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Status of Licensed Discharges

Maine Department of Environmental Protection

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**Report to the Joint Standing Committee on
Environment and Natural Resources
126th Legislature, First Session**

Status of Licensed Discharges

July 2013

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Executive Summary

The Maine Department of Environmental Protection (Department) is submitting this report to the Joint Standing Committee on the Environment and Natural Resources pursuant to 38 M.R.S.A. § 464(3)(C), which requires that “the commissioner report annually to each regular session of the Legislature on the status of licensed discharges.” Discharges of wastewater to waters of the state are required to be licensed under state and federal law to ensure protection and improvement of water quality.

This report contains the following summary information for licensed discharges:

- Type (number and types of discharges)
- Licensing (number of current and expired permits)
- Compliance (variety of compliance metrics)
- Environmental performance (variety of performance metrics)
- Enforcement (number and types of enforcement actions)
- Financial (funding needs of publicly owned treatment works (POTWs))

Licensed discharges include sources such as POTWs and commercial and industrial dischargers (Non-POTWs). POTWs are municipal or quasi-municipal wastewater treatment facilities that treat residential, commercial and industrial wastewater. Non-POTWs comprise a variety of municipal, commercial, or industrial dischargers. For the purposes of this report, licensed discharges from these sources are referred to as point source dischargers.

Licensed discharges also include sources such as small commercial and residential overboard discharges (OBDs). OBDs are treated discharges to surface waters of domestic pollutants that are not conveyed and treated in municipal or quasi-municipal treatment facilities. OBDs are summarized separately in this report at Section VII.

In 2012, positive trends continued to be seen. Compliance rates were in the 95% range, OBD's declined with the removal of 72 OBD's, and reductions were seen in the number of combined sewer overflow outfalls.

Overview

There are 401-point source discharges in the state of Maine: 164 POTWs and 237 non-POTWs. The majority of discharges are to surface waters. However, 41 facilities discharge via spray irrigation onto dedicated land and 23 facilities discharge to subsurface systems.

All of these systems are licensed by the Department to implement the requirements of federal and state law. These discharge licenses contain requirements for the types and amounts of pollutants that can be discharged and operating requirements to ensure that water quality standards will be met.

Overall compliance rates for licensed discharges are very good with 95% of all discharges being in substantial compliance in 2012, and the majority discharging levels of pollutants well below their licensed amount. Any incidences of noncompliance are reviewed by the Department and addressed with the most appropriate tool to address the issue and ensure a return to compliance. In 2012, the Department initiated 53 enforcement actions against licensed discharges using a range of enforcement tools in a system of progressive enforcement.

The total number of licensed OBDs continues to decline steadily due to recent changes in the law that compels removal of these systems in certain instances where feasible. In 2012, a total of 72 OBDs were removed.

Issues to Watch

Wastewater funding needs: The ongoing funding needs of Maine POTWs 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. Total known needs are approximately \$1 billion. This includes approximately \$379 million for abatement of combined sewer overflows (CSO).

While much work requiring funding remains to be done within some of the 32 CSO communities, there has been significant progress made on CSO abatement since 1989 when the program started. The following statistics highlight that progress from 1989 to 2012:

- Reduction in CSO outfall locations: 53% (340 to 159)
- Reduction in CSO events: 69% (1,753 to 547)
- Reduction in total volume: 79% (6.15 million gallons to 1.28 million gallons - approximate)
- Reduction in CSO volume per inch of precipitation: 79% (128 million gals/inch to 27 million gals/inch - approximate)

Matching Funds for the Clean Water State Revolving Fund (CWSRF): The CWSRF continues to be an important funding source for wastewater infrastructure needs. Each year the federal Environmental Protection Agency makes CWSRF capitalization grants available to all states that provide 20% matching funds. In 2012, the CWSRF made approximately \$50 million in low interest loans to a variety of entities for municipal, agricultural and forestry clean water projects.

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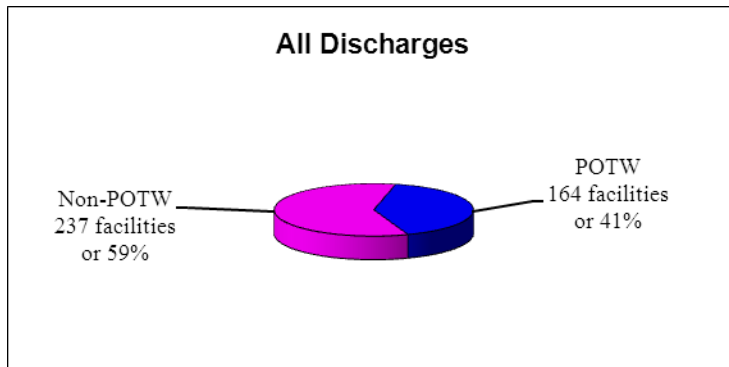
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I. Summary of Point Source Discharges by Type

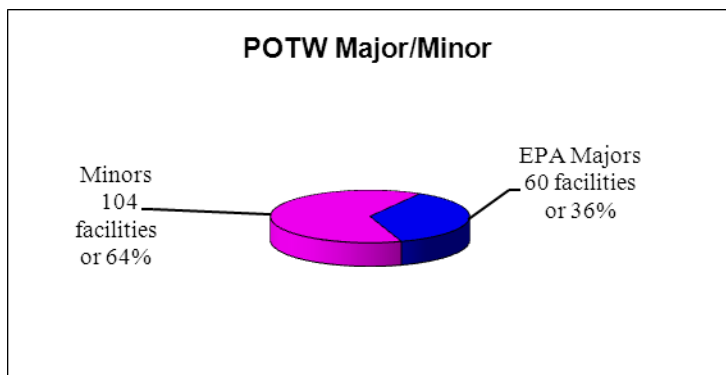
As of December 31, 2012, there were 401 licensed point source discharges in the state of Maine.

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

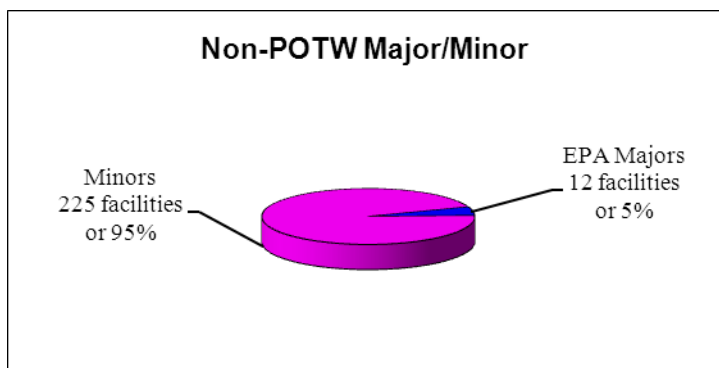
In addition, Appendices A through G list all of the discharges by category and location and provide other select information about the discharges.



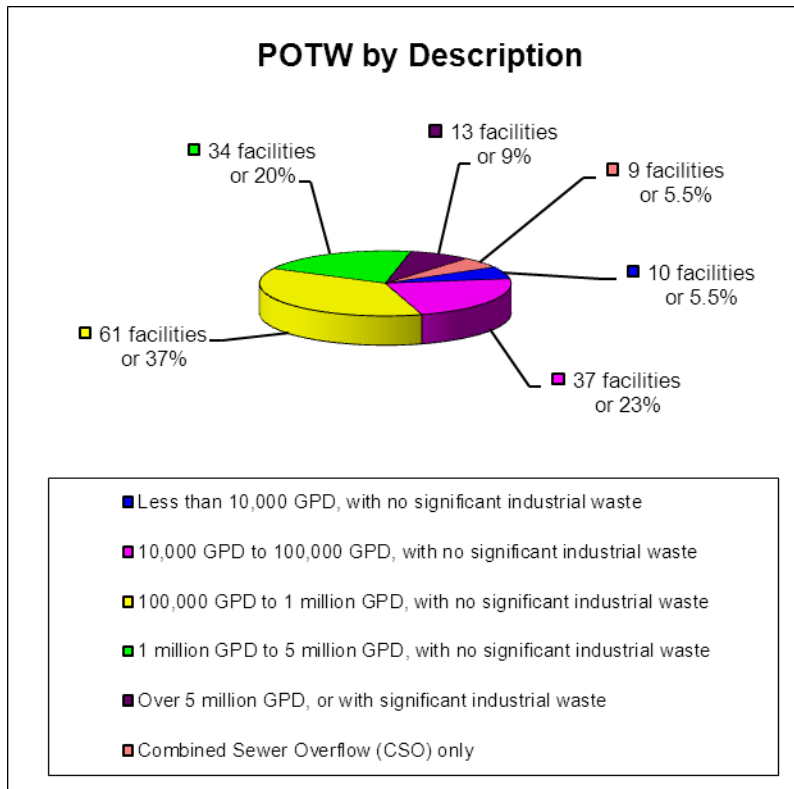
Discharges are categorized as Publicly Owned Treatment Works (POTWs) or Non-POTWs. POTWs are municipal or quasi-municipal wastewater treatment facilities that treat residential, commercial and industrial wastewater. Non-POTWs comprise a variety of municipal, commercial, or industrial dischargers as indicated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



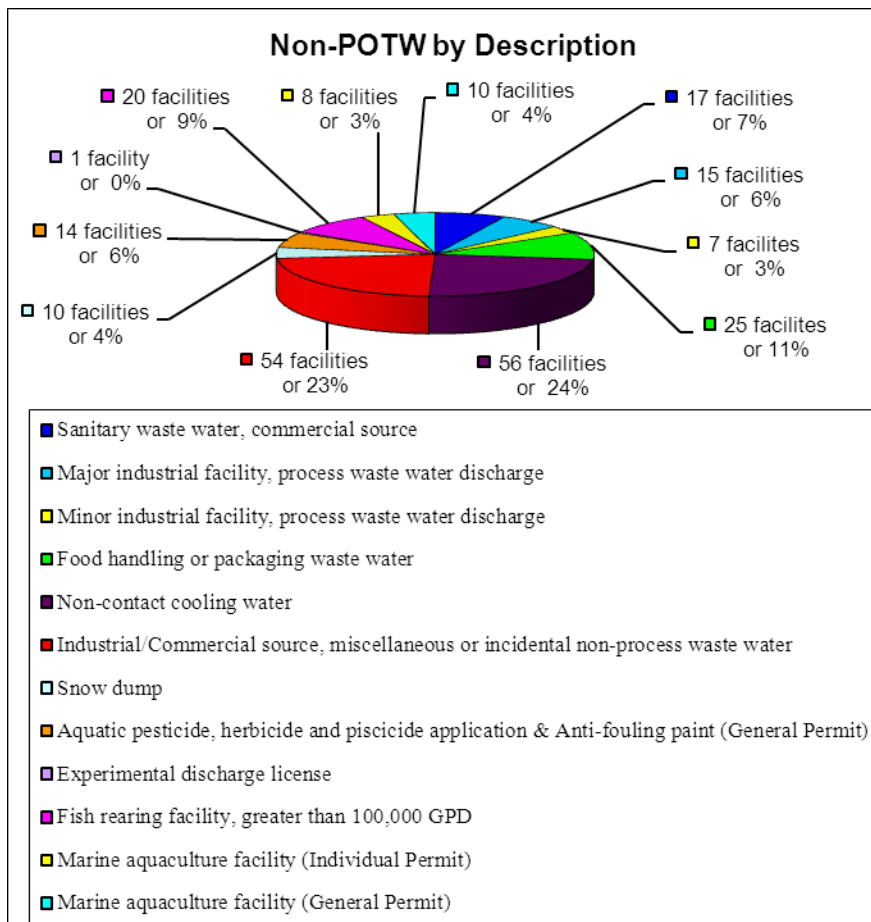
Discharges are further categorized as Major or Minor. Major POTW dischargers are those facilities with design flows greater than one million gallons per day and facilities with approved industrial pretreatment programs. Major Non-POTW dischargers are determined by rating criteria developed by the Environmental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



Summary of Point Source Discharges by Type

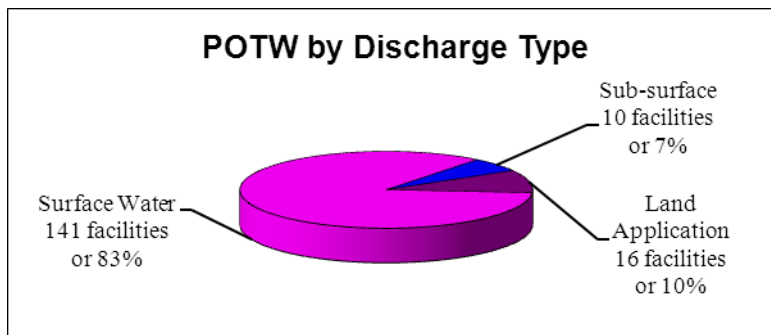


The size of POTWs varies greatly. The smallest POTW has a licensed flow of 2,000 gallons per day. The largest POTW has a licensed flow of 19.8 million gallons per day.

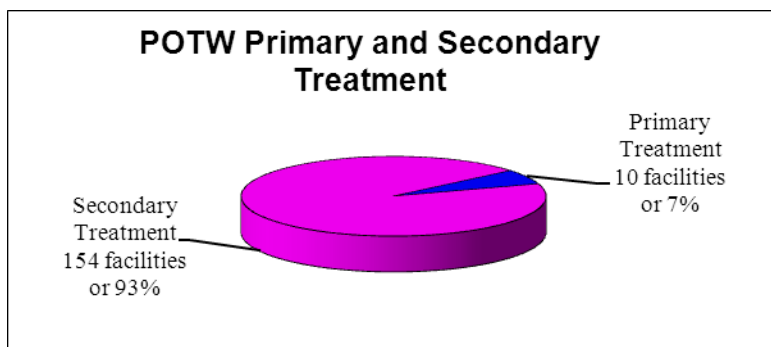
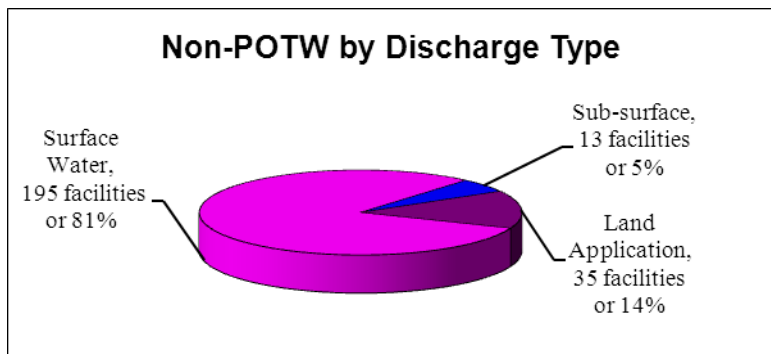


The type of Non-POTW discharges varies greatly, from the largest paper mill that has a licensed flow of 51 million gallons per day to small snow dumps.

Summary of Point Source Discharges by Type

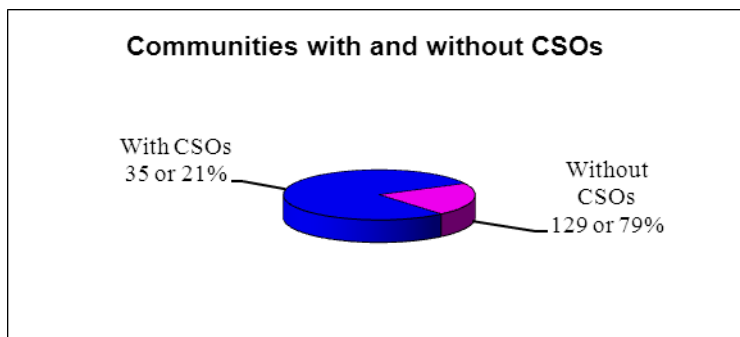
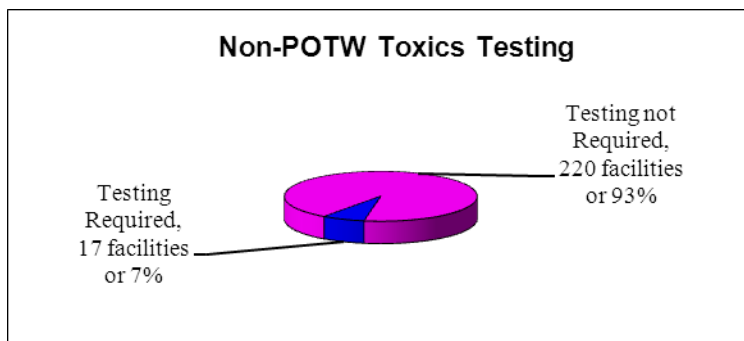
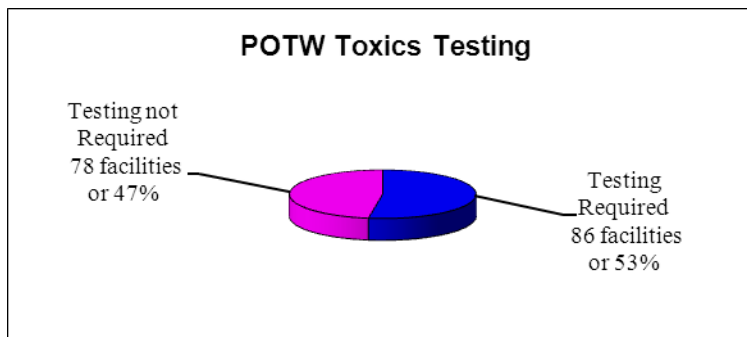


The majority of discharges are to surface waters. However, some facilities discharge via spray irrigation to land, or to subsurface systems. Seven facilities discharge in more than one way.



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). 10 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.

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.

* Additional CSO data can be found in the Department's *Combined Sewer Overflow Status Report*.

II. 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 cannot issue a discharge license unless it finds that water quality will be protected.

