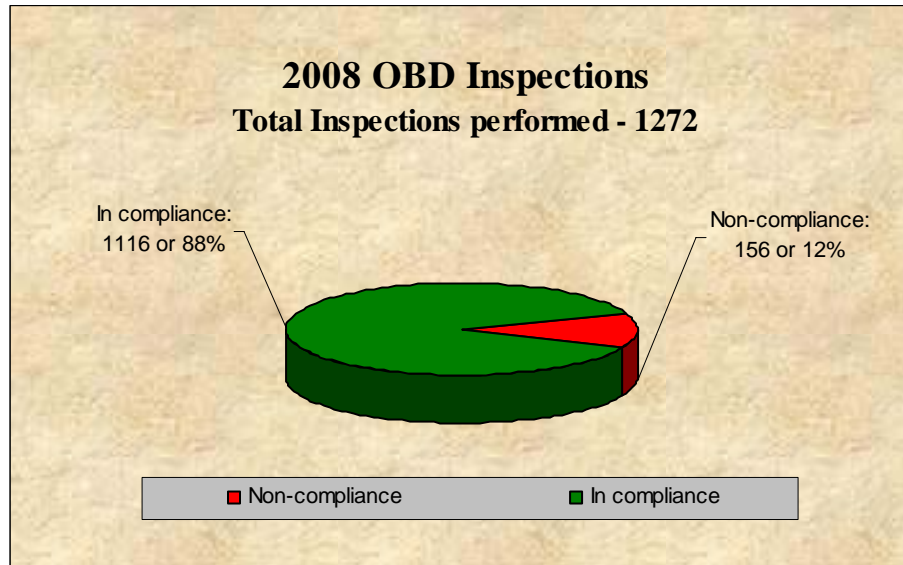
Currently, 67% of all approved OBDs are operating with an expired license or conditional permit. The backlog of expired licenses is the result of historic staffing shortages and compliance efforts that have reduced the amount of time dedicated to licensing. The DEP is developing a general permit for OBDs that will expedite the permitting process and reduce the backlog of expired permits.

### **OBD Compliance Status - Inspections**

Prior to 2008, full time and seasonal DEP staff inspected the vast majority of OBDs twice a year. In 2008 the 3 seasonal Conservation Aides were employed part of the time to assist the Department of Marine Resources and other DEP programs with conducting sanitary surveys and other projects with the potential to improve water quality, maintain open shellfish areas, or allow closed shellfish area to be opened. As a consequence, OBD inspections were reduced from prior years. In 2008 there were 1,391 licensed OBD systems state-wide. Of these, 1,234 were inspected once and 38 were inspected twice to ensure previously identified non compliance was corrected. 157 OBDs, primarily inactive systems or those on islands or downeast, did not receive an inspection in 2008. The Department intends to ensure that all systems are inspected at least once every other year and that inspections are targeted to yield the greatest compliance effect. To offset reduced inspection frequencies, the Department increased OBD education and outreach activities and enforcement actions.

**STATUS OF OVERBOARD DISCHARGES**

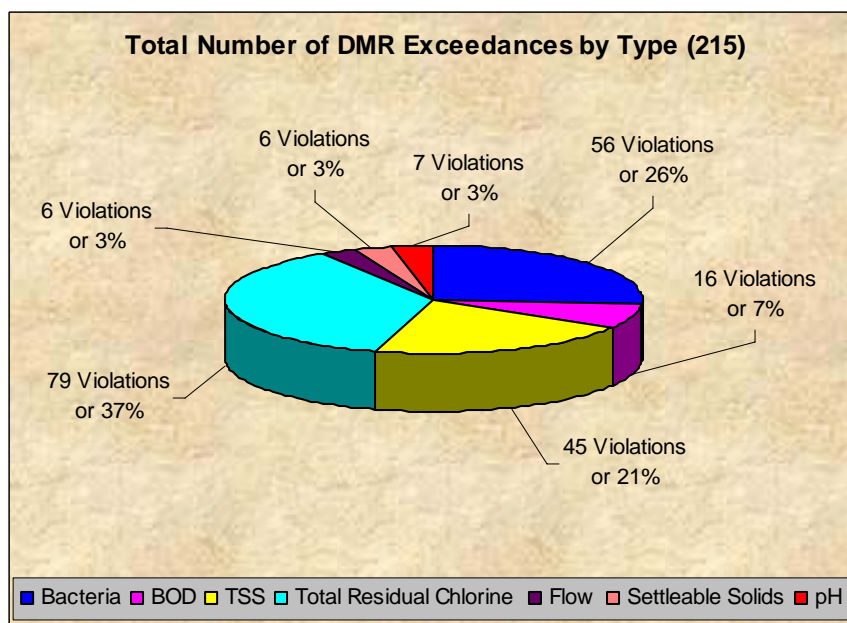
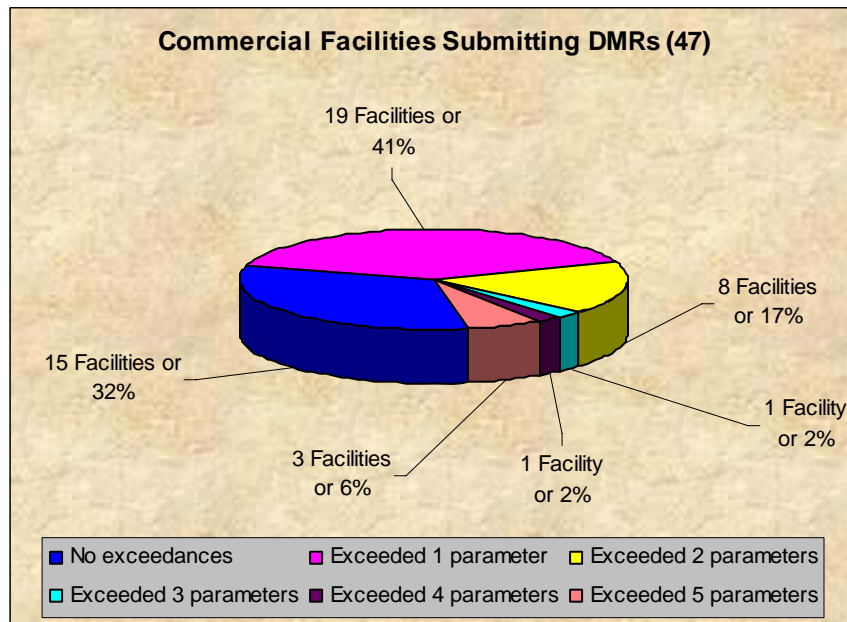
The following two charts indicate compliance status based on 2008 inspections. If non-compliance is discovered during an inspection, the inspector will indicate the problem and specify corrective actions in the inspection report that is left with the system owner. The system owner is then required to correct the problem within two weeks. If the system owner fails to correct the non-compliance, the DEP will issue a letter of warning, and if needed a notice of violation or additional enforcement action to compel the system owner to correct the non-compliance.



**STATUS OF OVERBOARD DISCHARGES**

**OBD COMPLIANCE STATUS – COMMERCIAL FACILITIES DISCHARGE MONITORING REPORTS**

Commercial OBDs discharging more than 2000 gallons per day are required to periodically submit Discharge Monitoring Reports (DMRs) to the DEP. The DMRs indicate the results of effluent monitoring to determine compliance with effluent limits set in discharge permits. The following two charts indicate the number and type of exceedences for calendar year 2008. When an exceedence is reported to the DEP, the facility is also required to report the cause of the exceedence and the corrective action taken to prevent future occurrences. The DEP follows up with any facility that has not self corrected the cause of an exceedence to ensure the problem is corrected.



**APPROVED OVERBOARD DISCHARGES, BY LOCATION**  
**AS OF JANUARY 5, 2009**

<u>Town/City</u>	<u>Number</u>	<u>Town/City</u>	<u>Number</u>
ADDISON	3	CRANBERRY ISLES	11
ALNA	1	CUMBERLAND	1
ARROWSIC	2	CUTLER	2
ARUNDEL	7	DAMARISCOTTA	3
BANGOR	2	DEER ISLE	16
BAR HARBOR	8	DRESDEN	2
BATH	9	EDDINGTON	3
BETHEL	1	EDGECOMB	25
BIDDEFORD	24	ELIOT	2
BLUE HILL	11	ELLSWORTH	1
BOOTHBAY	136	EUSTIS	3
BOOTHBAY HARBOR	68	FAIRFIELD	1
BOWDOINHAM	5	FALMOUTH	1
BRADLEY	7	FARMINGTON	3
BREMEN	1	FRANKFORT	2
BRISTOL	155	FRENCHBORO	1
BROOKS	1	FRIENDSHIP	19
BROOKSVILLE	5	GEORGETOWN	64
BRUNSWICK	2	GOULDSBORO	20
BUCKFIELD	7	HAMPDEN	1
BURNHAM	1	HARPSWELL	78
BUXTON	1	HARRINGTON	7
CALAIS	4	INDUSTRY	1
CAMDEN	6	ISLEBORO	2
CAPE ELIZABETH	4	JONESPORT	10
CASTINE	4	KENNEBUNK	4
CHELSEA	1	KENNEBUNKPORT	4
CHERRYFIELD	36	KITTERY	10
CHESTERVILLE	1	LEWISTON	1
COLUMBIA FALLS	8	LINCOLNVILLE	2
		LONG ISLAND	4

**APPROVED OVERBOARD DISCHARGES, BY LOCATION**  
**AS OF JANUARY 5, 2009**

<u>Town/City</u>	<u>Number</u>	<u>Town/City</u>	<u>Number</u>
MACHIASPORT	4	SOUTH THOMASTON	7
MADISON	6	SOUTHPORT	165
MATINICUS ISLAND	1	SOUTHWEST HARBOR	5
MEDWAY	1	ST. GEORGE	34
MONHEGAN	29	STANDISH	2
MONTICELLO	1	STEUBEN	2
MOUNT DESERT	8	STONINGTON	8
NEWCASTLE	1	STRONG	3
NORRIDGEWOCK	1	SURRY	4
NORTH HAVEN	4	SWANS ISLAND	1
OAKLAND	1	THOMASTON	2
ORRINGTON	3	TREMONT	25
OWLS HEAD	18	TRESCOTT	2
PARSONSFIELD	1	TURNER	3
PENOBSCOT	3	VASSALBORO	2
PHIPPSBURG	8	VERONA	1
PORTLAND	60	VINALHAVEN	17
PRESQUE ISLE	1	WARREN	2
PROSPECT	1	WEST BATH	3
ROBBINSTON	1	WEST PARIS	4
ROCKPORT	6	WESTPORT	13
SABATTUS	1	WINDHAM	2
SCARBOROUGH	2	WINSLOW	4
SEARSPORT	1	WINTER HARBOR	7
SIDNEY	1	WINTERPORT	1
SOUTH BRISTOL	51	WOOLWICH	8
		YARMOUTH	12
		YORK	12
		<b>TOTAL</b>	<b>1,391</b>

**APPENDIX A**

**POTW WASTE DISCHARGE LICENSES AS OF DECEMBER 31, 2008  
SORTED BY LOCATION**

(SEE KEY TO COLUMN HEADINGS AT THE END OF THE APPENDIX)

Location	License #	Exp. Date	Flow MGD	Type	Major	CSO	Tox	301(H)	Pre	Surf	Sub	Spray	Compliance Status
ANSON (ANSON-MADISON SANITARY DISTRICT)	W-002710	12/21/12	5.000	5M	X		X			X			
ASHLAND	W-002697	04/08/10	0.300	6C			X			X			
AUBURN	W-000685	12/28/10	-----	5T		X				X			
AUGUSTA (GREATER AUGUSTA SANITARY DIST.	W-002695	09/18/13	8.000	5M	X	X	X		X	X			
BAILEYVILLE	W-002649	10/24/13	0.600	6C						X			
BANGOR	W-001041	02/12/07	18.000	5M	X	X	X		X	X			
BAR HARBOR-DEGREGOIRE PARK	W-002584	11/21/10	0.012	6B						X			
BAR HARBOR-HULLS COVE	W-002590	11/21/10	0.150	6C		X	X			X			
BAR HARBOR-MAIN PLANT	W-002591	11/21/10	2.000	6D	X	X	X			X			
BAR HARBOR-MOUNT DESERT HIGH SCHOOL	W-003319	09/15/09	0.009	6B								X	
BATH	W-002678	10/26/09	3.500	6D	X	X	X			X			
BELFAST	W-000569	05/23/11	0.900	6C	X	X	X			X			
BERWICK	W-000566	01/22/08	1.100	5M	X		X		X	X			

**APPENDIX A**

**POTW WASTE DISCHARGE LICENSES AS OF DECEMBER 31, 2008  
SORTED BY LOCATION**

(SEE KEY TO COLUMN HEADINGS AT THE END OF THE APPENDIX)

Location	License #	Exp. Date	Flow MGD	Type	Major	CSO	Tox	301(H)	Pre	Surf	Sub	Spray	Compliance Status
BETHEL	W-002595	09/21/10	0.340	6C						X			
BIDDEFORD	W-000683	06/25/08	6.500	5M	X	X	X		X	X			
BIDDEFORD- BIDDEFORD POOL	W-007581	06/23/10	0.030	6B						X			
BINGHAM	W-001286	04/20/11	0.200	6C						X			
BLUE HILL	W-002628	12/07/09	0.100	6B			X			X			
BOOTHBAY HARBOR (BAYVILLE VILLAGE CORPORATION)	W-002573	09/16/13	0.015	6C				X		X			
BOOTHBAY HARBOR- MAIN PLANT	W-002750	12/13/10	0.640	6C	X		X			X			
BREWER	W-002679	04/25/08	5.190	5M	X	X	X		X	X			
BRIDGTON	W-007879	04/25/12	0.032	6B							X		
BROWNVILLE	W-000829	10/15/12	0.082	6B						X	X		
BRUNSWICK	W-002600	05/26/09	3.850	6D	X		X			X			
BRUNSWICK-GRAHAM ROAD LANDFILL	W-004308	11/16/09	0.200	6C						X			SNC
BRUNSWICK-MERE POINT	W-008015	08/04/13	0.011	6B							X		

**APPENDIX A**

**POTW WASTE DISCHARGE LICENSES AS OF DECEMBER 31, 2008  
SORTED BY LOCATION**

(SEE KEY TO COLUMN HEADINGS AT THE END OF THE APPENDIX)

Location	License #	Exp. Date	Flow MGD	Type	Major	CSO	Tox	301(H)	Pre	Surf	Sub	Spray	Compliance Status
BUCKSPORT	W-002596	06/17/07	0.460	6C		X		X		X			
CALAIS	W-002751	09/29/11	1.500	6D	X	X	X			X			
CAMDEN	W-002592	07/29/13	1.210	6D	X		X			X			
CANTON	W-006445	02/22/11	0.621	6D			X			X			
CAPE ELIZABETH (PORTLAND WATER DIST.)	W-006751	07/05/11	0.499	6C		X	X			X			
CARIBOU-CITY FACILITY	W-001001	12/22/11	1.710	6D	X		X			X			
CARIBOU-LORING DEVELOPMENT AUTHORITY	W-006654	12/19/08	2.500	6D	X		X			X			
CARRABASSETT VALLEY	W-002781	12/22/11	-----	6C								X	
CASTINE	W-002623	12/22/09	0.126	6C			X			X			SNC
CLINTON	W-002589	04/29/13	0.350	6C			X			X			
CORRINNA	W-008206	09/02/09	0.110	6C								X	SNC, EL
CORNISH	W-007878	04/24/12	0.007	6A							X		



**APPENDIX A**

**POTW WASTE DISCHARGE LICENSES AS OF DECEMBER 31, 2008  
SORTED BY LOCATION**

(SEE KEY TO COLUMN HEADINGS AT THE END OF THE APPENDIX)

Location	License #	Exp. Date	Flow MGD	Type	Major	CSO	Tox	301(H)	Pre	Surf	Sub	Spray	Compliance Status
DAMARISCOTTA-MAIN PLANT (GREAT SALT BAY SANITARY DISTRICT)	W-006048	06/26/11	0.268	6C						X			
DANFORTH	W-000819	12/29/09	0.049	6B						X			
DEXTER	W-000830	12/06/12	0.273	6C								X	
DOVER-FOXCROFT	W-002633	09/07/09	0.800	6C			X			X			
EAGLE LAKE	W-003374	12/17/12	0.146	6C								X	
EAST MACHIAS	W-006521	10/05/10	0.026	6A						X			
EASTPORT-MAIN PLANT	W-002598	11/12/13	0.82	6C				X		X			
EASTPORT-QUODDY VILLAGE	W-008131	11/12/13	0.050	6B				X		X			
ELLSWORTH	W-002529	05/28/09	0.850	6C	X		X			X			
ELLSWORTH-SHORE ROAD	W-003801	08/18/09	0.002	6A						X			
FAIRFIELD	W-007701	12/03/13	-----	5T		X				X			
FALMOUTH	W-002650	02/12/13	1.560	6D	X		X			X			
FARMINGTON	W-002670	10/16/11	0.900	6C	X		X			X			
FORT FAIRFIELD	W-000694	05/08/12	0.600	5M	X		X			X			

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**POTW WASTE DISCHARGE LICENSES AS OF DECEMBER 31, 2008  
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(SEE KEY TO COLUMN HEADINGS AT THE END OF THE APPENDIX)

