



Village of Red Hook Wastewater System

Average Daily Flow :		Red Hook Commons 0.010 MGD (Million Gallons per Day)	Village of Red Hook 0.039 MGD (Million Gallons per Day)		
	Required Samples	Result - Old Plant	Result - New Plant	Compliance	
November 2024	CBOD	37 mg/L	25 mg/L	5 mg/L	
	TSS	<2.59 mg/L	<2.71 mg/L	10 mg/L	
	NH3	<0.05	<0.05	0.98 mg/L (June 1 - Oct 31) 1.81 mg/L (Nov 1 - May 31)	
	Fecal Coliform	<1.00/100 mL	<1.00/100 mL	200/100 mL	
	Dissolved Oxygen	7.0 mg/L	7.0 mg/L	7.0 mg/L Minimum	
	TKN	<0.4mg/L	<0.4mg/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.				
UVS - Red Hook Commons & Village of Red Hook	Red Hook Commons in need of replacement of Bulb's. Village of Red Hook UV's not working due to possible power surge. C3ND provided Village with option to replace with new parts or to send out for evaluation.				
Grating -Village of Red Hook	Corroded grating over anoxic zones in the new Besst treatment plant.				
EPA Approved Lab Equipment	Updated equipment required.				
Treatment Plant Cleaning	Removal of rages, old pumps, garbage, unused equipment, misc item's. Dumpster is scheduled for Friday 1/10/25 in the morning. C3ND will update the Village once completed.				
Additional Notes:					



WASTEWATER FACILITY OPERATION REPORT FOR THE MONTH November 2024

SPDES PERMIT		FACILITY NAME			FACILITY OWNER				FACILITY LOCATION								
NY-- 0271420		Village of Red Hook Sewer			Village of Red Hook				7467 S Broadway Red Hook, NY12571								
Day	Date	Daily Precip in/day	VOLUME OF SEWAGE TREATED			TEMPERATURE (°F.)		pH (S.U)				SETTLABLE SOLIDS		B.O.D. ₅		SUSPENDED SOLIDS	
			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
Fri	01	0.00		0.009		70	70		7.8		7.5	21.0	<0.1				
Sat	02	0.00		0.009		70	70		7.7		7.8	17.0	<0.1				
Sun	03	0.00		0.009		70	70		7.7		7.7	24.0	<0.1				
Mon	04	0.00		0.010		70	70		7.8		7.7	15.0	<0.1				
Tue	05	0.00		0.009		70	70		7.9		7.6	31.0	<0.1				
Wed	06	0.00		0.008		70	70		7.7		7.8	17.0	<0.1				
Thu	07	0.00		0.009		70	70		7.6		7.9	26.0	<0.1				
Fri	08	0.00		0.008		70	70		7.8		7.7	15.0	<0.1				
Sat	09	0.00		0.009		70	70		7.7		7.8	24.0	<0.1				
Sun	10	0.00		0.010		70	70		7.8		7.8	31.0	<0.1				
Mon	11	0.23		0.008		70	70		7.9		8.1	19.0	<0.1				
Tue	12	0.00		0.009		70	70		7.7		7.8	28.0	<0.1				
Wed	13	0.00		0.008		70	70		7.5		7.7	36.0	<0.1				
Thu	14	0.00		0.007		70	70		7.8		7.8	21.0	<0.1				
Fri	15	0.00		0.009		70	70		7.7		8.0	39.0	<0.1				
Sat	16	0.00		0.011		70	70		7.9		7.9	15.0	<0.1				
Sun	17	0.00		0.010		70	70		7.7		7.7	24.0	<0.1				
Mon	18	0.00		0.009		70	70		7.8		7.8	17.0	<0.1				
Tue	19	0.00		0.008		70	70		7.8		8.1	29.0	<0.1				
Wed	20	0.00		0.016		70	70		7.6		7.8	20.0	<0.1				
Thu	21	0.61		0.011		70	70		7.8		7.9	31.0	<0.1				
Fri	22	1.94		0.011		68	70		7.7		7.7	43.0	<0.1		37		3
Sat	23	0.33		0.011		67	70		7.5		7.7	24.0	<0.1				
Sun	24	0.00		0.012		68	70		7.7		7.9	37.0	<0.1				
Mon	25	0.00		0.013		68	70		7.4		7.8	20.0	<0.1				
Tue	26	0.04		0.011		68	69		7.7		7.9	31.0	<0.1				
Wed	27	0.30		0.010		67	68		7.5		7.7	24.0	<0.1				
Thu	28	0.16		0.011		67	68		7.8		7.8	29.0	<0.1				
Fri	29	0.60		0.013		67	68		7.6		7.8	21.0	<0.1				
Sat	30	0.02		0.012		66	68		7.8		7.6	34.0	<0.1				
		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.%	
		4.23	0.010			69	70	7.4	7.9	7.5	8.1	43.0	<0.1	37	###	3	###
		30 Day Quantity											3.11 lbs/day		0.22 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	
Day	Date	TOTAL PHOSPHORUS(mg/l)		Ultra Violet		FECAL COLIFORM		REMARKS Enter any other comments, observations, operating problems, equipment failure, etc	
		Influent Type	Effluent Type	MW/CM2		Effluent MF or MPN/100ml			
				#1	#2				
Fri	01			100%	100%				Red Hook Commons UV'S not currently working & in need of replacement of Bulb's.
Sat	02			100%	100%				There has been customer complaints referencing odor from wastewater treatment plant, initial investigation found that some odors are coming from odors 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 remediation for the odors from the EQ vent line.
Sun	03			100%	100%				
Mon	04			100%	100%				
Tue	05			100%	100%				
Wed	06			100%	100%				
Thu	07			100%	100%				
Fri	08			100%	100%				
Sat	09			100%	100%				
Sun	10			100%	100%				
Mon	11			100%	100%				
Tue	12			100%	100%				
Wed	13			100%	100%				
Thu	14			100%	100%				
Fri	15			100%	100%				
Sat	16			100%	100%				
Sun	17			100%	100%				
Mon	18			100%	100%				
Tue	19			100%	100%				
Wed	20			100%	100%				
Thu	21			100%	100%				
Fri	22			100%	100%		1		
Sat	23			100%	100%				
Sun	24			100%	100%				
Mon	25			100%	100%				
Tue	26			100%	100%				
Wed	27			100%	100%				
Thu	28			100%	100%				
Fri	29			100%	100%				
Sat	30			100%	100%				
Sat									
		30 day flow-weighted avg.(1)		Monthly		30 day Geometric Mean			
		Influent(mg/	Effluent(mg/	Minimum(1	Maximum				
				1	1	1			
		lbs/day							

(1) Refer to current edition of "Notice to SPDES Permittees 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.