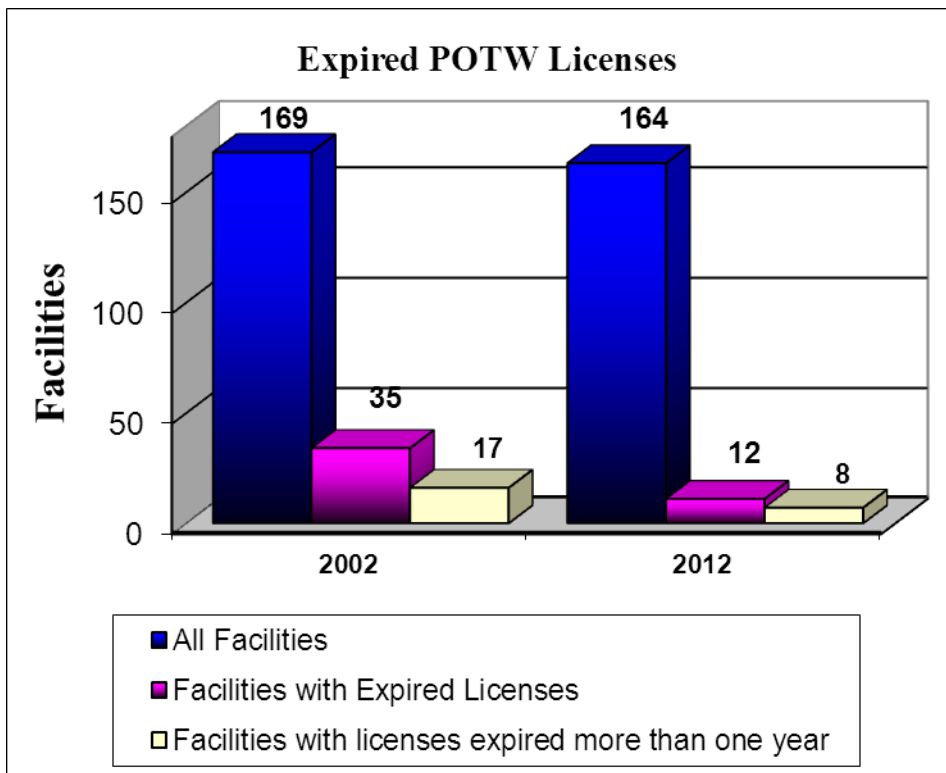
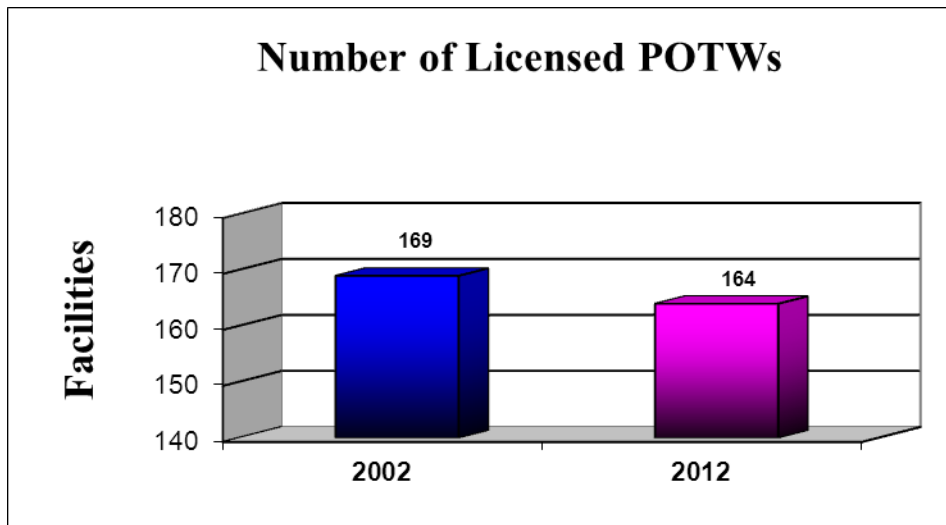
On January 12, 2001 and October 31, 2003, Maine received authorization from the EPA to implement the National Pollutant Discharge Elimination System (NPDES) Program. With these decisions, the DEP is now the primary authority for administering the Clean Water Act NPDES program in Maine.

Appendices A through G 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.

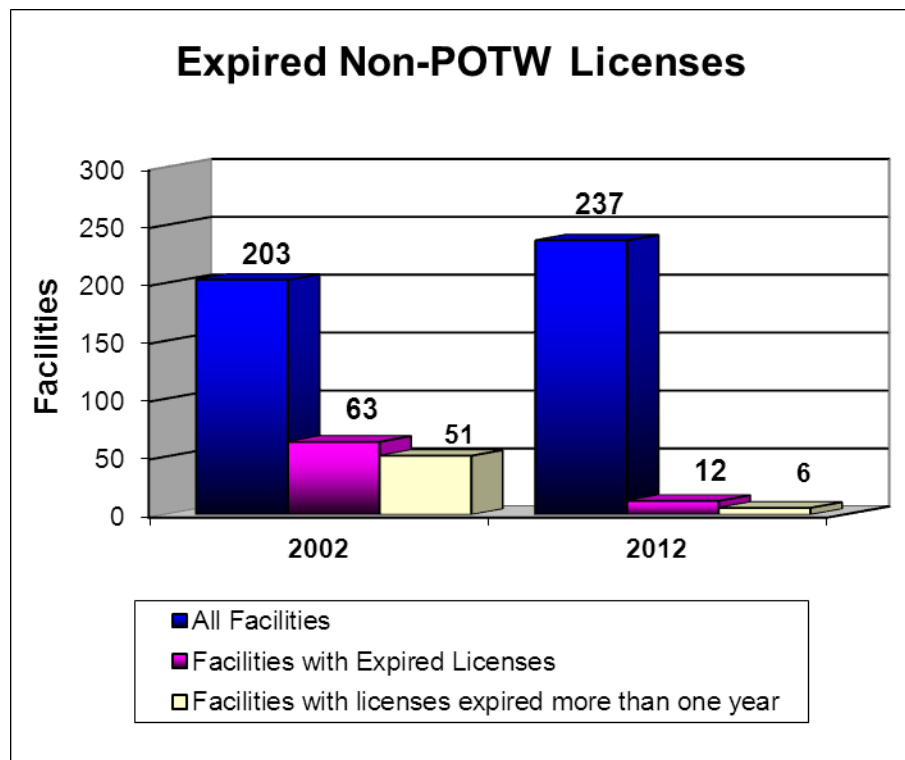
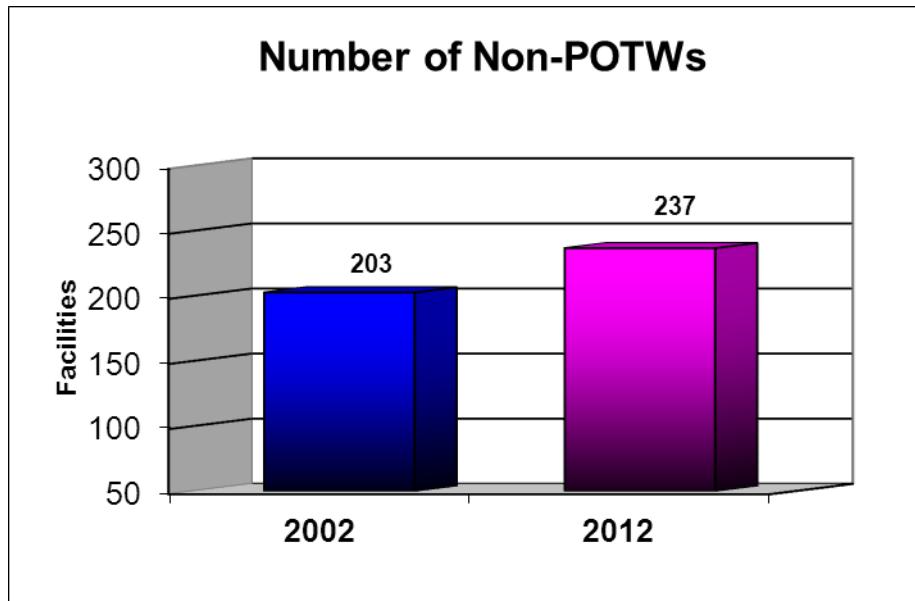
Licensing Status of Point Source Discharges

The following 2 charts indicate changes in the number of licensed POTWs and their licensing status in 2002 and 2012.



Licensing Status of Point Source Discharges

The following 2 charts indicate changes in the number of licensed Non-POTWs and their licensing status in 2002 and 2012.



III. 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 2012. 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.

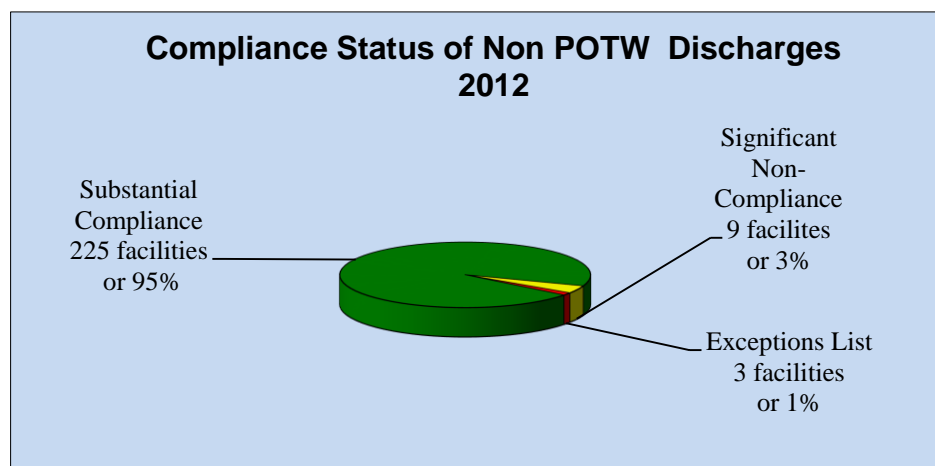
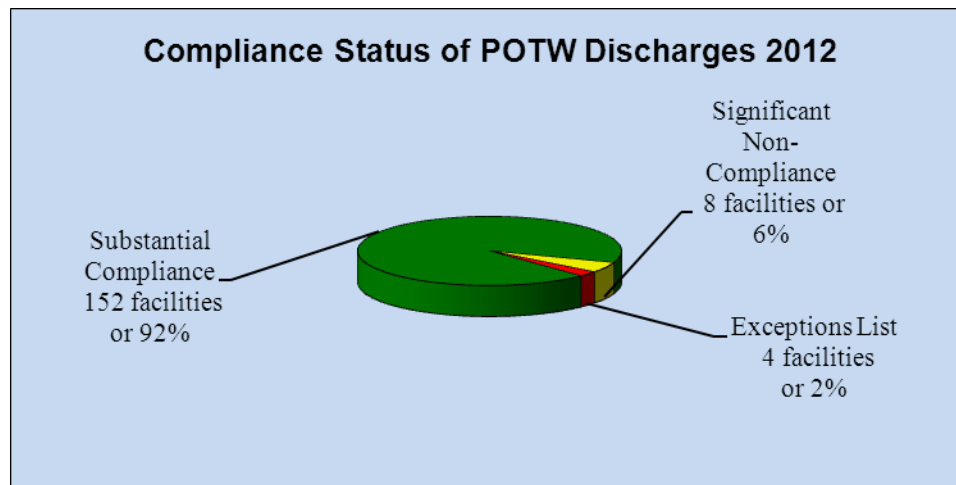
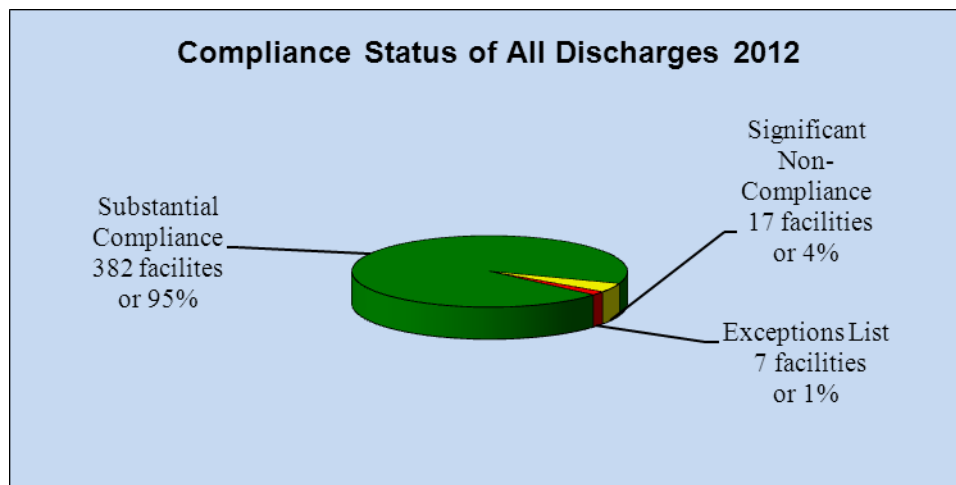
SNC and EL are compliance status criteria developed by the EPA and utilized by the DEP to track compliance. For the purposes of this report and routine compliance assessments, the DEP has chosen to include all permit limits as potential SNC and EL criteria. EPA uses a more abbreviated list.

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

Appendices H and I 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 2012 of licensed discharges based on SNC and EL criteria.



IV. 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 dischargers. 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. For only the 72 Major Facilities, in any given month, there are approximately 16,600 opportunities for an exceedance to be measured.

To illustrate this, the following table indicates the number of violations for biochemical oxygen demand (BOD) and total suspended solids (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.

	BOD		TSS	
	Number of Violations	% of possible violations	Number of Violations	% of possible violations
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%
FY 08-09	91	0.54%	61	0.63%
FY 09-10	102	0.88%	51	0.44%
FY 10-11	46	0.33%	29	0.21%
FY 11-12	92	0.47%	84	0.6%

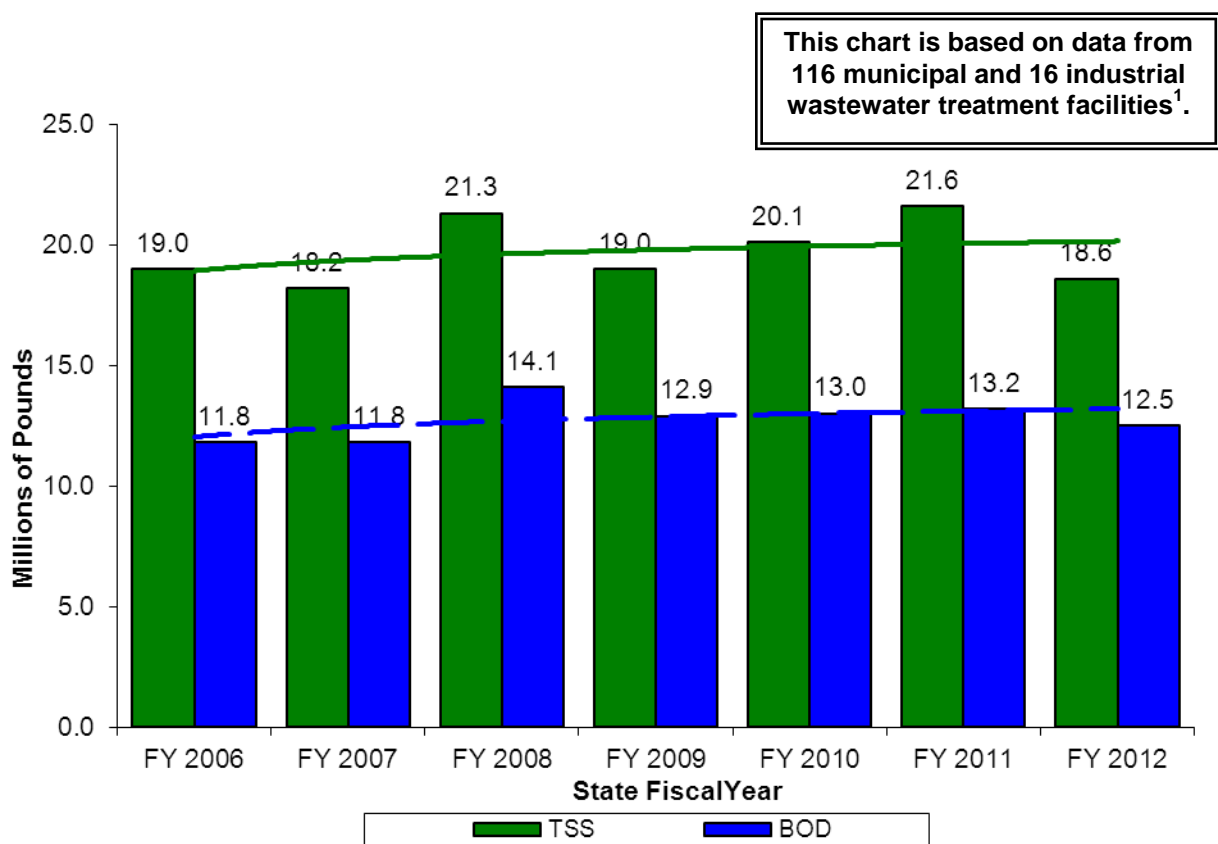
This table indicates that while violations do occur, they are a very small percentage of possible violations and may not be indicative of poor performance or overall compliance.

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 trend in the discharge of *BOD* and *TSS*. The fluctuations of these two parameters can be attributed to the increased level of performance at municipal and industrial wastewater treatment facilities, changes in flows at municipal facilities due to precipitation, changes in production output at some industrial facilities, and the temporary or permanent closure of some industrial facilities.