Location	License #	Exp. Date	Flow MGD	Type	Major	CSO	Tox	301(H)	Pre	Surf	Sub	Spray	Compliance Status
FORT KENT	W-000692	12/18/11	0.430	6C	X		X			X			
FREEPORT	W-000617	04/19/10	0.750	6C	X		X			X			
FRENCHVILLE	W-007676	06/17/10	0.060	6B						X			
GARDINER	W-002655	03/16/11	4.500	6D	X	X	X			X			
GRAND ISLE	W-007713	06/02/10	0.080	6B						X			
GREENVILLE (MOOSEHEAD SANITARY DISTRICT)	W-002119	01/29/09	0.170	6C								X	
GUILFORD (GUILFORD- SANGERVILLE SANITARY DISTRICT)	W-006792	08/11/09	0.930	6C	X		X			X			
HAMPDEN	W-007967	12/27/07	-----	5T		X				X			
HARTLAND	W-000678	12/06/12	1.500	5M	X		X		X	X			
HOULTON (HOULTON WATER COMPANY)	W-002648	02/16/10	1.500	6D	X		X			X			
HOULTON (HOULTON WATER COMPANY)	W-008219	05/20/10	----	6B								X	
HOWLAND	W-002632	05/16/10	0.300	6C						X			

**APPENDIX A**

**POTW WASTE DISCHARGE LICENSES AS OF DECEMBER 31, 2008  
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(SEE KEY TO COLUMN HEADINGS AT THE END OF THE APPENDIX)

Location	License #	Exp. Date	Flow MGD	Type	Major	CSO	Tox	301(H)	Pre	Surf	Sub	Spray	Compliance Status
INDIAN TOWNSHIP- PETER DANA POINT (PASSAMAQUODDY TRIBE)	W-007055	01/21/02	0.015	6B							X		
INDIAN TOWNSHIP- PRINCETON STRIP (PASSAMAQUODDY TRIBE)	W-000872	08/02/99	0.015	6B								X	
ISLESBORO-DARK HARBOR	W-002726	11/21/10	0.064	6B						X			
JACKMAN	W-002696	09/28/09	0.675	6C			X			X			
JAY-NORTH JAY	W-002689	08/02/10	0.060	6B			X			X			
KENNEBUNK	W-002585	09/18/11	1.310	6D	X		X			X			
KENNEBUNKPORT	W-002626	06/22/10	0.700	6C	X		X			X			
KINGFIELD	W-006272	04/24/12	0.077	6B							X		
KITTERY	W-000389	03/24/11	2.500	6D	X		X			X			SNC
LEWISTON	W-000684	12/29/10	-----	5T		X				X			
LEWISTON (LEWISTON- AUBURN WATER POLLUTION CONTROL AUTHORITY)	W-000682	07/24/13	14.200	5M	X	X	X		X	X			
LEWISTON-NO NAME POND	W-008126	01/30/12	0.004	6A							X		

**APPENDIX A**

**POTW WASTE DISCHARGE LICENSES AS OF DECEMBER 31, 2008  
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(SEE KEY TO COLUMN HEADINGS AT THE END OF THE APPENDIX)

Location	License #	Exp. Date	Flow MGD	Type	Major	CSO	Tox	301(H)	Pre	Surf	Sub	Spray	Compliance Status
LIMERICK	W-000860	10/12/10	0.110	6C			X			X			
LIMESTONE	W-002684	10/05/09	0.300	6C	X		X			X			SNC
LINCOLN	W-001479	03/31/08	1.070	6D	X	X	X			X			
LISBON	W-002725	05/18/10	2.025	6D	X		X			X			
LIVERMORE FALLS	W-002654	09/21/10	2.000	6D		X	X			X			
LUBEC	W-006306	11/12/13	0.166	6C				X		X			
MACHIAS	W-002674	09/06/10	0.370	6C	X	X	X			X			
MADAWASKA	W-002602	12/10/13	0.674	6C		X				X			
MAPLETON	W-008147	07/03/13	0.150	6B								X	
MARS HILL	W-000842	10/22/12	1.000	6D			X			X			
MATTAWAMKEAG	W-007462	04/25/10	0.090	6B						X			
MECHANIC FALLS	W-002722	02/12/13	0.490	6C	X	X	X			X			
MEXICO (RUMFORD-MEXICO SEWERAGE DISTRICT)	W-002686	09/21/10	2.650	6D	X		X			X			
MILBRIDGE	W-000862	11/18/08	0.070	6B				X		X	X		
MILFORD	W-008223	11/04/10	----	5T		X				X			

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**POTW WASTE DISCHARGE LICENSES AS OF DECEMBER 31, 2008  
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(SEE KEY TO COLUMN HEADINGS AT THE END OF THE APPENDIX)

Location	License #	Exp. Date	Flow MGD	Type	Major	CSO	Tox	301(H)	Pre	Surf	Sub	Spray	Compliance Status
MILLINOCKET	W-002680	02/11/09	2.330	6D	X		X			X			
MILO	W-002753	10/05/09	0.390	6C			X			X			
MONSON	W-007155	10/09/12	0.014	6B							X		
MT. DESERT- NORTHEAST HARBOR	W-002659	12/29/13	0.330	6C			X			X			
MT. DESERT- SEAL HARBOR I	W-002657	07/07/09	0.250	6C			X			X			
MT. DESERT- SOMESVILLE	W-002656	12/29/13	0.080	6B			X			X			SNC
NEWPORT	W-000865	07/01/09	0.524	6C			X			X			
NEWPORT-NOKOMIS REGIONAL HIGH SCHOOL	W-007162	08/04/13	0.010	6B								X	
NOBLEBORO- DAMARISCOTTA MILLS (GREAT SALT BAY SANITARY DISTRICT)	W-007044	04/11/11	0.015	6B						X			
NORRIDGEWOCK	W-007742	10/30/13	0.193	6C						X			
NORTH BERWICK	W-006267	08/14/07	1.000	6C			X			X			
NORTH HAVEN	W-001671	11/21/08	0.040	6B				X		X			SNC
NORTHPORT (NORTHPORT VILLAGE CORPORATION)	W-002575	06/29/09	0.063	6B				X		X			

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**POTW WASTE DISCHARGE LICENSES AS OF DECEMBER 31, 2008  
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(SEE KEY TO COLUMN HEADINGS AT THE END OF THE APPENDIX)

Location	License #	Exp. Date	Flow MGD	Type	Major	CSO	Tox	301(H)	Pre	Surf	Sub	Spray	Compliance Status
NORWAY	W-002647	06/02/13	0.975	6C	X		X			X			
OAKLAND	W-002690	05/15/06	0.480	6C	X		X			X			
OGUNQUIT	W-000449	03/12/13	1.280	6D	X		X			X			
OLD ORCHARD BEACH	W-002786	04/19/10	3.500	6D	X		X			X			
OLD TOWN	W-001635	05/25/09	3.500	6D	X	X	X			X			
OLD TOWN-INDIAN ISLAND (PENOBSCOT INDIAN NATION)	W-002672	03/29/05	0.070	6B						X			
ORONO	W-002673	11/30/12	1.840	6D	X	X	X			X			
PARIS-SOUTH PARIS (PARIS UTILITY DISTRICT)	W-000632	08/21/06	0.650	6C	X	X	X			X			EL
PATTEN	W-007775	12/03/13	0.030	6B								X	
PERRY (PLEASANT POINT) (PASSAMAQUODDY TRIBE)	W-002561	10/13/04	0.150	6B						X			
PITTSFIELD	W-001477	06/08/09	1.500	6D			X			X			
PORTLAND	W-008010	10/24/13	-----	5T		X				X			
PORTLAND (PORTLAND WATER DISTRICT)	W-002671	01/10/11	19.800	5M	X	X	X		X	X			SNC, EL

**APPENDIX A**

**POTW WASTE DISCHARGE LICENSES AS OF DECEMBER 31, 2008  
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(SEE KEY TO COLUMN HEADINGS AT THE END OF THE APPENDIX)

Location	License #	Exp. Date	Flow MGD	Type	Major	CSO	Tox	301(H)	Pre	Surf	Sub	Spray	Compliance Status
PORTLAND-PEAKS ISLAND (PORTLAND WATER DISTRICT)	W-007182	09/17/12	0.200	6C			X			X			
PRESQUE ISLE	W-002713	06/18/12	2.310	6D	X	X	X			X			
PRESQUE ISLE-ECHO LAKE	W-008017	07/24/13	0.004	6A							X		
PRESQUE ISLE-LANDFILL	W-008088	07/21/11	---	6B								X	
RANDOLPH	W-008074	04/08/09	-----	5T		X				X			
RANGELEY	W-008086	05/02/12	-----	6C								X	
RICHMOND	W-002616	03/12/13	0.320	6C						X			
ROCKLAND	W-000681	12/21/12	3.300	5M	X	X	X		X	X			SNC
RUMFORD-RUMFORD POINT (RUMFORD-MEXICO SEWERAGE DISTRICT)	W-002685	09/21/10	0.019	6B						X			
SABATTUS	W-002624	11/07/11	0.120	6C			X			X			
SACO	W-002599	08/14/11	4.200	6D	X	X	X			X			
SANFORD	W-000870	04/23/13	8.800	5M	X	X	X		X	X			
SCARBOROUGH	W-002668	09/03/09	2.500	6D	X		X			X			

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**POTW WASTE DISCHARGE LICENSES AS OF DECEMBER 31, 2008  
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Location	License #	Exp. Date	Flow MGD	Type	Major	CSO	Tox	301(H)	Pre	Surf	Sub	Spray	Compliance Status
SEARSPORT	W-006279	11/12/13	0.200	6C				X		X			
SINCLAIR (SINCLAIR SEWER DISTRICT)	W-007814	04/18/11	0.042	6B								X	
SKOWHEGAN	W-002645	06/02/13	1.65	6D	X	X	X			X			
SORRENTO	W-002280	12/18/06	0.003	6A						X			
SOUTH BERWICK	W-002721	06/17/07	0.567	6C			X			X			
SOUTH PORTLAND	W-001370	04/23/09	9.300	5M	X	X	X		X	X			
SOUTHWEST HARBOR	W-002676	12/27/09	0.375	6C	X		X			X			
ST. AGATHA	W-002755	06/22/10	0.060	6B						X			SNC
STONINGTON	W-001475	03/14/08	0.175	6C				X		X			
THOMASTON	W-002643	04/11/08	0.900	6C	X		X			X		X	
UNITY	W-000478	07/27/12	0.500	6C			X			X			
VAN BUREN	W-002675	09/02/09	0.560	6C	X					X			
VASSALBORO-CEMETERY STREET FACILITY	W-008102	01/31/10	0.029	6B						X			
VASSALBORO-MAIN STREET FACILITY	W-002597	01/31/10	0.025	6B						X			
VASSALBORO-NORTH MAIN STREET FACILITY	W-008101	01/31/10	0.025	6B						X			



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**POTW WASTE DISCHARGE LICENSES AS OF DECEMBER 31, 2008  
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Location	License #	Exp. Date	Flow MGD	Type	Major	CSO	Tox	301(H)	Pre	Surf	Sub	Spray	Compliance Status
VEAZIE	W-002754	11/30/12	0.350	6C						X			
VINALHAVEN	W-008146	11/15/12	0.129	6C			X			X			
WALDOBORO	W-008114	03/11/13	0.150	6C								X	
WALLAGRASS PLT. (EAGLE LAKE WATER & SEWER DISTRICT)	W-007955	11/30/12	0.006	6A							X		
WARREN	W-007023	04/25/10	0.244	6C						X			
WASHBURN	W-007610	12/07/11	0.283	6C			X			X			
WATERVILLE (KENNEBEC SANITARY TREATMENT DISTRICT)	W-000687	05/06/09	12.700	5M	X	X	X		X	X			
WELLS	W-000653	09/23/09	2.000	6D	X		X			X			
WESTBROOK (PORTLAND WATER DISTRICT)	W-001510	12/22/11	4.54	6D	X	X	X		X	X			
WHITNEYVILLE-CANAL ROAD FACILITY	W-006551	02/22/10	0.002	6A						X			
WHITNEYVILLE- SCHOOL STREET FACILITY	W-008099	02/22/10	0.006	6A						X			
WILTON	W-002365	07/07/11	0.450	6C	X		X			X			

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**POTW WASTE DISCHARGE LICENSES AS OF DECEMBER 31, 2008  
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(SEE KEY TO COLUMN HEADINGS AT THE END OF THE APPENDIX)

Location	License #	Exp. Date	Flow MGD	Type	Major	CSO	Tox	301(H)	Pre	Surf	Sub	Spray	Compliance Status
WINSLOW	W-008204	08/17/09	-----	5T		X				X			
WINTER HARBOR	W-000562	12/07/10	0.125	6C			X			X			
WINTERPORT	W-001480	02/02/09	0.110	6C				X		X			SNC, EL
WISCASSET	W-000370	08/11/09	0.620	6C			X			X			
YARMOUTH	W-002644	12/19/11	1.310	6D	X		X			X			
YARMOUTH-SEA MEADOWS SUBDIVISION	W-002234	12/22/11	0.028	6B						X			
YORK	W-002687	05/31/11	3.000	6D	X		X			X			

	LICENSES	MEPDES	FLOW MGD		MAJOR	CSO	TOX	301(H)	PRE	SURF	SUB	SPRAY	COMPLIANCE STATUS
<b>TOTALS</b>	<b>164</b>	<b>138</b>	<b>214.7</b>		<b>60</b>	<b>38</b>	<b>87</b>	<b>11</b>	<b>13</b>	<b>140</b>	<b>11</b>	<b>16</b>	<b>EL=4    SNC=11</b>

**APPENDIX A**  
**POTW WASTE DISCHARGE LICENSES AS OF DECEMBER 31, 2008**

**KEY TO COLUMN HEADINGS**

<b>LOCATION</b>	Municipality in which discharge is located.
<b>LICENSE #</b>	DEP waste water discharge license number.
<b>EXP. DATE</b>	Expiration date of last DEP license issued for the facility.
<b>FLOW</b>	Monthly average discharge flow limit, in millions of gallons per day, as approved in last DEP license issued for the facility.
<b>TYPE</b>	Type code and base fee category for the facility: 6A POTWs, less than 10,000 GPD, with no significant industrial waste 6B POTWs, 10,000 GPD to 100,000 GPD, with no significant industrial waste 6C POTW, 100,000 GPD to 1 million GPD, with no significant industrial waste 6D POTW, 1 million GPD to 5 million GPD, with no significant industrial waste 5M POTW, over 5 million GPD or with significant industrial waste 5T Municipal combined sewer overflow (CSO)
<b>MAJOR</b>	Major discharge facility.
<b>CSO</b>	Facility includes combined sewer overflow (CSO) discharge.
<b>TOX</b>	Facility is subject to toxics testing.
<b>301(h)</b>	301(h) waiver facility, primary treatment only.
<b>PRE</b>	Facility influent is subject to pre-treatment requirements.
<b>SURF</b>	Facility discharges to surface water.
<b>SUB</b>	Facility discharges through subsurface system.
<b>SPRAY</b>	Facility discharges through spray irrigation (i.e., land application) system.
<b>COMPLIANCE STATUS</b>	Indicates if the facility was in Significant Non Compliance (SNC) or Exceptions List (EL) during the year. A blank space in this column indicates Substantial Compliance. For those facilities that were in SNC or EL a summary of the non compliance can be found in Appendices D and E.

- NOTES**
1. Two licenses are for the discharge of treated landfill leachate. One facility (Brunswick) discharges to surface water, while the other facility (Presque Isle) discharges through a land application system.
  2. Two licenses (Milbridge and Brownville) are for both surface water and subsurface discharges.
  3. Five licenses (Jackman, Mars Hill, North Berwick, Norway, and Thomaston) are limited to a seasonal surface water discharge. Thomaston is also licensed for a seasonal land application discharge.
  4. All land application discharges are seasonal, except for Carrabassett, Greenville, Mapleton and Rangeley, which are licensed to discharge “snowfluent” during the winter.
  5. One license (Houlton) is for the discharge of sludge lagoon supernatant through a land application system.
  6. All type 5T licenses are for “stand alone” CSO facilities (that is, facilities that are not licensed as part of a municipal primary or secondary treatment facility).

