EBC Program Series with MassDEP Leadership:
Northeast Region Leadership Team
Welcome

Frank Ricciardi
Chair, EBC Emerging Contaminants Subcommittee
Vice President, Weston & Sampson
Keynote Address: Review of DEP Programs & Priorities

Martin Suuberg

Commissioner
Department of Environmental Protection
Commonwealth of Massachusetts
EBC PROGRAM SERIES
WITH MASSDEP REGIONAL OFFICES

Commissioner Suuberg
And the
MassDEP Northeast Regional Office Leadership
MassDEP HQ Overview
Commissioner Martin Suuberg

- Climate Change
  GHG rules/Transportation/Resiliency

- Recycling
  Changing Markets/Initiatives

- PFAS

- EIPAS/Technical Assistance/Modernization
Update from the MassDEP Southeast Region Leadership Team

- Eric Worrall, Regional Director
- Rachel Freed, Bureau of Water Resources
- Stephen Johnson, Bureau of Waste Site Cleanup
- Susan Ruch, Bureau of Air and Waste
- John Viola, Operations and Customer Service
CSO CONTROL PROGRAM IN MASSACHUSETTS

Eric Worrall  
MassDEP Regional Director
COMBINED SEWERS
CSO’s – A National Issue

772 Communities with Combined sewer Systems
MA CSO ABATEMENT PROGRESS
MERRIMACK CSO COMMUNITIES:

- Manchester, NH
- Nashua, NH
- Lowell
- GLSD (Lawrence)
- Haverhill
Merrimack River

Many Uses:

- Shellfish Harvesting
  - Newburyport, Salisbury

- Drinking Water Source
  - Tewksbury, Methuen, Andover, Lawrence

- Recreation
  - Entire length
<table>
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<tr>
<th>CSO Permittee</th>
<th>Active CSO Outfalls</th>
<th>Baseline CSO Volume (million gallons/year)</th>
<th>Annual Activations</th>
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<td>352</td>
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<tr>
<td>Haverhill</td>
<td>18</td>
<td>70</td>
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**MERRIMACK BASELINE CSOCS**
CSO COMMITMENTS
BY
MERRIMACK PERMITTEES

• Lowell:
  ➢ $50 million Phase I CSO Control Program
  ➢ $40 million in improvements at WWTP and collection system
  ➢ $40 million Phase II CSO Plan to be completed by 2019
  ➢ Integrated Plan to be submitted by 12/31/2019
CSO COMMITMENTS
BY
MERRIMACK PERMITTEES

• GLSD:
  ➢ $19 million Phase I WWTP upgrades
  ➢ $9.3 million Phase II WWTP upgrades
  ➢ $10.7 million Phase III WWTP upgrades
  ➢ $7.2 million Phase IV WWTP upgrades underway
CSO COMMITMENTS

BY

MERRIMACK PERMITTEES

• Haverhill:
  - $20 million Phase I WWTP upgrades and CSO system improvements
  - Proposed $61 million integrated plan including WWTP and collection system improvements
WHERE ARE WE NOW?

COMBINED SEWER OVERFLOW IN THE MERRIMACK WATERSHED

<table>
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<tr>
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<th>Baseline</th>
<th>2014</th>
<th>2017</th>
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<td>278</td>
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Merrimack River Watershed SRF Funding in Relation to Total SRF Funding for CSO Related Work

Total CSO SRF: $1.50 Billion
Total Merrimack CSO SRF: $152 Million

- CSO SRF Funds
- Merrimack CSO Permittees
## Costs Estimates of Elimination Remain High

<table>
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<tr>
<th>Permitee</th>
<th>Cost Estimate of CSO Elimination (millions)</th>
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<tr>
<td>Lowell</td>
<td>$366</td>
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<td>Haverhill</td>
<td>$150</td>
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<tr>
<td><strong>Total:</strong></td>
<td><strong>$725</strong></td>
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WHERE DO WE GO FROM HERE?

Permittees continue planning, design, and construction of CSO abatement projects per existing CD’s/Orders.