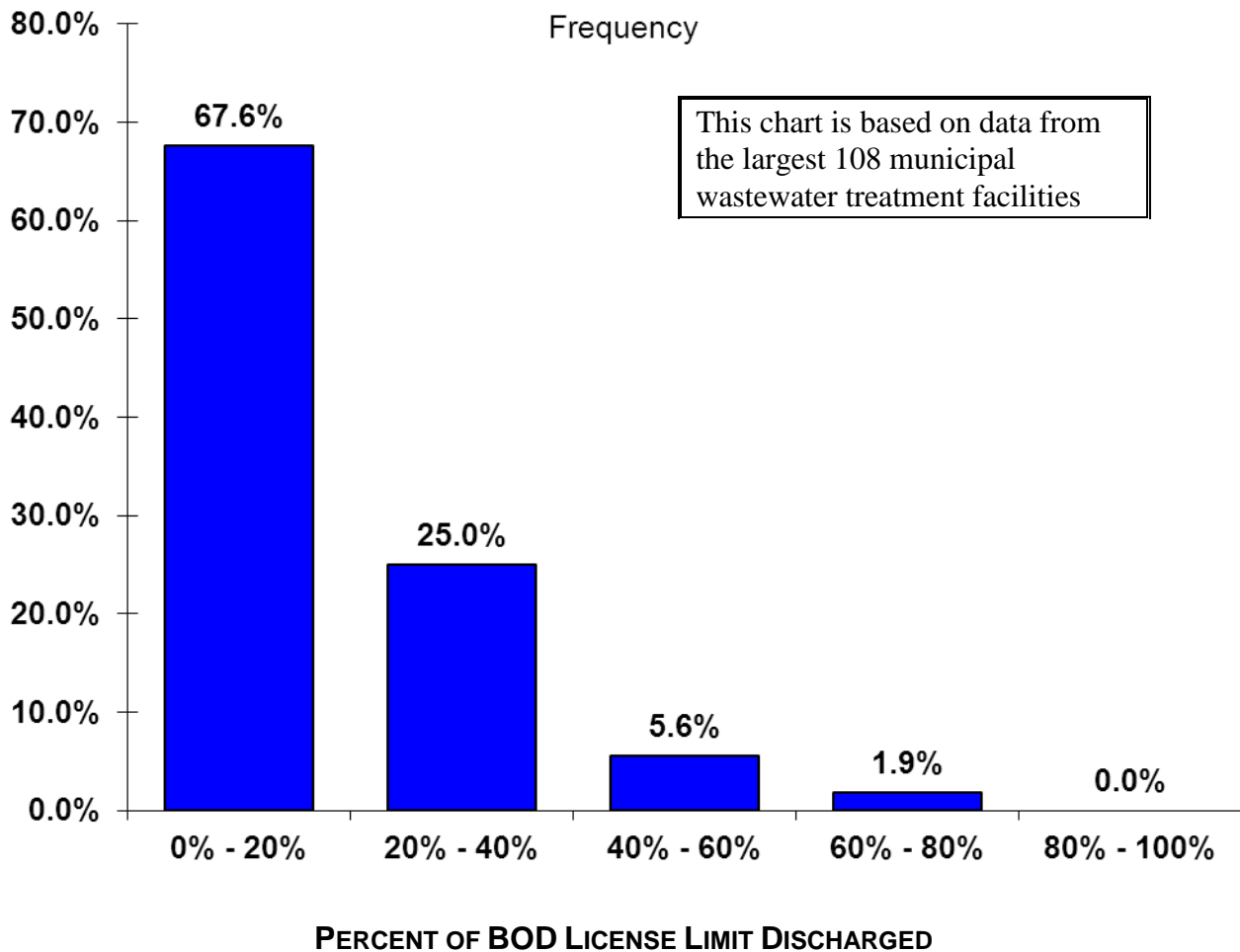
COMMON POLLUTANTS DISCHARGED BY POTWS AND INDUSTRIES



¹This chart was originally created using data from 116 POTWs and 16 Industrial direct dischargers. Over time, the number of POTWs has decreased to 108 due to closures and replacement of facilities that discharge to surface waters by facilities that discharge to land through spray irrigation. Similarly, the original 16 industrial dischargers have been reduced to 12 due to closings.

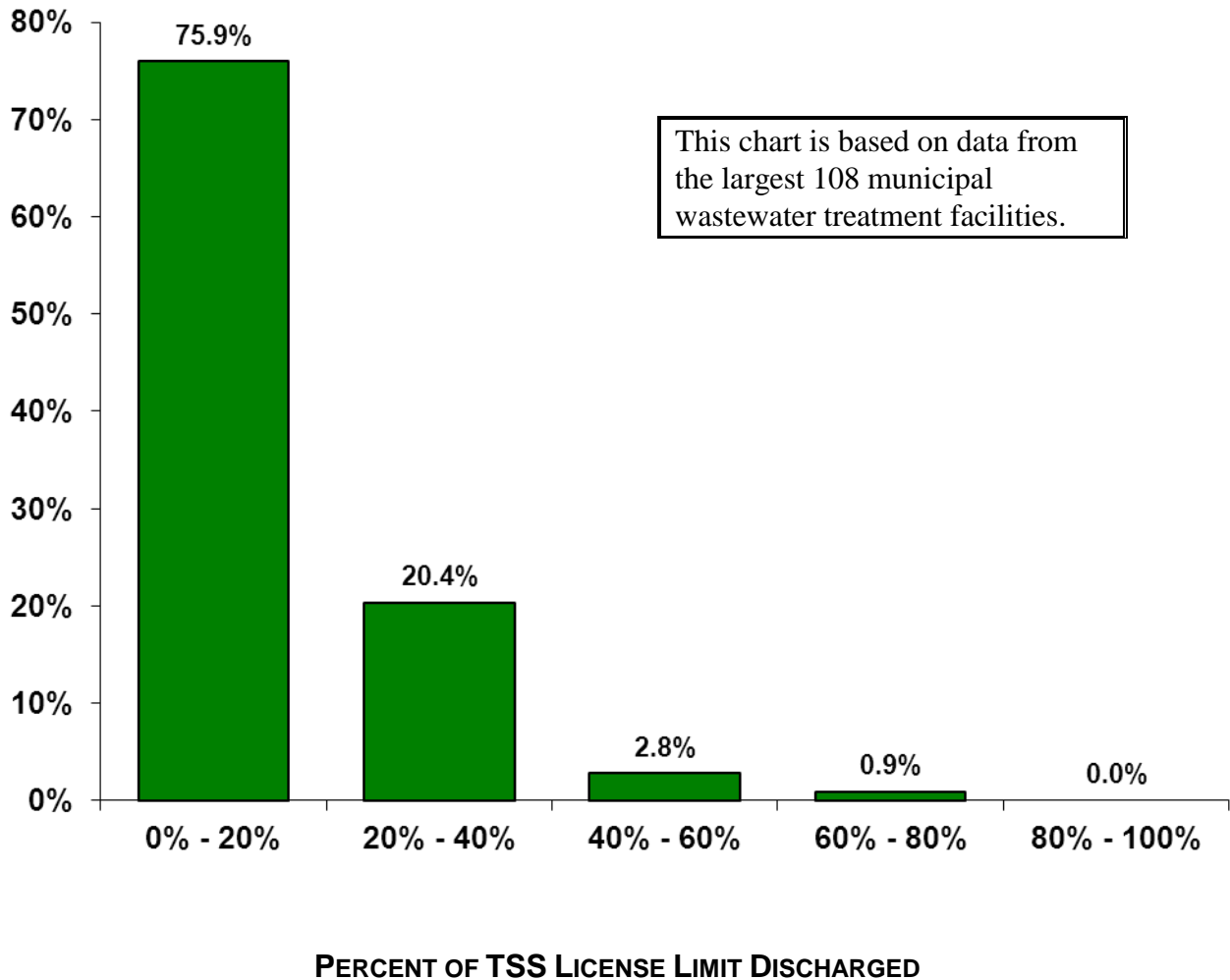
Environmental Performance Status of Point Source Discharges

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 90 % 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 95 % 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.



V. 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 Office 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.)*

ENFORCEMENT TOOLS UTILIZED IN 2012 TO RESPOND TO VIOLATIONS	
ACTIONS	NUMBER
LETTER OF WARNING	28
NOTICE OF VIOLATION	17
CONSENT AGREEMENT*	3
DISTRICT COURT**	2
EPA lead	3
TOTAL	53

*CONSENT AGREEMENTS FINALIZED IN 2012			
NAME	VIOLATIONS	PENALTY	CORRECTIVE ACTIONS/ COMMENTS
BERWICK SEWER DISTRICT	LICENSE CONDITION VIOLATIONS	\$7,244	NONE
TOWN OF BUCKSPORT	LICENSE CONDITION VIOLATIONS	\$0	UPGRADE TO SECONDARY TREATMENT
EASTERN MAINE MUSSEL	LICENSE CONDITION VIOLATIONS	\$2,500	NONE
		\$9,744	

**DISTRICT COURT ACTIONS FINALIZED IN 2012			
NAME	VIOLATIONS	PENALTY	CORRECTIVE ACTIONS/ COMMENTS
LELAND BOGGS ET AL	FAILURE TO REMOVE OVERBOARD DISCHARGE SYSTEM	\$13,740	PROPERLY ABANDON OBD SYSTEM AND INSTALL SEPTIC SYSTEM
CRAIG SPROUL	FAILURE TO RENEW WASTE DISCHARGE LICENSE	\$1,573.	SUBMIT A COMPLETE LICENSE APPLICATION
		\$15,313	

Enforcement Status of Point Source Discharges

In addition, the following cases were referred to enforcement in calendar year 2012. 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.

CASES REFERRED TO ENFORCEMENT IN 2012				
DISCHARGE TYPE	NUMBER OF CASES	UNDER INVESTIGATION	CONSENT AGREEMENT INITIATED	RESOLVED WITHOUT ENFORCEMENT
POTW *	7	0	4	3
NON-POTW	28	10	7	11
TOTAL	35	10	11	14

* PUBLICLY OWNED TREATMENT WORKS

VI. 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. In addition, the CWSRF can provide funding for public and private nonpoint source management programs. The CWSRF is capitalized by federal 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. Funding for the loans can come from a combination of federal capitalization grants, state match, and loan repayment money. 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 these facilities.

- A listing of projects funded by the CWSRF program in FY 2012 is included in Appendix J.
- A listing of long term funding needs of POTWs is included as Appendix K.

VII. 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. There are two sizes: 1) large OBDs, those licensed to discharge >2,000 gallons per day, and 2) small OBDs, those licensed to discharge <2,000 gallons per day. The large OBDs mostly serve commercial enterprises and schools. The small OBDs mostly serve residential properties. There are two types of OBDs:

- Sand filter systems that passively treat wastewater by filtering it through sand where it is biologically and physically treated, and
- Mechanical systems that actively treat wastewater through aeration by growing biological treatment (bacteria) colonies, and settling and decanting the treated water.

As of December 31, 2012 there were 1,178 approved OBDs in the state located in 105 towns and plantations, a reduction of 64 during the past year. (In 2012, eight new licenses were issued to previously unlicensed discharges on islands with requirements to upgrade to secondary treatment.) 58% 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 959. 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 61 municipalities: Alna, Augusta, Baileyville, Beals, Belfast, Benton, Bridgton, Brooklin, Caribou, Carmel, Charleston, Chebeague Island, Chelsea, Cumberland, Cushing, East Machias, Eastport, Enfield, Freeport, Gorham, Greenville, Hampden, Hancock, Harmony, Hollis, Isle Au Haut, Jonesboro, Lewiston, Lubec, Machias, Milbridge, New Gloucester, New Portland, New Vineyard, Norridgewock, Oakfield, Ogunquit, Old Town, Orland, Oxford, Parsonsfield, Passadumkeag, Pembroke, Perry, Poland Springs, Richmond, Robbinston, Rockland, Roques Bluffs, Saco, Searsport, Sedgwick, South Berwick, South Portland, Stacyville, Sullivan, Topsham, Trenton, Verona, Waterville and Wiscasset.

OBD License Status

Currently, < 7% of all approved OBDs are operating with an expired license or conditional permit. All expired licenses are in the renewal process.

Status of Overboard Discharges

OBD Compliance Status – OBD inspections

Large OBDs may be inspected at any time of the year, but usually occurs from April through October. Small OBDs – since so many are seasonal residences – are inspected mainly from June through August. 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 required to correct any identified problems within two weeks and notify the DEP of the correction. If the system owner fails to correct the non-compliance, the DEP will issue a reminder notice, a letter of warning, a notice of violation, or take other enforcement action to compel the system owner to correct the non-compliance. Those OBDs failing an initial inspection will receive a second inspection and possibly a third or fourth. Follow-up inspections are conducted to determine if reported corrections have actually been accomplished, or to encourage and/or educate the licensees on how to achieve compliance with their license terms and conditions.

Large and Small OBD Inspections for 2012

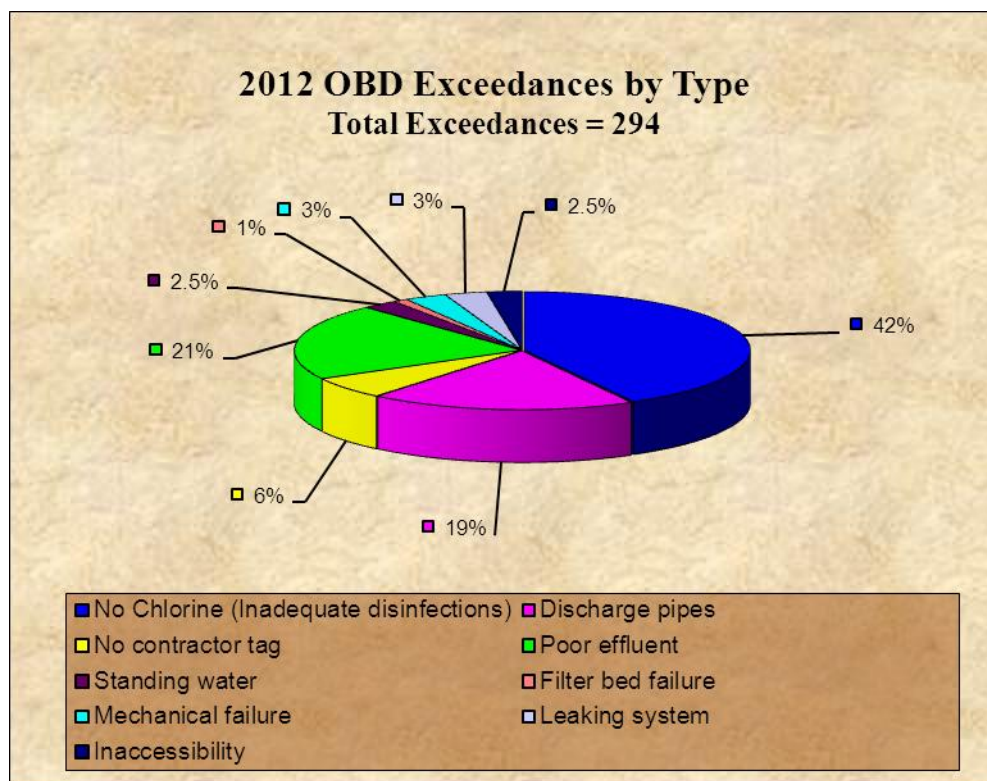
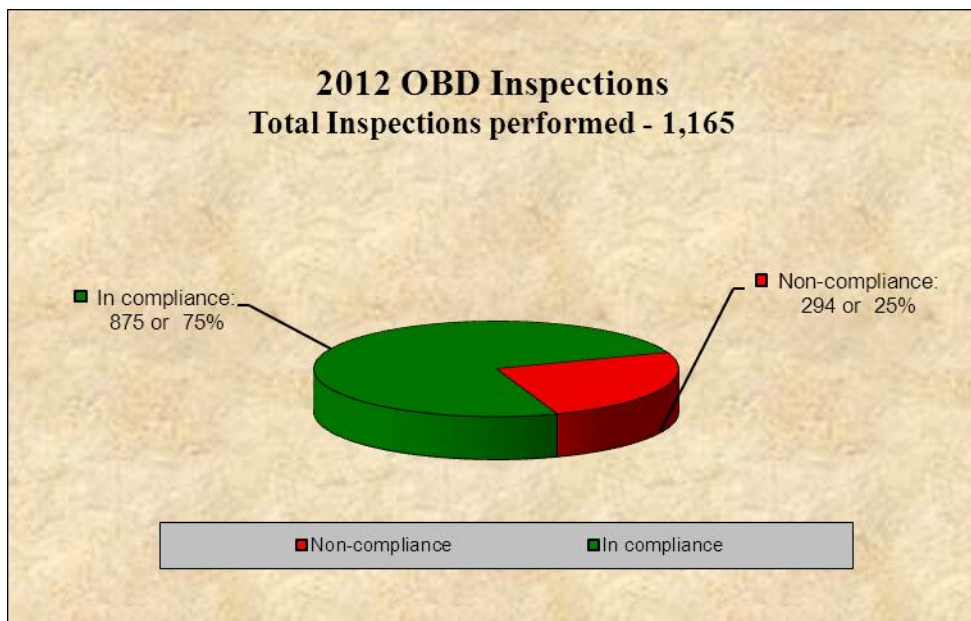
TOTAL NUMBER OF ALL OBD INSPECTIONS IN 2012	1,165 Inspections for 1,178 facilities
TOTAL NUMBER OF LARGE OBD INSPECTIONS	38 Inspections for 37 facilities
LARGE OBDS INSPECTED ONCE	37
LARGE OBDS INSPECTED TWICE	1
TOTAL NUMBER OF SMALL OBD INSPECTIONS	1,131 Inspections for 1,141 facilities
SMALL OBDS INSPECTED ONCE	1,083
SMALL OBDS INSPECTED TWICE	48

OBD Compliance Status – OBD Inspection Failure

An OBD may fail an inspection for one or more reasons. The usual causes for failures are: lack of chlorine disinfection tablets or other disinfection failure such as a non functioning ultra-violet disinfection unit; missing, broken or short discharge pipes; poor quality effluent; failure of mechanical and/or electrical system components; a flooded chamber; leaking tanks, chambers, pumps or pipes; system inaccessibility; sand filter bed failure; lack of alarms for mechanical systems; and lack of a service contractor tag on mechanical systems (mechanical systems require servicing by certified wastewater operators).

