

**AUTHORIZATION TO DISCHARGE UNDER THE
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM**

In compliance with the provisions of the Federal Clean Water Act as amended, 33 U.S.C. §§ 1251 et seq. (the “CWA”),

City of Portsmouth, New Hampshire

is authorized to discharge from the facility located at

**Pease Wastewater Treatment Facility
135 Corporate Drive
Portsmouth, NH 03801**

to receiving water named

**Piscataqua River, (USGS Hydrologic Unit Code: 01060003)
Piscataqua-Salmon Falls River Basin**

in accordance with effluent limitations, monitoring requirements and other conditions set forth in the permit issued on August 8, 2022, except as revised with new language in **red bold font** in the Table in Part I.A.1.

This revised permit shall become effective upon the date of signature.

This revised permit and the authorization to discharge expire at midnight, October 31, 2027.

This revised permit supersedes the relevant portions of the permit that was issued on August 8, 2022.

This permit consists of **Part I** including the cover page(s), **Attachment A** (Marine Acute Toxicity Test Procedure and Protocol, July 2012), **Attachment B** (Pretreatment Program Development and Approval Standard Requirements), **Attachment C** (Industrial Pretreatment Program Annual Report), and **Part II** (NPDES Part II Standard Conditions, April 2018).

Signed this 1st day of August 2023

THELMA Digitally signed by
THELMA MURPHY
MURPHY Date: 2023.08.01
14:35:05 -04'00'

for Ken Moraff, Director
Water Division
Environmental Protection Agency
Region 1
Boston, MA

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date and lasting through the expiration date, the Permittee is authorized to discharge treated effluent through Outfall Serial Number 005 to Piscataqua River. The discharge shall be limited and monitored as specified below; the receiving water and the influent shall be monitored as specified below.

Effluent Characteristic	Effluent Limitation			Monitoring Requirements ^{1,2,3}	
	Average Monthly	Average Weekly	Maximum Daily	Measurement Frequency	Sample Type ⁴
Rolling Average Effluent Flow ⁵	1.2 MGD ⁵	---	---	Continuous	Recorder
Rolling Average Effluent Flow ⁵	1.77 MGD ⁵	---	---	Continuous	Recorder
Effluent Flow ⁵	Report MGD	---	Report MGD	Continuous	Recorder
BOD ₅	30 mg/L 300 lb/day	45 mg/L 450 lb/day	Report mg/L Report lb/day	2/Week	Composite
BOD ₅ Removal	≥ 85 %	---	---	---	Calculation
TSS	30 mg/L 300 lb/day	45 mg/L 450 lb/day	Report mg/L Report lb/day	2/Week	Composite
TSS Removal	≥ 85 %	---	---	---	Calculation
pH Range ⁶	6.5 - 8.0 S.U.			1/Day	Grab
Total Residual Chlorine ^{7,8}	0.75 mg/L	---	1.0 mg/L	2/Day	Grab
<i>Enterococci</i> ^{7,8}	35/100 mL	---	104/100 mL	1/Day	Grab
Fecal Coliform ^{7,8}	14/100 mL	---	Report/100 mL	1/Day	Grab
Fecal Coliform ^{7,8,9} (% of samples > 28/100 mL)	---	---	≤ 10 %	1/Day	Grab
Total Cyanide	---	---	Report µg/L	1/Quarter	Composite
Total Arsenic ¹⁰	0.22 lb/day Report µg/L	---	Report µg/L	2/Month	Composite
Inorganic Arsenic ¹⁰	---	---	Report µg/L	2/Year	Composite
PFAS Analytes ¹¹	---	---	Report ng/L	1/Quarter	Composite