Monitor CSO discharges to track compliance.
WASTE SITE CLEANUP ACTIVITIES

- Emergency Response
- Risk Reduction
- Site Management
- Audits
- Brownfield Assistance
- Enforcement
- Compliance assistance
VAPOR INTRUSION

Still the Number 1 exposure concern in NERO
TCE – STILL THE NO. 1 CONTAMINANT OF CONCERN IN NERO

• Risk limit is very low.
• Timeframe of exposure is very short.
• Actions may be needed in an Emergency Response mode.
• Health effects include fetal heart malformations.
• Women of child-bearing age are the most sensitive population.
• If you’re involved with a TCE site, act quickly!
CLOSED TCE SITE RE-EVALUATION

• Over 700 closed TCE sites in Northeast Region

• Over 125 selected for re-evaluation

• To date, 30% of re-evaluated sites deemed adequately closed

• Most re-evaluated sites have remained closed upon further testing

• 5 Sites found with Imminent Hazards and have been remediated
ON THE RADAR SCREEN

- Active Exposure Pathway Mitigation Measures
  - Functional at time of Permanent Solution?
  - Compliance assistance vs enforcement

- Downgradient Property Status cases
  - Are they properly supported?
  - DEP may conduct testing to identify sources

Temporary Solutions
- Need for Status Reports and Remedial Monitoring Reports?
- Periodic Evaluations of steps to achieve Permanent Solution
BWSC CONTACT INFORMATION

• Steve Johnson, Deputy Regional Director for BWSC
  stephen.johnson@mass.gov; 978-694-3350

• Joanne Fagan, Brownfields and Risk Reduction Section
  joanne.fagan@mass.gov; 978-694-3390

• Jack Miano, Site Management & Data Management Section
  john.miano@mass.gov; 978-694-3357

• Dave LaPusata, Audits and Enforcement Section
  david.lapusata@mass.gov; 978-694-3376

• Kingsley Ndi, Emergency Response Section
  kingsley.ndi@mass.gov; 978-694-3379
MassDEP-NERO
Wetlands Program

Kimberly Roth, Circuit Rider
WETLANDS CIRCUIT RIDER

- Liaison between Municipalities and MassDEP
- Technical outreach to Conservation Commissions
- Conducts training programs for commissions and agents
- Charles River and SuAsCo Networks
WETLANDS CIRCUIT RIDER

- Responds to questions from Commissions, Agents, and residents
- Reviews NOIs and RDAs
- May attend site visits and pre-application meetings with staff
- **No** involvement in appeals or enforcement
NERO WETLANDS HELPLINE
(978) 694-3405

Voicemail Box monitored by Wetlands staff during regular office hours.

• Leave a detailed message with your question and we will call you back.

• Or.....call

   Kimberly Roth
   (978) 694-3234
   kimberly.roth@mass.gov
CONTACT INFORMATION

• Rachel Freed, Deputy Regional Director (also serving as Wetlands Section Chief)  
  (978) 694-3258  
  Rachel.Freed@mass.gov

• Tom Mahin, Drinking Water Section Chief  
  (978) 694-3226  
  Thomas.Mahin@mass.gov

• Kevin Brander, Wastewater Section Chief  
  (978) 694--3236  
  Kevin.Brander@mass.gov
BUREAU OF AIR AND WASTE (BAW)

Susan Ruch
Deputy Regional Director

Presenter:
David P. LaBrode,
BAW Senior
Environmental Analyst
NERO BAW

• Role of BAW’s compliance and enforcement (C&E) section
  — Compliance Assistance
  — Enforcement

• Today’s focus:
  What is a Multi-Media Inspection?
BAW REGULATIONS

• Air Pollution Control (310 CMR 7.00)
• Hazardous Waste (310 CMR 30.000)
• Industrial Wastewater (314 CMR 7 & 12)
• Solid Waste (310 CMR 16.00 & 19.00)
• Toxics Use Reduction (310 CMR 50.00)
• Underground Storage Tanks (310 CMR 80.00)
<table>
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<th>CMR</th>
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<tr>
<td>310 CMR 27.00</td>
<td>Underground Injection Control</td>
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<td>310 CMR 70.00</td>
<td>Environmental Results Program</td>
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<td>Printers/Photo processors</td>
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<td>310 CMR 72.00</td>
<td>Dry Cleaners</td>
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<td>310 CMR 73.00</td>
<td>Dental Amalgam</td>
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<td>314 CMR 3.00</td>
<td>Surface Water Discharge</td>
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<td>Groundwater Discharge</td>
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<td>314 CMR 18.00</td>
<td>Ind. Wastewater Holding Tanks</td>
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<td>257 CMR 2.00</td>
<td>WW Treatment Plant Operators</td>
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<td>527 CMR 5.00</td>
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<td>527 CMR 9.00</td>
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<td>310 CMR 4.00</td>
<td>Fee Regulations</td>
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<tr>
<td>310 CMR 5.00</td>
<td>Penalty Regulations</td>
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NERO BAW’S GENERAL APPROACH

• NERO BAW seeks to have excellent relationships with its regulated entities.