Status of Overboard Discharges

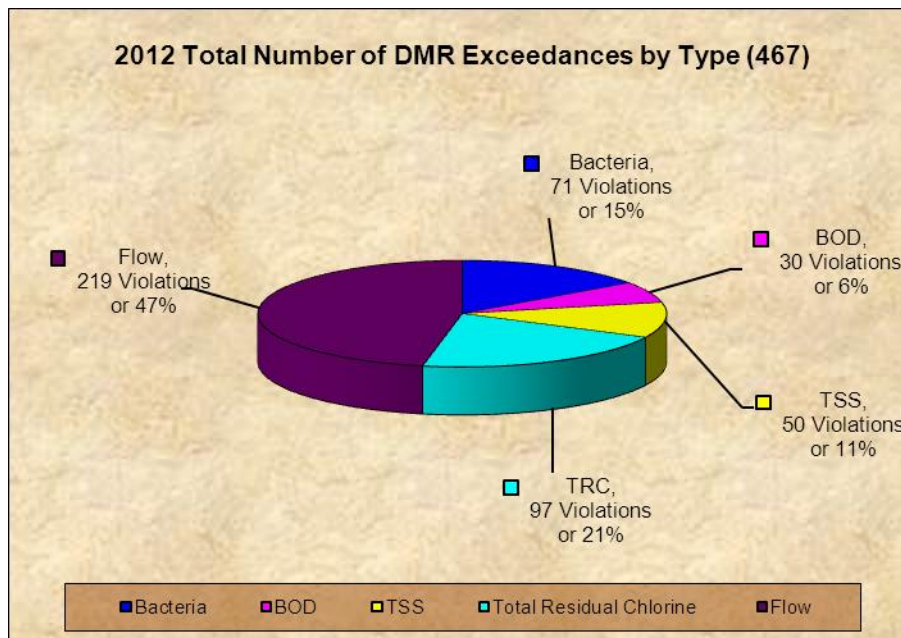
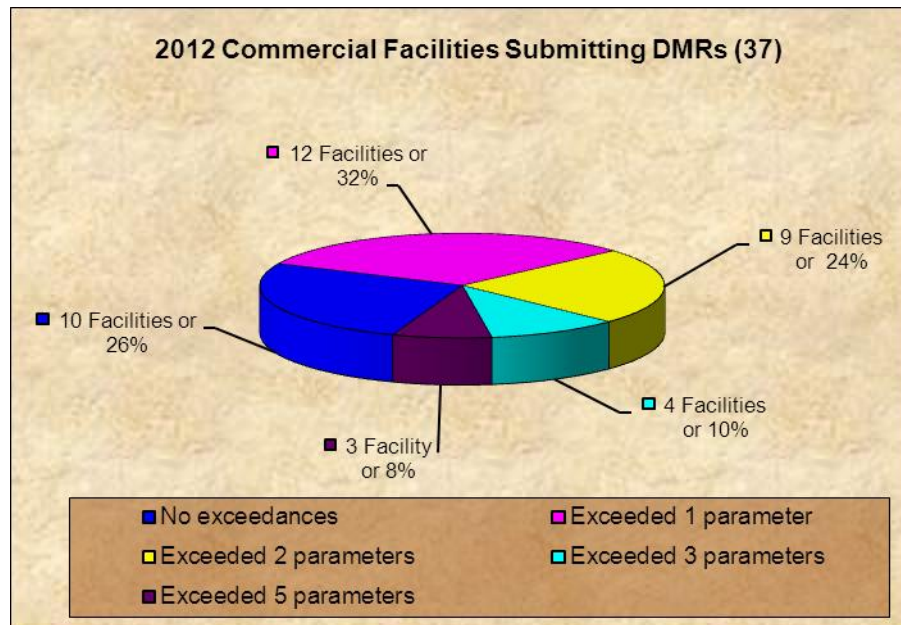
The following two charts indicate compliance status based on 2012 inspections



Status of Overboard Discharges

OBD Compliance Status – Commercial Facilities Discharge Monitoring Reports

OBDs discharging 2,000 or more gallons per day are required to periodically submit Discharge Monitoring Reports (DMRs) to the DEP. The DMRs indicate the results of effluent monitoring used to determine compliance with effluent limits set in discharge permits. Effluent is sampled and analyzed for seven basic analytical parameters: bacteria, biochemical oxygen demand (BODs) total suspended solids (TSS), discharge flow, settleable solids, total residual chlorine (TRC) and pH. The following two charts indicate the number and type of exceedences for calendar year 2012. 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 December 31, 2012**

<u>TOWN/CITY</u>	<u>NUMBER</u>	<u>TOWN/CITY</u>	<u>NUMBER</u>
ADDISON	2	CRANBERRY ISLES	9
ARROWSIC	1	CUTLER	2
ARUNDEL	5	DAMARISCOTTA	3
BANGOR	2	DEER ISLE	14
BAR HARBOR	6	DRESDEN	2
BATH	9	EDDINGTON	2
BETHEL	1	EDGECOMB	22
BIDDEFORD	23	ELIOT	2
BLUE HILL	6	ELLSWORTH	1
BOOTHBAY	115	EUSTIS	3
BOOTHBAY HARBOR	58	FAIRFIELD	1
BOWDOINHAM	4	FALMOUTH	1
BRADLEY	7	FARMINGTON	2
BREMEN	1	FRANKFORT	2
BRISTOL	138	FRENCHBORO	1
BROOKS	1	FRIENDSHIP	17
BROOKSVILLE	2	GEORGETOWN	59
BRUNSWICK	1	GOULDSBORO	17
BUCKFIELD	6	HARPSWELL	60
BURNHAM	1	HARRINGTON	5
BUXTON	1	INDUSTRY	1
CALAIS	4	ISLEBORO	2
CAMDEN	4	JONESPORT	8
CAPE ELIZABETH	2	KENNEBUNK	4
CASTINE	3	KENNEBUNKPORT	3
CHERRYFIELD	34	KITTERY	8
CHESTERVILLE	1	LINCOLNVILLE	2
COLUMBIA FALLS	8	LONG ISLAND	4

**Approved Overboard Discharges, by Location
As of December 31, 2012**

<u>TOWN/CITY</u>	<u>NUMBER</u>	<u>TOWN/CITY</u>	<u>NUMBER</u>
MACHIASPORT	4	THOMASTON	2
MADISON	3	TREMONT	24
MATINICUS ISLAND	1	TRESCOTT	2
MEDWAY	1	TURNER	2
MONHEGAN	18	VASSALBORO	2
MONTICELLO	1	VINALHAVEN	11
MOUNT DESERT	7	WARREN	1
NEWCASTLE	1	WEST BATH	3
NORTH HAVEN	1	WEST PARIS	4
OAKLAND	1	WESTPORT	10
ORRINGTON	1	WINDHAM	2
OWLS HEAD	17	WINSLOW	1
PENOBSCOT	1	WINTER HARBOR	7
PHIPPSBURG	8	WINTERPORT	1
PORTLAND	60	WOOLWICH	7
PRESQUE ISLE	1	YARMOUTH	11
PROSPECT	1	YORK	8
ROCKPORT	5		
SABATTUS	1		
SCARBOROUGH	2	TOTAL	1,178
SIDNEY	1		
SOUTH BRISTOL	49		
SOUTH THOMASTON	6		
SOUTHPORT	144		
SOUTHWEST HARBOR	3		
ST. GEORGE	26		
STANDISH	1		
STEUBEN	1		
STONINGTON	7		
STRONG	2		
SURRY	1		
SWANS ISLAND	1		

OBDs by location 12/31/2012

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POTW Waste Discharge Licenses as of December 31, 2012

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	03/10/15	0.300	6C			X			X			
Auburn	W-000685	11/18/15	0.0	5T		X				X			
Augusta (Greater Augusta Utility 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	05/26/16	18.000	5M	X	X	X		X	X			
Bar Harbor-DeGregoire Park	W-002584	09/02/15	0.012	6B						X			
Bar Harbor-Hulls Cove	W-002590	09/02/15	0.150	6C		X	X			X			
Bar Harbor-Main Plant	W-002591	09/02/15	2.000	6D	X	X	X			X			
Bar Harbor-Mount Desert High School	W-003319	09/08/14	0.009	6B								X	
Bath	W-002678	10/16/14	3.500	6D	X	X	X			X			
Belfast	W-000569	02/18/16	1.490	6D	X	X	X			X			
Berwick	W-000566	01/22/08	1.100	5M	X		X		X	X			
Bethel	W-002595	09/08/15	0.340	6C						X			
Biddeford	W-000683	05/27/14	6.500	5M	X	X	X		X	X			

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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
Biddeford-Biddeford Pool	W-007581	07/14/15	0.030	6B						X			
Bingham	W-001286	04/21/16	0.200	6B						X			
Blue Hill	W-002628	12/23/14	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	08/05/15	0.640	6C	X		X			X			
Brewer	W-002679	05/19/16	5.190	5M	X	X	X		X	X			
Bridgton	W-007879	6/26/17	0.032	6B							X		
Brownville	W-000829	11/02/17	0.082	6B						X	X		
Brunswick	W-002600	07/09/14	3.850	6D	X		X			X			
Brunswick-Graham Road Landfill	W-004308	08/12/16	0.200	6C						X			EL - Ammonia
Brunswick-Mere Point	W-008015	08/04/13	0.011	6B							X		
Bucksport	W-002596	04/10/17	0.460	6C		X		X		X			EL - BOD, BOD% SNC - BOD, TSS, TSS%
Calais	W-002751	10/04/16	1.500	6D	X	X	X			X			
Camden	W-002592	07/29/13	1.210	6D	X		X			X			
Canton	W-006445	10/06/16	0.621	6C			X			X			

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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
Cape Elizabeth – Ottawa Rd Pump Station	W-009027	06/12/14	0.0	5T		X				X			
Cape Elizabeth (Portland Water Dist.)	W-006751	12/05/16	0.499	6C		X	X			X			SNC - Mercury
Cape Elizabeth (Portland Head Light)	W-003157	04/10/17	.0005	6A						X			
Caribou-City Facility	W-001001	12/12/16	1.710	6D	X		X			X			
Caribou-Limestone Water & Sewer District	W-006654	03/11/14	1.25	6D	X		X			X			
Carrabassett Valley	W-002781	01/17/17	0.245	6C								X	
Castine	W-002623	12/29/14	0.200	6C			X			X			
Clinton	W-002589	04/29/13	0.350	6C			X			X			
Corinna	W-008206	06/05/17	0.110	6C								X	
Cornish	W-007878	04/10/17	0.007	6A							X		
Damariscotta-Main Plant (Great Salt Bay Sanitary District)	W-006048	04/21/16	0.268	6C						X			
Danforth	W-000819	12/22/14	0.049	6B						X			
Dexter	W-000830	11/02/17	0.273	6C								X	
Dover-Foxcroft	W-002633	12/29/14	0.800	6C			X			X			
Eagle Lake	W-003374	11/19/17	0.146	6C								X	

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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
East Machias	W-006521	09/02/15	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	10/29/14	0.850	6C	X		X			X			
Ellsworth-Shore Road	W-003801	09/24/14	0.002	6A						X			
Ellsworth – Bayside Rd	W-009082	11/07/17	1.65	6D	X		X			X			
Fairfield	W-007701	12/03/13	0.0	5T		X				X			
Falmouth	W-002650	02/12/13	1.560	6D	X		X			X			
Farmington	W-002670	12/20/16	0.900	6C	X		X			X			
Fort Fairfield	W-000694	03/20/17	0.600	5M	X		X			X			
Fort Kent	W-000692	12/12/16	0.430	6C	X		X			X			
Freeport	W-000617	05/04/15	0.750	6C	X		X			X			SNC - Settleable Solids
Frenchville	W-007676	08/05/15	0.060	6B						X			
Gardiner	W-002655	10/12/16	4.500	6D	X	X	X			X			
Grand Isle	W-007713	05/04/15	0.080	6B						X			

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Location	License #	Exp. Date	Flow MGD	Type	Major	CSO	Tox	301(H)	Pre	Surf	Sub	Spray	Compliance Status
Greenville (Moosehead Sanitary District)	W-002119	06/03/14	0.170	6C								X	
Guilford (Guilford-Sangerville Sanitary District)	W-006792	06/11/15	0.930	6C	X		X			X			
Hampden	W-007967	01/07/13	0.0	5T		X				X			
Hartland	W-000678	12/06/12	1.500	5M	X		X		X	X			
Houlton (Houlton Water Company)	W-008219	12/02/15	0.075	6B								X	
Houlton (Houlton Water Company)	W-002648	04/04/16	1.500	6D	X		X			X			
Howland	W-002632	04/25/16	0.300	6C						X			
Indian Township-Princeton Strip (Passamaquoddy Tribe)	W-000872	12/23/14	0.095	6B								X	
Islesboro-Dark Harbor	W-002726	01/20/16	0.064	6B						X			
Jackman	W-002696	11/21/14	0.675	6C			X			X			
Jay-North Jay	W-002689	08/05/15	0.060	6B			X			X			
Kennebunk	W-002585	09/12/16	1.310	6D	X		X			X			
Kennebunkport	W-002626	05/04/15	0.700	6C	X		X			X			
Kingfield	W-006272	03/20/17	0.077	6B							X		

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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
Kittery	W-000389	03/24/11	2.500	6D	X		X			X			
Lewiston	W-000684	11/18/15	0.0	5T		X				X			
Lewiston (Lewiston-Auburn Water Pollution Control Authority)	W-000682	07/24/13	14.200	6D	X	X	X		X	X			
Lewiston-No Name Pond	W-008126	06/11/17	0.004	6A							X		
Limerick	W-000860	09/02/15	0.110	6C			X			X			
Lincoln	W-001479	05/25/16	1.070	6D	X		X			X			
Lisbon	W-002725	05/06/15	2.025	6D	X		X			X			
Livermore Falls	W-002654	10/20/16	2.000	6D			X			X			
Lubec	W-006306	11/12/13	0.166	6C				X		X			
Machias	W-002674	01/25/16	0.370	6C	X	X	X			X			
Madawaska	W-002602	12/10/13	0.674	6C	X	X				X			
Mapleton	W-008147	07/03/13	0.150	6B								X	
Mars Hill	W-000842	11/02/17	1.000	6D			X			X			
Mattawamkeag	W-007462	04/25/16	0.090	6B						X			
Mechanic Falls	W-002722	02/12/13	0.490	6C	X	X	X			X			

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POTW Waste Discharge Licenses as of December 31, 2012

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Location	License #	Exp. Date	Flow MGD	Type	Major	CSO	Tox	301(H)	Pre	Surf	Sub	Spray	Compliance Status
Mexico (Rumford-Mexico Sewerage District)	W-002686	12/15/15	2.650	6D	X		X			X			
Milbridge	W-000862	04/05/15	0.070	6B						X	X		
Milford	W-008223	12/22/15	0.0	5T		X				X			
Millinocket	W-002680	05/25/16	2.330	6D	X		X			X			
Milo	W-002753	12/04/14	0.390	6C			X			X			
Monson	W-007155	11/02/17	0.014	6B							X		
Mt. Desert-Somesville	W-002656	12/29/13	0.080	6B			X			X			
Mt. Desert-Northeast Harbor	W-002659	12/29/13	0.330	6C			X			X			
Mt. Desert-Seal Harbor	W-002657	09/29/14	0.250	6C			X			X			
Newport	W-000865	09/18/14	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 SD)	W-007044	04/21/16	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			

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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
Northport (Northport Village Corporation)	W-002575	06/29/09	0.063	6B				X		X			
Norway	W-002647	06/02/13	0.975	6C	X		X			X			
Ogunquit	W-000449	03/12/13	1.280	6D	X		X			X			
Old Orchard Beach	W-002786	02/19/15	3.500	6D	X		X			X			
Old Town	W-001635	05/20/16	3.500	6D	X	X	X			X			
Old Town-Indian Island (Penobscot Indian Nation)	W-002672	12/04/17	0.070	6B						X			
Orono	W-002673	11/13/17	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			
Patten	W-007775	12/03/13	0.030	6B								X	
Perry (Pleasant Point) (Passamaquoddy Tribe)	W-002561	12/10/17	0.150	6B						X			
Pittsfield	W-001477	08/26/14	1.500	6D			X			X			
Portland	W-008010	10/24/13	0.0	5T		X				X			
Portland (Portland Water District)	W-002671	08/17/16	19.800	5M	X	X	X		X	X			SNC - Settleable Solids, F.C. Bacteria
Portland-Peaks Island (Portland Water District)	W-007182	06/05/17	0.200	6C			X			X			
Presque Isle	W-002713	06/18/12	2.310	6D	X		X			X			

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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
Presque Isle-Echo Lake	W-008017	07/24/13	0.004	6A							X		
Presque Isle-Landfill	W-008088	10/04/16	0.014	6B								X	
Randolph	W-008074	07/08/14	0.0	5T		X				X			
Rangeley	W-008086	12/10/17	0.150	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			
Rumford-Rumford Point (Rumford-Mexico Sewerage District)	W-002685	08/05/15	0.019	6B						X			
Sabattus	W-002624	11/03/16	0.120	6C			X			X			
Saco	W-002599	08/08/16	4.200	6D	X	X	X			X			
Sanford	W-000870	04/23/13	8.800	5M	X	X	X		X	X			
Scarborough	W-002668	10/16/14	2.500	6D	X		X			X			
Searsport	W-006279	11/12/13	0.200	6C				X		X			
Sinclair (Sinclair Sewer District)	W-007814	09/06/16	0.042	6B								X	
Skowhegan	W-002645	06/02/13	1.65	6D	X	X	X			X			
Sorrento	W-002280	09/06/16	0.003	6A						X			EL - TRC SNC - TRC

