

# Interpretation



You **MUST** select a language!

Language options: English, Portuguese, Spanish, Haitian Creole, Chinese

# Massport Logan International Airport Draft NPDES Permit



Informational Meeting

May 10, 2021



# Presenters

Damien Houlihan, Acting Chief  
Water Permits Branch, EPA

Charlotte Gray, Office of Public Affairs, EPA

George Papadopoulos, Permit Writer  
Water Permits Branch, EPA

Marcus Holmes, Environmental Justice Coordinator  
Office of Public Affairs, EPA

Susy King, NPDES Section Chief, MassDEP



# Presentation Overview

- Description of the Federal NPDES and State Surface Water Discharge Permit Processes
- Overview of Facility Activities and Discharges
- Brief Description of the Draft Permit requirements
- Overview of Enhanced Outreach
- Opportunities for Public Participation



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# HOW TO JOIN ZOOMGOV

- Download the **Zoom Client**
- Click on **DOWNLOAD NOW** to install Zoom Client
  - Zoom Client allows for more features (i.e., Language Interpreter options; view full gallery of participants)
  - Zoom Client installation is free and safe. It takes only seconds to install.
- Once complete, click on **LAUNCH MEETING**
- Join via **YOUR BROWSER** only if you are having trouble with the Client Installation, but If you **join from your browser**, limited features are available. You will still be able to join the meeting. **Language translation is not available via the Browser.**
- If you want the full experience, Leave or close the meeting and re-join by downloading the Zoom Client
- If Joining via **Mobile Phone**: Language Interpretation feature is not available.

Click **Open Zoom Meetings** on the dialog shown by your browser

If you don't see a dialog, click **Launch Meeting** below.

Launch Meeting



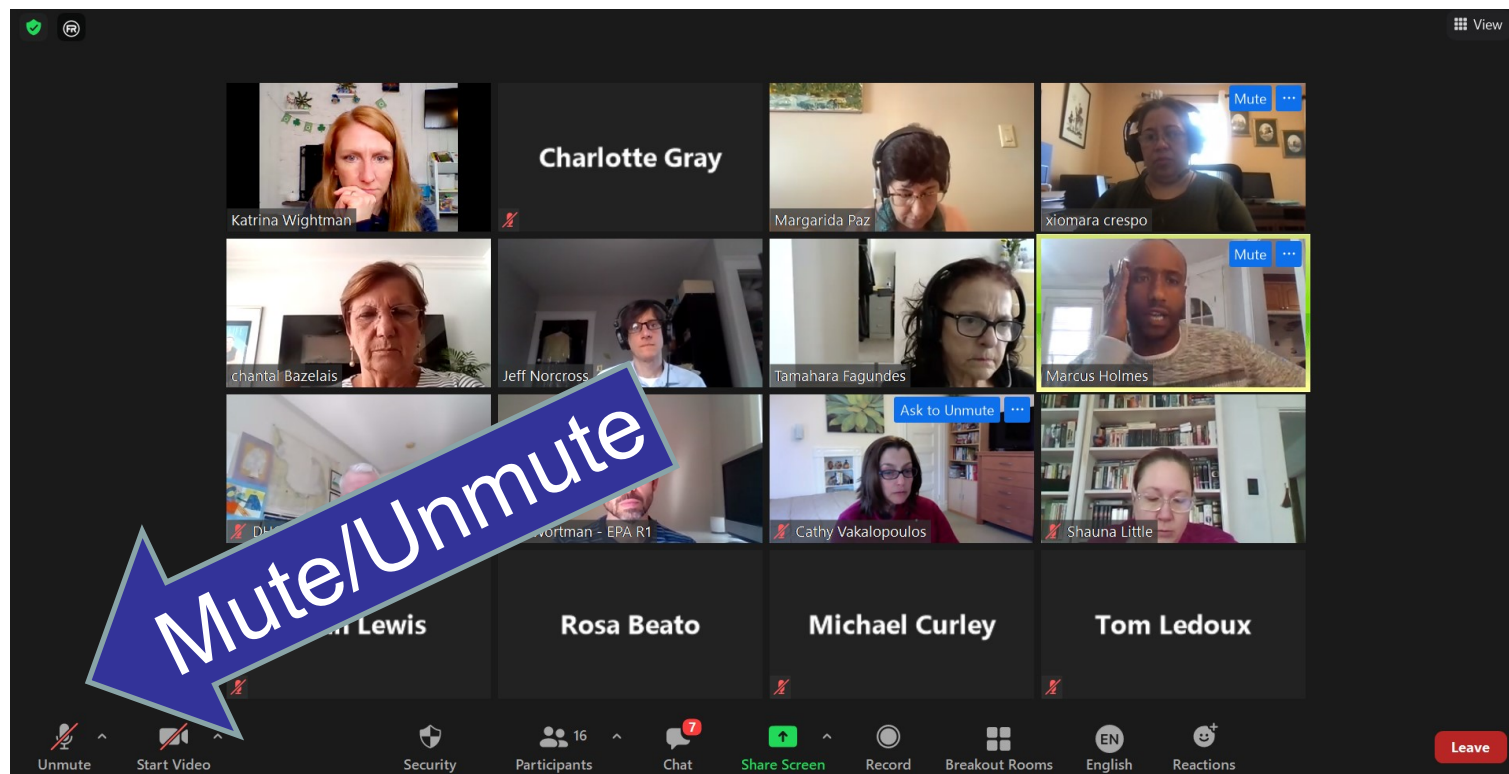
Don't have Zoom Client installed? [Download Now](#)