**APPENDIX B  
NON-POTW WASTE DISCHARGE LICENSES AS OF DECEMBER 31, 2008\*  
SORTED BY LOCATION**

(SEE KEY TO COLUMN HEADINGS AT THE END OF THE APPENDIX)

Location	Licensee	License #	Exp. Date	Type	Major	Tox	Surf	Sub	Spray	Comments	Compliance Status
ANSON	MADISON PAPER INDUSTRIES	W-008062	04/01/09	5R			X			ANSON HYDRO PROJECT; 108,000 GPD NON-CONTACT COOLING WATER	
AUBURN	PIONEER PLASTICS	W-007876	12/11/11	5S		X	X			PLASTICS MANUFACTURER; 1.2 MGD NON-CONTACT COOLING WATER	
AUGUSTA	DEPT. OF INLAND FISHERIES & WILDLIFE	W-002034	07/05/11	6F			X			GOVERNOR HILL FISH HATCHERY; 1.2 MGD PROCESS WATER DISCHARGE	SNC
AVON	DUNHAM'S PURE WATER HATCHERY	W-008105	10/18/10	6F			X			COMMERCIAL FISH HATCHERY; 0.5 MGD PROCESS WATER DISCHARGE	
BAILEYVILLE	DOMTAR MAINE CORP.	W-008072	04/01/09	5R			X			WOODLAND HYDRO PROJECT; 194,000 GPD NON-CONTACT COOLING WATER	
BAILEYVILLE	DOMTAR MAINE CORP.	W-008073	04/01/09	5R			X			GRAND FALLS HYDRO PROJECT; 100,000 GPD NON-CONTACT COOLING WATER	
BAILEYVILLE (WOODLAND)	DOMTAR MAINE CORPORATION	W-002766	05/31/10	5N	X	X	X			KRAFT PULP AND PAPER MILL; 40 MGD PROCESS WATER, SANITARY WASTE WATER, LANDFILL LEACHATE & STORM WATER DISCHARGES; 5.6 MGD COOLING & MISC STORM WATER DISCHARGE	

**APPENDIX B  
NON-POTW WASTE DISCHARGE LICENSES AS OF DECEMBER 31, 2008\*  
SORTED BY LOCATION**

(SEE KEY TO COLUMN HEADINGS AT THE END OF THE APPENDIX)

Location	Licensee	License #	Exp. Date	Type	Major	Tox	Surf	Sub	Spray	Comments	Compliance Status
BAILEYVILLE (WOODLAND)	LOUISIANA PACIFIC CORPORATION	W-000508	09/03/13	5R			X			STUD MILL AND ORIENTED STRAND BOARD MILL; 15 MGD NON-CONTACT COOLING WATER; 160,000 GPD BOILER BLOWDOWN, SOFTENER BACKWASH & COOLING WATERS	
BALDWIN	FPL ENERGY MAINE HYDRO	W-000582	09/22/13	5R			X			HIRAM HYDRO PROJECT; 203,000 GPD NON- CONTACT COOLING WATER	
BANGOR	WEBBER OIL COMPANY	W-000767	04/25/10	5S			X			FUEL OIL TERMINAL/TRANSFER FACILITY; STORM WATER DISCHARGE	
BAR HARBOR	TOWN OF BAR HARBOR	W-001719	03/19/12	5V			X			SNOW DUMP; DISCHARGE TO TIDEWATER	
BATH	BATH IRON WORKS	W-000671	06/06/11	5R			X			SHIP BUILDING FACILITY; 0.84 MGD NON- CONTACT COOLING WATER; MISC. DRY DOCK & SHIP DISCHARGES; AND SNOW DUMP DISCHARGE TO TIDEWATER	
BATH	CITY OF BATH	W-007696	09/23/09	5V			X			SNOW DUMP; DISCHARGE TO TIDEWATER	
BEALS	CARVER SHELLFISH INC.	W-007803	12/27/09	5P			X			CLAM PROCESSING FACILITY; 5000 GPD PROCESS WATER DISCHARGE	

**APPENDIX B**  
**NON-POTW WASTE DISCHARGE LICENSES AS OF DECEMBER 31, 2008\***  
**SORTED BY LOCATION**

(SEE KEY TO COLUMN HEADINGS AT THE END OF THE APPENDIX)

Location	Licensee	License #	Exp. Date	Type	Major	Tox	Surf	Sub	Spray	Comments	Compliance Status
BEALS	MAINE COAST NORDIC	W-008194	03/30/09	6G			X			SALMON AQUACULTURE FACILITY (SPECTACLE ISLAND SITE)	
BEALS	MAINE COAST NORDIC	W-008187	03/30/09	6G			X			SALMON AQUACULTURE FACILITY (SAND COVE SITE)	
BELFAST	PENOBSCOT McCRUM LLC	W-004897	10/17/12	5O			X			POTATO PROCESSING FACILITY; 100,000 GPD PROCESS WATER DISCHARGE; 75,000 GPD NON-CONTACT COOLING WATER DISCHARGE	
BELGRADE	PAT JACKSON INC.	W-008019	04/08/09	5J					X	DISCHARGE OF TREATED SEPTAGE EFFLUENT	
BIDDEFORD	BIDDEFORD AND SACO WATER COMPANY	W-002545	08/12/10	5S			X			DRINKING WATER TREATMENT FACILITY; 150,000 GPD FILTER BACKWASH WATER DISCHARGE	
BIDDEFORD	MAINE ENERGY RECOVERY COMPANY	W-006163	11/06/13	5R			X			WASTE-TO-ENERGY INCINERATOR; 93.6 MGD NON-CONTACT COOLING WATER	
BIDDEFORD	UNIVERSITY OF NEW ENGLAND	W-008109	12/02/09	6F			X			MARINE SCIENCE AND RESEARCH CENTER; 0.72 MGD TREATED MARINE LAB AND MARINE MAMMAL REHABILITATION CENTER WASTE WATER	
BIDDEFORD	WESTPOINT HOMES, INC.	W-002790	11/06/11	5R			X			TEXTILE MILL; 110,000 GPD NON-CONTACT COOLING WATER	

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NON-POTW WASTE DISCHARGE LICENSES AS OF DECEMBER 31, 2008\*  
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Location	Licensee	License #	Exp. Date	Type	Major	Tox	Surf	Sub	Spray	Comments	Compliance Status
BIG MOOSE TWP.	MOOSEHEAD MOUNTAIN RESORT INC.	W-008148	12/17/12	5J					X	COMMERCIAL SKI AREA; 7,000 GPD SANITARY WASTE WATER DISCHARGE	
BINGHAM	STOLT SEA FARM, INC.	W-007577	04/06/10	6F			X			COMMERCIAL SALMON; 11.25 MGD PROCESS WASTE WATER DISCHARGE	
BOOTHBAY	VACATIONLAND DEVELOPMENT, INC.	W-003240	05/12/10	5J					X	COMMERCIAL CAMP GROUND; 5200 GPD SANITARY WASTE WATER DISCHARGE	
BOOTHBAY HARBOR	TOWN OF BOOTHBAY HARBOR	W-007938	01/16/12	5V			X			SNOW DUMP; DISCHARGE TO TIDEWATER	
BREWER	TOWN & COUNTRY MOBILE HOME PARK	W-003601	04/27/10	5J					X	COMMERCIAL TRAILER PARK; 8,500 GPD SANITARY WASTE WATER DISCHARGE	
BRIDGTON	THE WILDWOOD CORP. (D/B/A CAMP WILDWOOD)	W-007708	06/09/13	5J					X	COMMERCIAL CAMP GROUND; 40,725 GPD SANITARY WASTE WATER DISCHARGE	
BRIDGTON	WINONA CAMPS INC.	W-006784	06/13/12	5J					X	COMMERCIAL CAMP GROUND; 10,000 GPD SANITARY WASTE WATER DISCHARGE	
BRUNSWICK	BRUNSWICK-TOPSHAM WATER DISTRICT	W-002631	11/13/13	5S			X			DRINKING WATER TREATMENT FACILITY; 40,000 GPD FILTER BACKWASH DISCHARGE	EL

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BRUNSWICK	FPL ENERGY MAINE HYDRO	W-000571	09/22/13	5R			X			BRUNSWICK HYDRO PROJECT; 586,000 GPD NON-CONTACT COOLING WATER	
BRUNSWICK	PAUL'S MARINA	W-008209	08/30/09	5Z				X		EXPERIMENTAL TREATMENT SYSTEM; 450 GPD BOAT WASHWATER DISCHARGE FROM COMMERCIAL MARINA	
BUCKSPORT	C.H. SPRAGUE & SON, INC.	W-002563	04/14/09	5S			X			FUEL OIL TERMINAL/TRANSFER FACILITY; STORM WATER DISCHARGE	
BUCKSPORT	VERSO ANDROSCOGGI N LLC	W-000598	11/02/09	5N	X	X	X			PULP AND PAPER MILL (FORMERLY CHAMPION); 18 MGD PROCESS WATER DISCHARGE; 72.0 MGD COOLING WATER DISCHARGE	
BUCKSPORT	WEBBER TANKS, INC.	W-002566	04/25/10	5S			X			FUEL OIL TERMINAL/TRANSFER FACILITY; STORM WATER DISCHARGE	
BUXTON	FPL ENERGY MAINE HYDRO	W-000578	09/22/13	5R			X			SKELTON HYDRO PROJECT; 859,000 GPD NON-CONTACT COOLING WATER	
CAMDEN	TOWN OF CAMDEN	W-007822	10/28/10	5V			X			SNOW DUMP; DISCHARGE TO TIDWATER	
CARIBOU	LORING DEVELOPMENT AUTHORITY	W-007926	06/14/09	5S			X			DRINKING WATER TREATMENT FACILITY; 8,000 GPD FILTER BACKWASH DISCHARGE	



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CARIBOU	WPS NEW ENGLAND GENERATION, INC.	W-000638	11/12/09	5R			X			CARIBOU GENERATING STATION; 31 MGD NON-CONTACT COOLING WATER & MISC. DISCHARGES	
CASCO	DEPT. OF INLAND FISHERIES & WILDLIFE	W-002038	05/08/11	6F			X			CASCO FISH HATCHERY; 2.9 MGD PROCESS WASTE WATER DISCHARGE	SNC
CHERRYFIELD	CHERRYFIELD FOODS, INC.	W-006234	09/28/09	5P			X		X	BLUEBERRY PROCESSING FACILITY; 0.1 MGD PROCESS WATER DISCHARGE; 0.27 MGD NON-CONTACT COOLING WATER DISCHARGE	
CHERRYFIELD	JASPER WYMAN & SONS	W-000645	10/21/09	5P			X		X	BLUEBERRY PROCESSING FACILITY; 0.1 MGD PROCESS WATER DISCHARGE; 0.27 MGD NON-CONTACT COOLING WATER DISCHARGE	SNC
CLINTON	FLOOD BROTHERS INC.	W-009024	10/30/13	5S			X			CONCENTRATED ANIMAL FEEDING OPERATIONS (CAFO); STORMWATER AND PROCESS WASTE WATER	
CUTLER	ATLANTIC SALMON OF MAINE LLC	W-009005	04/10/12	6G			X			SALMON AQUACULTURE FACILITY (CROSS ISLAND SITE)	
CUTLER	MAINE COAST NORDIC	W-008192	03/30/09	6G			X			SALMON AQUACULTURE FACILITY (CUTLER HARBOR SITE)	

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CUTLER	MAINE COAST NORDIC	W-008188	03/30/09	6G			X			SALMON AQUACULTURE FACILITY (CUTLER NORTH SITE)	
CUTLER	US NAVY- NAVAL COMMUNICATIO N UNIT	W-003318	12/29/10	5R			X			ELECTRICAL GENERATING PLANT; 1.584 MGD NON- CONTACT COOLING WATER; MISC. STORMWATER, BOILER BLOWDOWN AND CONTACT COOLING WATER DISCHARGES	
DAMARISCOTTA	LAKE PEMAQUID INC.	W-003271	09/15/13	5J					X	COMMERCIAL CAMP GROUND; 67,900 GPD SANITARY WASTE WATER DISCHARGE	
DAMARISCOTTA	TOWN OF DAMARISCOTT A	W-009007	05/08/12	5V			X			SNOW DUMP; DISCHARGE TO TIDEWATER	
DEBLOIS	JASPER WYMAN & SONS	W-007847	03/19/12	5P			X		X	BLUEBERRY PROCESSING FACILITY; 148,000 GPD PROCESS WATER AND STORM WATER DISCHARGES	
DENMARK	WYONEGONIC CAMPS	W-007602	06/14/12	5J					X	COMMERCIAL CAMP GROUND; 7000 GPD SANITARY WASTE WATER DISCHARGE	
DIXMONT	COUNTRY ACRE FARM	W-008243	08/15/11	5S			X			CONCENTRATED ANIMAL FEEDING OPERATION (CAFO); STORMWATER & PROCESS WASTE WATER	

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DOVER-FOXCROFT	DOVER-FOXCROFT WATER DISTRICT	W-007330	05/21/13	5S			X			DRINKING WATER TREATMENT FACILITY; 15,000 GPD FILTER BACKWASH DISCHARGE	
EAST MACHIAS	PHOENIX SALMON U.S., INC.	W-007149	10/15/09	6F			X			COMMERCIAL SALMONID HATCHERY (GARDINER LAKE); 10.08 MGD PROCESS WATER DISCHARGE	
EAST MILLINOCKET	GREAT LAKES HYDRO AMERICA, LLC	W-008076	03/09/09	5R			X			EAST MILLINOCKET HYDRO PROJECT; 30,240 GPD NON-CONTACT COOLING WATER	
EAST MILLINOCKET	GREAT LAKES HYDRO AMERICA, LLC	W-008077	03/09/09	5R			X			DOLBY HYDRO PROJECT; 364,320 GPD NON-CONTACT COOLING WATER	
EAST MILLINOCKET	KATAHDIN PAPER, LLC	W-002228	03/28/95	5N	X	X	X			PULP AND PAPER MILL; 33 MGD PROCESS WATER & MUNICIPAL WASTE WATER DISCHARGE; 26 MGD NON-CONTACT COOLING WATER DISCHARGE; MISC. FILTER BACKWASH AND FLOOR DRAIN DISCHARGES	
EASTPORT	HERITAGE SALMON INC.	W-008190	03/30/09	6G			X			SALMON AQUACULTURE FACILITY (BROAD COVE SITE)	
EASTPORT	L.R. ENTERPRISES INC	W-008186	03/30/09	6G			X			SALMON AQUACULTURE FACILITY (TREATS ISLAND SITE)	

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Location	Licensee	License #	Exp. Date	Type	Major	Tox	Surf	Sub	Spray	Comments	Compliance Status
EASTPORT	STOLT SEA FARM MAINE INC.	W-008181	03/30/09	6G			X			SALMON AQUACULTURE FACILITY (PRINCE COVE SITE)	
EASTPORT	STOLT SEA FARM MAINE INC.	W-008198	04/06/09	6G			X			SALMON AQUACULTURE FACILITY (JOHNSON COVE SITE)	
ELIOT	AUTOWASH INC.	W-008225	10/21/10	5S				X		COMMERCIAL CAR WASH	
ELLSWORTH	GREEN LAKE NATIONAL FISH HATCHERY	W-000721	02/06/09	6F			X			FEDERAL SALMONID HATCHERY; 19.4 MGD PROCESS WATER DISCHARGE	
ELLSWORTH	STANLEY PATTEN POND LLC	W-003294	12/28/11	5J					X	COMMERCIAL CAMP GROUND; 15,000 GPD SANITARY WASTE WATER DISCHARGE	
ELLSWORTH	PENOBSCOT HYDRO, LLC	W-008065	04/01/09	5R			X			ELLSWORTH HYDRO PROJECT; 200,160 GPD NON-CONTACT COOLING WATER	
EMBDEN	DEPT. OF INLAND FISHERIES & WILDLIFE	W-002029	01/30/11	6F			X			ELA FISH REARING STATION; 4.75 MGD PROCESS WATER DISCHARGE	SNC
EMBDEN	FPL ENERGY MAINE HYDRO	W-000574	09/22/13	5R			X			WILLIAMS HYDRO PROJECT; 504,000 GPD NON-CONTACT COOLING WATER	
ENFIELD	BANGOR-PACIFIC HYDRO ASSOCIATES	W-007529	04/01/09	5R			X			WEST ENFIELD HYDRO PROJECT; 403,200 GPD NON-CONTACT COOLING WATER	

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ENFIELD	DEPT. OF INLAND FISHERIES & WILDLIFE	W-002032	03/31/11	6F			X			COBB STATE FISH HATCHERY; 4.75 MGD PROCESS WATER DISCHARGE	SNC, EL
ENFIELD	INDECK POWER OVERSEAS LTD.	W-006116	07/26/10	5S			X			WOOD FIRED GENERATING FACILITY; 150,000 GPD COOLING TOWER BLOWDOWN WATER; 36,000 GPD FILTER BACKWASH WATER; 1,000 GPD BUILDING DRAIN WATER, SUMP WATER & STORMWATER DISCHARGES	
EUSTIS	RIDGEWOOD MAINE HYDRO PARTNERS	W-008080	04/01/09	5R			X			EUSTIS HYDRO PROJECT; 7,200 GPD NON-CONTACT COOLING WATER	
FAIRFIELD	S. D. WARREN-SOMERSET PLANT	W-000385	09/12/08	5N	X	X	X			KRAFT PULP AND PAPER MILL; 46.5 MGD DISCHARGE OF PROCESS WATER, SANITARY WASTE WATER, NON-CONTACT COOLING WATER, TREATED LANDFILL LEACHATE WATER, AND TREATED RESIDUALS STORAGE PAD LEACHATE WATER	

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FORT FAIRFIELD	BORALEX FORT FAIRFIELD, INC.	W-007365	06/16/11	5O			X			WOOD FIRED GENERATING FACILITY; 68,160 GPD NON-CONTACT COOLING WATER, BOILER BLOWDOWN WATER, WATER TREATMENT & ION EXCHANGE BACKWASH WATER	
FORT FAIRFIELD	PINELAND FARMS NATURAL MEATS INC	W-009002	05/21/12	5S			X			CONCENTRATED ANIMAL FEEDING OPERATION (CAFO); STORMWATER & PROCESS WASTE WATER	
FORT FAIRFIELD	TRI-COMMUNITY RECYCLING & SANITARY LANDFILL	W-008246	05/17/12	5J					X	750,000 GPY DISCHARGE FROM SEPTAGE DEWATERING OPERATION	
FRANKLIN	AGVEST INC.	W-007755	10/15/09	5P					X	BLUEBERRY PROCESSING FACILITY; PROCESS WATER DISCHARGE	
FRANKLIN	UNIVERSITY OF MAINE— CENTER FOR COOPERATIVE AQUACULTURAL RESEARCH	W-007642	06/01/10	6F			X			AQUACULTURE RESEARCH FACILITY; 1.27 MGD PROCESS WATER DISCHARGE	
FRENCHBORO	ISLAND AQUACULTURE COMPANY INC.	W-008199	05/26/09	6G			X			SALMON AQUACULTURE FACILITY (BLACK ISLAND SITE)	
FRENCHVILLE	MOUNTAIN SPRINGS TROUT FARM	W-008125	04/25/10	6F			X			FISH HATCHERY; 0.65 MGD PROCESS WATER DISCHARGE	