• Good relationships require excellent communications.

• Consult early and often.
WHAT TO EXPECT WHEN A MASSDEP INSPECTOR ARRIVES AT THE FACILITY

Hi, I’m from the government, and I’m here to help
BAW – MULTI-MEDIA INSPECTIONS

Our Approach

- Unannounced
- Arrive at the Facility prepared
  - Study MassDEP’s file for the Facility, plus reports that the Facility has submitted
  - Bring any relevant MassDEP FAQs, Guidance, forms, etc.
- Identify ourselves
- Conduct inspection
- Typically, hold a brief wrap-up before leaving
HAZARDOUS WASTE
HAZARDOUS WASTE
HAZARDOUS WASTE
HW – SATELLITE ACCUMULATION
EMERGENCY GENERATOR STACKS

• Sensitive Receptors
  — Air intakes
  — Windows that open
  — Work areas

• It’s all about:
  — Good engineering design
  — Dispersion
BAW INSPECTIONS

- If any noncompliance issues are discovered, the inspector brings them back to the office.

- MassDEP works to ensure consistency in how compliance issues are handled:
  - Notices of Noncompliance
  - Higher Level Enforcement where appropriate

- In most cases, noncompliance can be corrected through cooperation between the Facility and MassDEP.
BAW MULTI-MEDIA INSPECTIONS

Typically cover:

- Air Emissions
- Hazardous Waste Management
- Industrial Wastewater
- Toxics Use Reduction
- Solid Waste
- Universal Wastes

Plus other applicable BAW regulations
SOME HELPFUL C&E REFERENCES

• https://www.mass.gov

• https://www.mass.gov/orgs/massachusetts-department-of-environmental-protection

• https://www.mass.gov/orgs/office-of-technical-assistance-and-technology-ota
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<tr>
<td><strong>Deputy Regional Director</strong></td>
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<td>AQ Permitting</td>
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OPERATIONS AND CUSTOMER SERVICE  

John D. Viola  
Deputy Regional Director
• Customer Service/External Partnering
• Outreach and Technical Assistance
• MEPA/Public Records/File Review
• Contacts
EXTERNAL PARTNERING
The Office of Municipal Assistance and Governmental Affairs at MassDEP works with local governments to address their environmental concerns.

**MassDEP Municipal Partnerships & Governmental Affairs**

The Office of Municipal Assistance and Governmental Affairs at MassDEP works with local governments to address their environmental concerns.

**Phone**
617-292-5946

Anthony Veilleux, Director of Municipal Partnerships & Governmental Affairs

[anthony.veilleux@state.ma.us](mailto:anthony.veilleux@state.ma.us)

[Lookup Regional Offices by Town](mailto: Lookup Regional Offices by Town)
Massachusetts Environmental Policy Act Office (MEPA)

Wynn Everett

Bruce Freeman Rail Trail, Concord, Acton

A great example of how Phase 2A of the BFRT will provide a safe place to walk, bike and ski along a busy road where there is no other safe option, as seen here in north Acton. And, the trail is so much more beautiful than the road, don't you think? No offense, motorists.
Public Records Law

Public Records

File Review
MassDEP Public Records Request

Learn how to request public records from the Massachusetts Department of Environmental Protection (MassDEP).

**Chris Voss, Primary RAO**
Director of Administrative Services
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One Winter Street
Boston, MA 02108
617-292-5524
Chris.Voss@mass.gov
PRR email: DEP.PublicRecords@mass.gov

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File Review Requests
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Ethan.Gould@mass.gov

Municipal Assistance and Government Affairs
Anthony Veilleux
P: 617-292-5946
Anthony.Veilleux@mass.gov
Moderated Discussion

Moderator: Frank Ricciardi, Weston & Sampson

Panelists:

- Martin Suuberg, Commissioner
- Eric Worrall, Regional Director
- Rachel Freed, Bureau of Water Resources
- Stephen Johnson, Bureau of Waste Site Cleanup
- Susan Ruch, Bureau of Air and Waste
- John Viola, Operations and Customer Service