Having issues with Zoom Client? [Join from Your Browser](#)

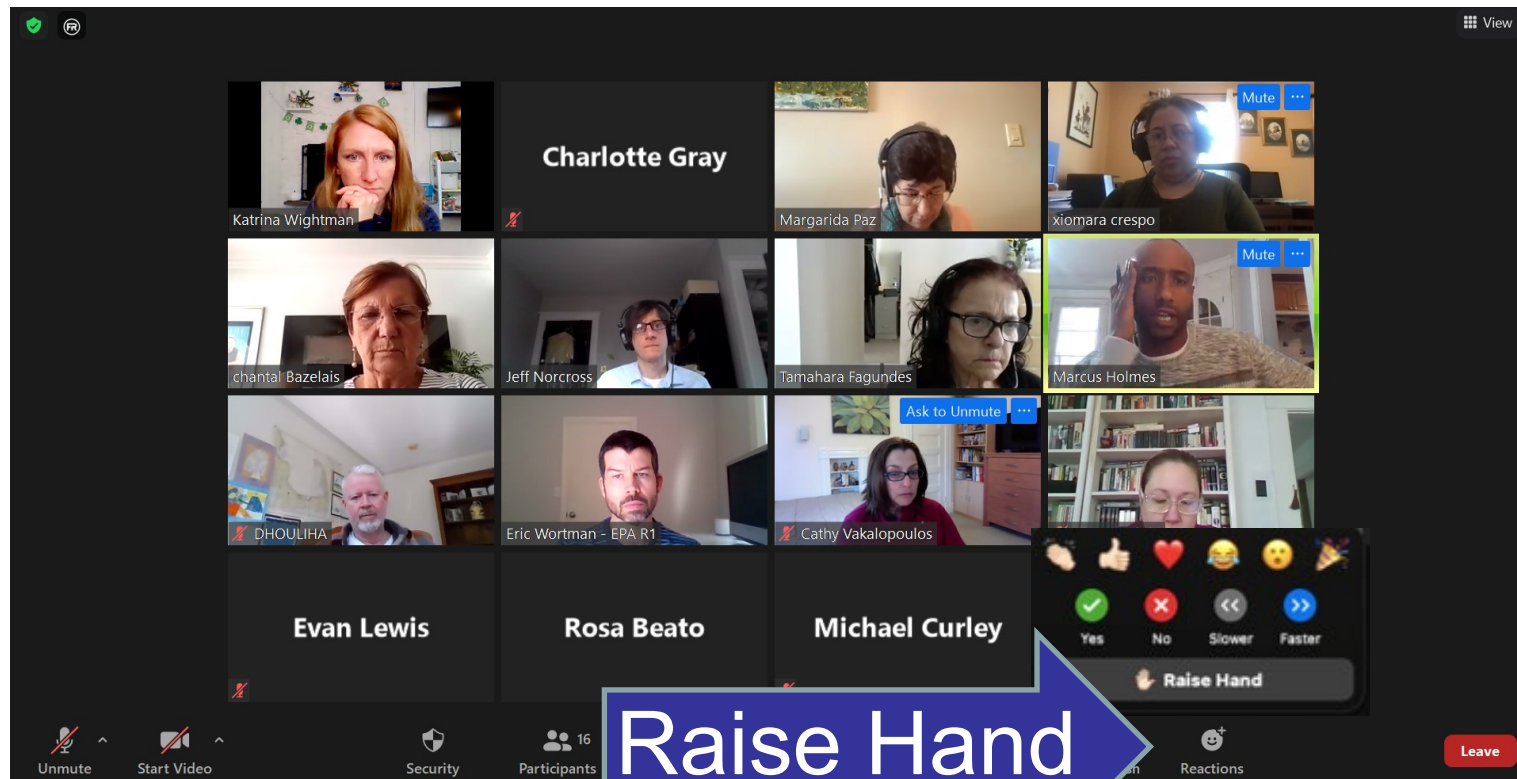


# Using Zoom: Desktop Client



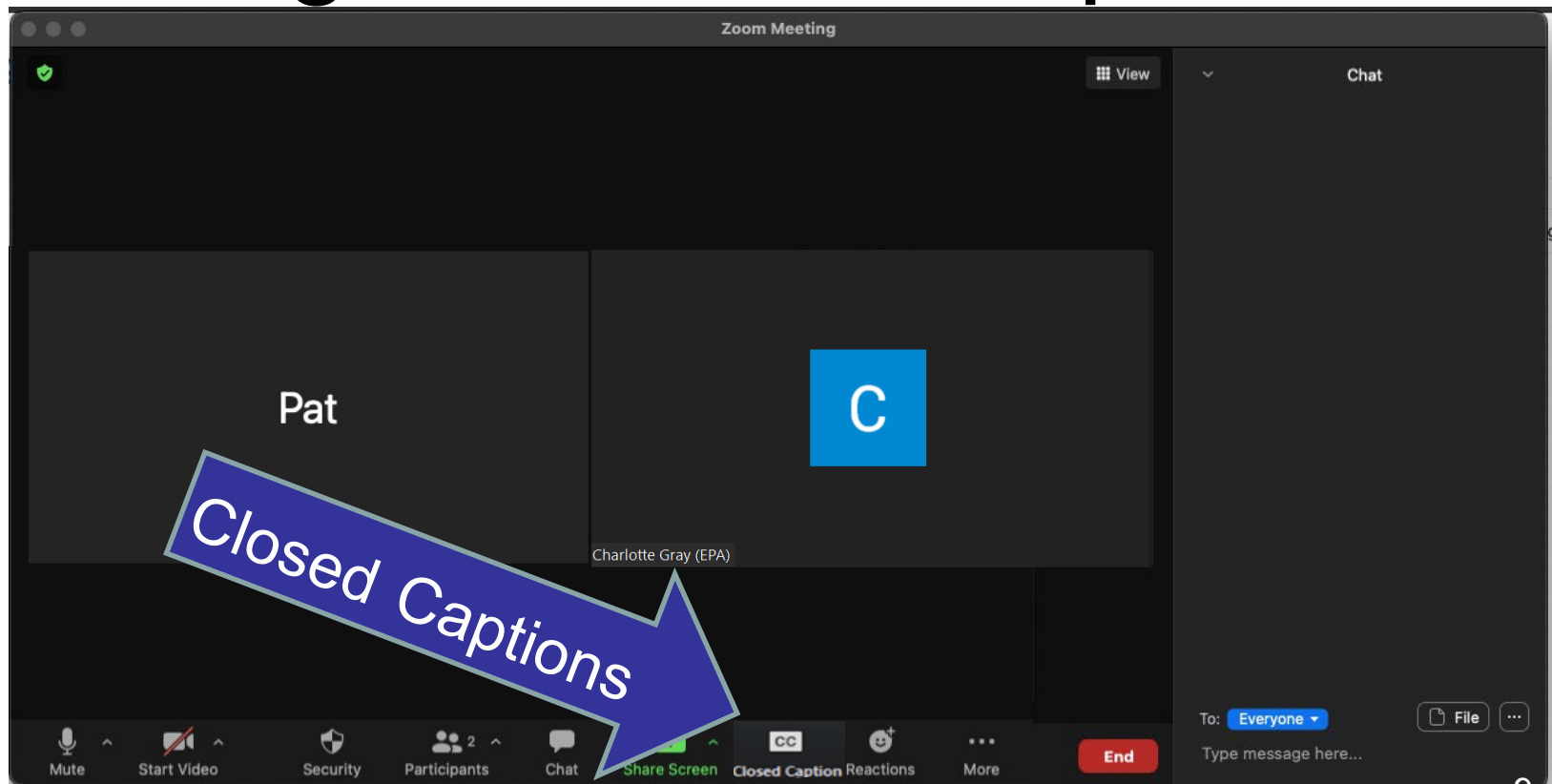


# Using Zoom: Desktop Client





# Using Zoom: Desktop Client



# Using Zoom by Phone



- Key commands
  - Mute/unmute: \*6
  - Raise hand: \*9
- **Presentations are available on the website if you would like to follow along**
  - Presentation material has been translated from English into Spanish, Portuguese and Haitian Creole.