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GARDINER	GARDINER WATER DISTRICT	W-000953	05/21/13	5S			X			DRINKING WATER TREATMENT FACILITY; 20,000 GPD FILTER BACKWASH DISCHARGE	
GARDINER	RIDGEWOOD MAINE HYDRO PARTNERS	W-008081	04/02/09	5R			X			AMERICAN TISSUE HYDRO PROJECT; 7,200 GPD NON-CONTACT COOLING WATER	
GOULDSBORO	BUMBLE BEE SEAFOODS, LLC	W-000791	03/09/12	5P			X			SARDINE PACKING FACILITY; 272,000 GPD PROCESS WATER DISCHARGE	SNC
GRAND LAKE STREAM PLT.	DEPT. OF INLAND FISHERIES & WILDLIFE	W-002037	08/01/11	6F			X			GRAND LAKE STREAM FISH HATCHERY; 2.9 MGD PROCESS WATER DISCHARGE	EL
GRAY	DEPT. OF INLAND FISHERIES & WILDLIFE	W-002031	06/06/11	6F			X			DRY MILLS FISH HATCHERY; 1.92 MGD PROCESS WATER DISCHARGE	SNC
HAMPDEN	COLD BROOK ENERGY	W-000563	11/06/11	5S			X			FUEL OIL TERMINAL/TRANSFER FACILITY; STORM WATER DISCHARGE	
HANCOCK	HANCOCK FOODS	W-003145	10/15/09	5P			X		X	BLUEBERRY PROCESSING FACILITY; 0.025 MGD PROCESS WATER DISCHARGE	
HANCOCK	MERRILL BLUEBERRY FARMS	W-007792	10/26/09	5P					X	BLUEBERRY PROCESSING FACILITY; 72,000 GPD PROCESS WATER DISCHARGE	

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HARRISON	RODERICK DYER	W-008124	02/28/12	5J				X		1800 GPD TREATED SEPTAGE LEACHATE DISCHARGE	
HARTLAND	IRVING TANNING COMPANY	W-001915	06/05/09	5R			X			LEATHER TANNING FACILITY; 500,000 GPD NON-CONTACT COOLING WATER	
HERMON	HERMON CAR WASH	W-008234	06/26/11	5S				X		COMMERCIAL CAR WASH; 1,000 GPD WASH WATER DISCHARGE	EL
HERMON	HERMON PARK LLC	W-007690	12/20/12	5J					X	COMMERCIAL TRAILER PARK; 4,500 GPD SANITARY WASTE WATER DISCHARGE	
HOLLIS	FPL ENERGY MAINE HYDRO	W-000581	09/22/13	5R			X			BAR MILLS HYDRO PROJECT; 67,000 GPD NON-CONTACT COOLING WATER	
HOLLIS	PIERCE ASSOCIATES INC.	W-008127	03/29/12	6F			X			COMMERCIAL FISH HATCHERY; 1.5 MGD PROCESS WASTE WATER	
HOULTON	TATE & LYLE INGREDIENTS AMERICANS INC.	W-000940	06/17/13	5N	X	X	X		X	STARCH PROCESSING FACILITY; 0.04 MGD PROCESS WATER DISCHARGE; 0.05 MGD NON-CONTACT COOLING WATER DISCHARGE	SNC
HOWLAND	PPL MAINE LLC	W-008064	04/01/09	5R			X			HOWLAND HYDRO PROJECT; 1,440 GPD NON-CONTACT COOLING WATER	



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INDIAN STREAM TWP.	FPL ENERGY MAINE HYDRO	W-000572	09/22/13	5R			X			INDIAN POND HYDRO PROJECT; 3.89 MGD NON-CONTACT COOLING WATER	
ISLAND FALLS	NATIONAL STARCH & CHEMICAL CO.	W-002620	07/25/12	5O		X	X			STARCH MANUFACTURING FACILITY; 0.12 MGD PROCESS WATER DISCHARGE	
JAY	VERSO ANDROSCOGGIN LLC	W-000623	09/21/10	5N	X	X	X			KRAFT PULP AND PAPER MILL; 51 MGD DISCHARGE OF PROCESS WATER, SANITARY WASTE WATER, CONTACT AND NON-CONTACT COOLING WATERS, LANDFILL LEACHATE, AND STORMWATER	
JONESBORO	MAINE WILD BLUEBERRY CO.	W-008236	07/26/11	5P					X	BLUEBERRY PROCESSING FACILITY; PROCESS WATER DISCHARGE	
JONESPORT	MOOSABEC MUSSELS, INC.	W-008152	07/03/13	5P			X			SHELLFISH PROCESSING FACILITY; 32,000 GPD PROCESS WATER DISCHARGE	
KENDUSKEAG	PAUL PRAY D/B/A COUNTRY MOBILE HOME PARK	W-003618	12/31/07	5J					X	COMMERCIAL MOBILE HOME PARK; 8700 GPD SANITARY WASTE WATER DISCHARGE	

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KINGFIELD	TOWN OF KINGFIELD	W-009017	07/29/13	5S				X		DRINKING WATER BOTTLING FACILITY; 50,000 GPD PROCESS WASTE WATER, PLUS BOILER BLOWDOWN AND NON-CONTACT COOLING WATERS	
KITTERY	PORTSMOUTH NAVAL SHIPYARD	W-003445	05/05/11	5R			X			SUBMARINE REPAIR & OVERHAUL FACILITY; 33 MGD NON-CONTACT CONDENSER & COMPRESSOR COOLING WATER; MISC. DRY DOCK DEWATERING WATER & STORMWATER DISCHARGES	SNC
LEWISTON	FPL ENERGY MAINE HYDRO	W-007658	09/22/13	5R			X			LEWISTON FALLS HYDRO PROJECT; 700,000 GPD NON-CONTACT COOLING WATER	
LIMERICK	LEDGEMERE HYDRO, LLC	W-008059	02/24/09	5R			X			LEDGEMERE HYDRO PROJECT; 22,320 GPD NON-CONTACT COOLING WATER	
LINCOLN	LINCOLN PAPER AND TISSUE	W-000381	01/23/02	5N	X	X	X			KRAFT PULP AND PAPER MILL; 16.3 MGD PROCESS WATER; 3.0 MGD NON-CONTACT COOLING WATER	
LINCOLN PLT.	AZISCOHOS HYDRO COMPANY	W-007582	10/26/09	5R			X			AZISCOHOS HYDRO PROJECT; 270,000 GPD NON-CONTACT COOLING WATER	

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LISBON	KNIGHT-CELOTEX LLC	W-002520	03/09/10	5S			X			FIBER BOARD MANUFACTURING FACILITY; 3.0 MGD NON-CONTACT COOLING WATER	
LISBON	MAINE ELECTRONICS	W-007759	08/17/09	5S		X	X			DECOMMISSIONED CIRCUIT BOARD MANUFACTURING FACILITY; 79,000 GPD DISCHARGE FROM DEP-APPROVED GROUNDWATER REMEDIATION PROJECT	
LISBON	MILLER HYDRO GROUP	W-007590	04/01/09	5R			X			WORUMBO HYDRO PROJECT; 1.015 MGD NON-CONTACT COOLING WATER	
LISBON	MILLER INDUSTRIES, INC.	W-001820	06/22/10	5R			X			WORUMBO TEXTILE MILL; 50,000 GPD NON-CONTACT COOLING WATER	
LIVERMORE FALLS	VERSO ANDROSCOGGIN LLC	W-008067	06/14/09	5R			X			OTIS HYDRO PROJECT; 14,400 GPD NON-CONTACT COOLING WATER	
LIVERMORE FALLS	BORALEX LIVERMORE FALLS LP	W-007705	12/13/11	5O			X			WOOD FIRED GENERATION FACILITY; 175,000 GPD COOLING TOWER BLOWDOWN WATER AND MISC. PROCESS WATER & STORMWATER DISCHARGES	

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LUBEC	ISF TRADING COMPANY	W-008161	12/01/13	5P			X			SEA CUCUMBER PROCESSING FACILITY; 8,000 GPD PROCESS WATER DISCHARGE	
LUBEC	STOLT SEA FARM MAINE INC.	W-008183	03/29/09	6G			X			SALMON AQUACULTURE FACILITY (ROGERS ISLAND NORTH SITE)	
LUBEC	STOLT SEA FARM MAINE INC.	W-008184	03/30/09	6G			X			SALMON AQUACULTURE FACILITY (BOOTH SITE)	
LYMAN	WINTERWOOD FARM LLC	W-008250	09/08/13	5O					X	COMMERCIAL COMPOSTING FACILITY; DISCHARGE OF LEACHATE	
MACHIAS	MAINE WILD BLUEBERRY CO.	W-006137	10/26/11	5R			X			BLUEBERRY PROCESSING FACILITY; 70,000 GPD NON-CONTACT COOLING WATER	
MACHIASPORT	ATLANTIC SALMON OF MAINE	W-007951	11/29/12	5P			X			SALMON PROCESSING FACILITY; 0.021 MGD PROCESS WATER DISCHARGE	
MADAWASKA	FRASER PAPER	W-002727	08/17/09	5N	X	X	X			PULP AND PAPER MILL; 15 MGD DISCHARGE OF PROCESS WATER, LANDFILL LEACHATE WATER, NON-CONTACT COOLING WATER, FILTER BACKWASH WATER, AND STORMWATER	
MADAWASKA	MADAWASKA WATER DISTRICT	W-002562	11/14/89	5S			X			DRINKING WATER TREATMENT FACILITY; 30,000 GPD FILTER BACKWASH DISCHARGE	

**APPENDIX B  
NON-POTW WASTE DISCHARGE LICENSES AS OF DECEMBER 31, 2008\*  
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Location	Licensee	License #	Exp. Date	Type	Major	Tox	Surf	Sub	Spray	Comments	Compliance Status
MADISON	MADISON PAPER INDUSTRIES	W-008063	06/22/12	5R			X			ABENAKI HYDRO PROJECT; 155,000 GPD NON-CONTACT COOLING WATER	
MADISON	MADISON PAPER INDUSTRIES	W-002006	05/24/11	5S			X			PULP & PAPER MILL; 10.8 MGD VACUUM SEAL AND NON-CONTACT COOLING WATER; 2.0 FILTER BACKWASH DISCHARGE	
MARS HILL	FRESHWAY, INC. D/B/A NATURALLY POTATOES INC.	W-007949	12/22/09	5P					X	POTATO PROCESSING FACILITY; PROCESS WASTE WATER DISCHARGE	
MARS HILL	J&D MCCRUM FARM	W-008230	09/06/11	5P					X	POTATO PROCESSING FACILITY; PROCESS WASTE WATER DISCHARGE	
MASARDIS	WPS NEW ENGLAND GENERATION	W-008069	10/26/09	5R			X			SQUA PAN HYDRO PROJECT; 4,800 GPD NON-CONTACT COOLING WATER	
MATTAWAM-KEAG	GREAT LAKES HYDRO AMERICA, LLC	W-008075	03/09/09	5R			X			MATTACEUNK HYDRO PROJECT; 144,000 GPD NON-CONTACT COOLING WATER	
MEXICO	TOWN OF MEXICO	W-009092	12/29/13	5V				X		SNOW DUMP; DISCHARGE TO MAPPED SAND AND GRAVEL ACQUIFER	
MILBRIDGE	LAWRENCE RAY FISHING INDUSTRIES	W-007894	07/12/12	5P			X			SEA CUCUMBER PROCESSING FACILITY; 15,000 GPD PROCESS WATER	

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MILFORD	DAAQUAM MAINE INC.	W-002525	10/14/09	5O			X			COSTIGAN SAWMILL; 9,000 GPD NON-CONTACT COOLING WATER DISCHARGE	
MILFORD	PPL MAINE LLC	W-002570	04/01/09	5R			X			MILFORD HYDRO PROJECT; 18,000 GPD NON-CONTACT COOLING WATER	
MILLINOCKET	KATAHDIN PAPER, LLC	W-002227	08/01/99	5N	X	X	X			PULP AND PAPER MILL; 43 MGD PROCESS WATER DISCHARGE; 85 MGD NON-CONTACT CONDENSER COOLING WATER DISCHARGE; 15 MGD BEARING AND PUMP COOLING WATER DISCHARGE; MISC. STORMWATER DISCHARGE	
MONMOUTH	TEX-TECH INDUSTRIES	W-000631	06/23/09	5R			X			TEXTILE MILL; 85,000 GPD NON-CONTACT COOLING WATER	
MOOSEHEAD JCT. TWP.	AQUA MAINE INC.	W-008087	11/19/09	5S				X		DRINKING WATER TREATMENT FACILITY; 2,500 GPD FILTER BACKWASH DISCHARGE	
MOSCOW	FPL ENERGY MAINE HYDRO	W-000573	09/22/13	5R			X			WYMAN HYDRO PROJECT; 573,000 GPD NON-CONTACT COOLING WATER	

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MOUNT VERNON	COASTAL CAMPS INC (D/B/A CAMP LAUREL)	W-003269	12/20/12	5J					X	COMMERCIAL CAMP GROUND; 15,000 GPD SANITARY WASTE WATER DISCHARGE	
NEW GLOUCESTER	DEPT. OF INLAND FISHERIES & WILDLIFE	W-002030	07/05/11	6F			X			NEW GLOUCESTER FISH REARING PONDS; 3.0 MGD PROCESS WATER DISCHARGE	SNC, EL
NEW SHARON	AAA INTERSTATE SEPTIC SERVICES INC.	W-009012	12/06/12	5J					X	DISCHARGE OF TREATED SEPTAGE EFFLUENT	
NEW SHARON	NEW SHARON WATER DISTRICT	W-007693	06/29/09	5S			X			DRINKING WATER TREATMENT FACILITY; 6,000 GPD FILTER BACKWASH DISCHARGE	
NORTH BERWICK	UNITED TECHNOLOGIES/PRATT & WHITNEY	W-002749	12/21/12	5N	X	X	X			JET ENGINE PARTS MANUFACTURER; 50,000 GPD PROCESS WATER DISCHARGE	
NORTH HAVEN	TOWN OF NORTH HAVEN	W-008142	06/15/12	5S			X			DRINKING WATER TREATMENT FACILITY; 2000 GPD FILTER BACKWASH DISCHARGE	
OAKLAND	MESSALONSKES STREAM HYDRO LLC	W-000577	02/24/09	5R			X			RICE RIPS (M3) HYDRO PROJECT; 26,900 GPD NON-CONTACT COOLING WATER	
OAKLAND	MESSALONSKES STREAM HYDRO LLC	W-000585	02/24/09	5R			X			OAKLAND (M2) HYDRO PROJECT; 48,000 GPD NON-CONTACT COOLING WATER	

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Location	Licensee	License #	Exp. Date	Type	Major	Tox	Surf	Sub	Spray	Comments	Compliance Status
OLD TOWN	RED SHIELD ENVIRONMENTAL LLC	W-002226	08/06/07	5N	X	X	X			KRAFT PULP AND PAPER MILL; 24.4 MGD DISCHARGE OF PROCESS WATER AND TREATED LANDFILL LEACHATE WATER; NON-CONTACT COOLING WATER, MISC. FILTER BACKWASH AND HYDRO STATION COOLING WATER DISCHARGES	
OLD TOWN	OLD TOWN WATER DISTRICT	W-007706	06/14/09	5S			X			DRINKING WATER TREATMENT FACILITY; 95,000 GPD FILTER BACKWASH DISCHARGE	
OLD TOWN	PPL GREAT WORKS, LLC	W-008068	04/01/09	5R			X			GREAT WORKS HYDRO PROJECT; 88,560 GPD NON-CONTACT COOLING WATER	
ORLAND	LETTS RELAX INC. (D/B/A/ BALSAM COVE CAMPGROUND )	W-007874	08/13/12	5J					X	COMMERCIAL CAMP GROUND; 3000 GPD SANITARY WASTE WATER DISCHARGE	
ORLAND	CRAIG BROOK NATIONAL FISH HATCHERY	W-001285	11/19/09	6F			X			FEDERAL SALMONID HATCHERY; 3.5 MGD PROCESS WATER DISCHARGE	SNC, EL
ORLAND	G.M. ALLEN & SONS	W-007791	10/26/09	5P					X	BLUEBERRY PROCESSING FACILITY; 67,880 GPA PROCESS WATER DISCHARGE	



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ORONO	ORONO-VEAZIE WATER DISTRICT	W-007954	08/05/09	5S			X			DRINKING WATER TREATMENT FACILITY; 92,000 GPD FILTER BACKWASH DISCHARGE	SNC
ORONO	UNIVERSITY OF MAINE	W-008153	06/02/13	5S			X			30,000 GPD FILTER BACKWASH DISCHARGE FROM UNIVERSITY SWIMMING POOL	
ORRINGTON	HOLTRACHEM MANUFACTURING Co.	W-001048	12/31/03	5N	X		X			CHLORINE MANUFACTURING FACILITY; 0.15 MGD PROCESS WATER DISCHARGE	SNC, EL
ORRINGTON	PENOBSCOT ENERGY RECOVERY Co.	W-006893	06/29/09	5O			X			REFUSE FIRED GENERATING FACILITY; 22,500 GPD NON-CONTACT COOLING WATER; BOILER BLOWDOWN WATER, MISC. PROCESS WATERS	
OXFORD	ROBINSON MANUFACTURING Co.	W-000612	12/16/08	5N	X	X	X			TEXTILE MILL; 0.5 MGD PROCESS WATER AND SANITARY WASTE WATER DISCHARGE; 200,000 GPD NON-CONTACT COOLING WATER DISCHARGE	
PALERMO	DEPT. OF INLAND FISHERIES & WILDLIFE	W-002035	02/20/11	6F			X			PALERMO FISH REARING STATION; 4.75 MGD PROCESS WATER DISCHARGE	SNC

