Village of Red Hook Wastewater System

	Red Hook Commons		***Village of Red Hook***	
Average Daily Flow :	*0.007 MGD (Million Gallons per Day)*		*0.036 MGD (Million Gallons per Day)*	
	Required Samples	***Result - Old Plant***	***Result - New Plant***	***Compliance***
February 2025	*CBOD*	15 mg/L	62 mg/L	5 mg/L
	TSS	13.7 mg/L	110 mg/L	10 mg/L
	NH3	4.9	58.2	0.98 mg/L (June 1 - Oct 31) 1.81 mg/L (Nov 1 - May 31)
	Fecal Coliform	2420/100 mL	2420/100 mL	200/100 mL
	Dissolved Oxygen	2.0 mg/L	2.3 mg/L	7.0 mg/L Minimum
	TKN	7.8mg/L	58.2mg/L	0.4 mg/L Minimum

Deficiencies

Sand Filter - Red Hook Commons	*Sand Filters have never been rebuilt or media replaced. To be reviewed and incorporated into the planning for the Sewer Phase II project.*
Backflow Prev. Replacement - Red Hook Commons	*Facilities backflow Preventor in need of replacement.*
UV'S - Red Hook Commons & Village of Red Hook	*1 UV on at new plant. C3ND will provide village with pricing on upgraded power supply for the UV system. Ethernet cable was tested and found to be unable to support the energy supply. Awaiting further guidance from Enaqua.*
Treatment Plant Cleaning	*Work Completed by Village & C3ND*

Additional Notes:

NEW YORK STATE DEPARTMENT OF ENVIROMENTAL CONSERVATION

DIVISION OF WATER

WASTEWATER FACILITY OPERATION REPORT FOR THE MONTH OF February 2025

SPDES PERMIT NO.	FACILITY NAME	FACILITY OWNER	FACILITY LOCATION
NY-- 0271420	Village of Red Hook Sewer	Village of Red Hook	7467 S Broadway Red Hook, NY12571

			VOLUME OF SEWAGE TREATED			TEMPERATURE (ºF.)		pH (S.U)				SETTLEABLE SOLIDS		B.O.D.5		SUSPENDED SOLIDS	
Day	Date	Daily Precip in/day	Inst.Max. MGD	Daily Average MGD	Inst. Min MGD	Influent (2)	Effluent (2)	Influent Minimum	Influent Maximum	Effluent Minimum	Effluent Maximum	Influent Maximum	Effluent Maximum	Influent Type	Effluent Type	Influent Type	Effluent Type
Sat	01	0.52		0.033		46	48		7.1		7.3	30	<0.1				
Sun	02	0.00		0.004		48	47		7.3		7.5	30	<0.1				
Mon	03	0.14		0.031		46	47		7.3		7.4	28	<0.1				
Tue	04	0.00		0.035		47	49		7.1		7.5	3	<0.1				
Wed	05	0.00		0.042		48	47		7.4		7.7	2	<0.1				
Thur	06	0.00		0.035		48	47		7.5		7.5	40	<0.1				
Fri	07	0.22		0.054		49	48		7.0		7.4	25	<0.1		62		110
Sat	08	0.00		0.034		48	48		7.6		8.0	35	<0.1				
Sun	09	0.38		0.031		48	46		8.2		7.8	40	<0.1				
Mon	10	0.00		0.053		50	49		7.7		7.5	80	<0.1				
Tue	11	0.00		0.031		49	48		7.7		7.6	70	<0.1				
Wed	12	0.00		0.036		48	47		7.8		7.4	65	<0.1				
Thur	13	0.11		0.044		47	47		7.6		7.5	75	<0.1				
Fri	14	0.00		0.024		48	47		7.8		7.4	110	<0.1				
Sat	15	0.00		0.026		47	47		7.6		7.5	130	<0.1				
Sun	16	0.11		0.021		48	47		7.7		7.7	140	<0.1				
Mon	17	0.62		0.006		48	48		7.7		7.5	200	<0.1				
Tue	18	0.82		0.052		47	47		7.8		7.6	200	<0.1				
Wed	19	0.00		0.042		48	47		7.8		7.4	330	<0.1				
Thur	20	0.00		0.046		47	47		6.7		7.3	360	<0.1				
Fri	21	0.00		0.053		47	47		6.7		7.4	15	<0.1				
Sat	22	0.00		0.030		53	54		6.6		7.7	0	<0.1				
Sun	23	0.00		0.044		48	49		6.5		7.7	0	<0.1				
Mon	24	0.00		0.041		50	48		6.9		7.7	130	<0.1				
Tue	25	0.00		0.040		48	48		7.4		7.5	25	<0.1				
Wed	26	0.00		0.040		48	49		6.7		7.4	6	<0.1				
Thur	27	0.02		0.038		46	48		6.6		7.3	0	<0.1				
Fri	28	0.30		0.044		48	50		6.6		7.5	5	<0.1				
	01																
	02																
	03																
		Total Precip.		Monthly Average		Average Influent	Average Effluent	Minimum	Maximum	Minimum	Maximum	Monthly Maximum	Monthly Maximum	30 day flow-weighted avg (1) Inf.(mg/l)	Eff.(mg/l) Rem.%	30 day flow-weighted avg (1) Inf.(mg/l)	Eff.(mg/l) Rem.%
		3.24		0.036		48	48	6.5	8.2	7.3	8.0	360.0	<0.1		62 #DIV/0!		110 #DIV/0!
												30 Day Quanity		18.65 lbs/day		33.09 lbs/day	