# Ground Rules for Online Participation

Our requests:

- Keep your microphone muted when not speaking
- Respect time limits for questions and comments
- Keep comments and chats respectful and appropriate for a public audience
- Follow the facilitators' guidance and instructions on how to participate



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# Federal NPDES Permit Process

- EPA issued the Draft Permit on April 12, 2021
- EPA will accept public comments on the Draft Permit until June 11, 2021
- EPA will host a Public Hearing on May 24, 2021
- EPA will prepare a written response to comments and issue a Final Permit for the airport
- Permit conditions can be appealed to the Environmental Appeals Board (EAB)



# State Permit Process

- EPA is NPDES permitting authority in Massachusetts
- Until June 2020, EPA and MassDEP jointly issued NPDES permits and State surface water discharge permits as one document
- Agencies now issue two separate permits
- MassDEP generally incorporates EPA permit into the State permit and, if necessary, adds any state-only requirements
- Review State draft permits at: <https://www.mass.gov/service-details/massdep-public-hearings-comment-opportunities>
- Comments on the State permit should be sent to [massdep.npdes@mass.gov](mailto:massdep.npdes@mass.gov)



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# Overview of the Facility

- Massport is the main Permittee
  - Operates air and water infrastructure in Massachusetts
  - Owns and operates airport storm drainage system
  - Deices runways and taxiways
  - Oversees all airport tenant activities
- 20 Airport Tenants are designated Co-Permittees
  - Stormwater Discharges – Industrial Activity
  - Conduct aircraft deicing and anti-icing
  - Fueling, maintenance, lavatory waste handling



# Types of Discharges

## Stormwater Associated with Industrial Activity

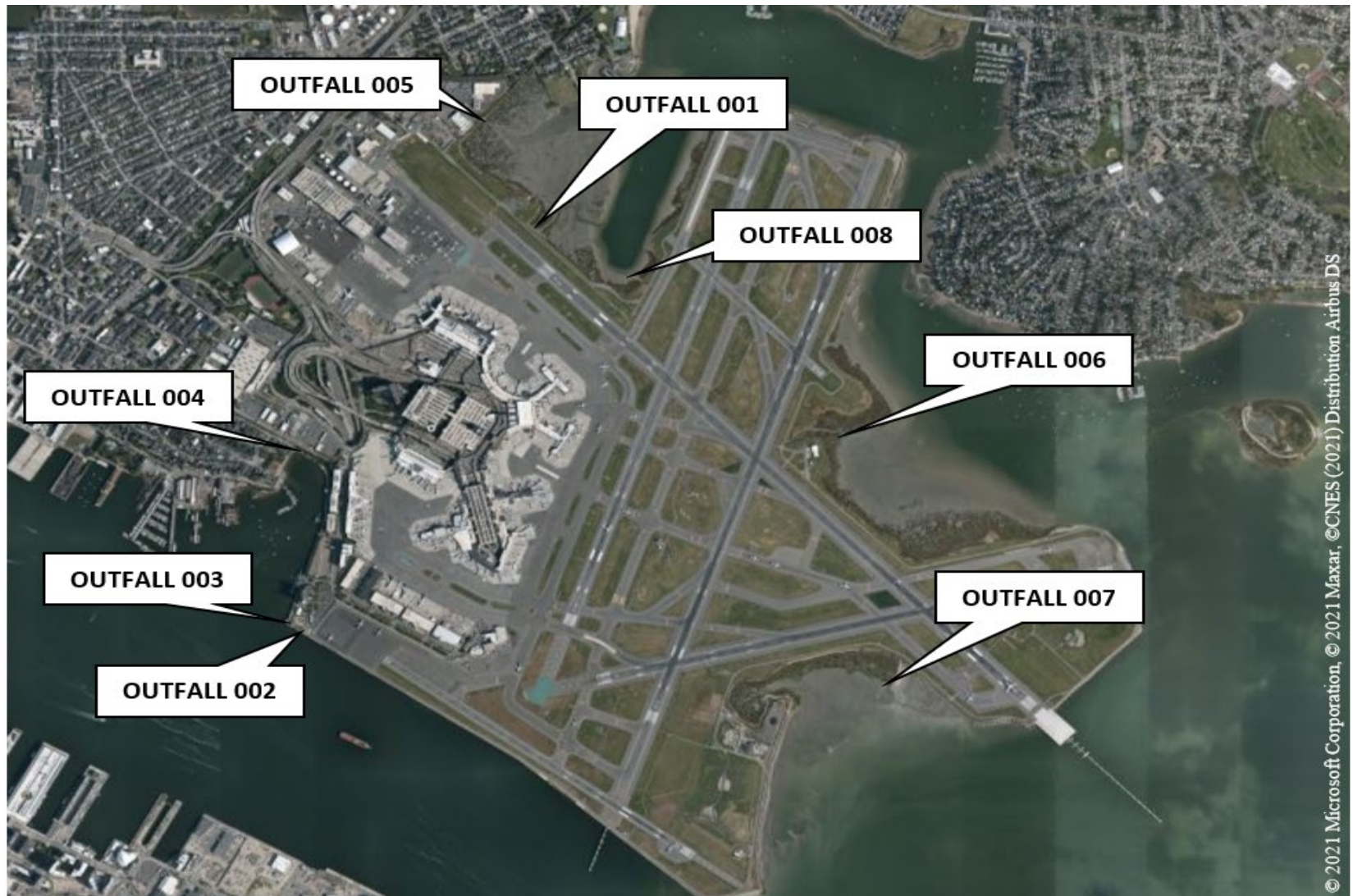
- Aircraft and vehicle fueling
- Aircraft and vehicle maintenance
- Anti-Icing and Deicing of aircraft and runways
- Runway rubber removal