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Location	Licensee	License #	Exp. Date	Type	Major	Tox	Surf	Sub	Spray	Comments	Compliance Status
PARSONSFIELD (KEZAR FALLS)	KEZAR FALLS HYDRO LLC	W-008060	02/20/09	5R			X			KEZAR FALLS HYDRO PROJECT; 22,320 GPD NON-CONTACT COOLING WATER	
PERRY	PASSAMA- QUODDY WATER DISTRICT	W-007568	10/04/09	5S			X			DRINKING WATER TREATMENT FACILITY; 75,000 GPD FILTER BACKWASH DISCHARGE	SNC, EL
PHILLIPS	DEPT. OF INLAND FISHERIES & WILDLIFE	W-002036	08/01/11	6F			X			PHILLIPS FISH REARING STATION; 0.36 MGD PROCESS WATER DISCHARGE	
PIERCE POND TOWNSHIP	DEAD RIVER FISH HATCHERY	W-000905	12/19/10	6F			X			COMMERCIAL FISH HATCHERY AND REARING STATION; 1.5 MGD PROCESS WATER DISCHARGE	
PLYMOUTH	SOIL PREPARATION, INC.	W-007882	09/18/13	5J					X	SEPTAGE DEWATERING AND COMPOSTING FACILITY; 20,000 GPD DISCHARGE	
PORTLAND	FRESH ATLANTIC USA	W-009008	07/31/12	5P			X			SEA URCHIN PROCESSING FACILITY; 12,100 GPD PROCESS WATER DISCHARGE	
PORTLAND	HERITAGE ACQUISITION CORP.	W-000980	02/06/09	5R			X			BAKED BEAN PROCESSING FACILITY; 525,000 GPD NON- CONTACT COOLING WATER	
PORTLAND	I.S.F. TRADING COMPANY	W-007808	12/14/09	5P			X			SEA URCHIN AND SHRIMP PROCESSING FACILITY; 10,000 GPD PROCESS WATER DISCHARGE	

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PRESQUE ISLE	EUGENE & HEIDI KNIGHT (D/B/A GOLDEN GATE PARK)	W-008159	06/13/13	5J					X	COMMERCIAL MOBILE HOME PARK; 44,000 GPD SANITARY WASTE WATER DISCHARGE	
PRESQUE ISLE	MCCAIN FOODS USA, INC.	W-008085	05/17/12	5N	X	X	X			POTATO PROCESSING FACILITY; 4.0 MGD PROCESS WATER AND SANITARY WASTE WATER	
PRESQUE ISLE	PRESQUE ISLE WATER DISTRICT	W-002618	11/23/09	5S			X			DRINKING WATER TREATMENT FACILITY; 90,000 GPD FILTER BACKWASH DISCHARGE	
RANGELEY	ATLANTIC SALMON MAINE, INC.	W-004701	12/30/10	6F			X			COMMERCIAL SALMON HATCHERY; 12 MGD PROCESS WATER DISCHARGE	
ROCKLAND	DRAGON PRODUCTS Co. LLC	W-009025	11/25/13	5R			X			CEMENT TRANSFER TERMINAL; 113,000 GPD NON-CONTACT COOLING WATER AND TREATED CONDENSATE WATER DISCHARGE	
ROCKLAND	FMC BIOPOLYMER	W-001999	10/09/12	5R			X			CARAGEENAN MANUFACTURING FACILITY; 12.1 MGD CONTACT AND NON- CONTACT COOLING WATER DISCHARGE	
ROCKLAND	TOWN OF ROCKLAND	W-007939	12/28/11	5V			X			SNOW DUMP; DISCHARGE TO TIDEWATER	
ROCKPORT	TOWN OF ROCKPORT	W-008134	10/03/11	5V			X			SNOW DUMP; DISCHARGE TO TIDEWATER	

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RUMFORD	RUMFORD PAPER COMPANY	W-000955	09/21/10	5N	X	X	X			KRAFT PULP AND PAPER MILL (FORMERLY BOISE CASCADE); 34 MGD PROCESS WATER & LANDFILL LEACHATE WATER DISCHARGE; 47 MGD NON-CONTACT COOLING WATER DISCHARGE	
RUMFORD	RUMFORD FALLS HYDRO LLC	W-008083	04/01/09	5R			X			RUMFORD FALLS HYDRO PROJECT; 145,000 GPD NON-CONTACT COOLING WATER	
SACO	FPL ENERGY MAINE HYDRO	W-000584	09/22/13	5R			X			CATARACT HYDRO PROJECT; 196,000 GPD NON-CONTACT COOLING WATER	
SANFORD	CYRO INDUSTRIES	W-001914	11/21/10	5R			X			PLASTICS MANUFACTURING FACILITY; 300,000 GPD NON-CONTACT COOLING WATER	
SANFORD	PINE TREE TROUT FISH HATCHERY	W-008245	12/22/11	6E			X			COMMERCIAL TROUT HATCHERY AND REARING FACILITY; 72,000 GPD PROCESS WATER DISCHARGE	
SCARBOROUGH	BAYLEY'S QUALITY SEAFOOD	W-000990	12/06/12	5P			X			SHELLFISH PROCESSING FACILITY; 63.525 GPD SEAFOOD PROCESSING WASTE WATER DISCHARGE	

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SCARBOROUGH	DEP-DIV. OF ENVIRONMENTAL ASSESSMENT	W-008221	06/10/10	5U			X			AQUATIC HERBICIDE TREATMENT OF POND 6436 TO CONTROL INVASIVE EURASIAN MILFOIL	
SEARSPORT	C.H. SPRAGUE & SON, INC.	W-002564	04/14/09	5S			X			FUEL OIL TERMINAL/TRANSFER FACILITY; STORM WATER DISCHARGE	
SEARSPORT	GAC CHEMICAL CORPORATION	W-002530	03/21/11	5S			X			INDUSTRIAL CHEMICAL MANUFACTURER (FORMERLY GENERAL ALUM); 124,000 GPD NON-CONTACT COOLING WATER, PROCESS WATER, AND STORM WATER DISCHARGES	
SEARSPORT	IRVING OIL TERMINALS, INC.	W-000942	03/09/10	5S			X			FUEL OIL TERMINAL/TRANSFER FACILITY; STORM WATER DISCHARGE	
SEARSPORT	IRVING OIL TERMINALS, INC.	W-001373	03/09/10	5S			X			FUEL OIL TERMINAL/TRANSFER FACILITY; STORM WATER DISCHARGE	
SKOWHEGAN	FPL ENERGY MAINE HYDRO	W-000583	09/22/13	5R			X			WESTON HYDRO PROJECT; 576,000 GPD NON-CONTACT COOLING WATER	
SKOWHEGAN	SKOWHEGAN STATE FAIRGROUNDS ASSOCIATION	W-008233	12/22/11	5V				X		SNOW DUMP; DISCHARGE TO MAPPED SAND AND GRAVEL ACQUIFER	

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SMITHFIELD	CAMP MATOAKA, INC.	W-006097	07/22/10	5J					X	COMMERCIAL SUMMER CAMP; 18,000 GPD SANITARY WASTE WATER DISCHARGE	
SORRENTO	GREAT BAY AQUACULTURE LLC	W-009015	10/15/12	6G			X			COD AQUACULTURE FACILITY (PREBLE ISLAND SITE)	
SOUTH BRISTOL	SOUTH BRISTOL WHARF LLC	W-007095	10/24/12	5P			X			SHELLFISH PROCESSING FACILITY; 20,000 GPD WASHING AND COOKING WATER DISCHARGE	
SOUTH PORTLAND	CLEAN HARBORS ENVIRONMENTAL SERVICES, CO.	W-000647	07/29/09	5S			X			FUEL OIL TERMINAL/TRANSFER FACILITY; STORM WATER DISCHARGE	
SOUTH PORTLAND	EXXONMOBIL OIL CORPORATION	W-002653	01/01/09	5S			X			FUEL OIL TERMINAL/TRANSFER FACILITY; STORM WATER DISCHARGE AND TREATED TANK BOTTOM DISCHARGE WATER	
SOUTH PORTLAND	GLOBAL COMPANIES, LLC	W-002565	04/14/11	5S			X			FUEL OIL TERMINAL/TRANSFER FACILITY; STORM WATER DISCHARGE	
SOUTH PORTLAND	GULF OIL LIMITED PARTNERSHIP	W-000737	12/06/09	5S			X			FUEL OIL TERMINAL/TRANSFER FACILITY; STORM WATER DISCHARGE	
SOUTH PORTLAND	CITGO PETROLEUM CORP.	W-000637	01/21/10	5S			X			FUEL OIL TERMINAL/TRANSFER FACILITY; STORM WATER DISCHARGE	

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SOUTH PORTLAND	PORTLAND PIPELINE CORPORATION	W-002651	06/29/09	5S			X			FUEL OIL TERMINAL/TRANSFER FACILITY; STORM WATER DISCHARGE	
SOUTH PORTLAND	SPRAGUE ENERGY CORP.	W-000886	11/06/11	5S			X			FUEL OIL TERMINAL/TRANSFER FACILITY; STORM WATER DISCHARGE	
ST. GEORGE	GREAT EASTERN MUSSEL FARMS INC.	W-003993	08/11/12	5P			X			SHELLFISH WASHING AND PACKING FACILITY; 0.72 MGD PROCESS WATER DISCHARGE	
ST. GEORGE	MARSHALL POINT SEA FARM LLC	W-008247	02/28/12	6E			X			OYSTER & CLAM BREEDING AND REARING FACILITY; 10,100 GPD WASTE WATER DISCHARGE	SNC
STANDISH	FIRST TECHNOLOGY/ CONTROL DEVICES, INC.	W-000643	11/21/10	5N	X	X	X			MANUFACTURER OF ELECTRONIC COMPONENTS; 0.025 MGD PROCESS WATER AND NON-CONTACT COOLING WATER DISCHARGE	
T3 INDIAN PURCHASE	GREAT LAKES HYDRO AMERICA, LLC	W-008078	03/09/09	5R			X			NORTH TWIN HYDRO PROJECT; 36,000 GPD NON-CONTACT COOLING WATER	
T3 R11	GREAT LAKES HYDRO AMERICA, LLC	W-008079	03/09/09	5R			X			RIPOGENUS HYDRO PROJECT; 691,200 GPD NON-CONTACT COOLING WATER	

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TAUNTON & RAYNHAM TWP.	BRASSUA HYDRO LIMITED PARTNERSHIP	W-008054	11/06/13	5R			X			BRASSUA HYDRO PROJECT; 14,400 GPD NON-CONTACT COOLING WATER	
TOPSHAM	TOPSHAM HYDRO PARTNERS	W-008058	04/02/09	5R			X			PEJEPSCOT HYDRO PROJECT; 349,920 GPD NON-CONTACT COOLING WATER	
TURNER	DECOSTER EGG FARMS	W-001494	02/22/10	5R			X			CHICKEN EGG HATCHERY; 7,000 GPD NON-CONTACT COOLING WATER	
TURNER	QUALITY EGG OF NEW ENGLAND	W-008094	02/08/10	5O					X	COMMERCIAL EGG PRODUCTION FACILITY; 19,500 GPD EGG WASH WATER AND SANITARY WASTE WATER DISCHARGE	
VEAZIE	CASCO BAY ENERGY CO., L.C.C.	W-008016	03/08/11	5O			X			COMBINED CYCLE NATURAL GAS-FIRED GENERATING FACILITY; 1.96 MGD FILTER BACKWASH WATER, DEMINERALIZATION WATER, COOLING TOWER BLOWDOWN WATER, AND BOILER BLOWDOWN WATER	
VEAZIE	PPL MAINE LLC	W-002568	04/01/09	5R			X			VEAZIE HYDRO PROJECT; 60,550 GPD NON-CONTACT COOLING WATER	



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WALDOBORO	OSRAM SYLVANIA	W-000714	10/03/11	5N			X			LIGHT BULB FILAMENT MANUFACTURING FACILITY; 10,000 GPD TREATED GROUNDWATER DISCHARGE	
WARREN	AQUA MAINE INC.	W-008214	04/25/10	5S				X		DRINKING WATER TREATMENT FACILITY; 6,000 GPD FILTER BACKWASH DISCHARGE	
WATERBORO	WATERWAYS, INC.	W-008129	09/25/06	5S				X		COMMERCIAL CAR WASH FACILITY; 700 GPD WASH WATER DISCHARGE	
WATERVILLE	MAINE CENTRAL RAILROAD	W-006634	04/04/11	5O			X			RAILROAD LOCOMOTIVE AND RAILCAR REPAIR FACILITY; 144,000 GPD PROCESS WASTE WATER & STORM WATER DISCHARGES	
WESTBROOK	CITY OF WESTBROOK SCHOOL DEPT.	W-009016	03/31/13	5S				X		SCHOOL; 16,000 GPD GEOTHERMAL "BLEED WATER" DISCHARGE	
WESTBROOK	S.D. WARREN	W-002224	12/21/12	5N	X	X	X			PAPER MILL; 10 MGD PROCESS WATER DISCHARGE; 2.5 MGD FILTER BACKWASH WATER DISCHARGE; 12 MGD NON-CONTACT COOLING WATER DISCHARGE	
WINSLOW	UAH-HYDRO KENNEBEC LTD. PARTNERSHIP	W-007579	02/23/09	5R			X			HYDRO KENNEBEC PROJECT; 232,000 GPD NON-CONTACT COOLING WATER	

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WINTHROP	DOROTHY EGG FARM	W-008103	09/28/10	5P					X	COMMERCIAL EGG PRODUCTION FACILITY; 3,000 GPD EGG WASH AND SANITARY WASTE WATER DISCHARGE	
WISCASSET	TOWN OF WISCASSET	W-007711	09/23/09	5V			X			SNOW DUMP; DISCHARGE TO TIDEWATER	
WOOLWICH	BATH WATER DISTRICT	W-008140	05/01/11	5S			X			DRINKING WATER TREATMENT FACILITY; 283,000 GPD FILTER BACKWASH DISCHARGE	
YARMOUTH	FPL ENERGY WYMAN LLC	W-000634	06/17/13	5R	X	X	X			W.F. WYMAN STATION GENERATING FACILITY; 530 MGD NON-CONTACT COOLING WATER; 5.0 MGD INTAKE BACKWASH WATER; 8.4 MGD BOILER BLOWDOWN, ASH TRANSPORT, AND ASH HOPPER SEAL WATERS, REGENERATION WATER, AND MISC. FLOOR DRAIN AND STORMWATER DISCHARGES	
YORK	THE GOLDENROD	W-002862	05/20/10	5R			X			RESTAURANT & CANDY FACTORY; 20,000 GPD NON-CONTACT COOLING WATER DISCHARGE	

	LICENSES				MAJOR	TOX	SURF	SUB	SPRAY		COMPLIANCE STATUS
<b>TOTALS</b>	<b>217</b>				<b>18</b>	<b>20</b>	<b>179</b>	<b>11</b>	<b>32</b>		<b>EL= 8    SNC= 15</b>

\* (Does not include FinFish Aquaculture facilities licensed under General Permit #MEG130000 – see Appendix C.)

**APPENDIX B**  
**NON-POTW WASTE DISCHARGE LICENSES AS OF DECEMBER 31, 2008**

**KEY TO COLUMN HEADINGS**

<b>LOCATION</b>	Municipality in which discharge is located.
<b>LICENSEE</b>	Name of license holder.
<b>LICENSE #</b>	DEP waste water facility/license number.
<b>EXP. DATE</b>	Expiration date of last DEP license issued for the facility.
<b>TYPE</b>	Type code and base fee category for the facility: 5J Sanitary wastewater, commercial source 5N Major industrial facility--process wastewater discharge 5O Minor industrial facility--process wastewater discharge 5P Food handling or packaging wastewater 6E Fish rearing facility, less than 100,000 GPD 6F Fish rearing facility, greater than 100,000 GPD 6G Marine aquaculture facility (individual permit) 6H Marine aquaculture facility (general permit) 5R Non-contact cooling water 5S Industrial/Commercial source--miscellaneous or incidental non-process wastewater 5U Aquatic pesticide application 5V Snow dump 5X Log storage permit 5Y Atlantic salmon aquaculture facility (general permit) 5Z Experimental discharge license
<b>MAJOR</b>	Major discharge facility.
<b>TOX</b>	Facility is subject to toxicity testing.
<b>SURF</b>	Facility discharges to surface water.
<b>SUB</b>	Facility discharges through subsurface system.
<b>SPRAY</b>	Facility discharges through spray irrigation (i.e., land application) system.
<b>COMPLIANCE</b>	
<b>STATUS</b>	Indicates if the facility was in Significant Non Compliance (SNC) or Exception List (EL) during the year. A blank space in this column indicates Substantial Compliance. For those facilities that were in SNC or EL a summary of the non compliance can be found in Appendices D and E

**APPENDIX B**

## NON-POTW WASTE DISCHARGE LICENSES AS OF DECEMBER 31, 2008

### NOTES

1. The nineteen type 5J licenses break down as follows: nine are for seasonal land application discharges from commercial campgrounds/summer camps; four are for land application discharges from trailer parks; one is for a seasonal land application discharge from a ski area; four are for seasonal land application discharges of treated septage effluent; and one is for the year-round subsurface discharge of treated septage leachate.
2. The following five licenses are for both surface water and seasonal land application discharges: Houlton—Tate & Lyle Ingredients Americas; Cherryfield—Jasper Wyman; Cherryfield—Cherryfield Foods; Deblois—Jasper Wyman & Sons; and Hancock—Hancock Foods.
3. The following five licenses include approvals for thermal mixing zones: Baileyville—Domtar; Biddeford—MERC; Millinocket—Katahdin Paper; Rumford—Mead Paper; and Westbrook—SD Warren.
4. The following eleven licensed facilities are currently shut down and are not discharging: Baileyville—Louisiana Pacific Corp; Boothbay—Vacationland Development; Caribou—WPS New England Generation; Millinocket—Katahdin Paper; Old Town—Red Shield; Orrington—Holtrachem; Oxford—Robinson Manufacturing; Phillips—DIFW; South Bristol—South Bristol Wharf LLC; St. George—Great Eastern Mussel; and Standish—First Technology.
5. The following licensed facility is currently in operation but is not discharging: Lisbon—Maine Electronics.
6. The following licensed facility has never been in operation: Belgrade—Pat Jackson.
7. The following two facilities are licensed for the discharge of treated groundwater from a groundwater remediation project: Waldoboro—Osram Sylvania; and Lisbon—Maine Electronics.
8. All land application discharges are seasonal, except for Mars Hill—Freshway, which is licensed to discharge “snowfluent” during the winter.
9. In 2001, all eight fuel oil terminals/transfer facilities in South Portland were changed from major to minor status.
10. The Bath—Bath Iron Works license includes a snow dump discharge to tidewater.
11. The following three facilities are licensed as concentrated animal feeding operations (CAFOs): Clinton—Flood Brothers Inc.; Dixmont—Country Acre Farm; and Fort Fairfield—Pineland Farms Natural Meat Inc.

