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"), and the Massachusetts Clean Waters Act, as amended, (M.G.L. Chap. 21, §§ 26-53),

Town of Seabrook, New Hampshire

is authorized to discharge from the facility located at

Seabrook Wastewater Treatment Facility (WWTF)
274 Route 286
Wright's Island
Seabrook, NH 03874

to receiving water named

Gulf of Maine, Atlantic Ocean

in accordance with effluent limitations, monitoring requirements and other conditions set forth in the permit issued on February 4, 2021, except as modified with new language in **bold** in the Table in Part I.A.1 (Page 2) and footnote 9 of Part I.A.1 (Page 5). In addition, the State permit condition at Part I.1.10 has been removed (Page 18).

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

This modified permit and the authorization to discharge expire at midnight, January 31, 2026.

This modified permit is issued pursuant to 40 CFR § 124.5, and revises and supersedes the relevant portions of the permit that was issued on February 4, 2021.

This permit consists of Part I; **Attachment A** (Marine Acute Toxicity Test Procedure and Protocol, July 12) and **Part II** (NPDES Part II Standard Conditions, April 2018).

Signed this   day of

KENNETH MORAFF
Digitally signed by KENNETH MORAFF
Date: 2022.09.30 16:04:47 -04'00'

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 001 to the Gulf of Maine. 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]	1.8 MGD[5]	---	---	Continuous	Recorder
Effluent Flow[5]	Report MGD	---	Report MGD	Continuous	Recorder
BOD_5	30 mg/L 451 lb/day	45 mg/L 676 lb/day	50 mg/L 751 lb/day	2/week	Composite
BOD_5 Removal	≥ 85 %	---	---	---	Calculate
TSS	30 mg/L 451 lb/day	45 mg/L 676 lb/day	50 mg/L 751 lb/day	2/week	Composite
TSS Removal	≥ 85 %	---	---	---	Calculate
pH Range[6]	6.5 – 8.0 S.U.			1/day	Grab
Total Residual Chlorine[7,8]	240 µg/L	---	420 µg/L	2/day	Grab
Enterococci [7,8]	35/100 mL	---	104/100 mL	1/day	Grab
Fecal Coliform[7,8]	14/100 mL	---	---	**1/day**	Grab
Fecal Coliform[7,8,9] (% of samples > **28**/100mL)	---	---	≤ 10 %	**1/day**	Grab

Footnotes:

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9. The Average Monthly values for Fecal Coliform shall be determined by calculating the geometric mean using daily sample results. As a Daily Maximum, not more than 10 percent of collected samples (over a monthly period) shall exceed a Most Probable Number (MPN) of **28** per 100 mL ~~for the 5-tube decimal dilution test. Each month the percentage of collected samples that exceeds an MPN of 43 per 100 mL for the 5-tube decimal dilution test shall be reported at the Daily Maximum value.~~ **Each month, the percentage of collected samples that exceeds an MPN of 28 per 100 mL shall be reported as the Daily Maximum value.** Furthermore, all Fecal Coliform data collected must be submitted with the monthly Discharge Monitoring Reports (DMRs).

    See Part I.G.2 below for additional notification requirements.

I. STATE PERMIT CONDITIONS

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10. ~~Fecal Coliform - Daily post-disinfection effluent grab samples shall be collected and analyzed for fecal coliform using an EPA-approved analytical method (published in 40 CFR Part 136) that meets the timeliness requirements of the NHDES Shellfish Program. Results shall be reported to NHDES each month in accordance with state reporting requirements in Part I.H.6.~~