# Outfalls and Discharges

- 5 Main Outfalls
  - Represent majority of drainage area and industrial activity at airport
  - Differing levels of treatment along storm drainage system or at outfalls
- 44 Perimeter Outfalls
  - Mainly stormwater and deicing discharges
  - Fire Training Facility discharge authorized by separate NPDES permit discharges

# Site Map and Outfalls



(Source: EPA, 2021)

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# Permit Requirements



- Technology-based limits
- Water quality-based limits
- Monitoring Requirements



# Special Conditions

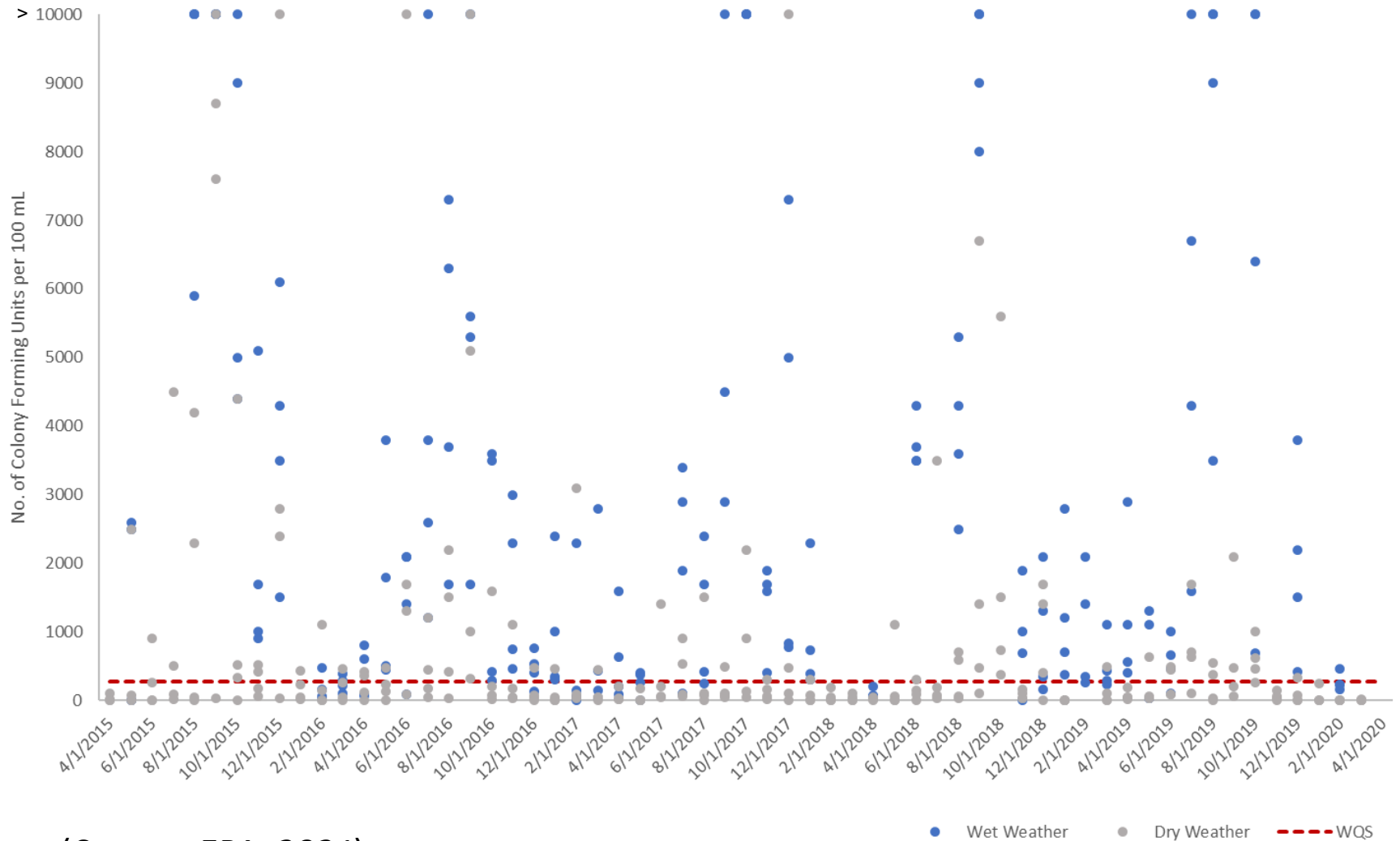
- Stormwater Pollution Prevention Plan (SWPPP)
- Best Management Practices (BMPs)
- Deicer Discharge Reduction Plan
- Monitoring for PFAS
- New bacteria limits based on State Water Quality Standards and Boston Harbor Pathogen TMDL