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Location	License #	Exp. Date	Flow MGD	Type	Major	CSO	Tox	301(H)	Pre	Surf	Sub	Spray	Compliance Status
South Berwick	W-002721	06/17/07	0.567	6C			X			X			
South Portland	W-001370	07/15/14	9.300	5M	X	X	X		X	X			
Southwest Harbor	W-002676	10/26/14	0.375	6C	X		X			X			
St. Agatha	W-002755	06/17/15	0.060	6B						X			
Stonington	W-001475	03/14/08	0.175	6C				X		X			
Thomaston	W-002643	06/21/13	0.900	6C	X		X			X		X	
Unity	W-000478	06/12/17	0.500	6C			X			X			
Van Buren	W-002675	09/14/14	0.560	6C	X					X			
Vassalboro-Cemetery Street Facility	W-008102	03/11/15	0.029	6B						X			
Vassalboro-Main Street Facility	W-002597	03/11/15	0.025	6B						X			
Vassalboro-North Main Street Facility	W-008101	03/11/15	0.025	6B						X			
Veazie	W-002754	11/02/17	0.350	6C						X			
Vinalhaven	W-008146	11/02/17	0.129	6C			X			X			
Waldoboro	W-008114	03/11/13	0.150	6C								X	
Wallagrass Pt. (Eagle Lake Water & Sewer Dist)	W-007955	12/04/17	0.006	6A							X		

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Location	License #	Exp. Date	Flow MGD	Type	Major	CSO	Tox	301(H)	Pre	Surf	Sub	Spray	Compliance Status
Warren	W-007023	02/10/15	0.244	6C						X			
Washburn (Washburn Water & Sewer District)	W-007610	12/05/16	0.283	6C			X			X			SNC - Cu
Waterville (Kennebec Sanitary Treatment District)	W-000687	10/16/14	12.700	5M	X	X	X		X	X			
Wells	W-000653	11/10/14	2.000	6D	X		X			X			
Westbrook (Portland Water District)	W-001510	03/06/17	4.54	6D	X	X	X		X	X			
Whitneyville-Canal Road Facility	W-006551	04/21/15	0.002	6A						X			
Whitneyville-School Street Facility	W-008099	04/21/15	0.006	6A						X			
Wilton	W-002365	06/21/16	0.450	6C	X		X			X			
Winslow	W-008204	12/21/15	0.0	5T		X				X			
Winter Harbor	W-000562	09/02/15	0.125	6C			X			X			
Winterport	W-001480	04/02/17	0.110	6C		X		X		X			EL - BOD, BOD%, TSS SNC - BOD, BOD%, TSS, TSS%
Wiscasset	W-000370	10/26/14	0.620	6C			X			X			
Yarmouth	W-002644	10/12/16	1.310	6D	X		X			X			
Yarmouth-Sea Meadows Subdivision	W-002234	10/12/16	0.028	6B						X			SNC - TRC
York	W-002687	04/21/16	3.000	6D	X		X			X			

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Location	License #	Exp. Date	Flow MGD	Type	Major	CSO	Tox	301(H)	Pre	Surf	Sub	Spray	Compliance Status
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	LICENSES	MEDPES	FLOW	TYPE	MAJOR	CSO	TOX	301(h)	PRE	SURF	SUB	SPRAY	COMPLIANCE STATUS
TOTALS	164	141	215.4	---	60	36	86	10	13	141	10	16	EL = 4 SNC = 8

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POTW Waste Discharge Licenses as of December 31, 2012 Key to Column Headings

LOCATION	Municipality in which discharge is located.
LICENSE #	DEP wastewater discharge license number.
EXP. DATE	Expiration date of last DEP license issued for the facility.
FLOW	Monthly average discharge flow limit, in millions of gallons per day, as approved in last DEP license issued for the facility.
TYPE	Type code and base fee category for the facility: 5M POTW, over 5 million GPD or with significant industrial waste 5T Municipal Combined Sewer Overflow (CSO) 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
MAJOR	Major discharge facility.
CSO	Facility includes combined sewer overflow (CSO) discharge.
TOX	Facility is subject to toxics testing.
301(h)	301(h) waiver facility, primary treatment only.
PRE	Facility influent is subject to pre-treatment requirements.
SURF	Facility discharges to surface water.
SUB	Facility discharges through subsurface system.
SPRAY	Facility discharges through spray irrigation (i.e., land application) system.
COMPLIANCE STATUS	Indicates if the facility was in Significant Non Compliance (SNC) or Exceptions List (EL) during the year for the listed parameter(s). 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 H and I. Totals at bottom of column only include highest level of non compliance per facility.

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).

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Location	Licensee	License #	Exp. Date	Type	Major	Tox	Surf	Sub	Spray	Comments	Compliance Status
Anson	Madison Paper Industries	W-008062	04/15/14	5R			X			Anson Hydro Project; 108,000 GPD non-contact cooling water	
Auburn	Pioneer Plastics	W-007876	12/05/16	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 - Phosphorus
Baileyville	Woodland Pulp LLC	W-008072	05/01/14	5R			X			Woodland Hydro Project; 194,000 GPD non-contact cooling water	
Baileyville	Domtar Maine LLC	W-008073	05/01/14	5R			X			Grand Falls Hydro Project; 100,000 GPD non-contact cooling water	
Baileyville (Woodland)	Woodland Pulp, LLC	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	EL - Zinc SNC - Zinc
Baileyville (Woodland)	Woodland Pulp LLC	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	05/19/15	5S			X			Fuel oil terminal/transfer facility; storm water discharge	
Bar Harbor	Town of Bar Harbor	W-001719	04/12/17	5V			X			Snow dump; discharge to tidewater	

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Bath	Bath Iron Works	W-000671	09/19/16	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	03/04/16	5V			X			Snow dump; discharge to tidewater	
Beals	Carver Shellfish Inc.	W-007803	11/21/14	5P			X			Clam processing facility; 2,000 GPD process water discharge	SNC - Flow
Beals	Cooke Aquaculture USA Inc	W-008194	06/16/14	6G			X			Salmon aquaculture facility (Spectacle Island Site)	
Beals	Cooke Aquaculture USA, Inc	W-008187	06/30/14	6G			X			Salmon aquaculture facility (Sand Cove Site)	
Belfast	Penobscot McCrum LLC	W-004897	12/04/14	5O			X			Potato processing facility; 100,000 GPD process water discharge; 75,000 GPD non-contact cooling water discharge	
Belfast	Moore's Septic	W-008259	10/03/17	5J					X	Treated wastewater from septage dewatering, spray irrigation.	
Belgrade	Pat Jackson Inc.	W-008019	10/29/14	5J					X	Discharge of treated septage effluent	
Biddeford	Maine Energy Recovery Company	W-006163	11/06/13	5R			X			Waste-to-energy incinerator; 93.6 MGD non-contact cooling water	
Biddeford	The Mills at Pepperell LLC	W-002790	12/06/16	5R			X			Textile mill; 110,000 GPD non-contact cooling water	
Biddeford	Biddeford and Saco Water Company	W-002545	08/05/15	5S			X			Drinking water treatment facility; 150,000 GPD filter backwash water discharge	

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Biddeford	University of New England	W-008109	06/11/15	6F			X			Marine science and research center; 0.72 MGD treated marine lab and marine mammal rehabilitation center waste water	
Bingham	Cooke Aquaculture USA, Inc	W-007577	07/01/15	6F			X			Commercial salmon; 11.25 MGD process waste water discharge	
Boothbay Harbor	Town of Boothbay Harbor	W-007938	05/09/17	5V			X			Snow dump; discharge to tidewater	
Brewer	Town & Country Mobile Home Park	W-003601	10/13/15	5J					X	Commercial trailer park; 8,500 GPD sanitary waste water discharge	
Bridgton	Winona Camps Inc.	W-006784	04/10/17	5J					X	Commercial camp ground; 10,000 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	
Brighton	Lakeside Pines Campground Inc	W-008256	10/13/15	5S					X	5,000 GPD Commercial campground, sanitary wastewater discharge	
Brunswick	FPL Energy Maine Hydro LLC	W-000571	09/22/13	5R			X			Brunswick Hydro Project; 586,000 GPD non-contact cooling water	
Brunswick	Brunswick-Topsham Water District	W-002631	11/13/13	5S			X			Drinking water treatment facility; 40,000 GPD filter backwash discharge	
Bucksport	Verso Androscoggin LLC	W-000598	01/07/15	5N	X	X	X			Pulp and paper mill (formerly Champion); 18 MGD process water discharge; 72.0 MGD cooling water discharge	

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Bucksport	Webber Tanks, Inc.	W-002566	10/15/15	5S			X			Fuel oil terminal/transfer facility; storm water discharge	
Buxton	FPL Energy Maine Hydro LLC	W-000578	09/22/13	5R			X			Skelton Hydro Project; 859,000 GPD non-contact cooling water	
Camden	Town of Camden	W-007822	08/05/15	5V			X			Snow dump; discharge to tidewater	
Caribou	WPS New England Generation, Inc.	W-000638	09/28/14	5R			X			Caribou Generating Station; 31 MGD non-contact cooling water & misc. discharges	
Caribou	Loring Development Authority	W-007926	04/15/14	5S			X			Drinking water treatment facility; 8,000 GPD filter backwash discharge	
Casco	Dept. of Inland Fisheries & Wildlife	W-002038	05/02/17	6F			X			Casco Fish Hatchery; 2.9 MGD process waste water discharge	
Cherryfield	Cherryfield Foods, Inc.	W-006234	12/28/14	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	12/28/14	5P			X		X	Blueberry processing facility; 0.1 MGD process water discharge; 0.27 MGD non-contact cooling water discharge	
China	BioRenewable Fuels, Inc	W-008255	08/28/17	5O					X	Commercial process water, spray irrigation and snow making.	
Clinton	Flood Brothers Inc.	W-009024	10/30/13	5S			X			Concentrated animal feeding operations (CAFO); stormwater and process waste water	
Clinton	Caverly Farms LLC	W-009033	05/08/14	5S			X			CAFO	

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Clinton	Rogers Farm	W-009036	05/08/14	5S			X			CAFO	
Clinton	The Wright Place	W-009035	05/08/14	5S			X			CAFO	
Cutler	US Navy-Naval Communication Unit	W-003318	09/02/15	5R			X			Electrical generating plant; 1.584 MGD non-contact cooling water; misc. stormwater, boiler blowdown and contact cooling water discharges	
Cutler	Cooke Aquaculture USA, Inc	W-009005	04/10/12	6G			X			Salmon aquaculture facility (Cross Island Site)	
Cutler	Cooke Aquaculture USA, Inc	W-008168	06/16/14	6G			X			Salmon Aquaculture facility (Cross Island – North Site)	
Damariscotta	Lake Pemaquid Inc.	W-003271	09/15/13	5J					X	Commercial camp ground; 67,900 GPD sanitary waste water discharge	
Damariscotta	Town of Damariscotta	W-009007	10/12/17	5V			X			Snow dump; discharge to tidewater	
Deblois	Jasper Wyman & Sons	W-007847	04/20/17	5P			X		X	Blueberry processing facility; 148,000 GPD process water and storm water discharges	
Denmark	Wyonegonic Camps	W-007602	04/10/17	5J					X	Commercial camp ground; 7000 GPD sanitary waste water discharge	
Dixfield	Town of Dixfield	W-009032	01/30/14	5V					X	Snow Dump discharge to mapped sand and gravel aquifer	
Dixmont	Wren Farm	W-008243	01/13/14	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	Cooke Aquaculture USA, Inc	W-007149	03/04/15	6F			X			Commercial salmonid hatchery (Gardiner Lake); 10.08 MGD process water discharge	
East Machias	Downeast Salmon Federation, EMARC	W-009088	05/16/17	6F			X			Fin Fish Hatchery & Fish rearing facility	
East Millinocket	Great Northern Paper Co., LLC	W-002228	05/26/16	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	
East Millinocket	Great Lakes Hydro America, LLC	W-008076	03/13/14	5R			X			East Millinocket Hydro Project; 30,240 GPD non-contact cooling water	
East Millinocket	Great Lakes Hydro America, LLC	W-008077	03/16/14	5R			X			Dolby Hydro Project; 364,320 GPD non-contact cooling water	
Eastport	Cooke Aquaculture USA, Inc	W-008190	07/19/14	6G			X			Salmon aquaculture facility (Broad Cove Site)	
Eliot	Autowash Inc.	W-008225	06/21/16	5S				X		Commercial car wash	
Ellsworth	Patten Pond KOA	W-003294	03/21/17	5J					X	Commercial camp ground; 15,000 GPD sanitary waste water discharge	
Ellsworth	Black Bear Hydro Partners LLC	W-008065	04/15/14	5R			X			Ellsworth Hydro Project; 200,160 GPD non-contact cooling water	

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Ellsworth	Green Lake National Fish Hatchery	W-000721	09/09/14	6F			X			Federal salmonid hatchery; 19.4 MGD process water discharge	
Embden	FPL Energy Maine Hydro LLC	W-000574	09/22/13	5R			X			Williams Hydro Project; 504,000 GPD non-contact cooling water	
Embden	Dept. of Inland Fisheries & Wildlife	W-002029	07/06/16	6F			X			Ela Fish Rearing Station; 4.75 MGD process water discharge	SNC - Phosphorus
Enfield	Bangor-Pacific Hydro Associates	W-007529	04/15/14	5R			X			West Enfield Hydro Project; 403,200 GPD non-contact cooling water	
Enfield	Covanta Maine LLC	W-006116	10/14/15	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	
Enfield	Dept. of Inland Fisheries & Wildlife	W-002032	12/05/16	6F			X			Cobb State Fish Hatchery; 4.75 MGD process water discharge	
Eustis	KEI (Maine) Power Mgmt LLC	W-008080	04/15/14	5R			X			Eustis Hydro Project; 7,200 GPD non-contact cooling water	
Exeter	Stonyvale Inc	W-009034	05/08/14	5S			X			CAFO	

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Fairfield	S. D. Warren-Somerset Plant	W-000385	01/23/14	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	
Fort Fairfield	Tri-Community Recycling & Sanitary Landfill	W-008246	06/05/17	5J					X	750,000 GPY discharge from septage dewatering operation	
Fort Fairfield	Boralex Fort Fairfield, Inc.	W-007365	05/24/16	5S			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	
Franklin	Agvest Inc.	W-007755	12/18/14	5P					X	Blueberry processing facility; process water discharge	
Franklin	University of Maine—CCAR	W-007642	10/04/15	6F			X			Aquaculture research facility; 1.27 MGD process water discharge	
Frenchboro	Cooke Aquaculture USA, Inc	W-008199	09/09/14	6G			X			Salmon aquaculture facility (Black Island Site)	
Frenchville	Mtn. Springs Trout Farm	W-008125	05/17/15	6F			X			Fish hatchery; 0.65 MGD process water discharge	
Fryeburg	Maine Pure	W-008254	08/19/15	5S				X		1,500 GPD treated bottle wash water	

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Gardiner	KEI (Maine) Power Mgmt LLC	W-008081	04/15/14	5R			X			American Tissue Hydro Project; 7,200 GPD non-contact cooling water	
Gardiner	Gardiner Water District	W-000953	05/21/13	5S			X			Drinking water treatment facility; 20,000 GPD filter backwash discharge	
Gouldsboro	Maine Fair Trade Lobster, LLC	W-000791	06/11/16	5P			X			Lobster processing facility: 272,000 GPD process water discharge	*EL - TSS, Oil & Grease *(Formerly: Lobster Web Co LLC)
Gouldsboro	Great Bay Aquaculture of Maine, LLC	W-009079	06/12/17	6G			X			Atlantic Cod and Halibut aquaculture facility (Stave Island Site)	
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	
Gray	Dept. of Inland Fisheries & Wildlife	W-002031	02/10/17	6F			X			Dry Mills Fish Hatchery; 1.92 MGD process water discharge	SNC - Phosphorus
Hampden	Cold Brook Energy	W-000563	12/20/16	5S			X			Fuel oil terminal/transfer facility; storm water discharge	
Hancock	Eastern Maine Mussel Corp	W-009031	04/08/14	5P				X		Mussel processing facility; 24,500 GPD process waste water	
Hancock	Hancock Foods	W-003145	12/08/14	5P			X		X	Blueberry processing facility; 0.025 MGD process water discharge	
Hancock	Merrill Blueberry Farms	W-007792	12/08/14	5P					X	Blueberry processing facility; 72,000 GPD process water discharge	
Harrison	Roderick Dyer	W-008124	04/02/17	5J				X		1800 GPD treated septage leachate discharge	

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Hartland	Tasman Leather Group LLC	W-001915	06/11/14	5R			X			Leather tanning facility; 500,000 GPD non-contact cooling water	
Hermon	Herman Park LLC	W-007690	12/20/12	5J					X	Commercial trailer park; 4,500 GPD sanitary waste water discharge	
Hermon	Hermon Car Wash	W-008234	06/22/16	5S				X		Commercial car wash; 1,000 GPD wash water discharge	
Hollis	FPL Energy Maine Hydro LLC	W-000581	09/22/13	5R			X			Bar Mills Hydro Project; 67,000 GPD non-contact cooling water	
Hollis	Nestle Water North America Inc	W-008248	07/21/13	5S					X	Water bottling facility; 981,000 GPW process water, boiler blowdown water & chiller/cooler water	SNC - Low pH
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	Starch processing facility; 0.04 MGD process water discharge; 0.05 MGD non-contact cooling water discharge	
Howland	PPL Maine LLC	W-008064	04/15/14	5R			X			Howland Hydro Project; 1,440 GPD non-contact cooling water	
Indian Stream Twp.	FPL Energy Maine Hydro LLC	W-000572	09/22/13	5R			X			Indian Pond Hydro Project; 3.89 MGD non-contact cooling water	
Jay	Verso Androscoggin LLC	W-000623	12/20/17	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	

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Jonesboro	Maine Wild Blueberry Co.	W-008236	09/15/16	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	01/15/13	5J					X	Commercial mobile home park; 8700 GPD sanitary waste water discharge	
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	06/13/16	5R			X			Submarine repair & overhaul facility; 33 MGD non-contact condenser & compressor cooling water; misc. dry dock dewatering water & stormwater discharges	
Lamoine	MDI Biological Laboratory	W-009081	07/10/17	5S			X			Deployment of nutrient balls to Berry Cove to study the impact of fertilizing eel grass beds	
Lewiston	FPL Energy Maine Hydro LLC	W-007658	09/22/13	5R			X			Lewiston Falls Hydro Project; 700,000 GPD non-contact cooling water	
Limerick	Ledgemere Hydro, LLC	W-008059	03/13/14	5R			X			Ledgemere Hydro Project; 22,320 GPD non-contact cooling water	
Lincoln	Lincoln Paper and Tissue	W-000381	05/26/16	5N	X	X	X			Kraft pulp and paper mill; 16.3 MGD process water; 3.0 MGD non-contact cooling water	
Lincoln Pt.	Aziscohos Reservoir Company	W-007582	05/01/14	5R			X			Aziscohos Hydro Project; 270,000 GPD non-contact cooling water	

