

Status Update: Public Awareness of Sewage Pollution 314 CMR 16.00

Report to the Water Resources Commission

September 8, 2022



Refresher - Events Requiring Notification

- Combined Sewer Overflows (CSOs)
- Partially treated wastewater
- Blended wastewater
- Some types of Sanitary Sewer Overflows (SSOs)
 - any Sanitary Sewer Overflow that discharges through a wastewater outfall, either directly or indirectly, to a surface water of the Commonwealth;
 - any SSO that flows into a surface water of the Commonwealth and is the result of the sanitary sewer system surcharging under high flow conditions when peak flows cannot be conveyed to a POTW due to capacity constraints; and
 - any SSO that flows into a surface water of the Commonwealth and is the result of a failure of a wastewater pump station or associated force main designed to convey peak flows of one million gallons per day or greater

Actions since last meeting with WRC

- Regulations promulgated on January 7, 2022
- Corrections to regulations promulgated on January 21, 2022
- Registration of 217 permittees to use the data system
- Brought the data system on-line July, 2022
- July 6 - Permittees began issuing public advisory notification and reporting into the data system

Outreach and Training

CSO Permittees

- January 14, 2022
- January 20, 2022

SSO Permittees

- February 3, 2022
- May 26, 2022

Mass Health Officers Association

- March 2, 2022

Boards of Health

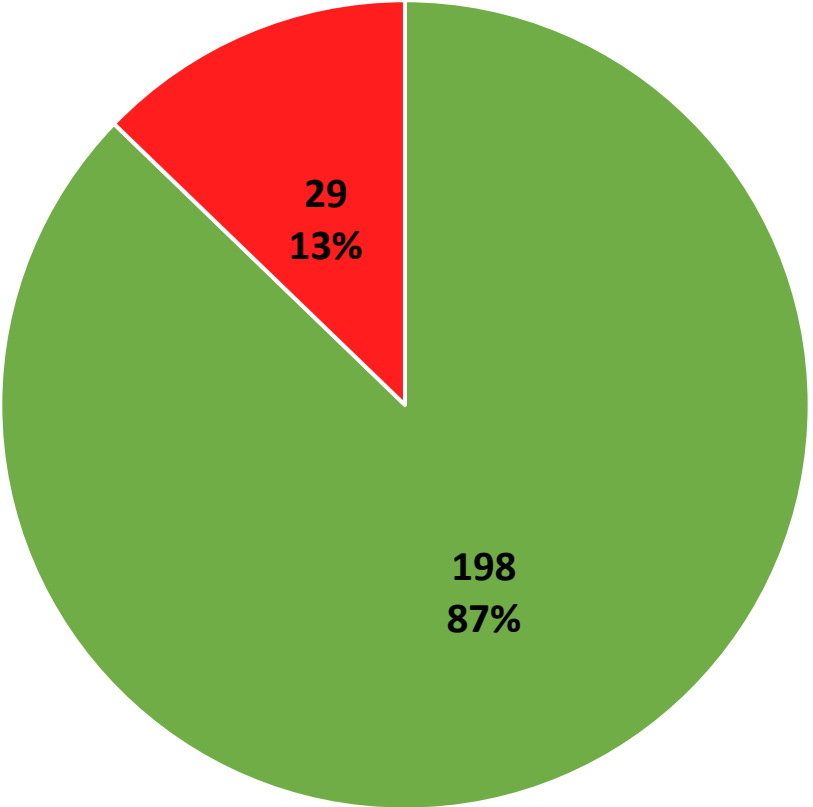
- April 7, 2022

Sewage Notification Data System

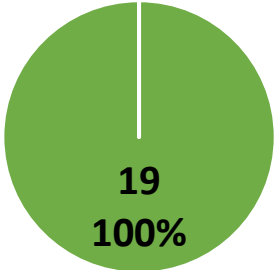
- June 13, 2022
- June 16, 2022

Follow-up efforts increased Data System registration from 64% in July to 87% today for SSO permittees

Email & phone outreach



412 total users in Data System



Registered CSO users

Registered SSO User(s)