FACILITY MAILING ADDRESS (Street, City, State, Zip code)	TELEPHONE NUMBER	CHIEF OPERATOR'S NAME	CERTIFICATION GRADE
14 Old Route 199 Red Hook, NY 12571	845-244-0129	C3ND ENVIRONMENTAL	2A

		TOTAL PHOSPHORUS(mg/l)		Ultra Violet MW/CM2		FECAL COLIFORM	
Day	Date	Influent Type	Effluent Type	#1	#2	Effluent MF or MPN/100ml	REMARKS Enter any other comments, observations, operating problems, equipment failure, etc
Sat	01			100%	0%		Red Hook Commons UV'S not currently working & in need of replacement of Bulb's.
Sun	02			100%	0%		There has been customer complaints referencing odor from wastewater treatment plant, intial investigation found that some odors are coming from odoris wastewater discharge, while other investigations have found that the odor seems to be coming from the facilities EQ tank vent. The village is aware & are working on a remdiation for the odors from the EQ vent line.
Mon	03			100%	0%		
Tue	04			100%	0%		
Wed	05			100%	0%		
Thur	06			100%	0%		
Fri	07			100%	0%	24196	
Sat	08			100%	0%		
Sun	09			100%	0%		
Mon	10			100%	0%		
Tue	11			100%	0%		
Wed	12			100%	0%		
Thur	13			100%	0%		
Fri	14			100%	0%		
Sat	15			100%	0%		
Sun	16			100%	0%		
Mon	17			100%	0%		
Tue	18			100%	0%		
Wed	19			100%	0%		
Thur	20			100%	0%		
Fri	21			100%	0%		
Sat	22			100%	0%		
Sun	23			100%	0%		
Mon	24			100%	0%		
Tue	25			100%	0%		
Wed	26			100%	0%		
Thur	27			100%	0%		
Fri	28			100%	0%		
	01						
	02						
	03						

	30 day flow-weighted avg.(1)		Monthly		30 day Geometric Mean (1)
	Influent(mg/l)	Effluent(mg/l)	Minimum(1)	Maximum	
			0	1	24196
		lbs/day			

(1) Refer to current edition of "Notice to SPDES Permitees Regarding Use of the National Pollutant Discharge Elimination System (NPDES) Discharge Monitoring Report Form" for procedures to calculate loadings, flow-weighted average, geometric mean, maximum minimum, percent removal, etc.

Note: Refer to current SPDES permit for specific monitoring requirements. Sample type for chlorine residual and fecal coliforms is grab.

										FIXED MEDIA PROCESS CONTROL		ACTIVATION SLUDGE PROCESS CONTROL				
		Dissolved Oxygen		Ammonia as Nitrogen		TKN as Nitrogen		Ulimate Oxygen Demand		Recirculation Rate	Media Effluent Settleable Solids	Mixed Liquor S.S. (MLSS)	Settleable Sludge Volume (SSV) ml/l		Return Act. Sludge (RAS)	Waste Act. Sludge (WAS)
Day	Date		Effluent		Effluent		Effluent		Effluent	M.G.D	ml/l	mg/l	30Min	60 Min	M.G.D	Gallons
Sat	01		7.0													
Sun	02		7.0													
Mon	03		7.0													
Tue	04		6.0													
Wed	05		5.0													
Thur	06		5.0													
Fri	07		6.0		45.2		58.2		354							
Sat	08		7.0													
Sun	09		6.0													
Mon	10		5.0													
Tue	11		5.0													
Wed	12		5.0													
Thur	13		6.0													
Fri	14		6.0													
Sat	15		6.0													
Sun	16		7.0													
Mon	17		5.0													
Tue	18		5.0													
Wed	19		5.0													
Thur	20		5.0													
Fri	21		5.0													
Sat	22		3.0													
Sun	23		5.8													
Mon	24		5.9													
Tue	25		5.0													
Wed	26		5.0													
Thur	27		3.3													
Fri	28		2.3													
	01															
	02															
	03															
			5.4													
					lbs/day		lbs/day	0.000	lbs/day							

Effect on Receiving Stream

NAME OF RECEIVING STREAM			
DATE	STATION	PARAMETER	RESULT

Name and amount of chemicals used in treatment process during month.

a. Chlorine ____________ lbs.
b. Sodium Hypochlorite ____________ gal.
c. soda Ash ____________ lbs.
d. ____________ lbs.
e. ____________ lbs.
f. ____________ lbs.

Amount of electrical power consumed

a. Commercial ____________ kilowatt hours
b. Stand-by ____________ kilowatt hours

Amount of fuel consumed

a. Natural Gas ____________ cubic feet
b. Oil ____________ gallons
c. Gasoline ____________ gallons
d. Coal ____________ tons
e. Digester Gas ____________ cubic feet
f. Propane ____________ gallons

Sludge Removal from Plant:

a. Amount ____________ gallons
b. Solid Content ____________ %
c. Volatile Solids Content ____________ %
d. Disposal Site Superior Sanitation

Other Solid Waters:

a. Screening ____________ cubic feet
b. Grit ____________ cubic feet
c. Ashes ____________ tons
d. ____________
e. ____________
f. ____________
g. Disposal Site Private hauler

Digester Gas Wasted ____________ cubic feet

Labor expended:

POSITION NAME	NUMBER FULL TIME	NUMBER PART TIME	TOTAL HOURS
Supervisor			
Chief Operator			
Operator			
Mechanic			

I hereby affirm under penality of perjury that information proided on this form is true to the best of my knowledge and belief. False statements made herein are punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

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Signature of Chief Operator or Designated Facility Representative