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Lisbon	Miller Hydro Group	W-007590	04/10/14	5R			X			Worumbo Hydro Project; 1.015 MGD non-contact cooling water	
Lisbon	Maine Electronics Inc.	W-007759	05/13/15	5S		X	X			Decommissioned circuit board manufacturing facility; 79,000 GPD discharge from DEP-approved GW remediation project	
Livermore Falls	Boralex Livermore Falls LP	W-007705	09/12/16	5S			X			Wood fired generation facility; 175,000 GPD cooling tower blowdown water and misc. process water & stormwater discharges	
Livermore Falls	Verso Androscoggin LLC	W-008067	03/13/14	5R			X			Otis Hydro Project; 14,400 GPD non-contact cooling water	
Lubec	ISF Trading Company	W-008161	12/01/13	5P			X			Sea cucumber processing facility; 8,000 GPD process water discharge	
Lyman	Winterwood Farm LLC	W-008250	09/08/13	5O					X	Commercial composting facility; discharge of leachate	
Machias	Maine Wild Blueberry Co	W-008253	07/01/15	5P					X	Spray irrigation, blueberry processing facility	
Machias	Maine Wild Blueberry Co.	W-006137	04/21/16	5R			X			Blueberry processing facility; 70,000 GPD non-contact cooling water	
Machiasport	True North Maine Inc.	W-007951	12/04/17	5P			X			Salmon processing facility; 0.021 MGD process water discharge	

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Madawaska	Twin Rivers LLC	W-002727	10/16/14	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	
Madison	Madison Paper Industries	W-008063	04/15/14	5R			X			Abenaki Hydro Project; 155,000 GPD non-contact cooling water	
Madison	Madison Paper Industries	W-002006	07/05/16	5S			X			Pulp & paper mill; 10.8 MGD vacuum seal and non-contact cooling water; 2.0 filter backwash discharge	
Mars Hill	Naturally Potatoes Inc.	W-007949	12/22/14	5P					X	Potato processing facility; process waste water discharge	
Mars Hill	J&D McCrum Farm	W-008230	08/08/16	5P					X	Potato processing facility; process waste water discharge	
Masardis	WPS New Eng Generation	W-008069	10/16/14	5R			X			Squa Pan Hydro Project; 4,800 GPD non-contact cooling water	
Mattawamkeag	Great Lakes Hydro America, LLC	W-008075	03/16/14	5R			X			Mattaceunk Hydro Project; 144,000 GPD non-contact cooling water	
Mexico	Town of Mexico	W-009029	12/29/13	5V				X		Snow dump; discharge to mapped sand and gravel aquifer	
Milbridge	Lawrence Ray Fishing Industries	W-007894	05/21/17	5P			X			Sea cucumber processing facility; 15,000 GPD process water	
Milford	Black Bear Hydro Partners LLC	W-002570	04/15/14	5R			X			Milford Hydro Project; 18,000 GPD non-contact cooling water	

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Location	Licensee	License #	Exp. Date	Type	Major	Tox	Surf	Sub	Spray	Comments	Compliance Status
Millinocket	Great Northern Paper Co., LLC	W-002227	05/26/16	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	08/13/14	5R			X			Textile mill; 85,000 GPD non-contact cooling water	
Moosehead Jct. Twp.	Aqua Maine Inc.	W-008087	11/03/14	5S				X		Drinking water treatment facility; 2,500 GPD filter backwash discharge	
Moscow	FPL Energy Maine Hydro LLC	W-000573	09/22/13	5R			X			Wyman Hydro Project; 573,000 GPD non-contact cooling water	
Mount Vernon	Coastal Camps Inc (d/b/a Camp Laurel)	W-003269	11/02/17	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 - Phosphorus
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	04/15/14	5S			X			Drinking water treatment facility; 6,000 GPD filter backwash discharge	
North Berwick	United Technologies/Pratt & Whitney	W-002749	12/04/17	5N		X	X			Jet engine parts manufacturer; 50,000 GPD process water discharge	

APPENDIX B
NON-POTW Waste Discharge Licenses as of December 31, 2012
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
North Haven	Town of North Haven	W-008142	08/02/17	5S			X			Drinking water treatment facility; 2000 GPD filter backwash discharge	
Oakland	Messalonskee Stream Hydro LLC	W-000577	02/13/14	5R			X			Rice Rips (M3) Hydro Project; 26,900 GPD non-contact cooling water	
Oakland	Messalonskee Stream Hydro LLC	W-000585	03/13/14	5R			X			Oakland (M2) Hydro Project; 48,000 GPD non-contact cooling water	
Old Town	Red Shield Acquisition, LLC	W-002226	05/19/16	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	PPL Great Works, LLC	W-008068	04/15/14	5R			X			Great Works Hydro Project; 88,560 GPD non-contact cooling water	
Old Town	Old Town Water District	W-007706	06/11/14	5S			X			Drinking water treatment facility; 95,000 GPD filter backwash discharge	
Old Town	Old Town Community Pool	W-009097	12/04/17	5S			X			3,500 gallons, intermittent discharge (every 60 days) non-process filter backwash	
Orland	G.M. Allen & Sons, Inc	W-007791	12/22/14	5P					X	Blueberry processing facility; 67,880 GPA process water discharge	
Orland	Craig Brook Nat'l Hatchery	W-001285	02/02/15	6F			X			Federal salmonid hatchery; 3.5 MGD process water discharge	SNC - Phosphorus

APPENDIX B
NON-POTW Waste Discharge Licenses as of December 31, 2012
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
Orono	University of Maine	W-008153	06/02/13	5S			X			30,000 GPD filter backwash discharge from University swimming pool	
Orono	Orono-Veazie Water District	W-007954	11/21/14	5S			X			Drinking water treatment facility; 92,000 GPD filter backwash discharge	
Orrington	Mallinckroot	W-001048	12/31/03	5N			X			Chlorine manufacturing facility; 0.15 MGD process water discharge	
Orrington	Penobscot Energy Recovery Co.	W-006893	08/26/14	5O			X			Refuse fired generating facility; 22,500 GPD non-contact cooling water; boiler blowdown water, misc. process waters	
Oxford	MGA Cast Stone Inc	W-008258	09/06/16	5S				X		Treated concrete block wash water	
Palermo	Dept. of Inland Fisheries & Wildlife	W-002035	12/20/16	6F			X			Palermo Fish Rearing Station; 4.75 MGD process water discharge	
Parsonsfield (Kezar Falls)	Kezar Falls Hydro LLC	W-008060	03/17/14	5R			X			Kezar Falls Hydro Project; 22,320 GPD non-contact cooling water	
Perry	Passama-quoddy Water District	W-007568	12/28/14	5S			X			Drinking water treatment facility; 45,000 GPD filter backwash discharge	
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	03/23/16	6F			X			Commercial fish hatchery and rearing station; 1.5 MGD process water discharge	

APPENDIX B
NON-POTW Waste Discharge Licenses as of December 31, 2012
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
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	06/05/17	5P			X			Sea urchin processing facility; 12,100 GPD process water discharge	
Portland	I.S.F. Trading Company	W-007808	11/21/14	5P			X			Sea urchin and shrimp processing facility; 23,000 GPD process water discharge	EL - Low pH SNC - Settleable Solids
Portland	Heritage Acquisition Corp.	W-000980	08/03/14	5R			X			Baked bean processing facility; 460,000 GPD non-contact cooling water	
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			Potato processing facility; 4.0 MGD process water and sanitary waste water	
Presque Isle	Presque Isle Water District	W-002618	10/16/14	5S			X			Drinking water treatment facility; 180,000 GPD filter backwash discharge	
Rangeley	Cooke Aquaculture USA, Inc	W-004701	10/15/15	6F			X			Commercial salmon hatchery; 12 MGD process water discharge	
Rockland	FMC Biopolymer	W-001999	12/04/17	5R			X			Carageenan manufacturing facility; 12.1 MGD contact and non-contact cooling 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	

APPENDIX B
NON-POTW Waste Discharge Licenses as of December 31, 2012
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
Rockland	Town of Rockland	W-007939	04/12/17	5V			X			Snow dump; discharge to tidewater	
Rockport	Town of Rockport	W-008134	05/16/17	5V			X			Snow dump; discharge to tidewater	
Rumford	Rumford Paper Company	W-000955	12/20/17	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	04/10/14	5R			X			Rumford Falls Hydro Project; 145,000 GPD non-contact cooling water	
Rumford	RE Energy Rumford, LLC	W-009067	06/21/16	5R			X			Non contact cooling water, 30 MGD and filter backwash from strainers	
Saco	FPL Energy Maine Hydro LLC	W-000584	09/22/13	5R			X			Cataract Hydro Project; 196,000 GPD non-contact cooling water	
Sanford	Evonik LLC	W-001914	11/01/15	5R			X			Plastics manufacturing facility; 300,000 GPD non-contact cooling water	
Scarborough	Bayley's Quality Seafood	W-000990	12/04/17	5P			X			Shellfish processing facility; 63.525 GPD seafood processing waste water discharge	
Searsport	GAC Chemical Corporation	W-002530	03/03/16	5S			X			Industrial chemical manufacturer (formerly General Alum); 124,000 GPD non-contact cooling water, process water, and storm water discharges	
Searsport	C.H. Sprague & Son, Inc.	W-002564	09/14/14	5S			X			Fuel oil terminal/transfer facility; storm water discharge	

APPENDIX B
NON-POTW Waste Discharge Licenses as of December 31, 2012
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
Searsport	Irving Oil Terminals, Inc.	W-000942	04/09/15	5S			X			Fuel oil terminal/transfer facility; storm water discharge	
Searsport	Irving Oil Terminals, Inc.	W-001373	04/09/15	5S			X			Fuel oil terminal/transfer facility; storm water discharge	
Skowhegan	FPL Energy Maine Hydro LLC	W-000583	09/22/13	5R			X			Weston Hydro Project; 576,000 GPD non-contact cooling water	
Smithfield	Camp Matoaka, Inc.	W-006097	06/11/15	5J					X	Commercial summer camp; 18,000 GPD sanitary waste water discharge	
Sorrento	Great Bay Aquaculture LLC	W-009015	11/02/17	6G			X			Cod aquaculture facility (Preble Island Site)	
South Bristol	South Bristol Wharf LLC	W-007095	12/04/17	5P			X			Shellfish processing facility; 20,000 GPD washing and cooking water discharge	
South Portland	Sprague Energy Corp.	W-000886	05/07/17	5S			X			Fuel oil terminal/transfer facility; storm water discharge	
South Portland	Clean Harbors Environmental Services, Co.	W-000647	04/15/14	5S			X			Fuel oil terminal/transfer facility; storm water discharge	
South Portland	South Portland Terminal LLC	W-002653	04/29/14	5S			X			Fuel oil terminal/transfer facility; storm water discharge and treated tank bottom discharge water	
South Portland	Citgo Petroleum Corp.	W-000637	09/29/14	5S			X			Fuel oil terminal/transfer facility; storm water discharge	
South Portland	Gulf Oil Limited Partnership	W-000737	10/16/14	5S			X			Fuel oil terminal/transfer facility; storm water discharge	
South Portland	Portland Pipeline Corporation	W-002651	11/10/14	5S			X			Fuel oil terminal/transfer facility; storm water discharge	
South Portland	Global Companies, LLC	W-002565	06/13/16	5S			X			Fuel oil terminal/transfer facility; storm water discharge	

APPENDIX B
NON-POTW Waste Discharge Licenses as of December 31, 2012
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
St. George	Sea Hag Seafood, Inc	W-009091	10/03/17	5P			X			Seafood processing facility. 15,000 GPD treated process wastewater & wash down water. 312,000 GPD non-contact cooling water.	
St. George	Midcoast Fishermans Coop	W-009064	06/28/16	5P			X			500 GPD seafood processing	
T3 Indian Purchase	Great Lakes Hydro America, LLC	W-008078	02/17/14	5R			X			North Twin Hydro Project; 36,000 GPD non-contact cooling water	
T3 R11	Great Lakes Hydro America, LLC	W-008079	03/16/14	5R			X			Ripogenus Hydro Project; 691,200 GPD non-contact cooling water	
Taunton & Raynham Twp.	Brassua Hydro Lmtd Prtnrshp	W-008054	11/06/13	5R			X			Brassua Hydro Project; 14,400 GPD non-contact cooling water	
Topsham	Topsham Hydro Partners	W-008058	04/15/14	5R			X			Pejepscot Hydro Project; 349,920 GPD non-contact cooling water	
Turner	Moark	W-008094	10/04/16	5O					X	Commercial egg production facility; 19,500 GPD egg wash water and sanitary waste water discharge	
Twp. 30,31,37	Project Share	W-009049	11/30/14	5Z			X			Experimental license for calcium discharge to improve water quality	
Veazie	Casco Bay Energy Co., L.C.C.	W-008016	04/11/16	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	

APPENDIX B
NON-POTW Waste Discharge Licenses as of December 31, 2012
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
Veazie	PPL Maine LLC	W-002568	04/15/14	5R			X			Veazie Hydro Project; 60,550 GPD non-contact cooling water	
Waldoboro	Osram Sylvania Inc	W-000714	12/12/16	5S			X			Light bulb filament manufacturing facility; 10,000 GPD treated groundwater discharge	
Warren	Aqua Maine Inc.	W-008214	11/22/15	5S				X		Drinking water treatment facility; 6,000 GPD filter backwash discharge	
Waterboro	Waterways, Inc.	W-008129	12/31/14	5S				X		Commercial car wash facility; 2,500 GPD wash water discharge	
Waterville	Maine Central Railroad	W-006634	06/10/16	5O			X			Railroad locomotive and railcar repair facility; 144,000 GPD process waste water & storm water discharges	
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	
Westbrook	City of Westbrook School Dept.	W-008247	03/31/13	5S				X	X	School; 16,000 GPD geothermal "bleed water" discharge	
Winslow	Hydro Kennebec LLC	W-007579	05/01/14	5R			X			Hydro Kennebec Project; 250,000 GPD non-contact cooling water	
Winthrop	Moark	W-008103	11/22/15	5P					X	Commercial egg production facility; 3,000 GPD egg wash and sanitary wastewater discharge	
Wiscasset	Town of Wiscasset	W-007711	10/28/14	5V			X			Snow dump; discharge to tidewater	

APPENDIX B
NON-POTW Waste Discharge Licenses as of December 31, 2012
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
Woolwich	Bath Water District	W-008140	04/18/17	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	06/17/15	5R			X			Restaurant & candy factory; 20,000 GPD non-contact cooling water discharge	

		LICENSES	MEPDES	TYPE	MAJ	TOX	SURF	SUB	SPRAY	COMMENTS	COMPLIANCE STATUS
TOTALS		213	170	---	12	17	171	13	35		EL = 3 SNC = 9

Does not include the following:

Atlantic Salmon Aquaculture facilities licensed under General Permit #MEG130000 – see Appendix C

Antifouling Paint Contaminated Vessel Wash Water facilities licensed under General Permit #MEG170000 – see Appendix D

Aquatic Pesticide discharges licensed under General Permit #MEG140000 – see Appendix E

Application of Piscicides discharges licensed under General Permit #MEG180000 – see Appendix F

Aquatic Herbicide discharges licensed under General Permit #MEG150000 – see Appendix G

APPENDIX B

NON-POTW Waste Discharge Licenses as of December 31, 2012

Key to Column Headings

LOCATION	Municipality in which discharge is located.
LICENSEE	Name of license holder.
LICENSE #	DEP waste water facility/license number.
EXP. DATE	Expiration date of last DEP license issued for the facility.
TYPE	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 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 General Permit coverage: Anti-fouling Paint, Aquatic Herbicides, Aquatic Pesticides and Piscicides for control of Invasive Fishes. 5Z Experimental discharge license 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)
MAJOR	Major discharge facility.
TOX	Facility is subject to toxicity testing.
SURF	Facility discharges to surface water.
SUB	Facility discharges through subsurface system.
SPRAY	Facility discharges through spray irrigation (i.e., land application) system.
COMPLIANCE STATUS	Indicates if the facility was in Significant Non Compliance (SNC) or Exception List (EL) during the year for the listed parameter(s). 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 H and I. Totals at bottom of column only include highest level of non-compliance per facility.

APPENDIX B

NON-POTW Waste Discharge Licenses as of December 31, 2012

NOTES

1. The seventeen type 5J licenses break down as follows: seven are for seasonal land application discharges from commercial campgrounds/summer camps; four are for land application discharges from trailer parks; five are for seasonal land application discharges of treated septage effluent; and one is for the year-round subsurface discharge of treated septage effluent.
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 (stud mill)—Woodland Pulp, LLC; Biddeford—MERC; Millinocket—Katahdin Paper; Rumford—Mead Paper; and Westbrook—SD Warren.
4. The following seven licensed facilities are currently shut down and are not discharging: Baileyville - Woodland Pulp (former OSB Mill), Belgrade - Pat Jackson, Inc.; LLC; Caribou - WPS New England Generation; Millinocket - Katahdin Paper Co, LLC.; Orrington - Mallinckrodt, LLC.; Phillips - DIFW; and South Bristol - South Bristol Wharf LLC.
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 seven 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 seven facilities are licensed as concentrated animal feeding operations (CAFOs): Clinton - Flood Brothers Inc., Rogers Farm, The Wright Place, Caverly Farms LLC; Dixmont - Wren Farm; Fort Fairfield - Pineland Farms Natural Meat Inc.; and Exeter - Stonyvale Inc.
12. Westbrook - City of Westbrook School Department is licensed for subsurface and land application discharges of geo thermal bleed water.