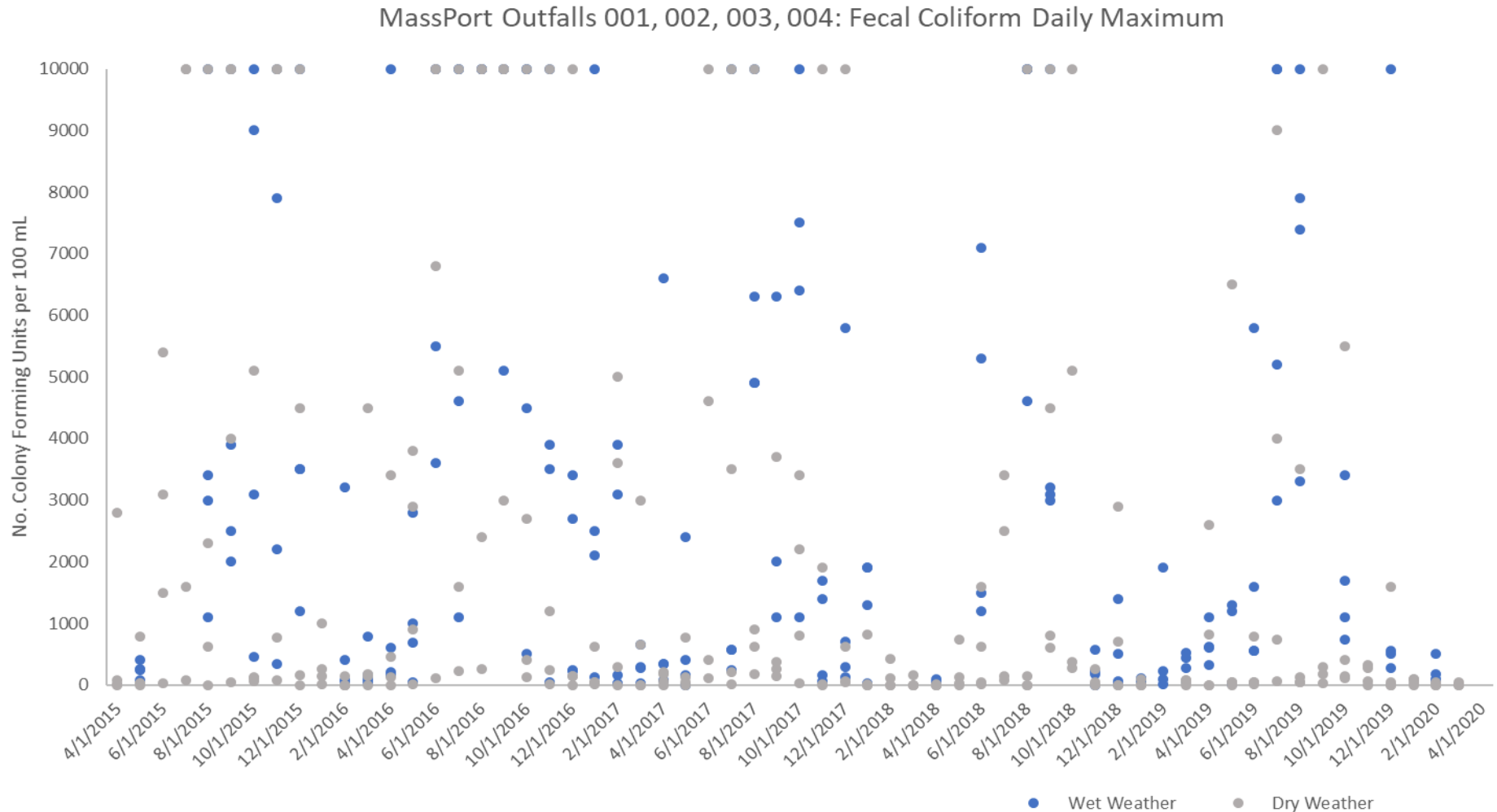
# Bacteria Levels at Massport Outfalls

MassPort Outfalls 001, 002, 003, and 004: Enterococci Daily Maximum



(Source: EPA, 2021)

# Bacteria Levels at Massport Outfalls



(Source: EPA, 2021)

# Permit Limits – Outfall 001

Parameter	2007 Permit	Draft 2021 Permit
pH (SU)	6.0 to 8.5	6.0 to 8.5
TSS (mg/L), daily maximum	100	100
O&G (mg/L), daily maximum	15	15
Benzene (µg/L)	Report	Report
PAH compounds (µg/L)	Report	Report
