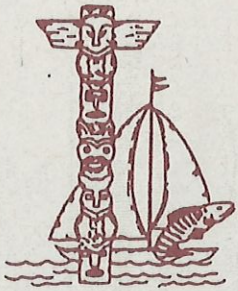


# City of Kalama

Incorporated 1890



## Public Works

6315 Old Pacific Hwy. S.  
P.O. Box 1007  
Kalama, WA 98625  
(360) 673-3706  
FAX: (360) 673-3707

## City Hall

320 N. First  
P.O. Box 1007  
Kalama, WA 98625  
(360) 673-4561  
FAX: (360) 673-4560  
cityofkalama@kalama.com

## Police

385 N. First  
P.O. Box 297  
Kalama, WA 98625  
(360) 673-2165  
FAX: (360) 673-2144



January 7, 2025

Ms. Carey Cholski

Dept. of Ecology

Water Quality Program

PO Box 47775

Olympia WA 98504-7775

Dear Ms. Carey Cholski:

SUBJECT: Notification Regarding Ammonia Testing.

The City of Kalama WWTF has opted to do Ammonia testing in lieu of WET testing.

Permit no. WA0020320, section S2.A, footnote C states: Sampling for ammonia is required if the permittee expects to apply for waiver for WET testing. The Permittee shall notify Ecology within 60 days of the effective date of the permit that it will (or will not) sample for ammonia. Also see section S8 and S9, paragraph C in each section.

The effluent samples are taken in such a manner as to meet all the requirements set by this permit. All ammonia samples will be sent to an independent laboratory and will also meet all the receiving standards and requirements. The results are submitted on all further DMR monthly reports.

Please accept this letter as the submittal required by our present National Pollutant Discharge Elimination System Permit.

Thank you.

Sincerely,

Butch Owen WWTPO

Enclosures

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### **Summery of Test results**

**February 1, 2024** ammonia results 0.25

**July 1, 2024** ammonia results 1.8

**November 5, 2024** ammonia results 0.80

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## Industrial User Report

For the year

**2024**

January 7, 2024

Carey Cholski

Permit Administrator

Department of Ecology

PO Box 47775

Olympia Wa 98504

Dear Ms. Cholski:

After reviewing our commercial and industrial users list, the first two users on the following page are the most significant.

If you have any questions please call me at (360)673-4570

Thank you

Sincerely,

Butch Owen WWTPO

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# ***The City of Kalama***

***Master list of potential Industrial users***

***For***

***2024***

***Company name and address***

***D&D feed***

***362 N 1<sup>st</sup> St.***

***McMenamins Harbor Lodge***

***215 Hendrickson Dr.***

***Dr. M. Falter PO Box 99***

***124 Elm street***

***Kalama School***

***548 China Garden***

***Submitted by:***

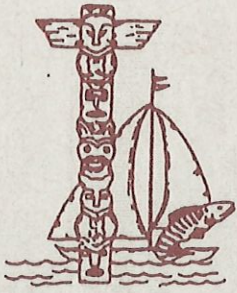
***Butch Owen***

***January 7, 2024***



# City of Kalama

Incorporated 1890



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January 7, 2025,

Carey Cholski

Permit Administrator

Department of Ecology

PO Box 47775

Olympia WA 98504-7775

Dear Ms. Cholski,

Please accept this as our O&M Update/Review Letter.

There have been no changes to our O&M Manuel since completion of construction.

If you have any questions please call me at (360)6734570.

Thank you,

A handwritten signature in blue ink, appearing to read "Butch Owen", is written over a horizontal line.