Have not registered

CSO Public Notification Plans

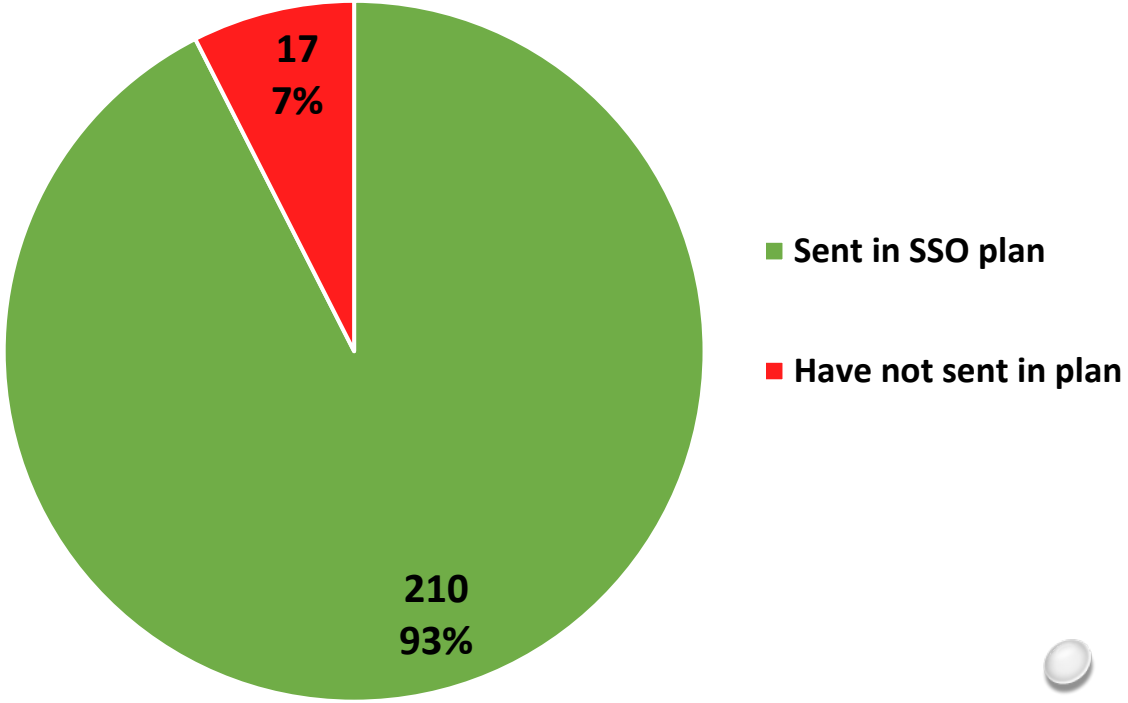
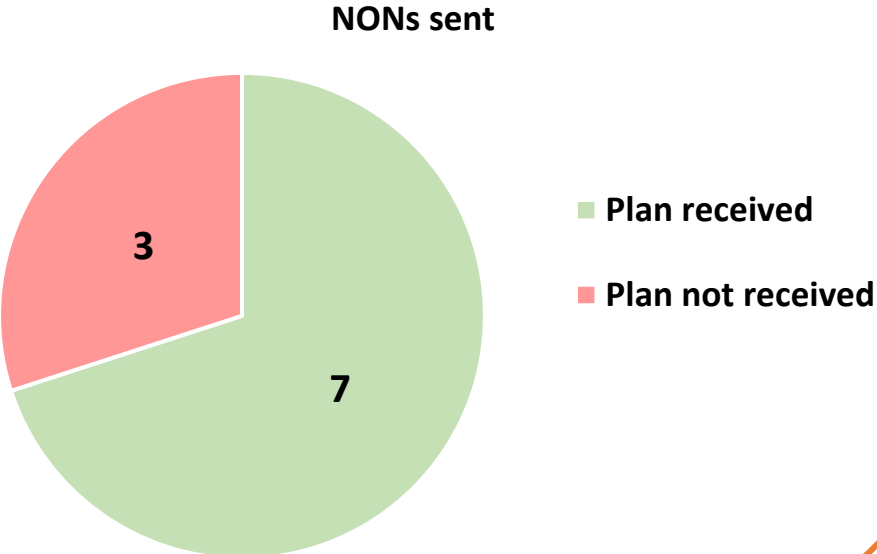
- Required for all CSO permittees and requires MassDEP approval
 - Preliminary plans were due May 1, 2022;
 - Final plans are due January 12, 2023
 - Final plans will be noticed in Environmental Monitor
- Must identify method for determining discharges and estimating volume of discharges at each outfall
- Must include information about permittee's website, signage, measures to communicate to EJ populations
- 100% Compliance - All CSO Permittees submitted Preliminary CSO Plans on time

SSO Public Notification Plan

- Required for all non-CSO permittees
- Were due July 6, 2022
- Presumptive approval after 180 days
- MassDEP provided template for plan development
- Must describe how permittee will meet notification requirements, including information about permittee's website, signage, measures to communicate to EJ populations