## APPENDIX C

### FINFISH AQUACULTURE FACILITIES APPROVED UNDER GENERAL PERMIT MEG130000 AS OF DECEMBER 31, 2008

LICENSEE	LOCATION	LICENSE #	DATE APPROVED	TYPE	NOTES	COMPLIANCE
ATLANTIC SALMON OF MAINE LLC	MACHIASPORT	W-008165	07/28/2003	6H	STARBOARD ISLAND SITE	
ATLANTIC SALMON OF MAINE LLC	MACHIASPORT	W-008166	07/28/2003	6H	STONE ISLAND SITE	
MAINE COAST NORDIC	CUTLER	W-008228	10/14/2005	6H	CUTLER WEST SITE	

NUMBER OF FACILITIES = 3

NOTE: GENERAL PERMIT MEG130000 EXPIRES SEPTEMBER 22, 2013.

\AQUACULTURE GENERAL PERMITS 12-31-2008

**APPENDIX D**

**POINT SOURCE DISCHARGERS ON THE EXCEPTIONS LIST (EL)  
Calendar Year 2008**

FACILITY	PARAMETER(S)	STATUS (EL)*
<b>BRUNSWICK &amp; TOPSHAM WATER DISTRICT</b>	Total Suspended Solids	1 <sup>st</sup> & 2 <sup>nd</sup> Quarters
	<b>ACTIONS:</b> TSS excs continue. Pilot study did not find a suitable treatment method, they are seeking a modification either to their limits or their sampling/analysis method. New license seems to have solved non-compliance issues.	
<b>CORINNA WASTEWATER TREATMENT PLANT</b>	Application Rate	3 <sup>rd</sup> & 4 <sup>th</sup> Quarters
	<b>ACTIONS:</b> Facility experienced high levels of wastewater throughout the entire spray season. Applicant notified the DEP of intention to increase spray rates to lower levels of wastewater in storage lagoon in Fall of 2007. Have been spraying in excess of license limits since that time. Site modifications are being implemented.	
<b>ENFIELD IF&amp;W FISH HATCHERY</b>	Formalin Biological Oxygen Demand	3 <sup>rd</sup> & 4 <sup>th</sup> Quarters 3 <sup>rd</sup> Quarter
	<b>ACTIONS:</b> BOD violation pounds per day monthly average. Due to high flow causing the minimum reporting limit for concentration to trigger a violation in the quantity parameter. Formalin violations have been included in pending consent agreement.	
<b>GRAND LAKE STREAM PLANTATION IF&amp;W FISH HATCHERY</b>	Formalin	1 <sup>st</sup> Quarter
	<b>ACTIONS:</b> Grand Lake Stream is discharging without treatment. Discussions on-going with IF&W concerning the construction of treatment at this facility with bond money.	

**APPENDIX D**

**POINT SOURCE DISCHARGERS ON THE EXCEPTIONS LIST (EL)  
Calendar Year 2008**

FACILITY	PARAMETER(S)	STATUS (EL)*
<b>HERMON – HERMON CAR WASH</b>	Diesel Range Organics & Quarters Gasoline Range Organics	1 <sup>st</sup> & 2 <sup>nd</sup>
	<b>ACTIONS:</b> Facility has installed different types of organoclay filters which have dramatically dropped test values. Department continues to monitor this situation to determine the effectiveness of the treatment systems installed.	
<b>NEW GLOUCESTER IF&amp;W FISH HATCHERY</b>	Total Suspended Solids Biological Oxygen Demand Flow	2 <sup>rd</sup> & 3 <sup>rd</sup> Quarters 2 <sup>rd</sup> & 3 <sup>rd</sup> Quarters 1 <sup>st</sup> , 2 <sup>nd</sup> & 3 <sup>rd</sup> Quarters
	<b>ACTIONS:</b> Facility removed accumulated sludge from their settling ponds to improve treatment of discharge. Violations included in the draft consent agreement.	
<b>ORLAND – CRAIG BROOK NATIONAL FISH HATCHERY</b>	Formalin Phosphorus	2 <sup>nd</sup> , 3 <sup>rd</sup> & 4 <sup>th</sup> Quarters 3 <sup>rd</sup> & 4 <sup>th</sup> Quarters
	<b>ACTIONS:</b> Facility has experienced numerous formalin violations due to application strategy. DEP scheduling a meeting to discuss the strategy and application of using formalin at this facility.	

**APPENDIX D**

**POINT SOURCE DISCHARGERS ON THE EXCEPTIONS LIST (EL)  
Calendar Year 2008**

FACILITY	PARAMETER(S)	STATUS (EL)*
<b>ORRINGTON – HOLTRACHEM MFG CO</b>	Mercury  <b>ACTIONS:</b> Facility reports that the higher levels of Hg are due to elevated groundwater/stormwater infiltration to Outfall 001. The volume of treated water was 18,000 gal, but the total volume of water discharged was 73,000 gal (significantly higher). Facility looking into measures to reduce or eliminate water I/I into Outfall 001. A contingency plan has been developed to pump water from the weir to the WWT operation following periods of high rainfall if the screening tests show high Hg concentrations. Facility also notes that they've discovered a problem with the accuracy of the flow meter/sensor. The flows for Dec are based on manual measurements/calculations. New flow meter/sensor to be in place late Jan/Feb 2009. Facility states that they need to go back through the past and correct DMRs based on issues with flow meter readings.	1 <sup>st</sup> & 2 <sup>nd</sup> Quarter
<b>PARIS UTILITY DISTRICT</b>	Copper  <b>ACTIONS:</b> On going negotiation of a consent agreement is underway to resolve these violations.	All 4 Quarters
<b>PERRY – PASSAMAQUODDY WATER DISTRICT</b>	Aluminum Total Residual Chlorine  <b>ACTIONS:</b> Encountering problems operating the facility due to the very low dilution ratio for their discharge into a local stream. Total residual Chlorine limit violated due to the use of Chlorine dioxide. Need to establish chlorine dioxide limit.	All 4 Quarters 3 <sup>rd</sup> & 4 <sup>th</sup> Quarters



**APPENDIX D**

**POINT SOURCE DISCHARGERS ON THE EXCEPTIONS LIST (EL)  
Calendar Year 2008**

FACILITY	PARAMETER(S)	STATUS (EL)*
<b>PORTLAND – PORTLAND WATER DISTRICT</b>	Fecal Coliform	1 <sup>st</sup> , 3 <sup>rd</sup> & 4 <sup>th</sup> Quarters
	<b>ACTIONS:</b> This facility has experienced a significant number of fecal coliform violations during rainstorm events. They have replaced the influent gates, provided troubleshooting of their chlorinating mixer, increased the chlorinating set point for storm events, and have been working very aggressively on their CSO master plan. DEP continues to monitor the situation as Portland continues to work to diagnose the root cause of the problem.	
<b>WINTERPORT WASTEWATER TREATMENT PLANT</b>	Flow	1 <sup>st</sup> and 2 <sup>nd</sup> Quarters
	<b>ACTIONS:</b> Facility has experienced numerous flow violations due to high inflow and infiltration. On most occasions, there are no combined sewer events and no bypass events, the flow is routed to the swirl separator and the plant and between them they handle the flows.	

\* The Status column indicates the quarters of the year in which the violation(s) occurred or the Exceptions List Criteria were triggered.

**APPENDIX E**

**POINT SOURCE DISCHARGERS IN SIGNIFICANT NON-COMPLIANCE (SNC)  
Calendar Year 2008**

FACILITY	PARAMETER(S)	STATUS (SNC)*
<b>AUGUSTA IF&amp;W FISH HATCHERY</b>	Phosphorus Quarter  <b>ACTIONS:</b> Various phosphorus violations have been included in a draft consent agreement.	3 <sup>rd</sup>
<b>BRUNSWICK – GRAHAM ROAD LANDFILL</b>	Phenols E. Coli  <b>ACTIONS:</b> Various violations at facility related to design and or operation. Facility has developed a plan to disinfect the discharge from the treatment facility and improve treatment of phenols.	1 <sup>st</sup> & 2 <sup>nd</sup> Quarters 3 <sup>rd</sup> Quarter
<b>CASCO IF&amp;W FISH HATCHERY</b>	Phosphorus  <b>ACTIONS:</b> Various phosphorus violations have been included in a draft consent agreement.	4 <sup>th</sup> Quarter
<b>CASTINE WASTEWATER TREATMENT PLANT</b>	Flow  <b>ACTIONS:</b> Flow violations due to inflow and infiltration. Construction of new treatment works secondary treatment unit processes initiated in Fall 2008.	2 <sup>nd</sup> Quarter
<b>CHERRYFIELD – JASPER WYMAN &amp; SON</b>	Biological Oxygen Demand  <b>ACTIONS:</b> Facility violated BOD daily max concentration. Facility installing subsurface line to lagoon to eliminate surface water discharge. Pending removal of RR tracks to install piping.	4th Quarter
<b>CORINNA WASTEWATER TREATMENT PLANT</b>	Application Rate  <b>ACTIONS:</b> Facility experienced high levels of wastewater throughout the entire spray season. Applicant notified the DEP of intention to increase spray rates to lower levels of wastewater in storage lagoon in Fall of 2007. Have been spraying in excess of license limits since that time. Site modifications are being implemented.	3 <sup>rd</sup> & 4 <sup>th</sup> Quarters

**APPENDIX E**

**POINT SOURCE DISCHARGERS IN SIGNIFICANT NON-COMPLIANCE (SNC)  
Calendar Year 2008**

<b>FACILITY</b>	<b>PARAMETER(S)</b>	<b>STATUS (SNC)*</b>
<b>EMBDEN IF&amp;W FISH HATCHERY</b>	Phosphorus  <b>ACTIONS:</b> Various phosphorus violations have been included in a draft consent agreement.	3 <sup>rd</sup> Quarter
<b>ENFIELD IF&amp;W FISH HATCHERY</b>	Formalin Biological Oxygen Demand  <b>ACTIONS:</b> Various formalin and biological oxygen demand violations were all included in a draft consent agreement.	3 <sup>rd</sup> & 4 <sup>th</sup> Quarters 3 <sup>rd</sup> Quarter
<b>GOULDSBORO – BUMBLE BEE SEAFOODS, LLC</b>	Flow  <b>ACTIONS:</b> Facility experienced flow violations due to using pump time rather than flow meter to calculate flow. Facility sent a letter of warning for the flow violations.	1 <sup>st</sup> Quarter
<b>GRAY IF&amp;W FISH HATCHERY</b>	Total Suspended Solids  <b>ACTIONS:</b> Various total suspended solid violations were included in a draft consent agreement.	2 <sup>nd</sup> Quarter
<b>KITTERY PORTSMOUTH NAVAL SHIPYARD</b>	High pH  <b>ACTIONS:</b> High pH values are related to the replacement and or repair of concrete in the dry dock at the facility. Communicated with facility about care and caution when repairing concrete structures.	3 <sup>rd</sup> Quarter
<b>LIMESTONE WASTEWATER TREATMENT PLANT</b>	Flow  <b>ACTIONS:</b> This facility has struggled with inflow and infiltration problems in the past. They have spent millions of dollars replacing the sewer system in town to eliminate this problem. Facility to be discontinued and flow pumped to Loring Development Authority.	3 <sup>rd</sup> Quarter

**APPENDIX E**

**POINT SOURCE DISCHARGERS IN SIGNIFICANT NON-COMPLIANCE (SNC)  
Calendar Year 2008**

<b>FACILITY</b>	<b>PARAMETER(S)</b>	<b>STATUS (SNC)*</b>
<b>MT DESERT SOMESVILLE TREATMENT FACILITY</b>	High pH  <b>ACTIONS:</b> Caustic feed on influent working normally and pH the day before was compliant. Added caustic feed system to chlorine contact chamber to address pH issues on effluent end.	3 <sup>rd</sup> Quarter
<b>NEW GLOUCESTER IF&amp;W FISH HATCHERY</b>	Total Suspended Solids Biological Oxygen Demand Flow  <b>ACTIONS:</b> Various violations were included in a draft consent agreement.	2 <sup>rd</sup> & 3 <sup>rd</sup> Quarters 2 <sup>rd</sup> & 3 <sup>rd</sup> Quarters 1 <sup>st</sup> , 2 <sup>nd</sup> & 3 <sup>rd</sup> Quarters
<b>NORTH HAVEN WASTEWATER TREATMENT PLANT</b>	Fecal Coliform Total Residual Chlorine Flow  <b>ACTIONS:</b> Facility has experienced a number of operational problems resulting in numerous fecal coliform violations. Facility was sent a letter of warning concerning these violations.	3 <sup>rd</sup> Quarter 3 <sup>rd</sup> Quarter 1 <sup>st</sup> & 3 <sup>rd</sup> Quarters
<b>ORLAND – CRAIG BROOK NATIONAL FISH HATCHERY</b>	Formalin Phosphorus Quarters  <b>ACTIONS:</b> Facility has experienced numerous formalin violations due to application strategy. DEP scheduling a meeting to discuss the strategy and application of using formalin at this facility.	2 <sup>nd</sup> , 3 <sup>rd</sup> & 4 <sup>th</sup> Quarters 3 <sup>rd</sup> & 4 <sup>th</sup>
<b>ORONO – VEAZIE WATER DISTRICT</b>	Total Suspended Solids  <b>ACTIONS:</b> Facility has experienced numerous total suspended solids violations due to increased pumping needed for poor water quality and filter failure. Enforcement and compliance staff monitoring the situation.	1 <sup>st</sup> & 4 <sup>th</sup> Quarters

**APPENDIX E**

**POINT SOURCE DISCHARGERS IN SIGNIFICANT NON-COMPLIANCE (SNC)  
Calendar Year 2008**

FACILITY	PARAMETER(S)	STATUS (SNC)*
<b>ORRINGTON – HOLTRACHEM MFG CORP</b>	Mercury	1 <sup>st</sup> & 2 <sup>nd</sup> Quarters
	<p><b>ACTIONS:</b> Facility reports that the higher levels of Hg are due to elevated groundwater/stormwater infiltration to Outfall 001. The volume of treated water was 18,000 gal, but the total volume of water discharged was 73,000 gal (significantly higher). Facility looking into measures to reduce or eliminate water I/I into Outfall 001. A contingency plan has been developed to pump water from the weir to the WWT operation following periods of high rainfall if the screening tests show high Hg concentrations. Facility also notes that they've discovered a problem with the accuracy of the flow meter/sensor. The flows for Dec are based on manual measurements/calculations. New flow meter/sensor to be in place late Jan/Feb 2009. Facility states that they need to go back through the past and correct DMRs based on issues with flow meter readings.</p>	
<b>PALERMO IF&amp;W FISH HATCHERY</b>	Phosphorus	4 <sup>th</sup> Quarter
	<p><b>ACTIONS:</b> Various phosphorus violations were included in a draft consent agreement.</p>	
<b>PERRY – PASSAMAQUODDY WATER DISTRICT</b>	Aluminum Total Residual Chlorine	All 4 Quarters 3 <sup>rd</sup> & 4 <sup>th</sup> Quarters
	<p><b>ACTIONS:</b> Encountering problems operating the facility due to the very low dilution ratio for their discharge into a local stream. Total residual Chlorine limit violated due to the use of Chlorine dioxide. Need to establish chlorine dioxide limit.</p>	
<b>PORTLAND WATER DISTRICT EAST END TREATMENT PLANT</b>	Fecal Coliform	1 <sup>st</sup> , 3 <sup>rd</sup> & 4 <sup>th</sup> Quarters
	<p><b>ACTIONS:</b> This facility has experienced a significant number of fecal coliform violations during rainstorm events. They have replaced the influent gates, provided troubleshooting of their chlorinating mixer, increased the chlorinating set point for storm events, and have been working very aggressively on their CSO master plan. DEP continues to monitor the situation as Portland continues to work to diagnose the root cause of the problem.</p>	

**APPENDIX E**

**POINT SOURCE DISCHARGERS IN SIGNIFICANT NON-COMPLIANCE (SNC)  
Calendar Year 2008**

FACILITY	PARAMETER(S)	STATUS (SNC)*
<b>ROCKLAND WASTEWATER TREATMENT PLANT</b>	<p>Cyanide</p> <p><b>ACTIONS:</b> Rockland gets occasional CN hits, even though there is no obvious industrial source in the system. Rockland has executed the TIE and has been proceeding with a TRE to attempt to identify the source of the cyanide. They have not had any hits for cyanide since the TRE phase began. Not currently disinfecting due to off season. Will continue to monitor for cyanide and continue with TRE efforts throughout the spring and summer.</p>	3 <sup>rd</sup> Quarter
<b>ST. AGATHA WASTEWATER TREATMENT PLANT</b>	<p>Biological oxygen demand</p> <p>E. Coli</p> <p><b>ACTIONS:</b> Facility has experienced some operational problems due to process control problems coupled with some inflow &amp; infiltration problems. Department staff have provided some troubleshooting assistance and have sent a compliance initiative letter to the facility requesting that they investigate the inflow &amp; infiltration problems.</p>	2 <sup>nd</sup> Quarter 2 <sup>nd</sup> Quarter
<b>ST. GEORGE – MARSHALL POINT SEA FARM LLC</b>	<p>Total Suspended Solids</p> <p><b>ACTIONS:</b> Facility has experienced some very minor exceedences of total suspended solids. This facility is challenged by these operational problems due to the size and nature of the operation. Also have uncovered problems with commercial laboratory analyses of marine wastewater effluents for total suspended solids.</p>	2 <sup>nd</sup> Quarter
<b>WINTERPORT WASTEWATER TREATMENT PLANT</b>	<p>Flow</p> <p><b>ACTIONS:</b> Facility has experienced numerous flow violations due to high inflow and infiltration. On most occasions, there are no combined sewer events and no bypass events, the flow is routed to the swirl separator and the plant and between them they handle the flows.</p>	1 <sup>st</sup> & 2 <sup>nd</sup> Quarters

**APPENDIX E**

**POINT SOURCE DISCHARGERS IN SIGNIFICANT NON-COMPLIANCE (SNC)  
Calendar Year 2008**

FACILITY	PARAMETER(S)	STATUS (SNC)*
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\* The Status column indicates the quarters of the year in which the violation(s) occurred or Significant Non Compliance criteria were triggered.

