EBC Program Series with MassDEP Leadership:

Headquarters Leadership Team
Welcome

David Young

Program Chair and Moderator

Member, EBC Board of Directors

Vice President, CDM Smith

Environmental Business Council of New England
Energy Environment Economy
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
Boston Office Leadership

January 8, 2019
Update from Commissioner Suuberg

• Overview of Agency Priorities
  – PFAS
  – EIPAS
  – Climate Initiatives
  – Recycling
Employee Directory
Update from the MassDEP Headquarters Leadership Team

- Stephanie Cooper, *Policy and Planning*
- Gary Moran, *Operations & Env. Compliance*
- Victoria Phillips, *Enterprise Information Office*
- Ann Lowery, *Bureau of Planning & Evaluation*
- Douglas Fine, *Bureau of Water Resources*
- Paul Locke, *Bureau of Waste Site Cleanup*
- Christine Kirby, *Bureau of Air and Waste*

*Environmental Business Council of New England*

*Energy Environment Economy*
Gary Moran, Deputy Commissioner for Operations & Environmental Compliance

- Oversees the operations of our 4 regional offices
  - Northeast – Wilmington
  - Central – Worcester
  - Southeast – Lakeville
  - Western – Springfield

- Compliance & Enforcement
- Emergency Planning and Response
- Enterprise Information Mgt Office (IT)
- Office of the Permit and Reg. Ombudsman
<table>
<thead>
<tr>
<th>Name</th>
<th>Role</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gary Moran</td>
<td>DC, Ops</td>
<td><a href="mailto:Gary.Moran@mass.gov">Gary.Moran@mass.gov</a></td>
</tr>
<tr>
<td>Millie Garcia-Serrano</td>
<td>RD, SERO</td>
<td><a href="mailto:Millie.Garcia-Serrano@mass.gov">Millie.Garcia-Serrano@mass.gov</a></td>
</tr>
<tr>
<td>Mike Gorski</td>
<td>RD, WERO</td>
<td><a href="mailto:Michael.Gorski@mass.gov">Michael.Gorski@mass.gov</a></td>
</tr>
<tr>
<td>Mary Jude Pigsley</td>
<td>RD, CERO</td>
<td><a href="mailto:MaryJude.Pigsley@mass.gov">MaryJude.Pigsley@mass.gov</a></td>
</tr>
<tr>
<td>Eric Worrall</td>
<td>RD, NERO</td>
<td><a href="mailto:Eric.Worrall@mass.gov">Eric.Worrall@mass.gov</a></td>
</tr>
<tr>
<td>Victoria Phillips</td>
<td>Dir, Enterprise Info</td>
<td><a href="mailto:Victoria.Philips@mass.gov">Victoria.Philips@mass.gov</a></td>
</tr>
<tr>
<td>Kate Kerigan</td>
<td>Dir, Permit Omb.</td>
<td><a href="mailto:Kathleen.Kerigan@mass.gov">Kathleen.Kerigan@mass.gov</a></td>
</tr>
<tr>
<td>Nick Child</td>
<td>Comp. &amp; Enf.</td>
<td><a href="mailto:Nicholas.Child@mass.gov">Nicholas.Child@mass.gov</a></td>
</tr>
</tbody>
</table>
MassDEP Information Management

Victoria Phillips

Victoria.Phillips@mass.gov

617-292-5956
Why did we start the Information Transformation Project?

- Agency staffing at mid-1980’s levels
- Agencies do not effectively capture and use the information needed by staff and decision-makers
- Information is not transparent to citizens and regulated entities
- Data not effectively shared within MassDEP and across EEA Agencies.
- Businesses can’t do permitting on line and find it difficult to do reporting on line
- Many applications are 20+ years old / end of life
EIPAS: Energy and Environment Information and Public Access System

- Multi-year iterative information technology transformation enabled through a portfolio of projects
- Conversion Plan for “end of life” apps to next gen software
- An integrated set of new software solutions
- Increased data availability and sharing
- Ability to add new functionality with little impact to internal structure or data flow – “Extensible!”
- Affordable – Development and maintenance costs reduced by shared services model
- Agile, modular application development methodology
EIPAS: First Projects:

On-Line Permitting

- 80+ EEA Permits already online
- HW, SW, AQ, TURA, xConnections

Data Transparency

- Permitting Status portal
  [https://eeaonline.eea.state.ma.us/EEA/PublicApp/](https://eeaonline.eea.state.ma.us/EEA/PublicApp/)
  - Shows status of permit application and online public comment submittal/agency response to comment (where applicable)
  - Public can see permit application and final decision documents

- Online Data Portal
  [http://eeaonline.eea.state.ma.us/portal#!/home](http://eeaonline.eea.state.ma.us/portal#!/home)
  - Permit, Inspection, Enforcement, Facility information data search
  - Additional high value data sets and documents
Definitions of Success – Metrics