Follow-up efforts increased SSO plan compliance from 81% in July to 93% today

- Email outreach through MAWEA and co-permittees
- Regional office follow-up
- NONs



The Data System collects and organizes data for reporting and analysis

Search for Incidents Results

Search Criteria

Actions	Report Number	Incident Date	Incident Time	AM or PM	Permittee Name	Water Body
DETAILS	22000025	7/12/22	6:15	PM	SPRINGFIELD WATER & SEWER COMMISSION	CONNECTICUT
DETAILS	22000059	7/13/22	unknown	PM	CITY OF CHICOPEE	CHICOPEE R.
DETAILS	22000116	7/28/22	10:06	PM	LOWELL REGIONAL WASTEWATER UTILITY	MERRIMACK R.
DETAILS	22000270	7/12/22	6:10	PM	SPRINGFIELD WATER & SEWER COMMISSION	CHICOPEE R.
DETAILS	22000062	7/13/22	unknown	PM	CITY OF CHICOPEE	CONNECTICUT
DETAILS	22000124	7/28/22	8:00	PM	SPRINGFIELD WATER & SEWER COMMISSION	CHICOPEE R.
DETAILS	22000314	8/23/22	1	PM	CITY OF CHICOPEE	CONNECTICUT
DETAILS	22000034	7/12/22	unknown	PM	CITY OF CHICOPEE	CONNECTICUT
DETAILS	22000200	8/9/22	18:31	PM	CITY OF FALL RIVER	MOUNT HOPE
DETAILS	22000205	8/9/22	18:52	PM	CITY OF FALL RIVER	TAUNTON RIVER

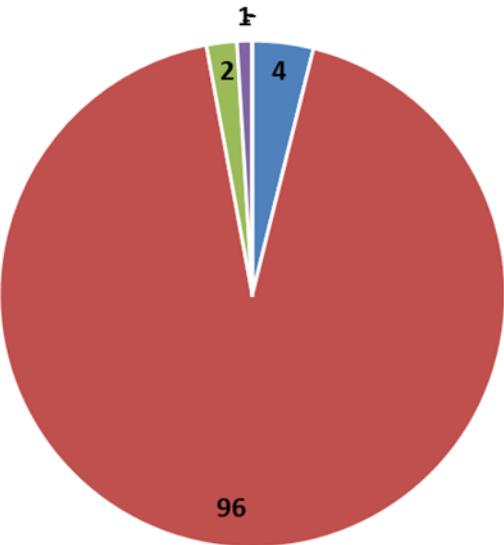
Previous 1 2 3 4 5 6 7 8 9 10 Next Total Results: 419 10/Page

PREVIOUS EXPORT TO EXCEL

<https://eeaonline.eea.state.ma.us/portal/dep/cso-data-portal/>
<https://eeaonline.eea.state.ma.us/portal#!/faqs>

The Data System collects and organizes data for reporting and analysis

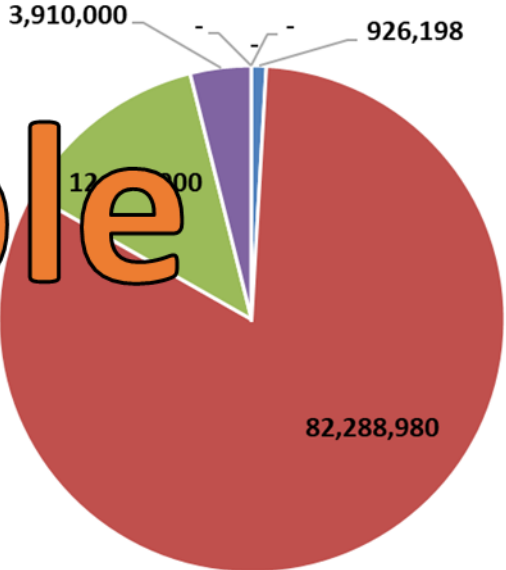
Number of Events in 2022 (updated 9/9/22)



Example data

- CSO - Treated
- CSO - UnTreated
- Partially Treated - Blended
- Partially Treated - Other
- SSO - Discharge Through Wastewater Outfall
- SSO - Failure of Pump Station or Associated Force Main

Volume in 2022, in gallons (updated 9/9/22)



- CSO - Treated
- CSO - UnTreated
- Partially Treated - Blended
- Partially Treated - Other
- SSO - Discharge Through Wastewater Outfall
- SSO - Failure of Pump Station or Associated Force Main

Contacts

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