**APPENDIX F**  
**PROJECTS FUNDED BY THE CLEAN WATER STATE REVOLVING LOAN FUND (CWSRF)**  
**DURING THE STATE FISCAL YEAR 2008:**

<b>PROJECT</b>	<b>PROJECT AMOUNT</b>
AUBURN SEWERAGE DISTRICT: CSO ABATEMENT THROUGH SEWER SEPARATION	\$1,400,000
TOWN OF BAILEYVILLE: SEWER REHABILITATION, STORM WATER SEPARATION AND TREATMENT PLANT UPGRADE TO THE SLUDGE DRYING BEDS	\$1,900,000
CITY OF BANGOR: CSO REDUCTION THROUGH SEWER SEPARATION AND PUMP STATION UPGRADE	\$2,000,000
CITY OF BATH: CSO ABATEMENT THROUGH SEWER REHABILITATION AND PUMP STATION UPGRADE	\$1,400,000
BERWICK SEWER DISTRICT: PUMP STATION AND FORCE MAIN REPLACEMENT	\$600,000
TOWN OF CASTINE: MAJOR TREATMENT PLANT UPGRADE	\$3,500,000
FREEMPORT SEWER DISTRICT: CONTROL BUILDING UPGRADE TO ELECTRICAL ROOM, GENERATOR ROOM AND GARAGE	\$850,000
GREATER AUGUSTA UTILITY DISTRICT: PHASE 3 CSO DESIGN	\$2,000,000
HOULTON WATER COMPANY: SEWER REHABILITATION	\$635,375
KENNEBUNK SEWER DISTRICT: TREATMENT PLANT FLOOD REPAIR PROJECT	\$2,000,000
LINCOLN SANITARY DISTRICT: REFINANCE OF EXISTING RURAL DEVELOPMENT LOAN	\$815,887
MAINE FOREST SERVICE: FUNDS FOR MAINE FORESTRY DIRECT LINK PROGRAM TO ADDRESS NON-POINT SOURCE POLLUTION FROM TIMBER HARVESTING.	\$2,000,000
TOWN OF MILLINOCKET: SEWER REHABILITATION	\$1,050,000
TOWN OF ORONO: TREATMENT PLANT UPGRADE	\$5,420,000
PRESQUE ISLE SEWER DISTRICT: OUTFALL EXTENSION TO THE AROOSTOOK RIVER	\$2,950,000
PORTLAND WATER DISTRICT: NORTHEAST AND INDIA STREET PUMP STATION UPGRADES	\$6,000,000
PORTLAND WATER DISTRICT: PUMP STATION AND FORCE MAIN FROM LITTLE FALLS AREA OF GORHAM TO WESTBROOK TO ELIMINATE A TREATMENT FACILITY	\$6,500,000
TOWN OF ST. AGATHA: SEWER EXTENSION ON PELLETIER ISLAND TO ELIMINATE FAILING SEPTIC SYSTEMS	\$300,000
TOWN OF STETSON: SAND/SALT SHED	\$180,000
<b>TOTAL</b>	<b>\$41,501,262</b>



**APPENDIX G**  
**POTW PROJECTED UPGRADE NEEDS**

**POTW PROJECTED UPGRADE NEEDS**

Maine's CWSRF was established to maintain and improve the state's inventory of POTWs in perpetuity. However, the state's wastewater infrastructure needs are greater than the fund's ability to provide affordable financing. Many communities, especially smaller, less affluent communities and districts, do not have the financial capability to borrow the sums of money needed to stop continued deterioration of sewers, pump stations and treatment facilities. The table below lists wastewater needs as of January of 2009. These needs are determined from engineering studies and capital improvement plans for municipalities and districts.

<b>MAINE WASTEWATER FACILITIES NEEDS</b>			
<b>JANUARY 2009</b>			
Prepared by Maine DEP			
Municipality or District	Proposed Project	Costs Next Five Years	Total Costs
Ashland	sewer extension	\$317,052	\$317,052
Auburn S.D.	CSO Sewers	\$7,051,840	\$7,051,840
Greater Augusta UD	CSO Sewers	\$16,256,973	\$19,508,367
Greater Augusta UD	Winthrop St sewer sep	\$429,979	\$429,979
Greater Augusta UD	Capital St. (Trunkline)	\$2,687,371	\$2,687,371
Greater Augusta UD	Replace/rehab sewers/p.s.	\$7,797,993	\$7,797,993
Greater Augusta UD	Treatment plant upgrades	\$2,399,383	\$2,399,383
Bangor	CSO Sewer Work	\$10,567,367	\$10,567,367
Bar Harbor	CSO Sewer Work	\$1,192,934	\$18,653,152
Bath	CSO Sewer Work	\$1,627,375	\$3,180,778
Belfast	CSO Sewer Work	\$3,453,413	\$7,865,534
Bethel	TMDL study to be done	\$0	\$0
Biddeford	CSO Sewer Work	\$4,938,845	\$44,299,636
Bingham	Sewer Rehab & WWTF upgrade	\$1,561,122	\$1,561,122
Brewer	CSO Sewer Work	\$5,188,577	\$6,773,682
Brunswick SD	Sewer replacement and equipment	\$1,561,635	\$1,561,635
Bucksport	WWTF Upgrade to secondary	\$0	\$5,434,838
Bucksport	Sewer Rehab	\$0	\$199,953
Calais	WWTP Upgrade	\$5,097,540	\$6,902,919
Calais	CSO Sewer Work	\$5,706,378	\$10,038,999
(Cape Elizabeth North)	Sewer Rehab	\$1,057,610	\$1,057,610
Carmel	WWTF & Sewers	\$1,281,709	\$1,281,709
Castine	Outfall relocation	\$1,056,737	\$1,056,737
Castine	I/I Rehab	\$2,430,494	\$2,430,494
Dover-Foxcroft	TMDL study to be done	\$0	\$0
Eagle Lake	Addition of offices and storage	\$113,037	\$113,037

**APPENDIX G**  
**POTW PROJECTED UPGRADE NEEDS**

Ellsworth	New treatment plant & outfall add'tl needed funds	\$1,999,532	\$1,999,532
Fairfield	CSO Sewer Work	\$886,504	\$886,504
Farmington	Lincoln St.X-country main upgrade	\$514,880	\$514,880
Farmington	TMDL study to be done	\$0	\$0
Gardiner	CSO Sewer Work	\$1,189,702	\$2,181,120
Great Salt Bay	Days Cove PS upgrade	\$444,728	\$444,728
Hampden	CSO Sewer Work	\$1,056,737	\$1,056,737
Houlton	WWTP upgrade	\$7,609,257	\$7,609,257
Jonesport	WWTF & Sewers	\$10,225,013	\$10,225,013
K.S.T.D.	CSO Sewer Work	\$132,092	\$4,308,316
K.S.T.D.	WWTF Upgrade	\$2,662,008	\$2,662,008
Kennebunk	TMDL study to be done	\$0	\$0
Kennebunk	WWTP Upgrade (Phase II)	\$7,812,402	\$7,812,402
Kennebunkport	Influent P.S. and influent screens	\$427,728	\$427,728
LAWPCA	WWTF Upgrade	\$4,754,140	\$15,001,953
Lewiston	CSO Sewer Work	\$10,567,367	\$10,567,367
Limestone	Loring/Limestone to Aroos.	\$15,874,957	\$15,874,957
Lincoln S.D.	Pump Station rehab & sewer Enfield/Broadway	\$2,107,742	\$2,107,742
Lincoln S.D.	Treatment plant upgrades	\$2,791,747	\$2,791,747
Lincolnvile	Beach & Center WW facilities	\$8,964,392	\$8,964,392
Livermore Falls	TMDL study to be done	\$0	\$0
Livermore Falls	sewer rehabilitation	\$458,347	\$458,347
Machias	WWTF upgrade & CSO Sewer Work	\$6,850,160	\$6,850,160
Madawaska	CSO Sewer Work	\$2,139,892	\$2,139,892
Mechanic Falls S.D.	CSO Sewer Work	\$2,121,236	\$4,594,261
Milbridge	WWTF upgrade, PL II	\$1,452,654	\$1,452,654
Millinocket	Treatment lagoon improvements	\$4,573,930	\$4,573,930
Milo W.D.	CSO Sewer Work	\$1,479,431	\$1,479,431
Mt. Desert	NE Harbor - Clarifier & sludge	\$0	\$2,747,515
Mt. Desert	Bracey Cove P.S.	\$749,825	\$749,825
Newport	TMDL study to be done	\$0	\$0
Newport SD	I/I Removal	\$2,214,193	\$2,214,193
North Jay	TMDL study to be done	\$0	\$0
Northport	Upgrade plant & extend outfall	\$3,568,030	\$3,568,030
Oakland	new or upgrade plant	\$4,598,924	\$4,598,924
Old Orchard	Seven P.S. upgrades	\$5,357,076	\$5,357,076
Old Orchard	Sewer rehab/replacement	\$899,789	\$1,699,602
Old Orchard	P.S. Upgrades	\$1,199,719	\$1,199,719
Old Orchard	SCADA system upgrade	\$449,895	\$449,895
Old Town	CSO Sewer Work	\$4,226,947	\$4,226,947
Orono	CSO Sewer Work	\$488,212	\$488,212
Paris U.D.	WWTF Upgrade	\$8,594,566	\$8,594,566
Paris U.D.	CSO Sewer Work	\$311,737	\$311,737
Patten	sewer ext. to protect well	\$317,052	\$317,052

**APPENDIX G**  
**POTW PROJECTED UPGRADE NEEDS**

Portland W.D.	WWTF Upgrade-Portland	\$1,707,250	\$1,707,250
Portland W.D.	East End WWTF Upgrades	\$3,359,029	\$3,359,029
Portland W.D.	SCADA /Process Control	\$557,890	\$557,890
Portland W.D.	Cape Elizabeth Pump Station	\$1,208,762	\$1,208,762
Portland W.D.	Cape Elizabeth WWTF	\$1,142,346	\$1,142,346
Portland W.D.	Cumberland P.S.	\$81,824	\$81,824
Portland W.D.	Westbrook P.S. Upgrade	\$690,721	\$690,721
Portland W.D.	CPE - Westbrook	\$6,186,982	\$6,186,982
Portland, City of	CSO Sewer Work Tier 2	\$46,475,703	\$46,475,703
Portland, City of	CSO Sewer Work Tier 3	\$0	\$30,589,642
Presque Isle	Sewer rehab/extensions.	\$1,553,637	\$8,551,999
Presque Isle	Treatment plant upgrades/rehab	\$623,854	\$2,623,386
Randolph	CSO Sewer Work	\$678,926	\$678,926
Randolph	Pump station upgrade	\$1,168,912	\$1,168,912
Richmond	I/I Sewer Rehab	\$1,265,050	\$1,265,050
Rumford	TMDL study to be done	\$0	\$0
Sabattus	TMDL study to be done	\$0	\$0
Saco	WWTF Upgrade - Process Bldg & Garage	\$4,391,983	\$4,391,983
Saco	CSO Sewer Work	\$574,996	\$574,996
Sanford S.D.	CSO Sewer Work	\$512,517	\$512,517
Sanford S.D.	P.S. upgrade - Goodall	\$993,839	\$993,839
Sanford S.D.	P.S. upgrade - Airport	\$349,918	\$349,918
Sinclair SD	Sewer extension	\$966,717	\$966,717
South Berwick	Pump station upgrade, sewer improvement, T.P. odor control	\$1,919,551	\$1,919,551
South Portland	CSO Sewer Work	\$8,333,256	\$12,423,197
Stockton Springs	sewer extension	\$9,735,991	\$9,735,991
Topsham	sewer rehab	\$1,585,105	\$1,585,105
Vassalboro	TMDL study to be done	\$0	\$0
Washburn	WWTF upgrade & sewer ext	\$657,413	\$657,413
Westbrook	CSO Sewer Work	\$7,308,290	\$14,683,565
Windham, North	New sewer sys & plant	\$0	\$33,264,844
Winslow	CSO Sewer Work	\$686,743	\$686,743
Winterport S.D.	WWTF upgrade to sec	\$7,923,566	\$7,923,566
Winthrop S. D.	sewer replacement 300' /year	\$253,642	\$253,642
Yarmouth	TMDL study to be done	\$0	\$0
Yarmouth	T.P. dewatering upgrade	\$825,807	\$825,807
York S.D.	3 Pump Station upgrades, sewer rehab, sewer ext. to pick up failed septic systems	\$17,900,000	\$17,900,000
<b>TOTAL</b>		<b>\$347,708,068</b>	<b>\$532,857,297</b>