Butch Owen WWTPO

City of Kalama wwtp

PH 3606734570

Email: [bowen@cityofkalama.com](mailto:bowen@cityofkalama.com)

PO Box 1007

Kalama WA98625

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## Kalama Wastewater Treatment Plant

## Reporting Year: From: 01/01/24 To: 12/31/24

Design Population Equivalent: 4510

	Average Monthly Flow (MGD)			Total Monthly Rainfall (inches)			Population Served		
	Year			Year			Year		
Month	2022	2023	2024	2022	2023	2024	2022	2023	2024
January	0.4564	0.4012	0.5787	0.4	4.2	8.7	2900	2900	3060
February	0.2751	0.324	0.3207	0.3	3.4	4.0			
March	0.3692	0.405	0.3876	0.4	3.4	4.8			
April	0.2829	0.132	0.1318	0.1	0.5	0.5			
May	0.3377	0.232	0.2917	0.2	0.8	3.4			
June	0.2650	0.200	0.0477	0.2	1	1.5			
July	0.2360	0.201	0.2047	0.2	0.1	0.5			
August	0.2333	0.197	0.2085	0.2	1.5	0.8			
September	0.2185	0.200	0.2004	0.2	1.3	1.3			
October	0.2219	0.218	0.2369	0.2	3.2	4.9			
November	0.3280	0.338	0.4179	0.3	8	8.1			
December	0.4543	0.524	0.4568	0.5	8.7	7.4			
<b>TOTAL</b>	<b>3.6783</b>	<b>3.3708</b>	<b>3.483323</b>	<b>3</b>	<b>36</b>	<b>46</b>	<b>Total (feet)</b>		
<b>High</b>	<b>0.4564</b>	<b>0.5235</b>	<b>0.578677</b>	<b>Total (miles)</b>					
<b>Low</b>	<b>0.2185</b>	<b>0.1318</b>	<b>0.047742</b>						
<b>Average</b>	<b>0.306525</b>	<b>0.2809</b>	<b>0.290277</b>						
<b>I/I</b>	<b>0.2379</b>	<b>0.3917</b>	<b>0.530935</b>						

Additional Sewer Lines Added (feet)		
Year		
2022	2023	2024
0	0	0
0	0	0
0.00	0.00	0.00

Base Year: 2011 Base Year I/I: 0.253 MGD

Year	I/I	% increase from base I/I	% of avg. design flow	
2022	0.2379	-6	30	107
2023	0.3917	55	49	231
2024	0.530935484	110	66	

Comments:

Signature and Title

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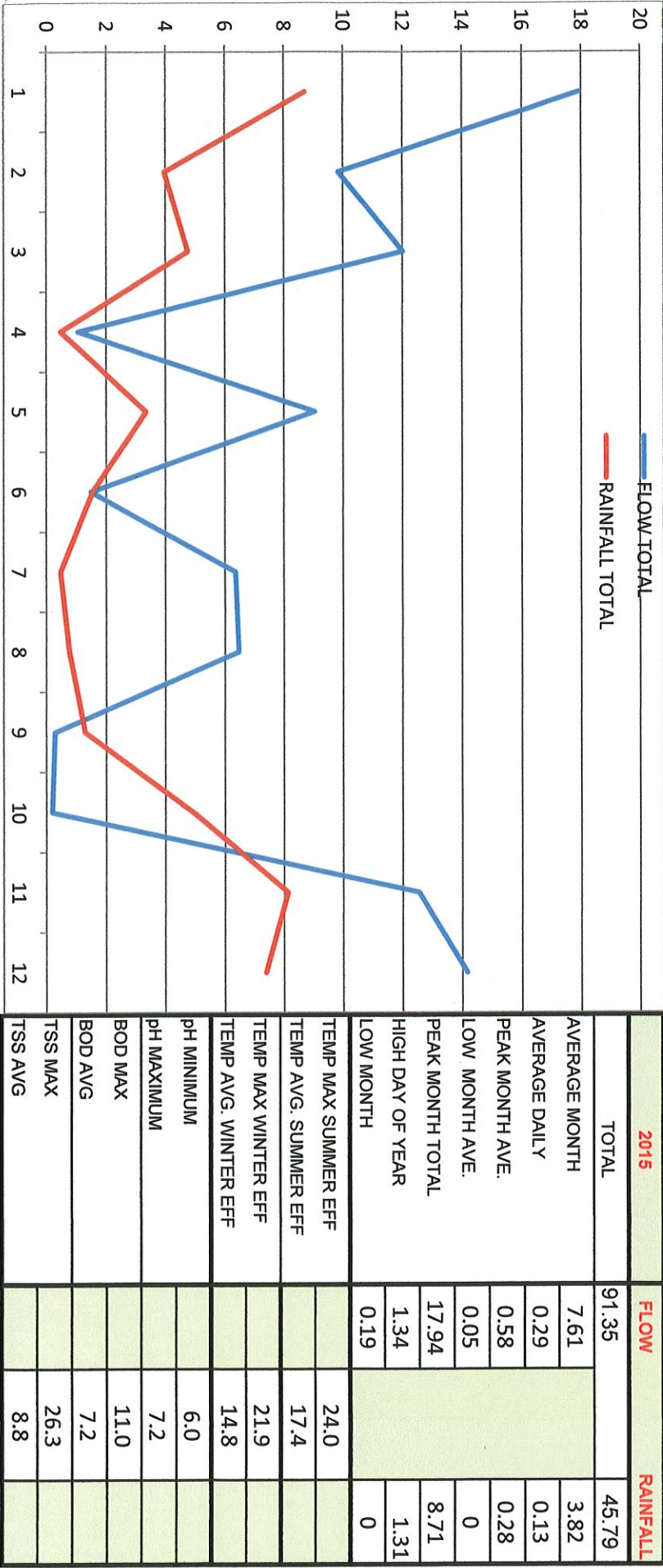




