

FINAL  
Clean Water Act Section 401 Certification  
For the Proposed 2021 Federal NPDES Permit  
For Logan International Airport  
MA Permit No. MA0000787

The Massachusetts Department of Environmental Protection (MassDEP), having examined Massachusetts Port Authority's (Massport) National Pollutant Discharge Elimination System (NPDES) permit application for Logan International Airport, reviewed the United States Environmental Protection Agency (EPA) – Region 1's draft 2021 Federal NPDES permit (MA Permit No. MA0000787) for Logan International Airport issued on April 12, 2021, and considered the public comments received on MassDEP's proposed Clean Water Section 401 Certification for the draft 2021 Federal NPDES Permit for Logan International Airport, and in consideration of the relevant water quality considerations, hereby certifies:

1. that the following conditions, together with the terms and conditions contained in the proposed 2021 Federal NPDES permit for Logan International Airport, are necessary to assure compliance with the applicable provisions of the Federal Clean Water Act Sections 208(e), 301, 302, 303, 306, and 307 and with appropriate requirements of State law, including, without limitation, the Massachusetts Clean Waters Act, M.G.L. c. 21, §§ 26-53 and the Massachusetts Water Quality Standards published at 314 CMR 4.00:
  - a. Pursuant to 314 CMR 3.11 (2)(a)6., and in accordance with MassDEP's obligation under 314 CMR 4.05(5)(e) to maintain surface waters free from pollutants in concentrations or combinations that are toxic to humans, aquatic life, or wildlife, within six (6) months of the effective date of the 2021 Federal NPDES permit, the permittee shall submit to MassDEP an evaluation of whether the facility uses or stores any products containing any per- and polyfluoroalkyl substances (PFAS) and whether use or storage of those products can be reduced or eliminated. The analysis shall be submitted electronically to [massdep.npdes@mass.gov](mailto:massdep.npdes@mass.gov).
  - b. Pursuant to 314 CMR 3.11 (2)(a)6., and in accordance with MassDEP's obligation under 314 CMR 4.05(5)(e) to maintain surface waters free from pollutants in concentrations or combinations that are toxic to humans, aquatic life, or wildlife, beginning six (6) months after the permittee has been notified by EPA of a multi-lab validated method for wastewater, or two (2) years after the effective date of the 2021 Federal NPDES permit, whichever is earlier, the permittee shall conduct monitoring of the effluent for PFAS compounds as detailed in the table below. If EPA's multi-lab validated method is not available by twenty (20) months after the effective date of the 2021 Federal NPDES permit, the permittee shall contact MassDEP ([massdep.npdes@mass.gov](mailto:massdep.npdes@mass.gov)) for guidance on an appropriate analytical method. Notwithstanding any other provision of the 2021 Federal NPDES permit to the contrary, monitoring results shall be reported to MassDEP electronically, at [massdep.npdes@mass.gov](mailto:massdep.npdes@mass.gov), or as otherwise specified, within 30 days after they are received.

**Effluent (Outfalls 01A, 02A, 03A, 04A, 01B, and 02B)**

Parameter	Units	Measurement Frequency	Sample Type
Perfluorohexanesulfonic acid (PFHxS)	ng/L	Quarterly <sup>1</sup>	Grab
Perfluoroheptanoic acid (PFHpA)	ng/L	Quarterly	Grab
Perfluorononanoic acid (PFNA)	ng/L	Quarterly	Grab
Perfluorooctanesulfonic acid (PFOS)	ng/L	Quarterly	Grab
Perfluorooctanoic acid (PFOA)	ng/L	Quarterly	Grab
Perfluorodecanoic acid (PFDA)	ng/L	Quarterly	Grab

2. that there is a reasonable assurance that the activity will be conducted in a manner which will not violate applicable state water quality standards.

MassDEP understands that EPA is working to identify ways to make data associated with permits more accessible to the public, and in particular to Environmental Justice (EJ) populations in the vicinity of permitted facilities. While such actions may not occur as part of the Logan Airport final permit issuance, but instead as a separate activity supporting multiple permits, MassDEP supports and encourages these efforts by EPA. MassDEP welcomes input from EJ populations on the best ways to receive data associated with NPDES and Surface Water Discharge permits.

To meet the requirements of Massachusetts laws, each of the conditions cited in the draft permit and this certification shall not be made less stringent unless new data or other information is presented and MassDEP determines modification of this certification is appropriate in consideration of the relevant water quality considerations.

Given a recent change in practice on 401 Water Quality Certifications for NPDES permits in Massachusetts, MassDEP is required by EPA to issue certifications based on draft NPDES permits. The purpose of the certification is to verify that the permit complies with applicable state laws and regulations, including the Massachusetts Surface Water Quality Standards. As MassDEP must make this determination before reviewing the final permit, if any condition in the draft 2021 Federal NPDES permit for Logan International Airport is changed during EPA's review in any manner inconsistent with this certification, the Department reserves the right to modify this certification in consideration of the relevant water quality considerations. In addition, the Department reserves the right to modify this certification if there is a change in Massachusetts law or regulation upon which this certification is based, or if a court of competent jurisdiction or MassDEP Office of Appeals and Dispute Resolution stays, vacates or remands this certification, as provided by 40 C.F.R. § 124.55.

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<sup>1</sup> Quarters are defined as January to March, April to June, July to September, and October to December. Samples shall be taken during the same month each quarter and shall be taken 3 months apart (e.g., an example sampling schedule could be February, May, August, and November).

Signed this 11th day of August, 2021

A handwritten signature in black ink, appearing to read 'Lealdon Langley', written in a cursive style.

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Lealdon Langley, Director  
Massachusetts Department of Environmental Protection  
Bureau of Water Resources  
Division of Watershed Management