Ammonia Nitrogen	None	Monitor
Fecal Coliform	Report	88/260
<i>Enterococcus</i>	Report	35/276
PFAS	None	Report
Whole Effluent Toxicity (WET) Testing (LC <sub>50</sub> )	1 <sup>st</sup> and 3 <sup>rd</sup> year only Report LC <sub>50</sub> and NOAEL	Quarterly Report LC <sub>50</sub> and NOAEL

(Source: EPA, 2021)

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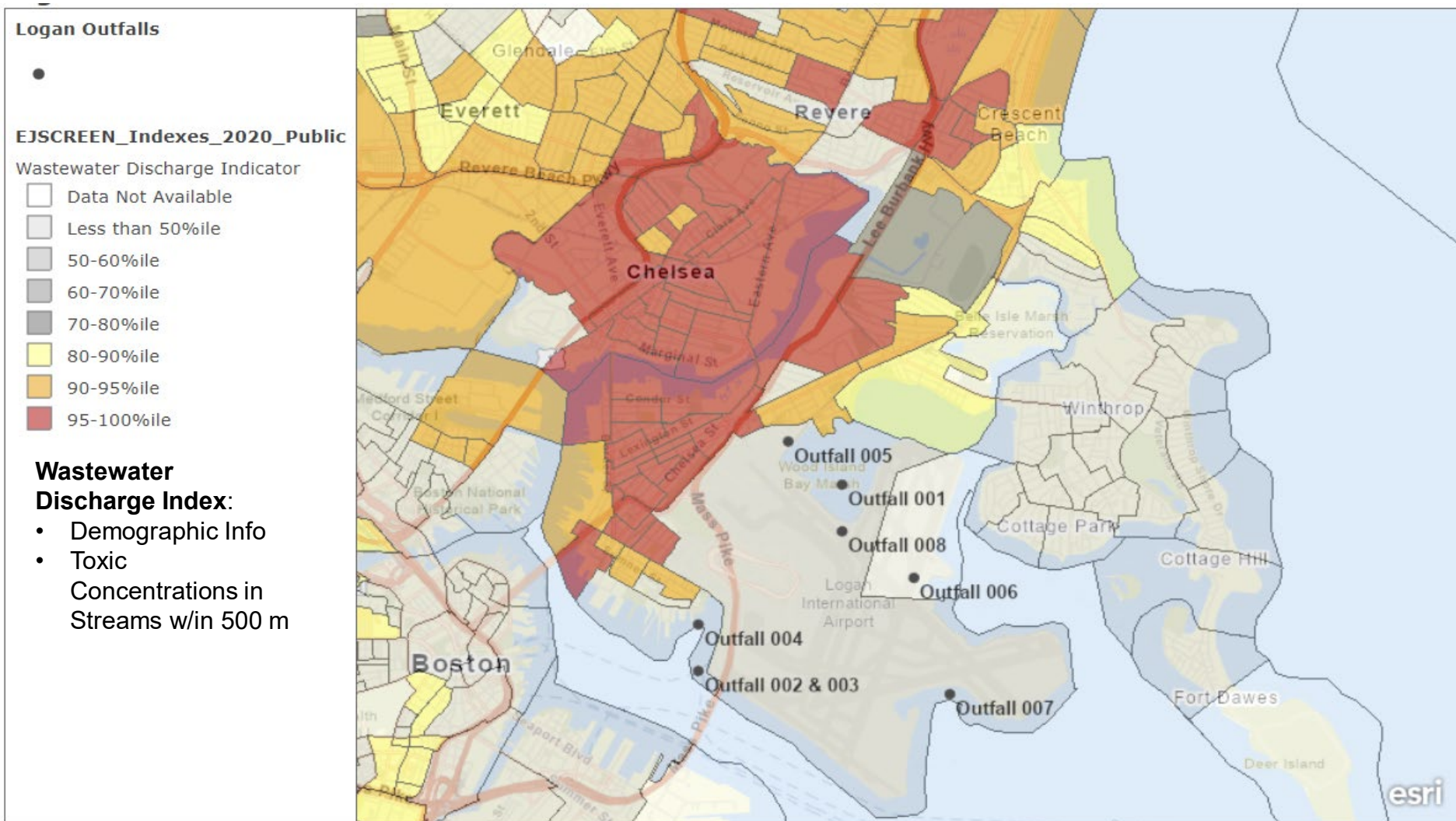
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# Environmental Justice