APPENDIX C

Atlantic Salmon Aquaculture Facilities Approved Under General Permit MEG130000 As of December 31, 2012 Sorted by Location

LICENSEE	LOCATION	LICENSE #	MEPDES #	DATE APPROVED	INSPECTOR	TYPE	NOTES
COOKE AQUACULTURE USA, INC.	MACHIASPORT	W-008165	MEG130001	12/02/08	MRY	6H	STARBOARD ISLAND SITE
COOKE AQUACULTURE USA, INC.	MACHIASPORT	W-008166	MEG130002	12/02/08	SRB	6H	STONE ISLAND SITE
COOKE AQUACULTURE USA, INC.	LUBEC	W-009048	MEG130022	08/28/09	MRY	6H	COBSCOOK BAY –LUBEC SITE
COOKE AQUACULTURE USA, INC.	PERRY	W-009041	MEG130019	04/28/09	MRY	6H	BIRCH POINT SITE
COOKE AQUACULTURE USA, INC.	EASTPORT	W-009040	MEG130018	04/28/09	MRY	6H	DEEP COVE SITE
COOKE AQUACULTURE USA, INC.	EASTPORT	W-009043	MEG130021	04/28/09	MRY	6H	JOHNSON’S COVE SITE
COOKE AQUACULTURE USA, INC.	LUBEC	W-009042	MEG130020	04/28/09	MRY	6H	SOUTH BAY SITE
COOKE AQUACULTURE USA, INC.	CUTLER	W-008228	MEG130017	12/02/08	SRB	6H	CUTLER WEST SITE
COOKE AQUACULTURE USA, INC.	FRENCHBORO	W-009065	MEG130023	03/22/11	MRY	6H	BLACK ISLAND SOUTH
COOKE AQUACULTURE USA, INC.	SWANS ISLAND	W-009066	MEG130024	03/22/11	MRY	6H	SCRAG ISLAND

NUMBER OF FACILITIES = 10

NOTE: GENERAL PERMIT MEG130000 EXPIRES SEPTEMBER 22, 2013.

APPENDIX D

Antifouling Paint Contaminated Vessel Wash Water General Permit MEG170000 As of December 31, 2012 Sorted by Location

LICENSEE	LOCATION	LICENSE #	MEPDES #	DATE APPROVED	TYPE	NOTES
SEAL COVE BOATYARD INC.	BROOKSVILLE	W-009046	MEG170006	9/28/2010	5Y	
HANDY BOAT	FALMOUTH	W-009046	MEG170009	12/28/2010	5Y	
MORRIS YACHTS INC.	MOUNT DESERT	W-009046	MEG170003	8/11/2010	5Y	
GAMAGE SHIPYARD LLC	SOUTH BRISTOL	W-009046	MEG170004	8/12/2010	5Y	
SOUTHPORT MARINE, LLC	SOUTH PORTLAND	W-009046	MEG170001	8/11/2010	5Y	
PORT HARBOR MARINE	SOUTH PORTLAND	W-009046	MEG170008	10/28/2010	5Y	
BOOTHBAY REGION BOATYARD INC.	SOUTHPORT	W-009046	MEG170010	12/28/2010	5Y	
MORRIS YACHTS INC.	TREMONT	W-009046	MEG170002	8/11/2010	5Y	
PEP J MARINE LLC	YORK	W-009046	MEG170007	9/28/2010	5Y	

NUMBER OF FACILITIES = 9

NOTE: GENERAL PERMIT MEG170000 EXPIRES OCTOBER 14, 2014.

APPENDIX E

Aquatic Pesticide Discharges Approved Under General Permit MEG140000 As of December 31, 2012 Sorted by Location

LICENSEE	LOCATION	LICENSE #	MEPDES #	DATE APPROVED	INSPECTOR	TYPE	NOTES
TOWN OF YORK	YORK	W-009014	MEG140001	09/27/2010	SMR	5Y	PERMIT FOR TREATMENT OF 12 FRESHWATER WETLANDS QUALIFYING AS MOSQUITO BREEDING HABITAT
TOWN OF KITTERY	KITTERY	W-009021	MEG140002	09/27/2010	SMR	5Y	PERMIT FOR TREATMENT OF 18 FRESHWATER AND 1 SALTWATER WETLANDS QUALIFYING AS MOSQUITO BREEDING HABITAT

NUMBER OF FACILITIES = 2

NOTE: GENERAL PERMIT MEG140000 EXPIRES SEPTEMBER 28, 2015.

APPENDIX F

General Permit Application of Piscicides for the Control of Invasive Fishes MEG180000 As of December 31, 2012 Sorted by Location

LICENSEE	LOCATION	LICENSE #	MEPDES #	DATE APPROVED	INSPECTOR	TYPE	NOTES
MAINE DEPT IF&W BIG REED POND	T8 R10 WELS	W-009057	MEG180001	03/03/2010		5Y	PERMIT FOR APPLICATION OF PISCICIDES TO BIG REED POND.
MAINE DEPT IF&W BIG WADLEIGH POND	T8 R15 WELS	W-009089	MEG1800023	06/11/2012		5Y	PERMIT FOR APPLICATION OF PISCICIDES TO BIG WADLEIGH POND

NUMBER OF FACILITIES = 2

NOTE: GENERAL PERMIT MEG180000 EXPIRES SEPTEMBER 9, 2014.

APPENDIX G

Aquatic Herbicide Discharges Approved Under General Permit MEG150000 As of December 31, 2012 Sorted by Location

LICENSEE	LOCATION	LICENSE #	MEPDES #	DATE APPROVED	INSPECTOR	TYPE	NOTES
MAINE DEP—INVASIVE AQUATIC SPECIES PROGRAM	BELGRADE	W-009047	MEG150003	07/30/09	JRC	5Y	PERMIT FOR AQUATIC HERBICIDE TREATMENT OF SALMON LAKE TO CONTROL EURASIAN WATER MILFOIL
MAINE DEP – INVASIVE AQUATIC SPECIES PROGRAM	JEFFERSON	W-009058	MEG150004	05/11/2010	JRC	5Y	PERMIT FOR AQUATIC HERBICIDE TREATMENT OF DAMARISCOTTA LAKE TO CONTROL INVASIVE HYDRILLA VERTICILLATA.
MAINE DEP—INVASIVE AQUATIC SPECIES PROGRAM	LIMERICK	W-009022	MEG150001	06/17/2008	SMR	5Y	PERMIT FOR AQUATIC HERBICIDE TREATMENT OF PICKEREL POND TO CONTROL INVASIVE HYDRILLA VERTICILLATA
MAINE DEP—INVASIVE AQUATIC SPECIES PROGRAM	SCARBOROUGH	W-008221	MEG150002	3/5/09	SMR	5Y	PERMIT FOR AQUATIC HERBICIDE TREATMENT OF PLEASANT HILL POND TO CONTROL EURASIAN WATER MILFOIL

NUMBER OF FACILITIES = 4

NOTE: GENERAL PERMIT MEG150000 EXPIRES OCT 4, 2016.

APPENDIX H

Point Source Dischargers on the Exceptions List (EL)*

Calendar Year 2012

(*SEE PAGE 8 FOR DEFINITION OF EL)

FACILITY	PARAMETER(S)	STATUS (EL)*
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<p>BAILEYVILLE</p> <p>WOODLAND PULP, LLC</p>	<p>Zinc</p> <p>ACTIONS: Facility experienced a number of violations due to some leaks around the diffusion washer seals, and these violations were exacerbated by higher flows due to non-contact cooling water. DEP issued a NOV for the violations. The facility has repaired the leaking seals and has removed the flow of non-contact cooling water to alleviate this condition.</p>	
<p>BRUNSWICK</p> <p>GRAHAM ROAD LANDFILL</p>	<p>Ammonia</p> <p>ACTIONS: Facility has experienced consistent ammonia violations. DEP is providing technical assistance to the City of Brunswick to institute a pilot project for a cold weather nitrification reactor, which hopefully will reduce ammonia levels in the effluent. Study is still on-going at this time.</p>	
<p>BUCKSPORT</p> <p>PUBLICLY OWNED TREATMENT WORKS</p>	<p>Biological Oxygen Demand Biological Oxygen Demand %</p> <p>ACTIONS: Bucksport is currently under a DEP consent agreement that requires the town to construct a secondary wastewater treatment facility. This requirement is as a result of EPA not reissuing the town's 301h exemption waiver. Bucksport will continue to experience violations as they cannot meet the secondary standards in their license with the existing primary treatment plant. The town continues to make progress on the financing and design of their new plant as required by their consent agreement.</p>	
<p>GOULDSBORO</p> <p>LOBSTER WEB CO., LLC</p>	<p>Total Settleable Solids Oil & Grease</p> <p>ACTIONS: Facility experienced violations of TSS and oil & grease as a result of operations. DEP had worked out a schedule for the installation of the necessary pieces of equipment to address the violations experienced. Unfortunately, this business was closed and subsequently was sold through bankruptcy. Permit was transferred to new owner.</p>	

APPENDIX H

Point Source Dischargers on the Exceptions List (EL) Calendar Year 2012

FACILITY	PARAMETER(S)	STATUS (EL)*
<p>PORTLAND</p> <p>I.S.F. TRADING COMPANY</p>	<p>Low pH</p> <p>ACTIONS: Facility experienced pH violations, along with other suspended solids violations, and ultimately the facility was issued a NOV and has signed a consent agreement. Facility owner is working with an engineering firm to design a wastewater treatment system to treat the effluent from the sea cucumber processing line to resolve these permit violations.</p>	
<p>SORRENTO</p> <p>PUBLICLY OWNED TREATMENT WORKS</p>	<p>Total Residual Chlorine</p> <p>ACTIONS: Facility experienced TRC violations as a result of the limitations of the tablet chlorination system that they currently use for disinfection. Town has increased the frequency of testing and purchased a TRC analyzer so that they can more closely observe the TRC in the effluent for compliance with their limit. Town plans to extend outfall pipe to deeper water to resolve TRC issues.</p>	
<p>WINTERPORT</p> <p>WINTERPORT WATER DISTRICT</p>	<p>Biological Oxygen Demand Biological Oxygen Demand % Total Settleable Solids</p> <p>ACTIONS: Winterport has experienced a number of violations of their license. This is due to the fact that EPA did not grant them a 301h waiver to continue to use their primary treatment plant. They have been issued a license with secondary limits and will continue to experience violations until such a time as their new treatment plant is constructed. They have been issued an NOV for the violations and have entered into negotiations with the DEP concerning a consent agreement with DEP to establish a schedule for constructing their new treatment plant.</p>	

APPENDIX I

Point Source Dischargers Significant Non-Compliance (SNC)*

Calendar Year 2012

(*SEE PAGE 8 FOR DEFINITION OF SNC)

FACILITY	PARAMETER(S)	STATUS (SNC)
<p>AUGUSTA</p> <p>IF&W - GOVERNOR HILL HATCHERY</p>	<p>Phosphorus</p> <p>ACTIONS: Facility continues to experience violations of their phosphorus limits despite having installed some improvements designed to enhance the removal of solids from the facility. DEP sent the facility a LOW for recurring late reporting of effluent violations. DEP continues to monitor the development of the proposed nutrient rules and future action on the part of the DEP will be dependent on the rules that are ultimately promulgated.</p>	
<p>BAILEYVILLE</p> <p>WOODLAND PULP, LLC</p>	<p>Zinc</p> <p>ACTIONS: Facility experienced a number of violations due to some leaks around the diffusion washer seals, and these violations were exacerbated by higher flows due to non-contact cooling water. DEP issued a NOV for the violations. The facility has repaired the leaking seals and has removed the flow of non-contact cooling water to alleviate this condition.</p>	
<p>BUCKSPORT</p> <p>PUBLICLY OWNED TREATMENT WORKS</p>	<p>Biological Oxygen Demand Biological Oxygen Demand % Total Settleable Solids Total Settleable Solids %.....</p> <p>ACTIONS: Bucksport is currently under a DEP consent agreement that requires the town to construct a secondary wastewater treatment facility. This requirement is as a result of EPA not reissuing the town's 301h exemption waiver. Bucksport will continue to experience violations as they cannot meet the secondary standards in their license with the existing primary treatment plant. The town continues to make progress on the financing and design of their new plant as required by their consent agreement.</p>	
<p>BEALS</p> <p>CARVER SHELLFISH, INC</p>	<p>Flow</p> <p>ACTIONS: Facility experienced a singular flow violation, which did not result in any other violations at the facility. As a result, DEP monitored this situation and did not see the circumstances repeat at any other time in the year.</p>	

APPENDIX I

Point Source Dischargers Significant Non-Compliance (SNC) Calendar Year 2012

FACILITY	PARAMETER(S)	STATUS (SNC)
<p>CAPE ELIZABETH</p> <p>PORTLAND WATER DISTRICT</p>	<p>Mercury</p> <p>ACTIONS: Facility sampled their effluent and got a value that exceeded their limits. When staff investigated this incident, they realized that some tanks at the facility had just been cleaned prior to sampling. This is enough to cause an abhorrent value with mercury testing since testing is being done down to single digit parts per trillion range. Will be communicating more effectively when next sample is taken.</p>	
<p>EMBDEN</p> <p>IF&W - ELA FISH REARING STATION</p>	<p>Phosphorous</p> <p>ACTIONS: Facility continues to experience violations of their phosphorus limits. DEP sent the facility a LOW for recurring late reporting of effluent violations. DEP continues to monitor the development of the proposed nutrient rules and future action on the part of the DEP will be dependent on the rules that are ultimately promulgated.</p>	
<p>FREEPORT</p> <p>PUBLICLY OWNED TREATMENT WORKS</p>	<p>Settleable Solids</p> <p>ACTIONS: Facility experienced some settleable solids violations in the first and second quarters. Believe that the problem could have been control of the new aeration system, causing over production of sludge. Facility has consulted with both DEP technical staff and an engineering consulting firm. Facility staff has been working through modifying their operational strategies since the plant upgrade was completed. DEP monitoring the situation.</p>	
<p>GRAY</p> <p>IF&W – DRY MILLS FISH HATCHERY</p>	<p>Phosphorous</p> <p>ACTIONS: Facility has made efforts to reduce phosphorus (P) in facility by use of feed with less P. They have also minimized feed waste by optimizing weight gain to food usage ratios and positioning fish in raceways in such a fashion that food is fully consumed before it can enter the treatment ponds. DEP continues to monitor the development of the proposed nutrient rules and future action on the part of the DEP will be dependent on the rules that are ultimately promulgated.</p>	

APPENDIX I

Point Source Dischargers Significant Non-Compliance (SNC) Calendar Year 2012

FACILITY	PARAMETER(S)	STATUS (SNC)
HOLLIS NESTLE WATERS NORTH AMERICA, INC	High pH ACTIONS: Excessive algae that has established in lagoon caused pH to be elevated. Facility adjusts the pH to 7.0 when discharged from the facility to the lagoon system. As a result of the situation, facility staff have requested pH limit be changed to monitor due to no effects observed on spray field and no issues in monitoring wells. DEP will be making license change.	
NEW GLOUCESTER IF&W - FISH HATCHERY	Phosphorous ACTIONS: Facility reported continuing nutrient violations (total P) during monitoring season. DEP continues to monitor the development of the proposed nutrient rules and future action on the part of the DEP will be dependent on the rules that are ultimately promulgated.	
ORLAND CRAIG BROOK NATIONAL FISH HATCHERY	Phosphorus ACTIONS: Facility experienced a number of phosphorus violations this year. Facility underwent some treatment plant upgrades that were completed as of July 26, 2012. DEP is monitoring the phosphorus situation and the effect of the upgrades. DEP continues to monitor the development of the proposed nutrient rules and future action on the part of the DEP will be dependent on the rules that are ultimately promulgated.	
PORTLAND PORTLAND WATER DISTRICT EAST END TREATMENT FACILITY	Settleable Solids Fecal Coliform Bacteria ACTIONS: Facility experienced a number of fecal coliform violations through the summer and fall. Possibility that this is the result of partial nitrification. Engineering firm provided some operational recommendations. Also had some SCADA logic problems that affected the disinfection system at the plant. Facility has continued to work with various consultants and DEP technical staff to diagnose what the root of the problems is that is causing disinfection problems.	

APPENDIX I

Point Source Dischargers Significant Non-Compliance (SNC) Calendar Year 2012

FACILITY	PARAMETER(S)	STATUS (SNC)
<p>PORTLAND</p> <p>ISF TRADING COMPANY</p>	<p>Settleable Solids</p> <p>ACTIONS: Facility experienced a number of settleable solids violations this summer and fall. As a result of past violations and these more recent ones, DEP has initiated a consent agreement against the facility.</p>	
<p>SORRENTO</p> <p>PUBLICLY OWNED TREATMENT WORKS</p>	<p>Total Residual Chlorine</p> <p>ACTIONS: Facility experienced TRC violations as a result of the limitations of the tablet chlorination system that they currently use for disinfection. Town has increased the frequency of testing and purchased a TRC analyzer so that they can more closely observe the TRC in the effluent for compliance with their limit. Town plans to extend outfall pipe to deeper water to resolve TRC issues.</p>	
<p>WASHBURN</p> <p>WASHBURN WATER & SEWER DISTRICT</p>	<p>Copper</p> <p>ACTIONS: Facility experienced a number of copper violations beginning in the second quarter. Retesting confirmed these results. Washburn proposed to conduct monthly testing to enable them to attempt to track down the source of the copper. Facility has enlisted the assistance of a consultant to assist in identifying the source. DEP staff has inspected the facility building and grounds as part of the activities scheduled to attempt to identify the cause of the copper violations. DEP monitoring the situation.</p>	
<p>WINTERPORT</p> <p>WINTERPORT WATER DISTRICT</p>	<p>Biological Oxygen Demand Biological Oxygen Demand % Total Settleable Solids Total Settleable Solids %</p> <p>ACTIONS: Winterport has experienced a number of violations of their license. This is due to the fact that EPA did not grant them a 301h waiver to continue to use their primary treatment plant. They have been issued a license with secondary limits and will continue to experience violations until such a time as their new treatment plant is constructed. They have been issued an NOV for the violations and have entered into negotiations with the DEP concerning a consent agreement with DEP to establish a schedule for constructing their new treatment plant.</p>	

APPENDIX I

Point Source Dischargers Significant Non-Compliance (SNC) Calendar Year 2012

FACILITY	PARAMETER(S)	STATUS (SNC)
YARMOUTH SEA MEADOWS SUBDIVISION	Total Residual Chlorine	ACTIONS: Facility experienced a number of TRC violations in the first and second quarters this year. DEP worked closely with the facility and provided technical assistance to attempt to eliminate the violations being experienced. A number of adjustments were made, but still were experiencing problems. A new permit was issued and the TRC limit was able to be changed to 1.0 mg/L, which has eliminated the string of ongoing violations. DEP monitoring the situation.