- # of Permits Implemented Online
- # of Permits Submitted Online
- # of Payments Submitted Using the Online Payment Portal
- Time to Decision Online Compared to Paper Submissions
- Utilization of Online Portals for Data Searches
- Number of Data Streams Available Online
- EIPAS Story Board: [HTTPS://EIPAS.JIMDOF REE.COM/](https://eipas.jimdoofree.com/)
Metrics:

**Air Quality Permits**
- 137 Total Applications Submitted
- 89% Applications Submitted Online
- 122 Applications Submitted Online
- 59% Payments Made Online
- 115 Average Days Allocated for Agency Review
- 76% Of Agency Time Utilized

Allocated days averaged across all Air Quality permits, some permits have more allocated days than others.

**Toxic Use Reduction Planners**
- 161 Total Applications Submitted
- 89% Applications Submitted Online
- 143 Applications Submitted Online
- 77% Payments Made Online
- 210 Average Days Allocated for Agency Review
- 4% Of Agency Time Utilized

Allocated days averaged across all TURA permits, some permits have more allocated days than others.

**Agricultural Resources Pesticide Licenses**
- 15979 Total Applications Submitted
- 95% Applications Submitted Online
- 15239 Applications Submitted Online
- 87% Payments Made Online
- 19 Average Days for License Decision
- 77% Reduction In Time to Decision

Reduction in average days to decision is based on estimated days from paper process review.
Stephanie Cooper
Deputy Commissioner for
Policy & Planning

• Oversees regulatory and programmatic developments in MassDEP’s bureaus
  – Bureau of Air and Waste
  – Bureau of Planning and Evaluation
  – Bureau of Water Resources
  – Bureau of Waste Site Clean-up
• Clean Energy Results Program
• Review of Legislative Proposals
Regulatory Promulgation

Regulations finalized in 2018

– Air Pollution Control – (“Air Repair” update)
– Other Air Pollution provisions – Municipal Waste Combustor Rules, Stage 1
– GWSA Air Pollution Auction Rules
– Regional Greenhouse Gas Initiative – update
– Regional Goals
– Low Emission Vehicle Rules
2019 Planned Regulatory Changes

– Mercury Added Products
– Hazardous Waste Rules
– Asbestos (asbestos containing pipe provisions)
– Ambient Air Quality Standards
– Low Emission Vehicle Program
– Coastal Wetlands (LSCSF)
– State Revolving Loan Fund
– Well Drillers
– Surface Water Quality Standards
– The Massachusetts Contingency Plan (MCP)
– Fees Natural Resource Damages
Surface Water Quality Initiatives

- Capacity Building
- Watershed Monitoring Strategies
- Monitoring Network
- New Grant Program
- Surface Water Quality Standards
Office of General Counsel

- Support Commissioner, Programs, Regions
- Represent MassDEP in administrative appeals
- Coordinate with Attorney General’s Office
Office of General Counsel
Contacts

**Benjamin.Ericson@mass.gov**
General Counsel  617-556-1121

**Danah.Tench@mass.gov**
Deputy General Counsel for Policy and Programs  617-574-6870

**Jeff.Mickelson@mass.gov**
Deputy General Counsel for Operations and Special Projects  617-556-1066

**Mike.Dingle@mass.gov**
Deputy General Counsel, Litigation Manager  617-292-5959

**Pamela.Talbot@mass.gov**
Deputy General Counsel for Enforcement  617-654-6636
Focus:
– Cross Bureau planning and strategic initiatives – including Climate coordination
– Regulatory Promulgation
– Scientific support and research
– Environmental Justice
Cross Bureau Planning and Strategic Initiatives

- Regulatory Planning and Promulgation
- Ongoing initiatives:
  - Emerging contaminants (including PFAS)
  - Climate change coordination
  - Clean Energy Results Program (CERP)
  - Water Utility Resilience Program (WURP)
- Program Planning and Performance Partnership Agreement with EPA
Scientific Support for the Agency: ORS

Office of Research and Standards (ORS)

• Provides scientific expertise to MassDEP in environmental health, toxicology, standard setting, ecological and human health risk assessment, chemistry and statistics

• Supports Bureau specific and cross media work

• Leads emerging contaminant workgroup
Scientific Support for the Agency: WES

William X. Wall Experiment Station, Lawrence, MA

• Long and distinguished history since 1887 in environmental / public health research
• Home to the Division of Environmental Laboratory Services (DELS) and BAW’s Air Assessment Branch
• Lab Certification Program for drinking water analysis
• Advanced capability to analyze materials for our monitoring programs and Strike Force investigations, including fish tissue, wastewater, industrial compounds, PFAS, cyanotoxins and more.
WES / DELS Laboratories

Culturable & Molecular Microbiology

Inorganic Chemistry

Organic Chemistry
Clean Energy Results Program (CERP)

• Collaboration with DOER and CEC to support energy efficiency and renewable energy projects with MassDEP permitting, technical support and outreach assistance.

