



# MASSACHUSETTS WATER RESOURCES AUTHORITY

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April 15, 2022

Todd Borci  
EPA Region 1  
5 Post Office Square, Suite 100  
Mail Code ECAD4-4  
Boston MA, 02109-3912

Catherine Coniaris  
Department of Environmental Protection  
1 Winter Street  
Boston, MA 02108

RE: Massachusetts Water Resources Authority  
Permit Number MA 0103284  
Quarterly Ambient Monitoring Results and Contingency Plan Reporting

Dear Mr. Borci and Ms. Coniaris:

In fulfillment of Part I.7.c.iv of the Massachusetts Water Resources Authority's ("MWRA") Deer Island Wastewater Treatment Plant permit, "The results of all monitoring required by the ambient monitoring plan or the eutrophication model shall be reported to EPA, MADEP, OMSAP and NMFS, on a quarterly basis," I am pleased to submit MWRA's quarterly report on ambient monitoring results. These reports are also available on MWRA's website at <https://www.mwra.com/harbor/html/bhrecov.htm>.

Two reports were completed this quarter. The first report examines the effluent plume behavior in the immediate vicinity of the outfall by utilizing the EPA-supported Cornell Mixing Zone Expert System (CORMIX). The second report is MWRA's Contingency Plan Report for the first quarter of 2022 for Ambient Monitoring.

As has been observed since outfall start-up in September 2000, findings in these reports continue to indicate that the Deer Island Treatment Plant outfall discharge is not adversely impacting the environment.

MWRA will provide raw monitoring data upon request. If you have any questions regarding this matter, please email Betsy Reilley at [betsy.reilley@mwra.com](mailto:betsy.reilley@mwra.com).

Sincerely,

Carolyn M. Fiore  
Deputy Chief Operating Officer

**Enclosures:** Two Ambient Monitoring reports. These reports are available online. To request a hard copy, please email [web.enquad@mwra.com](mailto:web.enquad@mwra.com) or email Betsy Reilley at [betsy.reilley@mwra.com](mailto:betsy.reilley@mwra.com).

**Reports:**

Deltares, 2022. [Massachusetts Bay outfall treated effluent discharge plume characteristics from the EPA-supported near-field mixing model](#). Boston: Massachusetts Water Resources Authority. Report 2022-03. 24 p

MWRA. 2022 [Contingency Plan Report, First Quarter 2022: Ambient Monitoring](#). 6p.

**Cc:**

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**Cape Cod Commission**  
Timothy Pasakarnis

**National Marine Fisheries Service**  
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