APPENDIX J

Projects Funded by the Clean Water State Revolving Loan Fund (CWSRF) During
the State Fiscal Year 2012:

PROJECT	PROJECT AMOUNT
CITY OF BATH: PUMP STATION UPGRADE AND FORCE MAIN REPLACEMENT – CSO ABATEMENT PROJECTS	\$2,000,000
TOWN OF BINGHAM: PUMP STATION UPGRADE AND SEWER REPLACEMENT	\$39,373
CITY OF CALAIS: SEWER SEPARATION – CSO ABATEMENT PROJECTS	\$995,000
FINANCE AUTHORITY OF MAINE: FUNDS FOR PASS THROUGH LOAN PROGRAM FOR AGRICULTURAL NON-POINT SOURCE ABATEMENT PROJECTS	\$2,334,261
GREATER AUGUSTA UTILITY DISTRICT: CSO STORAGE FACILITY AND SEWER SEPARATION	\$14,520,000
LEWISTON – AUBURN WATER POLLUTION CONTROL AUTHORITY: ANAEROBIC SLUDGE DIGESTER AND CO-GENERATION	\$14,719,490
TOWN OF MACHIAS: SEWER EXTENSION	\$500,000
MAINE FOREST SERVICE: FUNDS FOR DIRECT LINK PROGRAM TO ADDRESS NON-POINT SOURCE POLLUTION FROM TIMBER HARVESTING	\$2,530,897
MAINE STATE HOUSING AUTHORITY: FUNDS FOR PASS THROUGH LOAN PROGRAM FOR SEPTIC REPAIR AND REPLACEMENT PROGRAM	\$600,000
MILO WATER DISTRICT – SEWER DIVISION: REFINANCE OF RURAL DEVELOPMENT SEWER LOAN	\$268,620
CITY OF PORTLAND: SEWER SEPARATION 2011 - CSO ABATEMENT	\$7,295,000
PORTLAND WATER DISTRICT: DECOMMISSIONED LOAN	(\$3,000,000)
PORTLAND WATER DISTRICT: WWTF AND PUMP STATION UPGRADES	\$2,700,000
TOWN OF SAINT AGATHA: SEWER REPLACEMENT, WWTF AND PUMP STATION UPGRADES	\$1,000,000
SANFORD SEWERAGE DISTRICT: PUMP STATION UPGRADES	\$1,000,000
TOWN OF VINALHAVEN: REFINANCE OF RURAL DEVELOPMENT SEWER LOAN	\$1,130,000
WASHBURN WATER & SEWER DISTRICT: PUMP STATION UPGRADE	\$328,000
WELLS SANITARY DISTRICT: WWTF HVAC UPGRADE	\$1,245,000
TOTAL	\$50,205,640

APPENDIX K

POTW PROJECTED UPGRADE NEEDS

POTW Projected Upgrade Needs

Maine's Clean Water State Revolving Fund (CWSRF) was established to maintain and improve the state's inventory of Publicly Owned Treatment Works (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 2012 (most recent update). These documented needs are determined from engineering studies and capital improvement plans for municipalities and districts.

MAINE Wastewater Facilities Needs

Prepared by Maine DEP

Municipality or District	Total Costs	Wastewater Treatment	Sewer Replacement or Rehabilitation	New Collector or Interceptor Sewers	Combined Sewer Overflow Correction
ANSON-MADISON WWTF	\$3,997,549		\$984,947	\$3,012,602	
AUBURN CS	\$1,145,182				\$1,145,182
BANGOR WPCF	\$28,063,366	\$5,375,766			\$22,687,600
BAR HARBOR STP	\$14,660,111		\$2,213,480		\$12,446,631
BATH WWTP	\$6,965,502				\$6,965,502
BAYVILLE WWTF	\$924,017			\$924,017	
BELFAST STP	\$5,084,254				\$5,084,254
BERWICK WPCF	\$32,872,237	\$2,021,095	\$1,400,000	\$29,451,142	
BETHEL WWTF	\$2,788,523		\$734,345	\$2,054,178	
BIDDEFORD POOL	\$248,109	\$248,109			
BIDDEFORD POOL	\$248,109	\$248,109			
BIDDEFORD WWTP	\$56,728,923				\$56,728,923
BLUE HILL WWTP	\$150,440	\$50,679	\$99,761		
BOOTHBAY HARBOR WWTF	\$3,327,424		\$2,282,101	\$1,045,323	
BOOTHBAY SEWERS	\$2,855,245			\$2,855,245	
BREWER WWTF	\$6,999,043	\$1,936,529	\$2,978,514		\$2,084,000
BRIDGTON STP					
BROWNVILLE WWTF	\$10,078,946	\$8,910,660	\$1,168,286		
BRUNSWICK STP	\$19,372,173	\$15,401,076	\$3,971,097		
BUCKSPORT WWTP	\$6,048,107	\$5,833,439	\$214,668		
CALAIS WWTF	\$10,839,517	\$3,850,000		\$3,389,517	\$3,600,000
CAMDEN WPCF	\$4,001,290	\$103,712	\$484,975	\$3,412,603	
CAPITOL ISLAND VILLAGE CORP	\$934,921			\$934,921	
CARIBOU UTILITY DISTRICT	\$6,975,088	\$339,349	\$6,635,739		
CASTINE WPCF	\$933,267		\$933,267		
CLINTON WWTF	\$1,275,114		\$1,275,114		

APPENDIX K

POTW Projected Upgrade Needs

Municipality or District	Total Costs	Wastewater Treatment	Sewer Replacement or Rehabilitation	New Collector or Interceptor Sewers	Combined Sewer Overflow Correction
CORINNA WPCF	\$498,804		\$498,804		
CUMBERLAND INTERCEPTOR	\$190,602		\$190,602		
DEXTER TREATMENT PLANT	\$2,607,377	\$1,748,470	\$858,907		
DIXFIELD CS	\$544,222		\$544,222		
DOVER-FOXCROFT WPCF	\$1,644,863	\$209,729	\$1,416,745		\$18,389
EASTPORT WWTF	\$4,925,000	\$4,925,000			
ELIOT CS	\$9,746,965		\$4,245,125	\$5,501,840	
ELLSWORTH WWTP	\$3,298,806		\$3,298,806		
FAIRFIELD CS	\$2,870,982		\$2,410,789		\$460,193
FALMOUTH WWTF	\$6,549,703	\$851,562	\$5,698,141		
FARMINGTON WPCF	\$1,807,106	\$1,772,472	\$34,634		
FORT KENT WWTF	\$1,179,572		\$1,179,572		
FREEPORT WWTF	\$3,056,746		\$3,056,746		
GARDINER WPCF	\$4,023,653	\$2,453,670	\$459,811		\$1,110,172
GORHAM VILLAGE CS	\$205,650		\$205,650		
GREAT SALT BAY WPCF	\$459,244	\$395,049	\$64,195		
GREATER AUGUSTA UTILITY DISTRICT	\$29,651,695	\$4,534,117	\$16,034,055		\$9,083,523
GREENVILLE WWTF	\$1,496,412	\$997,608	\$498,804		
HAMPDEN CS	\$3,400,500		\$3,400,500		
HARTLAND WWTP	\$561,469	\$561,469			
HOULTON WPCF	\$1,573,806		\$604,981	\$968,825	
HULLS COVE STP	\$651,853				\$651,853
INDIAN ISLAND WWTF	\$1,787,596	\$987,622	\$799,974		
JONESPORT STP	\$10,868,213	\$2,069,324		\$8,798,889	
KENNEBEC WWTP	\$7,585,411	\$6,801,685	\$645,481		\$138,245
KENNEBUNK STP	\$9,897,041		\$2,568,094	\$7,328,947	
KENNEBUNKPORT WWTF	\$1,303,132		\$1,303,132		
KITTERY WPCF	\$10,701,476	\$5,754,845		\$4,946,631	
LEWISTON SEWER SYSTEM	\$11,953,101		\$5,000,000		\$6,953,101
LEWISTON-AUBURN WATER POLLUTION CONTROL AUTHORITY	\$11,595,000	\$4,095,000			\$7,500,000
LINCOLN WWTF	\$1,886,523		\$1,886,523		
LINCOLNVILLE SD	\$7,369,390	\$2,700,881		\$4,668,509	
LISBON WPCF	\$7,117,771		\$7,117,771		
LITTLE FALLS VILLAGE	\$30,095		\$30,095		
LIVERMORE FALLS WWTF	\$3,429,294	\$3,429,294			
MACHIAS WWTF	\$2,925,000	\$1,925,000	\$1,000,000		
MADAWASKA WWTF	\$6,016,253	\$1,675,139	\$923,955		\$3,417,159

APPENDIX K

POTW Projected Upgrade Needs

Municipality or District	Total Costs	Wastewater Treatment	Sewer Replacement or Rehabilitation	New Collector or Interceptor Sewers	Combined Sewer Overflow Correction
MAPLETON STP	\$1,098,731		\$1,098,731		
MARS HILL WWTP	\$1,570,957		\$1,570,957		
MATTAWAMKEAG WWTF	\$395,816	\$395,816			
MECHANIC FALLS WWTP	\$4,576,478	\$1,820,635			\$2,755,843
MEXICO SEWER SYSTEM	\$681,413		\$681,413		
MILFORD CS	\$2,781,250				\$2,781,250
MILLINOCKET WWTF	\$14,403,946	\$4,880,284	\$9,523,662		
N CAPE ELIZABETH CS	\$769,797		\$769,797		
NEWPORT WWTF	\$897,848	\$798,087	\$99,761		
NORTH ANSON CS	\$302,989		\$302,989		
NORTH JAY WWTF	\$850,998		\$850,998		
NORTHEAST HARBOR STP	\$5,912,245	\$4,616,948	\$1,295,297		
NORWAY STP	\$626,917	\$120,300	\$506,617		
OAKLAND CS	\$556,373		\$556,373		
OGUNQUIT WWTF	\$10,444,850	\$8,883,873	\$1,560,977		
OLD ORCHARD BEACH WPCF	\$29,445,569	\$22,969,106	\$6,476,463		
OLD TOWN WWTF	\$13,914,076	\$638,518	\$8,939,257		\$4,336,301
ORONO WWTP	\$20,081,968		\$18,116,049	\$989,540	\$976,379
OXFORD WPCF	\$22,820,646	\$6,225,554		\$16,595,092	
PEAKS ISLAND STP	\$3,491,033	\$300,951	\$80,254	\$3,109,828	
PITTSFIELD WWTF	\$7,427,193		\$7,427,193		
PLEASANT PT WWTF	\$6,279,216		\$6,279,216		
PORTLAND EAST END WWTF	\$14,747,225	\$12,427,275	\$2,319,950		
PORTLAND PUBLIC SEWERS	\$171,296,145				\$171,296,145
PRESQUE ISLE WWTF	\$9,407,788	\$2,476,694	\$4,238,709	\$2,692,385	
PROUTS NECK WPCF	\$2,558,089			\$2,558,089	
QUODDY VILLAGE WWTF	\$855,000	\$855,000			
RANDOLPH CS	\$173,075				\$173,075
RANGELEY WWTF	\$644,005		\$644,005		
RICHMOND WWTF	\$7,228,731	\$6,848,857	\$379,874		
ROCKLAND WWTF	\$15,729,383	\$2,825,129			\$12,904,254
RUMFORD-MEXICO S F	\$4,154,722	\$4,154,722			
S. CAPE ELIZABETH WWTF	\$5,405,585	\$1,269,011	\$1,767,085		\$2,369,489
SACO WATER RESOURCE RECOVERY DIVISION	\$4,293,848	\$734,002	\$2,759,846		\$800,000
SANFORD WWTF	\$7,473,533	\$2,007,710	\$4,981,135		\$484,688
SEAL HARBOR STP	\$1,177,543		\$1,177,543		
SKOWHEGAN WWTF	\$29,674,119	\$7,224,485	\$4,256,127	\$7,948,507	\$10,245,000

APPENDIX K

POTW Projected Upgrade Needs

Municipality or District	Total Costs	Wastewater Treatment	Sewer Replacement or Rehabilitation	New Collector or Interceptor Sewers	Combined Sewer Overflow Correction
SO BERWICK SEWAGE PLANT	\$186,022		\$186,022		
SOMESVILLE STP	\$3,210,637			\$3,210,637	
SOUTH PORTLAND STP	\$23,929,388	\$8,860,855	\$316,922		\$14,751,611
STOCTON SPRINGS	\$21,055,310	\$6,584,071		\$14,471,239	
STONINGTON WPCF	\$1,759,720		\$252,988	\$1,506,732	
TOPSHAM CS	\$3,311,260		\$1,153,843	\$2,157,417	
VEAZIE STP	\$1,395,326	\$150,000	\$289,000	\$956,326	
WARREN WWTF	\$296,287		\$296,287		
WASHBURN STP	\$13,666,157	\$3,666,157		\$10,000,000	
WATERVILLE SEWERAGE SYSTEM	\$192,053		\$192,053		
WELLS WWTF	\$1,357,731	\$1,357,731			
WESTBROOK CS	\$12,323,922				\$12,323,922
WESTBROOK WWTF	\$4,975,458	\$2,871,809	\$752,378		\$1,351,271
WINDHAM CS	\$38,110,858			\$38,110,858	
WINSLOW CS	\$737,643				\$737,643
WINTER HARBOR WWTF	\$1,404,740	\$592,343	\$812,397		
WINTERPORT WWTF	\$10,500,000	\$10,000,000			\$500,000
WINTHROP CS	\$2,024,535		\$2,024,535		
Winthrop WWTF	\$11,342,243	\$8,584,568		\$2,757,675	
WISCASSET SEWAGE TREATMENT	\$1,592,702	\$755,331	\$837,371		
WOODLAND WWTF	\$7,097,176	\$2,898,376	\$4,198,800		
YARMOUTH WWTP	\$1,228,593	\$1,228,593			
YORK WPCF	\$11,980,733	\$1,314,467	\$3,266,006	\$7,400,260	
	\$1,000,754,377	\$233,543,717	\$194,591,288	\$193,757,774	\$378,861,598

CS =	COLLECTION SYSTEM
PC =	POLLUTION CONTROL
SD =	SEWER DISTRICT
STP =	SEWAGE TREATMENT PLANT
WPCF =	WATER POLLUTION CONTROL FACILITY
WWTF =	WASTEWATER TREATMENT FACILITY
WWTP =	WASTEWATER TREATMENT PLANT

APPENDIX L

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.

2012

York Sewer District

2011

Joan Kiszely – Maine Municipal Association

Nancy Sargent – Maine Wastewater Control Association

Robert Gundersen – Bethel Wastewater Treatment Facility

2010

Kent Mitchell – Livermore Falls Wastewater Treatment Plant

Paul Morin, Mark Duquette & Tom Hollowell – Sabattus Sanitary District
Sanford Sewerage District

Steven Tapley – Kittery Wastewater Treatment Plant

2009

Mike Broadbent – Richmond Utilities District

John Fancy & Richard Robinson – Thomaston Pollution Control Facility

Russ Mathers – Wilton Wastewater Treatment Facility

Newport Sanitary District

Brad Roland – City of Portland

Bath Wastewater Treatment Plant

2008

City of Bangor Wastewater Treatment Facility

Tammy Bonner – Former Town Manager – Danforth

Saco Wastewater Treatment Facility

APPENDIX M

Acronyms Used in This Report

ACRONYM	TERM	DEFINITION
BOD	Biochemical Oxygen Demand	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.
CSO	Combined Sewer Overflow	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.
CWA	Clean Water Act	A Federal Law established in 1972 to protect and improve the waters of the United States.
CWSRF	Clean Water State Revolving Loan Fund	The CWSRF provides low interest loans to municipalities and quasi-municipal corporations such as sanitary districts for construction of wastewater facilities. The CWSRF is capitalized by federal grants from EPA that require state matching funds equal to 20% of the federal grant.
DMR	Discharge Monitoring Report	A monthly report submitted to the DEP by licensed dischargers that summarizes required monitoring data.
EL	Exceptions List	EL is a compliance status criteria developed by the EPA and utilized by the DEP to track compliance. A facility is placed on the EL if a facility already in SNC (see below) qualifies for SNC again in the next quarter.
NON POTW	Non-Publicly Owned Treatment Works	Non-POTWs comprise a variety of municipal, commercial, or industrial dischargers.
NPDES	National Pollutant Discharge Elimination System Program	The NPDES program controls water pollution by regulating point sources that discharge pollutants into waters of the United States.
OBD	Overboard Discharge	OBDs are treated discharges to surface waters of domestic pollutants that are not conveyed and treated in municipal or quasi-municipal treatment facilities. They are typically from residential or small commercial facilities.
POTW	Publicly Owned Treatment Works	A POTW is a municipal or quasi-municipal wastewater treatment facility that treats residential, commercial and industrial wastewater.
SNC	Significant Non Compliance	SNC is a compliance status criteria developed by the EPA and utilized by the DEP to track compliance. 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.
TSS	Total Suspended Solids	TSS is a measure of the filterable solids present in a wastewater sample.