• Recent Focus:
  – Anaerobic digestion, organics diversion and management
  – Solar on closed landfills
  – Renewables on contaminated sites
  – Water infrastructure energy use / generation
Water Utility Resilience Program

• Technical assistance to water infrastructure sector
• Current Focus: Assistance for water system GIS mapping
• $800,000 provided over 2 years for consultant assistance in creating
  – Detailed system maps and
  – Service area maps of public water and sewer systems (statewide).
• Assistance provided to approximately 90 communities (60 PWSs and 30 wastewater systems)
• Expect to offer another $500,000 of support in 2019.
Enhancing Resilience & Emergency Preparedness of Water Utilities
2017 & 2018 Water Utility Participants

Legend

- POTW System Participating in 2017 or 2018 Infrastructure Mapping Project
- PWS System Participating in 2017 or 2018 Infrastructure Mapping Project
- Municipality with Some Type of Municipal or District PWS and/or POTW
- Practically No Municipal or District POTW or PWS
- Greater Lawrence Sanitary District (GLSD) included during FY18 round
- DEP Regional Boundary

Total Municipalities: 58*
Total PWSs: 59**
Total POTWs: 31

*4 municipalities and **3 PWSs participated in FY17 and FY18 rounds to further enhance mapping, resulting in total services provided for 62 municipalities and PWSs.

Only Municipal or Community (COM), Public Water Systems (PWS) and Publicly Owned Treatment Works (POTWs) were included in this project. Multiple water utilities may reside within one community.
Environmental Justice

• Implementing Executive Order 552 and EOEEA Policy on Environmental Justice (EJ)
• Ensuring access and meaningful opportunity to participate in decision-making.
• Focus on:
  – Language Access Bank
  – Translation and Interpretive Services
  – Connecting with EJ communities to facilitate communication
  – Training for all MassDEP staff (continues into 2019)
Bureau of Planning and Evaluation

Contacts

Ann Lowery (Ann.Lowery@mass.gov)
Assistant Commissioner 617-292-5846

- C. Mark Smith (C.Mark.Smith@mass.gov)
  Director, Office of Research and Standards 617-292-5509
- Oscar Pancorbo (Oscar.Pancorbo@mass.gov)
  Laboratory Director, William X. Wall Experiment Station 978-242-1314
- James Doucett (James.Doucett@mass.gov)
  Director, Clean Energy Results Program 617-292-5868
- Michael DiBara (Michael.DiBara@mass.gov)
  Energy Project Manager 508-767-2885
- Deneen Simpson (Deneen.Simpson@mass.gov)
  Director of Environmental Justice, Program Manager 617-292-5906
- Kristin Divris (Kristin.Divris@mass.gov)
  Water Utility Resilience Program 508-849-4028
Bureau of Air and Waste

Christine Kirby, Assistant Commissioner

Divisions:
• Air and Climate Programs
• Business Compliance & Recycling Programs
• Business Reporting, Data, & Fiscal Operations
Bureau of Air and Waste
Air and Climate Division

• Air Planning, Permitting, and Assessment Unit
  • Implement Federal and Massachusetts Clean Air Acts
  • Support Permitting of Stationary Sources of Air Pollution
  • Maintain Air Monitoring Network
• Transportation Unit - reduce criteria pollutants and greenhouse gases from mobile sources
• Climate Strategies Group - develop and implement programs to reduce greenhouse gas emissions, support the Global Warming Solutions Act
Bureau of Air and Waste
Business Compliance and Recycling Division

- Oversee solid and hazardous waste regulations, policy and guidance
- Oversee financial and technical assistance programs to advance municipal and commercial recycling
- Manage statewide Underground Storage Tank program
- Coordinate regional enforcement efforts and implement self certification programs for smaller sources of pollution
- Implement department’s responsibilities under Toxics Use Reduction program – training, reporting and enforcement
Manage fiscal, reporting and data operations for BAW program.

Facilitates program productivity - providing information management, business reporting and contracting support.