PS =	PUMP STATION
WWTP =	WASTEWATER TREATMENT PLANT
TMDL =	TOTAL MAXIMUM DAILY LOAD
I/I =	INFLOW AND INFILTRATION

# APPENDIX H

## MAINE CSO COMMUNITY FLOW DATA

		Annual Volumes (Gallons)																						
		Year																						
Community	NPDES Permit No.	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	
<b>No longer a CSO Community</b>																								
Auburn S.D.	ME0100005	99,720,000	99,720,000	99,720,000	99,720,000	99,720,000	99,720,000	99,720,000	99,720,000	99,720,000	99,720,000	99,720,000	99,720,000	99,720,000	99,720,000	99,720,000	99,720,000	99,720,000	99,720,000	99,720,000	99,720,000	99,720,000	99,720,000	
Bangor	ME0100781	635,000,000	635,000,000	635,000,000	525,000,000	533,000,000	384,000,000	403,000,000	416,000,000	344,000,000	317,730,000	329,000,000	285,910,000	230,190,000	88,430,000	161,000,000	204,000,000	193,870,000	303,160,000	272,750,000	150,580,000	378,640,000		
Bar Harbor	ME0101214 & ME0102466	32,000,000	32,000,000	32,000,000	32,000,000	32,000,000	32,000,000	31,900,000	14,700,000	14,700,000	13,160,915	1,919,628	17,627,806	4,730,155	384,531	2,729,389	290,133	13,661,958	5,102,820	8,719,436	12,601,889			
Bath	ME0100021	600,000,000	600,000,000	600,000,000	600,000,000	600,000,000	600,000,000	600,000,000	52,600,000	37,000,000	37,000,000	37,000,000	37,000,000	5,910,364	6,173,760	4,341,921	16,496,467	6,055,666	60,338,026	36,105,688	20,783,335	24,383,599		
Belfast	ME0101532	736,000	736,000	736,000	736,000	736,000	736,000	736,000	736,000	736,000	736,000	736,000	736,000	617,517	617,517	46,000	0	0	1,796,747	485,451	1,035,392	198,370		
Biddeford	ME0100048	400,000,000	400,000,000	400,000,000	400,000,000	400,000,000	400,000,000	400,000,000	400,000,000	400,000,000	160,000,000	286,924,366	191,155,589	234,987,578	145,356,657	415,694,234	136,417,937	101,087,776	301,372,131	163,423,532	150,304,402	147,313,000		
Brewer	ME0100072	750,000,000	750,000,000	750,000,000	750,000,000	750,000,000	725,000,000	725,000,000	725,000,000	725,000,000	725,000,000	210,670,800	423,644,459	322,168,651	243,176,051	417,536,641	509,412,078	279,830,419	592,984,187	247,538,580	231,283,607	289,560,294		
Bucksport	ME0100111	53,000,000	53,000,000	53,000,000	53,000,000	53,000,000	53,000,000	53,000,000	53,000,000	53,000,000	53,000,000	53,000,000	53,000,000	53,000,000	53,000,000	53,000,000	53,000,000	53,000,000	371,970	16,623,000	5,546,501	20,000		
Calais	ME0100129	42,000,000	42,000,000	42,000,000	42,000,000	42,000,000	42,000,000	42,000,000	42,000,000	42,000,000	42,000,000	42,000,000	42,000,000	42,000,000	42,000,000	42,000,000	42,000,000	26,280,000	5,290,000	42,140,000	20,409,850	22,060,520	18,989,779	
Cape Elizabeth (PWD)		5,400,000	5,400,000	5,400,000	5,400,000	5,400,000	5,400,000	5,400,000	5,400,000	5,400,000	5,400,000	5,400,000	5,400,000	5,400,000	5,400,000	100,000	0	630,000	1,325,000	4,807,000	5,365,000	3,254,000	2,567,000	
Corinna S.D.	ME0100153	40,000,000	40,000,000	40,000,000	40,000,000	40,000,000	40,000,000	40,000,000	40,000,000	40,000,000	40,000,000	20,000	22,000	27,000	31,000	25,000	2,000	2,000	0	0	0	0	0	
Dover-Foxcroft	ME0100501	16,000	16,000	16,000	16,000	16,000	4,000	16,000	12,000	2,000	8,000	0	6,000	0	2,000	0	0	0	0	199,000	0	0	0	
East Millinocket	ME0100196	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	1,200,000	301,461	221,954	221,954	0	0	0	0	0	0	0	
Fairfield	ME0102393	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	300,000	221,954	221,954	221,954	65,296	0	0	0	0	0	0	
Fort Kent U.D.	ME0102369	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	0	2,200	0	0	2,400	41,000	600,000	0	0	0	
Gardiner	ME0101702	44,000,000	44,000,000	44,000,000	44,000,000	44,000,000	44,000,000	44,000,000	44,000,000	44,000,000	44,000,000	44,000,000	43,948,000	7,843,400	8,278,600	6,487,000	11,528,900	13,149,700	5,113,000	46,616,000	10,269,400	2,487,000	5,000,000	
Greater Augusta U.D.	ME0100013	72,554,000	72,554,000	72,554,000	72,554,000	72,554,000	72,554,000	72,554,000	72,554,000	72,554,000	1,053,717	3,411,410	72,554,222	5,615,140	2,705,324	2,191,067	7,089,337	3,881,421	26,553,055	14,539,424	10,000,000	48,965,215		
Hallowell W.D. - 2008 GAUD	ME0101010	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	300,000	150,000	0	0	100,000	0	700,000	150,000	150,000	0	0	
Hampden	ME0102512	1,201,000	39,800	389,000	797,500	282,875	265,834	1,703,766	493,399	528,960	1,716,002	106,355	113,282	1,474,767	1,218,000	0	282,900	0	43,862,280	0	85,000	0	0	
Kennebec S.T.D.	ME0100854	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	2,500,000	436,994	399,843	3,088,240	3,043,421	421,162	0	858,175	341,948	2,438,706	385,734	1,136,649	2,209,107		
Kittery	ME0100285	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	350,000	150,000	100,000	0	50,000	0	0	0	33,900	0	0	0	0	
Lewiston	ME0100994	208,900,000	208,900,000	208,900,000	208,900,000	208,900,000	208,900,000	208,900,000	208,900,000	208,900,000	208,900,000	94,105,000	142,000,000	215,300,000	136,898,295	61,370,660	176,395,415	199,236,985	82,766,343	249,891,633	159,807,018	90,983,189	152,039,341	
Lewiston-Auburn W.P.C.A.	ME0101478	480,000,000	480,000,000	480,000,000	480,000,000	480,000,000	480,000,000	480,000,000	480,000,000	480,000,000	480,000,000	480,000,000	480,000,000	480,000,000	480,000,000	107,988,000	135,764,000	113,088,000	83,045,000	480,025,000	265,521,000	142,296,000	292,244,000	
Lincoln S.D.	ME0101796	2,400,000	2,400,000	2,400,000	2,400,000	2,400,000	2,400,000	2,400,000	2,400,000	2,400,000	1,216,350	86,982	2,411,050	349,276	1,057,000	0	0	0	0	0	0	0	0	0
Lisbon	ME0100307	600,000	600,000	600,000	600,000	600,000	600,000	600,000	600,000	600,000	600,000	600,000	600,000	850,000	300,000	83,000	0	0	0	0	0	0	0	
Livermore Falls	ME0100315																							
Machias	ME0100323	7,000,000	7,000,000	7,000,000	7,000,000	7,000,000	7,000,000	7,000,000	7,000,000	7,000,000	7,000,000	7,000,000	963,052	1,184,000	690,000	0	722,293	2,533,245	2,124,118	6,646,222	3,008,025	2,263,720	2,328,905	
Madawaska	ME 0101681	3,200,000	3,200,000	3,200,000	3,200,000	3,200,000	3,200,000	2,014,000	3,094,500	3,242,000	2,400,000	4,404,640	457,409	0	610,000	11,398	3,892	100,000	1,749,764	8,215,460	3,700,002	2,667,765	24,194,225	
Mechanic Falls S.D.	ME0100391	18,000,000	18,000,000	18,000,000	18,000,000	18,000,000	18,000,000	18,000,000	18,000,000	18,000,000	18,000,000	3,544,743	11,098,872	17,997,322	3,923,998	1,001,489	2,389,769	963,114	11,765,409	9,419,000	11,853,000	11,223,600		
Milford	ME0102695	220,000	220,000	220,000	220,000	220,000	220,000	220,000	220,000	220,000	220,000	220,000	220,000	220,000	220,000	220,000	220,000	220,000	220,000	0	211,070	0	88,365	
Milo W.D.	ME0100439	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	1,000	0	0	2,000	0	10,000	0	501,000	750	
Old Town	ME0100471	6,300,000	6,300,000	6,300,000	6,300,000	6,300,000	6,300,000	6,300,000	6,300,000	6,300,000	6,300,000	6,300,000	6,300,000	6,300,000	6,300,000	6,300,000	0	1,597,324	6,296,537	425,832	4,779,340	321,105	770,699	
Orono	ME0100498	31,000,000	31,000,000	25,500,000	20,800,000	19,100,000	8,600,000	31,600,000	8,900,000	11,100,000	22,200,000	19,600	6,956,500	5,234,000	2,603,000	0	494,000	1,179,000	0	18,467,330	1,314,000	7,360,000	4,820,000	
Paris U.D.	ME 0100951	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	17,900	0	300,000	0	0	175,000	0	288,000	173,500	206,000	84,000	
Portland & PWD	City-ME0101435 / PWD-ME0102075	1,800,000,000	1,800,000,000	1,800,000,000	1,800,000,000	1,800,000,000	1,800,000,000	1,800,000,000	1,800,000,000	1,800,000,000	1,800,000,000	457,505,000	1,788,201,000	740,737,000	993,511,000	807,157,162	1,245,153,000	454,680,000	607,351,945	1,296,000,000	1,816,525,856	589,203,712	883,105,087	
Presque Isle	ME0100561	27,500,000	27,500,000	27,500,000	27,500,000	27,500,000	27,500,000	27,500,000	27,500,000	27,500,000	4,390,000	27,487,000	10,194,000	7,234,000	113,000									
Randolph	ME0102423	10,000,000	10,00																					

# APPENDIX I

## MAINE CSO COMMUNITY ANNUAL NUMBER OF CSO DISCHARGE EVENTS

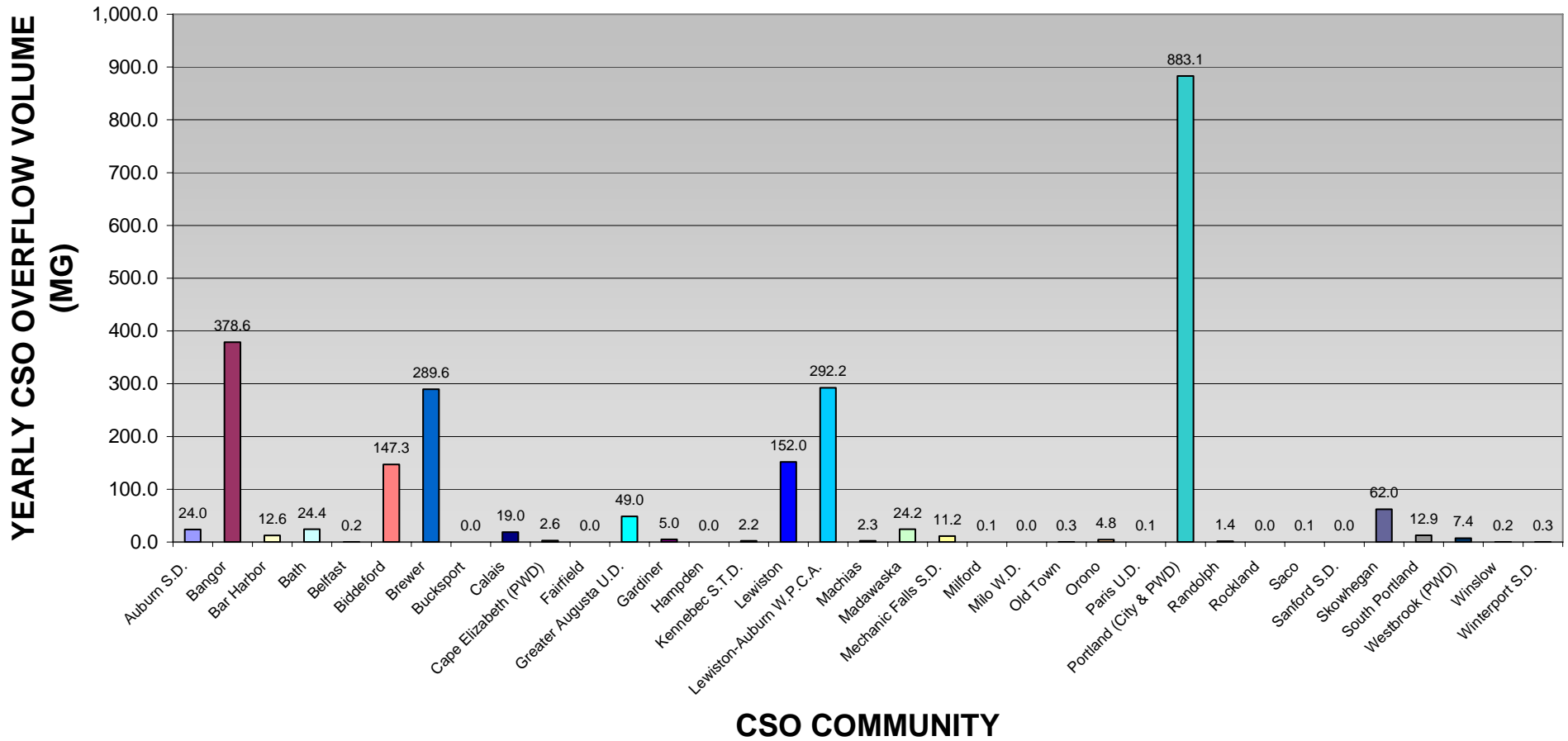
Community		Annual Number of CSO Discharge Events																				
		1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	Year										2006
		1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	
No longer a CSO Community																						
Auburn S.D.	ME0100005	80	80	80	80	80	80	21	21	10	10	7	7	7	7	44	67	62	24	58	37	42
Augusta S.D.	ME0100781	80	80	80	80	80	80	80	80	80	80	39	79	59	73	25	58	70	58	73	50	29
Bangor	ME0101214 & ME0102466	53	53	53	53	52	37	46	49	49	41	38	44	33	37	20	40	49	42	46	58	25
Bar Harbor	ME0100021	155	155	155	155	155	155	155	155	155	155	154	47	98	44	7	21	16	5	22	18	10
Bath	ME0101532	64	64	64	64	64	64	64	64	64	64	64	30	37	21	10	25	23	20	33	32	25
Belfast	ME0100048	7	7	7	7	7	7	7	7	7	7	7	5	7	7	1	0	0	0	5	3	5
Biddeford	ME0100072	180	180	180	180	180	180	180	180	180	180	94	147	162	184	140	150	93	61	104	82	70
Brewer	ME0100111	95	95	95	95	95	95	66	66	66	66	22	92	95	80	53	72	66	72	78	45	38
Bucksport	ME0100129	53	53	53	53	53	53	53	53	53	53	53	10	17	10	32	24	25	8	24	18	2
Calais		15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	9	15	5	8
Cape Elizabeth (PWD)		5	5	5	5	5	5	5	5	5	5	2	3	5	5	3	0	2	5	20	20	5
Corinna S.D.	ME0100501	30	30	30	30	30	30	30	30	30	30	15	16	26	23	19	1	1	0			
Dover-Foxcroft	ME0100196	8	8	8	8	8	2	8	6	1	4	0	3	0	1	0	0	0	0	2	0	
East Millinocket	ME0102393	11	11	11	11	11	11	11	11	11	11	11	11	0	0	0	0	0	0	0	0	
Fairfield	ME0102369	15	15	15	15	15	15	15	15	15	15	4	4	4	4	4	4	0	0	0	0	0
Fort Kent U.D.	ME0101702	10	10	10	10	10	10	10	10	10	10	10	10	0	2	0	0	2	1	4		
Gardiner	ME0100013	20	20	20	20	20	20	20	20	20	20	5	19	11	13	9	13	24	11	41	14	2
Hallowell W.D.	ME0101010	6	6	6	6	6	6	6	6	6	6	3	4	6	3	0	0	2	0	14	3	3
Hampden	ME0102512	1	3	8	10	7	4	17	18	8	14	8	1	11	9	0	0	2	0	13	0	1
Kennebec S.T.D.	ME0100854	15	15	15	15	15	15	15	15	15	15	15	8	6	6	4	0	5	7	9	3	1
Kittery	ME0100285	7	7	7	7	7	7	7	7	7	7	3	2	0	1	1	0	0	1	0		
Lewiston	ME0100994	80	80	80	80	80	80	80	80	80	80	46	71	62	70	43	57	55	65	69	70	38
Lewiston-Auburn W.P.C.A.	ME0101478	80	80	80	80	80	80	80	80	80	80	80	80	80	41	28	25	23	35	49	44	29
Lincoln S.D.	ME0101796	10	10	10	10	10	10	10	10	10	5	1	3	11	2							
Lisbon	ME0100307	5	5	5	5	5	5	5	5	5	5	5	5	1	1	1	0	0	0			
Livermore Falls	ME0100315											0	0									
Machias	ME0100323	8	8	8	8	5	7	3	9	3	3	3	2	9	5	0	4	16	8	15	10	5
Madawaska	ME 0101681	16	16	16	16	16	16	91	91	27	26	16	12	0	3	1	1	7	4	65	14	17
Mechanic Falls S.D.	ME0100391	25	25	25	25	25	25	25	25	25	25	24	25	18	10	15	20	12	29	23	9	9
Milford	ME0102695	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	0	8	0
Milo W.D.	ME0100439	3	3	3	3	3	3	3	3	3	3	3	3	3	1	0	0	1	0	1	0	2
Oakland																						
Old Town	ME0100498	25	25	25	25	25	25	25	25	25	25	3	5	4	0	5	7	1	13	1	4	4
Orono	ME 0100951	30	30	28	29	19	12	25	27	18	37	3	7	12	4	0	1	2	0	12	3	6
Paris U.D.	City-ME0101435 / PWD-ME0102075	5	5	5	5	5	5	5	5	5	5	5	5	0	1	0	0	1	0	2	2	2
Portland & PWD	ME0100561	100	100	100	100	100	100	100	100	100	100	61	102	81	83	58	141	71	86	88	93	58
Presque Isle	ME0102423	26	26	26	26	26	26	26	26	26	26	17	26	12	14	4						
Randolph	ME0100595	23	23	23	23	23	23	23	23	23	23	23	23	23	19	3	2	0	8	3	1	1
Rockland	ME 0101117	23	23	23	23	23	23	23	23	23	23	12	23	18	8	5	11	6	2	0	0	0
Saco	ME0100617	40	40	40	40	40	40	40	40	40	44	36	33	39	44	22	36	22	32	41	24	12
Sanford S.D.	ME0100625	10	10	10	10	10	10	10	10	10	10	10	10	3	1	0	0	0	0	0	1	0
Skowhegan	ME0100633	150	150	150	150	150	150	150	150	150	150	108	111	111	161	95	115	77	53	81	81	55
S. Maine Tech. College																			1			
South Portland	ME0102628	23	23	23	23	23	23	23	23	23	23	21	23	23	15	12	11	10	10	20	20	5
Unity	ME0100749																					
Westbrook (PWD)	ME0100765	34	34	34	34	34	34	34	34	34	34	34	30	19	16	15	33	7	13	17	31	55
Winslow		0	20	20	20	20	20	20	20	20	20	10	10	1	0	0	0	0	0	1	0	3
Winterport S.D.		0	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	8	1	2	0	1
Yarmouth		0	4	4	4	4	4	4	4	4	4	4	4	4	2	1	0					
<b>Total</b>		<b>1661</b>	<b>1663</b>	<b>1666</b>	<b>1669</b>	<b>1652</b>	<b>1623</b>	<b>1647</b>	<b>1657</b>	<b>1552</b>	<b>1570</b>	<b>1108</b>	<b>1165</b>	<b>1145</b>	<b>1048</b>	<b>712</b>	<b>959</b>	<b>800</b>	<b>655</b>	<b>1074</b>	<b>816</b>	<b>568</b>
Median		20	20	20	20	20	20	21	21	20	20	12	10	11	8	4.5	4	7	5	15	12	5
Mean		37	37	37	37	37	36	37	37	34	35	25	26	25	24	16	22	19	15	27	21	16

Numbers in blue are estimated from LTCP/MP or other source.

APPENDIX J



2008 CSO FLOW COMPARISON BY COMMUNITY



## APPENDIX K

### DEP Certificates of Achievement

Every year the Department presents a DEP Certificate of Achievement to professionals in the wastewater field that have done an outstanding job and made significant contributions to protecting and improving the waters of the state. The awards are presented at the Maine Wastewater Control Association fall convention. Recipients for the last 5 years are shown below.

#### 2008

City of Bangor Wastewater Treatment Facility  
Tammy Bonner – Former Town Manager – Danforth  
Saco Wastewater Treatment Facility

#### 2007

Mark Soucy, Greg Bernier, Rick Berube and Jared Royal - Fort Kent Wastewater Department  
Jon Carman - J.M.C. Wastewater Services  
Shawn Brown - Norway Wastewater Treatment Facility

#### 2006

Everett Hale – Millinocket Wastewater Treatment Facility  
Gary Levesque - Fort Fairfield Utilities District  
Andre' Gendreau - Grand Isle Wastewater Treatment Facility  
Gorman Chamberlain – Sinclair Wastewater Treatment Facility  
Danny Bolduc, Bill Wood – Oakland Wastewater Treatment Plant  
Gerry Kamke, Everett Ridley, Steve Aievoli, Matt Bergmann, Ryan Leighton – Lisbon Wastewater Treatment Plant  
Jeff Demers – Biddeford Public Works Department

#### 2005

Dave Buffum - Berwick Sewer District  
Frank Kearney and Bob Lento - Mars Hill Utility District  
Richard "Chou" Castonguay - Van Buren Wastewater Treatment Facility

#### 2004

Dale Clark - Anson Madison Sanitary District  
Dave Dietrich - Blue Hill Wastewater Treatment Facility  
Gerry Raymond and staff - Eagle Lake Water and Sewer District