- EPA is guided by Executive Order 12898 on EJ
  - Identify and address the disproportionately high and adverse human health or environmental effects of their actions on minority and low-income populations, to the greatest extent practicable and permitted by law
- EPA Definition
  - The **fair treatment** and **meaningful involvement** of all **people** regardless of race, color, national origin or income with respect to the development, implementation and enforcement of environmental laws, regulations and policies.



# EPA's EJ Screen Mapping Tool



(Source: EPA, 2021)

# Enhanced Environmental Justice Outreach on Draft Permit

GOAL: Ensure meaningful public involvement in the permitting process

1. Issued a community information sheet and translated it into four different languages: Spanish, Haitian Creole, Chinese, and Portuguese
2. Sent advanced notice of the public notice to identified community organizations





# Enhanced Environmental Justice Outreach on Draft Permit

3. Doubled the length of the 30-day public comment period required by law to 60 days to allow for additional community feedback
4. Hosting THIS public meeting
  - Q&A session following this presentation
5. Will conduct a separate formal public hearing on May 24, 2021, 7pm.



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# Draft Permit Available for Review

All documents may be downloaded and printed from EPA's website: (Adobe Acrobat Reader is required)

<https://www.epa.gov/npdes-permits/massport-logan-international-airport-npdes-permit>

Print copies are also available by contacting George Papadopoulos at:

[papadopoulos.george@epa.gov](mailto:papadopoulos.george@epa.gov) or 617-918-1579

The state draft permit is available on MassDEP's website:

<https://www.mass.gov/service-details/massdep-public-hearings-comment-opportunities>



# Questions During the Public Comment Period:

Questions Regarding  
EPA's Permit

George Papadopoulos  
Environmental Engineer  
EPA Region 1 – New England  
[papadopoulos.george@epa.gov](mailto:papadopoulos.george@epa.gov)  
Office: 617-918-1579

Questions Regarding  
MassDEP's Permit

Cathy Vakalopoulos  
Environmental Analyst  
MassDEP  
[Catherine.vakalopoulos@mass.gov](mailto:Catherine.vakalopoulos@mass.gov)  
Office: 617-348-4026



# Public Hearing:

- A Virtual Public Hearing will be held May 24, 2021, starting at 7:00 PM EST
- Any person may submit oral comments
- Persons wishing to speak are encouraged to register in advance, using the link provided on EPA's website
  - [www.npdespermitspublichearing.eventbrite.com](http://www.npdespermitspublichearing.eventbrite.com)
- Information on how to access the public hearing will be sent to those who pre-register and will be provided on EPA's website.
- EPA's website: <https://www.epa.gov/npdes-permits/massport-logan-international-airport-npdes-permit>



# To Submit Comments:

EPA is seeking your feedback and comments on the draft permit during public comment period

- April 12, 2021 - June 11, 2021

**Oral comments** can be provided at the Public Hearing on May 24, 2021



**Written comments on EPA's permit** can be sent to:

George Papadopoulos

[papadopoulos.george@epa.gov](mailto:papadopoulos.george@epa.gov)

Fax: (617) 918-0579

**Written comments on MassDEP's Permit** can be submitted via [massdep.npdes@mass.gov](mailto:massdep.npdes@mass.gov)



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# Q&A: How to Participate Via Zoom

- Raise your “virtual” hand to get in the speaking queue.
- You can also type questions via chat
  - Facilitator will periodically turn to questions/comments from the chat and read them aloud
- The phone line will periodically be unmuted so participants can ask spoken questions
- Understand that we may not get to all questions today (spoken or via chat)

