

FINAL

Clean Water Act Section 401 Certification
For the Proposed 2020 Federal NPDES Permit
For the Athol Wastewater Treatment Plant
MA Permit No. MA0100005

The Massachusetts Department of Environmental Protection (MassDEP), having examined the Town of Athol's National Pollutant Discharge Elimination System (NPDES) permit application for the Athol Wastewater Treatment Plant, reviewed the United States Environmental Protection Agency (EPA) – Region 1's draft 2020 Federal NPDES permit (MA Permit No. MA0100005) for the Athol Wastewater Treatment Plant issued July 16, 2020, and considered the public comments received on MassDEP's proposed Clean Water Section 401 Certification for the draft 2020 Federal NPDES Permit for the Athol Wastewater Treatment Plant, 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 2020 Federal NPDES permit for the Athol Wastewater Treatment Plant, 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, If EPA's multi-lab validated method for wastewater has not been made available to the public on EPA's Clean Water Act methods program website¹ by two (2) years from the effective date of the 2020 Federal NPDES permit, the permittee shall conduct monitoring of the influent, effluent, and sludge for PFAS compounds as detailed in the tables below using a method specified by MassDEP. If EPA's multi-lab validated method is not available by twenty (20) months after the effective date of the NPDES permit, the permittee shall contact MassDEP (massdep.npdes@mass.gov) for guidance on an appropriate analytical method.

Influent and Effluent (Outfall 001)

Parameter	Units	Measurement Frequency	Sample Type
Perfluorohexanesulfonic acid (PFHxS)	ng/L	Quarterly ²	24-hour Composite
Perfluoroheptanoic acid (PFHpA)	ng/L	Quarterly	24-hour Composite
Perfluorononanoic acid (PFNA)	ng/L	Quarterly	24-hour Composite
Perfluorooctanesulfonic acid (PFOS)	ng/L	Quarterly	24-hour Composite
Perfluorooctanoic acid (PFOA)	ng/L	Quarterly	24-hour Composite
Perfluorodecanoic acid (PFDA)	ng/L	Quarterly	24-hour Composite

¹ See <https://www.epa.gov/cwa-methods/other-clean-water-act-test-methods-chemical> and <https://www.epa.gov/cwa-methods>.

² 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).

Sludge

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

- 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 EPA's multi-lab validated method for wastewater is made available to the public on EPA's Clean Water Act methods program website, or two (2) years from the effective date of the 2020 Federal NPDES permit, whichever is earlier, the permittee shall commence annual monitoring of all Significant Industrial Users³⁴ discharging into the POTW. Monitoring shall be in accordance with the table below. If EPA has not issued a validated test method by twenty (20) months after the effective date of the 2020 Federal NPDES permit, the permittee shall contact MassDEP (massdep.npdes@mass.gov) for guidance on an appropriate analytical method. Notwithstanding any other provision of the 2020 Federal NPDES permit to the contrary, monitoring results shall be reported to MassDEP electronically (massdep.npdes@mass.gov) within 30 days after they are received.

Parameter	Units	Measurement Frequency	Sample Type
Perfluorohexanesulfonic acid (PFHxS)	ng/L	Annual	24-hour Composite
Perfluoroheptanoic acid (PFHpA)	ng/L	Annual	24-hour Composite
Perfluorononanoic acid (PFNA)	ng/L	Annual	24-hour Composite
Perfluorooctanesulfonic acid (PFOS)	ng/L	Annual	24-hour Composite
Perfluorooctanoic acid (PFOA)	ng/L	Annual	24-hour Composite
Perfluorodecanoic acid (PFDA)	ng/L	Annual	24-hour Composite

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.

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

³ Significant Industrial User (SIU) is defined at 40 CFR part 403: All industrial users subject to Categorical Pretreatment Standards under 40 CFR 403.6 and 40 CFR chapter I, subpart N; **and** any other industrial user that: discharges an average of 25,000 GPD or more of process wastewater to the POTW, contributes a process wastestream that makes up 5% or more of the average dry weather hydraulic or organic capacity of the POTW, or designated as such by the POTW on the basis that the industrial users has a reasonable potential for adversely affecting the POTW's operation or for violating any Pretreatment Standards or requirement.

⁴ This requirement applies to all Significant Industrial Users and not just those within the sectors identified by EPA in the NPDES permit.

MassDEP determines modification of this certification is appropriate in consideration of the relevant water quality considerations.

If any condition in the draft 2020 Federal NPDES permit for the Athol Wastewater Treatment Plant 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.

Signed this 14th day of September, 2020.

A handwritten signature in black ink, appearing to read 'Lealdon Langley', written over a horizontal line.

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