Provide accurate, maintained and easily available program information.
BAW Key Initiatives

• Regulations
  – “3(d)” Climate Rules Implementation
  – Federal Rules
  – Amendments to LEV rule

• Recycling Markets

• Update to Solid Waste Master Plan

• Volkswagen Settlement

• Transportation Climate Initiative
BAW Contacts

Christine.Kirby@mass.gov
Assistant Commissioner
617-292-5631

Greg.Cooper@mass.gov
Director, Business Compliance & Recycling
617-292-5988

Winifred.Prendergast@mass.gov
Director, Business Reporting, Data, & Fiscal Operations
617-292-5596

Glenn.Keith@mass.gov
617-292-5874
Director, Air & Climate Programs
Bureau of Water Resources/Boston

• Division of Watershed Management
  – Wastewater - NPDES; GW Discharge; Title 5
  – Water Management Act
  – Watershed Planning - Surface Water Quality Monitoring/Assessment/ Standards

• Division of Wetlands & Waterways
  – Wetlands
  – C.91
  – 401 WQC

• Drinking Water Program

• Division of Municipal Services
  – SRF; Grants (319, 604b)
BWR Key Initiatives & Activities

• Surface Water Quality Standards Update, including Aluminum
• Wetlands Regulations for Land Subject to Coastal Storm Flowage (LSCSF)
• Stormwater Handbook Update, and Regulation Changes regarding Precipitation Data
BWR Boston Contacts

Douglas.Fine@mass.gov
Assistant Commissioner  617 292 5792

Lealdon.Langley@mass.gov
Division Director, Watershed Management  617 574 6882

Steven.McCurdy@mass.gov
Division Director, Municipal Services  617 292 5779

Robert.Brown@mass.gov
Deputy Assistant Commissioner  617-292-5926

(TBA)
Division Director, Wetlands & Waterways
Bureau of Waste Site Cleanup (BWSC)

Preparing for...
Responding to...
Assessing...
Cleaning up...
Restoring...

Releases of Oil and Hazardous Material to the Environment
Bureau of Waste Site Cleanup (BWSC)

3 Related – Yet Distinct - Programs

- Oil Spill Prevention & Response
- Cleanup of Sites & Spills
- Natural Resource Damages
Oil Spill Prevention & Response

https://www.mass.gov/oil-spill-prevention-response-massdep

Trailers Containing 42” Foam-filled Boom

New Bedford Harbor Mystery Spill Project Clean Bilge Pilot

1st Responder Training & GRP Testing Exercises

NEXT Oil Spill Act Advisory Committee Meeting: February 1, 2019
Schedule

- Approve Draft for Public
- Inter-Agency Notice Period
- Publication in the Massachusetts Register...
- 2 ½ - 3 month Public Comment Period...
  3-4 Public Hearings...
- BWSC Advisory Committee Meetings
  1/24/19 & 3/28/19
- LSPA Membership Meeting 3/19/19
Topics

• PFAS Standards/Notification Requirements **

• Risk Assessment
  – Gardening Exposures
  – Exposure Point Concentrations **
  – Hierarchy of Toxicity
  – Imminent Hazards **
  – Other Method 1 Standards

• Program Coordination
  – NAULs at Federal Sites
  – UST Sites
  – Radioactive Waste **
  – GW-1 Areas (Drinking Water)

• Climate Change
• Remedial Additives
• Tier Classification
• Temporary Solution Status Reports
• AEPMMs
• AULs for LNAPL
• GPS Coordinates
• Improved Communication (Notice)
• Liquified Gasses
• Waste Deposits
Natural Resource Damages

https://www.mass.gov/natural-resource-damages-program-massdep

Development of a Standardized NRD Approach

Case-Specific NRD Assessments/Settlements

Solicitation, Funding & Implementation of Restoration Projects
Standardized Natural Resource Damages

Standardize Assessment of past & future damage: loss of use & function

$$ Settlements Pooled

Restoration Project
Restoration Project
Restoration Project
Restoration Project
Restoration Project
Bureau of Waste Site Cleanup (BWSC)

CONTACTS

Paul.Locke@mass.gov
Assistant Commissioner 617-556-1160

Elizabeth.J.Callahan@mass.gov
Director, Policy & Program Development 617-348-4056

George.Gardner@mass.gov
Director, Technical & Financial Services 617-292-5973

Lisa.Alexander@mass.gov
Coordinator – Audits & Enforcement

Paul.Craffey@mass.gov - RETIRING (PTBNL)
Section Chief – Superfund Sites 617-292-5591

Anne.Malewicz@mass.gov
Section Chief – Federal Facilities 617-292-5659
Moderated Discussion

Moderator: David Young, CDM Smith

Panelists:
- Martin Suuberg, Commissioner
- Stephanie Cooper, Policy and Planning
- Gary Moran, Operations & Env. Compliance
- Victoria Phillips, Enterprise Information Office
- Ann Lowery, Bureau of Planning & Evaluation
- Douglas Fine, Bureau of Water Resources
- Paul Locke, Bureau of Waste Site Cleanup
- Christine Kirby, Bureau of Air and Waste
- Ben Ericson, General Counsel