2019 USING EFF MORE ACCURATE (quit july)										EFFLUANT										NUMBER of samples		
TOTAL	PEAK	FLOW		RAINFALL		FECAL	MAX		HI	MAX		MAX		MAX		BOD/TSS	FECALS	TEMP				
	DAY	TOTAL	AVG.	TOTAL	AVG.	GEM	Ph	MIN	TEMP	AVG.	BOD	AVG	TSS	AVG								
JANUARY	1.34	17.94	0.58	8.7	0.3	4	7.2	6.0	14.3	12.0	5.5	2.7	15.7	5.6	9	10.0	31.0					
	0.86	9.84	0.32	4.0	0.1	5	7.0	6.1	14.1	13.4	5.6	2.6	15.3	4.6	9	8.0	29.0					
MARCH	0.79	12.02	0.39	4.8	0.2	6	7.0	6.1	15.1	13.3	11.0	3.4	10.7	5.5	8	8.0	31.0					
	0.38	1.05	0.13	0.5	0.0	32	7.0	6.2	17.0	15.3	3.8	2.6	6.3	3.7	9	10.0	30.0					
MAY	0.61	9.04	0.29	3.4	0.1	20	7.2	6.2	18.98	17.2	5.4	3.6	13.3	5.6	9	8.0	31.0					
JUNE	0.35	1.48	0.05	1.5	0.05	137	7.1	6.5	19.0	3.7	9.5	4.6	8.3	8.3	8	8.0	30.0					
JULY	0.24	6.35	0.20	0.5	0.02	39	7.1	6.3	24.0	22.9	9.1	7.2	16.3	7.4	9.0	10.0	31.0					
	0.22	6.46	0.21	0.8	0.02	80	7.0	6.7	23.81	23.3	8.9	4.7	26.3	8.8	9	8.0	31.0					
SEPTEMBER	0.29	0.29	0.20	1.3	0.04	14	7.0	6.2	22.8	22.0	7.6	3.6	9.3	4.3	8.0	8.0	30.0					
	0.41	0.19	0.24	4.9	0.2	59	6.9	6.4	21.9	20.2	9.8	4.8	18.0	5.8	10.0	8.0	31.0					
NOVEMBER	0.98	12.54	0.42	8.1	0.3	23	6.9	6.8	17.8	16.1	9.8	5.8	22.7	7.3	8.0	8.0	30.0					
DECEMBER	1.28	14.16	0.46	7.4	0.2	13	7.0	6.9	15.5	13.8	7.8	5.3	9.0	4.9	9.0	10.0	31.0					

