



ALLAGASH[®]

BREWING COMPANY



Allagash:

BREWING PROCESS OVERVIEW



Allagash:

24HRS OF MAKING BEER

IN

45,000 Gallons Water



OUT

- 9,800 Gallons BEER
- 30,000 Gallons Wastewater
- Spent Grain & Yeast
- Evaporation



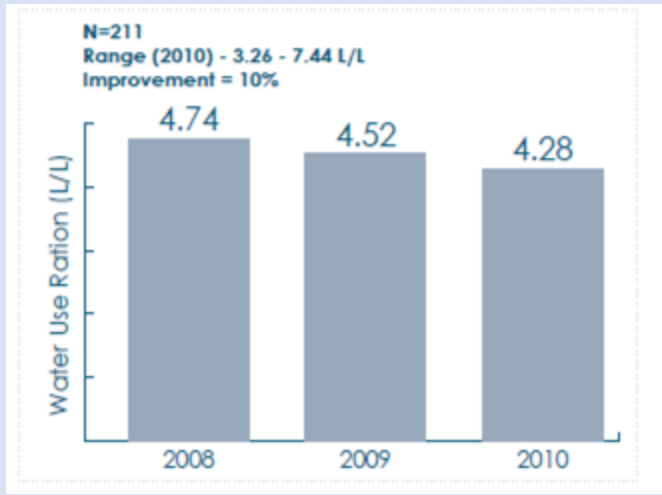
Allagash:

BREWERY WATER USE

Typical brewery water usage:

Allagash strives to reducing our water usage to half the industry avg.

2024 Water Use - 3.22 water : 1 beer (bbls)



IGN Water use & Wastewater

Year	Water use (gal)	Water bbls/bbls	Wastewater (gal)	Wastewater bbls/bbls
2024	10,359,450	3.22	5,908,515	1.84
Qtr 4	2,022,523	3.39	1,215,276	2.04
December	206,762	3.25	118,228	1.86
November	797,229	3.10	509,963	1.98
October	1,018,533	3.69	587,085	2.13
Qtr 3	2,841,296	3.26	1,675,368	1.92
September	748,845	3.12	467,292	1.95
August	974,031	3.49	549,786	1.97
July	1,118,420	3.18	658,290	1.87
Qtr 2	2,931,893	3.01	1,590,043	1.63
June	987,429	3.33	527,637	1.78
May	1,025,460	2.97	554,063	1.60
April	919,004	2.77	508,343	1.53
Qtr 1	2,563,739	3.31	1,427,827	1.84
March	863,604	3.47	472,525	1.90

Allagash:

BREWERY WASTEWATER

Sanitary Sewer
(Sinks & Toilets)



Storm Water
Runoff



Industrial
Wastewater
(Brewery)



Allagash:

INDUSTRIAL WASTEWATER



Quality?
How Clean?



Quantity?
How Much?

Allagash:

INDUSTRIAL WASTEWATER PERMIT



INDUSTRIAL WASTEWATER DISTRICT
ALLAGASH BREWERY

PORTLAND WATER DISTRICT DISCHARGE MONITORING REPORT

Facility or discharge location: Allagash Brewing - 50 Industrial Way



Name:	Allagash Brewing	Expiration Date of Permit:	March 31, 2026
Address:	50 Industrial Way	Report Due Date:	By the 15 th of each month
City/State/Zip Code:	Portland, ME 04103	Date Sample Taken:	6/5/24
Telephone Number:	(207) 878-5385	Date Submitted:	7/10/24

****MUST INCLUDE FLOW DATA BELOW****

PARAMETER		RESULTS	UNITS	FREQUENCY of ANALYSIS	SAMPLE TYPE	COMPLIANCE (Yes/No)	NOTES	
BOD	Reported	1,032	Lbs/day	Monthly	24 Hr Composite		Monthly Average Limits	
	Permit Condition	1500					*BOD permit limit temporarily increased through 3/1/21*	
TSS	Reported	98.53	Lbs/day					Monthly Average Limits
	Permit Condition	250						
Flow	Reported	28,128	GPD				** MUST INCLUDE FLOW DATA** Flow (GPD) = HCF * 748	
pH	Reported	5.3	S. U.		Grab		*Results over 10.3 must be accompanied by a report of caustic alkalinity.	
	Permit Condition	5 - 10.3 *						
Caustic Alkalinity	Reported	N/A	mg/L	As required	From pH Grab			
	Permit Condition	1000						