NUMBER OF SAMPLES 105 104 366

RAIN IN INCHES ALL FLOW MEASURED IN MGD



2015		FLOW		RAINFALL	
TOTAL		91.35		45.79	
AVERAGE MONTH		7.61		3.82	
AVERAGE DAILY		0.29		0.13	
PEAK MONTH AVE.		0.58		0.28	
LOW MONTH AVE.		0.05		0	
PEAK MONTH TOTAL		17.94		8.71	
HIGH DAY OF YEAR		1.34		1.31	
LOW MONTH		0.19		0	
TEMP MAX SUMMER EFF			24.0		
TEMP AVG. SUMMER EFF			17.4		
TEMP MAX WINTER EFF			21.9		
TEMP AVG. WINTER EFF			14.8		
pH MINIMUM			6.0		
pH MAXIMUM			7.2		
BOD MAX			11.0		
BOD AVG			7.2		
TSS MAX			26.3		
TSS AVG			8.8		





The following tables and guidelines have been developed to assist in preparing an Annual Treatment Facility Review Report (Wasteload Assessment): Please fill in yellow shaded areas.

**Kalama Wastewater Treatment Plant**

**Annual Treatment Facility Review Report (Wasteload Assessment)**

Reporting Year: From: 1/1/2024 To: 12/31/2024

**Design Parameters:**

Max monthly design flow (dry):	0.39 MGD	Design Population Equivalent:	4510
Max monthly design flow (wet):	0.8 MGD	Present Population Served:	3060
Peak daily design flow:	1.72 MGD	Projected Population growth:	
Design Influent BOD loading:	1046 lbs/day	Compliance with effluent permit limitation?	
Design Influent TSS loading:	992 lbs/day	X Yes	No

**Table 1, Influent Monthly Average Loading & Peak Daily Flow (From Monthly DMR)**

Month	Avg flow (MGD)	Peak Flow (MGD)	BOD (lbs/day)	TSS (lbs/day)
January	0.5787	1.3360	419.0	695.2
February	0.0565	0.8590	237.7	397.8
March	0.4050	0.7940	300.5	519.1
April	0.1318	0.3810	262.9	548.4
May	0.2322	0.6050	328.3	466.0
June	0.1999	0.3540	353.4	533.1
July	0.2007	0.2400	465.9	478.6
August	0.1966	0.2240	343.6	618.9
September	0.1966	0.2850	299.1	630.0
October	0.2178	0.4110	335.0	607.3
November	0.3377	0.9800	387.2	478.5
December	0.5235	1.2780	563.2	592.1

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**Table 2, Maximum Influent Monthly Average Loading (Highest Month)**

	Month	Monthly Value	Design Capacity	% Design Capacity	Previous year Monthly value	% Increase / Decrease
Weather Flow MGD	May	0.2322	0.3900	59.55%	0.1500	54.82%
Weather Flow MGD	January	0.5787	0.8000	72.33%	0.3100	86.67%
Peak Flow MGD	January	1.3360	1.7200	77.67%	0.4100	225.85%
BOD (lbs/day)	December	563.2	1046.0	53.84%	373.3	50.87%
TSS (lbs/day)	January	695.2	992.0	70.08%	331.3	109.85%

\* Flow or wasteload reached 85% of design capacity; \*\* Flow or wasteload reached or exceeded its design capacity

If actual flow or wasteload reaches 85% of design capacity for three consecutive months, the permittee shall submit a plan and schedule in accordance with their permit.