Allagash:

INDUSTRIAL WASTEWATER QUALITY

Make ouR water “Healthy” and “Safe” for nature



Operational Control, Robust **Side Streaming** and **Automation**

Allagash:

WASTEWATER CONTROL - SIDE STREAMING

Reducing BOD and TSS, Community, Sustainability

SPENT GRAIN



SPENT YEAST & TRUB



Allagash:

WASTEWATER CONTROL - OPERATIONS

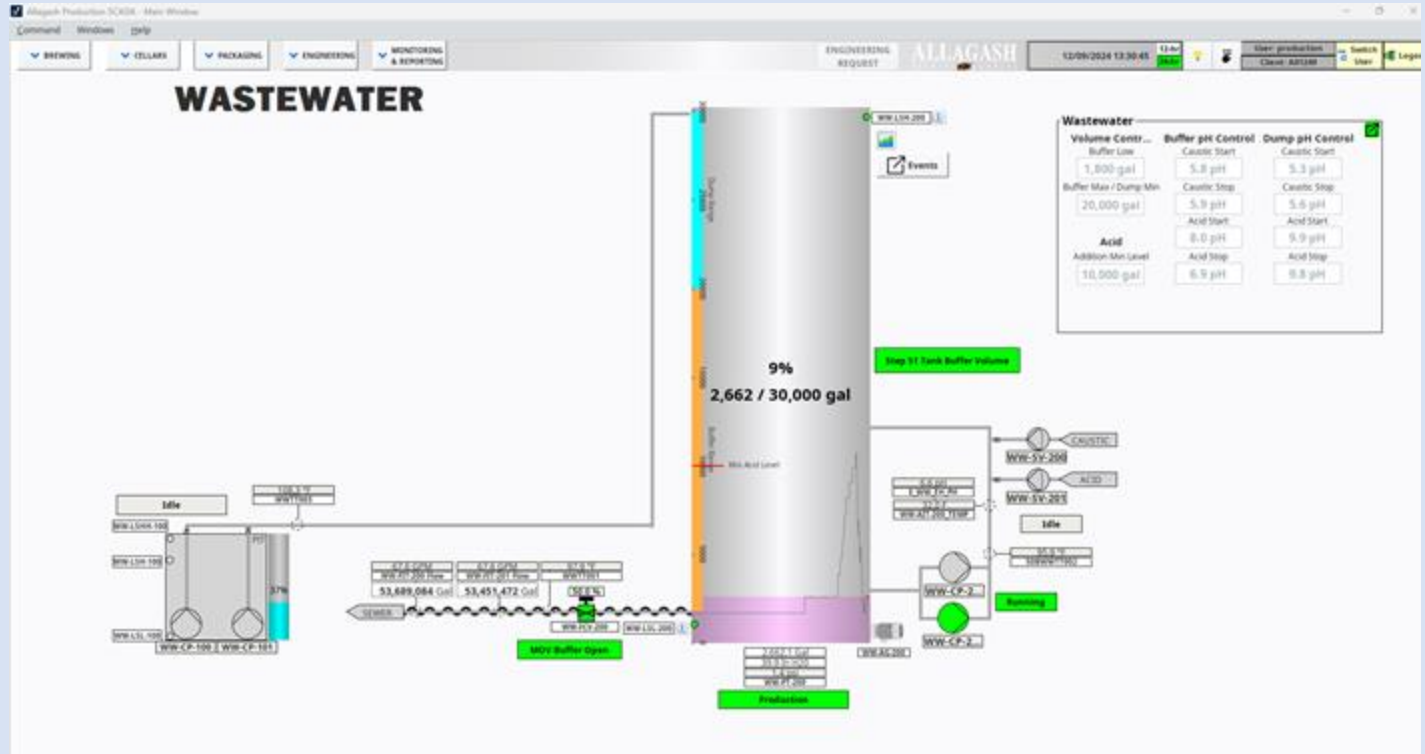
Front line accountability, Reducing TSS, pH buffering, chemical reuse



Allagash:

WASTEWATER CONTROL - AUTOMATION

Automated pH control, Trending, Easy Sampling = Data driven decisions.



Allagash:

WASTEWATER EQUIPMENT IS BREWERY EQUIPMENT

Minimize our Impact