**Table 3, Maximum Monthly Average Data for the Last Three Years (For Plotting)**

Year	Flow (MGD)	BOD	TSS (lbs/day)
2022	0.469	757	798
2023	0.52	534	635
2024	0.5787	563.2	695.2

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Estimated year when the design capacity is projected to be reached:

Comments:

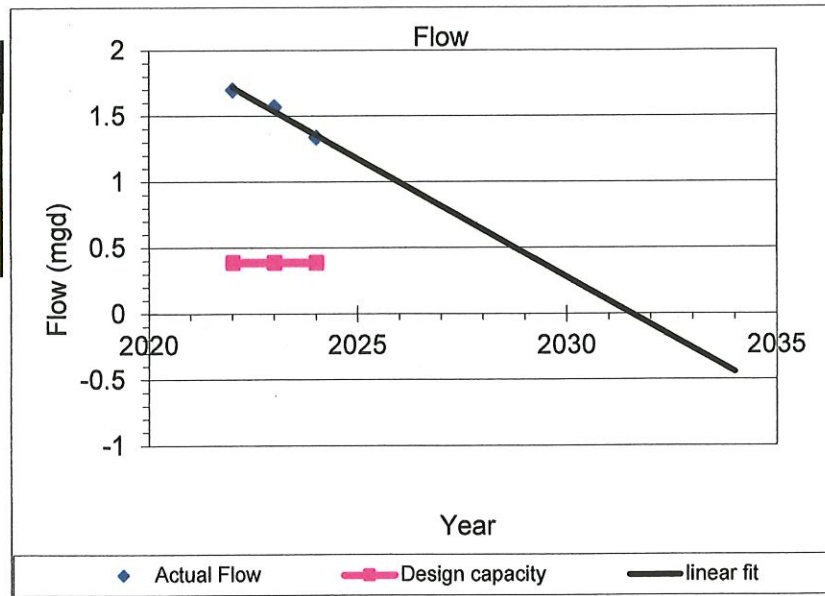
Signature and Title

*[Signature]* WWTO

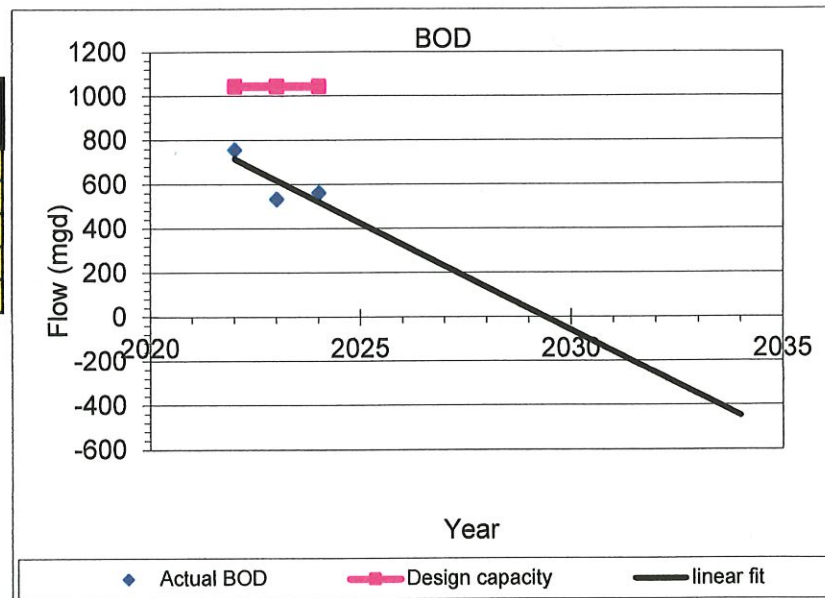




Year	Max mont Flow, mgd	Design cap, mgd
2022	1.7	0.39
2023	1.57	0.39
2024	1.34	0.39



Year	Max mont BOD, lbs/day	Design lbs/day
2022	757	1046
2023	534	1046
2024	563.2	1046



Year	Max mont TSS, lbs/day	Design lbs/day
2022	798	992
2023	635	992
2024	695.2	992

