



Village of Red Hook Wastewater System

Average Daily Flow :	Red Hook Commons 0.006 MGD (Million Gallons per Day)		Village of Red Hook 0.035 MGD (Million Gallons per Day)	
	Required Samples	Result - Old Plant	Result - New Plant	Compliance
<p>January December 2024 2025</p>	CBOD	8 mg/L	226 mg/L	5 mg/L
	TSS	26 mg/L	372 mg/L	10 mg/L
	NH3	14.9	53.2	0.98 mg/L (June 1 - Oct 31) 1.81 mg/L (Nov 1 - May 31)
	Fecal Coliform	2.00/100 mL	2420/100 mL	200/100 mL
	Dissolved Oxygen	2.0 mg/L	2.0 mg/L	7.0 mg/L Minimum
	TKN	18.2mg/L	82.9mg/L	0.4 mg/L Minimum
	Deficiencies			
Sand Filter - Red Hook Commons	<i>Sand Filters have never been rebuilt or media replaced. To be reviewed and incorporated into the planning for the Sewer Phase II project.</i>			
Backflow Prev. Replacement - Red Hook Commons	<i>Facilities backflow Preventor in need of replacement.</i>			
UVS - Red Hook Commons & Village of Red Hook	<i>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.</i>			
Grating -Village of Red Hook	<i>Corroded grating over anoxic zones in the new Besst treatment plant.</i>			
EPA Approved Lab Equipment	<i>All supplies have been delivered to Village of Red Hook WWTP except large dipper - Waiting for replacement Dipper from USA Bluebook.</i>			
Treatment Plant Cleaning	<i>Work Completed by Village & C3ND</i>			
Additional Notes:				



WASTEWATER FACILITY OPERATION REPORT FOR THE MON January 2025

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	
Wed	01	0.46		0.005		53	56		7.4		7.6	28.0	<0.1					
Thu	02	0.10		0.005		50	53		7.7		7.8	41.0	<0.1					
Fri	03	0.00		0.006		48	50		7.3		7.5	15.0	<0.1					
Sat	04	0.00		0.006		47	49		7.0		7.2	112.0	<0.1					
Sun	05	0.00		0.006		49	46		7.2		7.4	34.0	2.5					
Mon	06	0.00		0.005		54	50		7.6		7.5	70.0	<0.1					
Tue	07	0.02		0.008		51	46		7.8		7.7	51.0	<0.1					
Wed	08	0.00		0.006		52	45		7.3		7.8	37.0	<0.1					
Thu	09	0.00		0.008		56	50		7.6		8.1	45.0	2.0					
Fri	10	0.00		0.006		56	52		7.4		7.9	30.0	5.0					
Sat	11	0.03		0.007		44	45		7.2		7.6	80.0	3.0					
Sun	12	0.00		0.008		44	43		7.0		7.2	12.0	<0.1					
Mon	13	0.00		0.006		46	48		7.9		7.6	21.0	<0.1					
Tue	14	0.00		0.007		50	52		7.5		8.0	36.0	<0.1					
Wed	15	0.00		0.001		54	50		7.6		7.7	49.0	<0.1					
Thu	16	0.00		0.001		55	49		7.7		7.9	27.0	<0.1					
Fri	17	0.05		0.001		54	56		7.7		7.6	15.0	<0.1					
Sat	18	0.00		0.001		55	55		7.6		7.3	118.0	<0.1					
Sun	19	0.14		0.003		50	50		7.1		7.2	100.0	<0.1					
Mon	20	0.38		0.006		56	49		7.5		7.8	50.0	<0.1					
Tue	21	0.00		0.004		55	52		7.5		7.7	35.0	<0.1					
Wed	22	0.00		0.005		53	54		7.2		8.0	48.0	<0.1					
Thu	23	0.00		0.005		55	52		7.6		7.9	55.0	<0.1		8		20	
Fri	24	0.00		0.008		54	53		7.5		7.8	23.0	<0.1					
Sat	25	0.00		0.005		53	53		7.2		7.6	30.5	<0.1					
Sun	26	0.00		0.006		55	55		7.6		7.3	90.0	<0.1					
Mon	27	0.00		0.011		53	53		7.9		7.8	25.0	<0.1					
Tue	28	0.00		0.005		52	51		7.8		7.6	32.0	<0.1					
Wed	29	0.00		0.000		48	50		7.8		7.6	35.0	<0.1					
Thu	30	0.00		0.006		47	49		7.2		7.5	30.0	<0.1		8		26	
Fri	31	0.00		0.012		50	51		7.4		7.6	35.0	<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.%	
		1.18		0.006		52	51	7.0	7.9	7.2	8.1	118.0	5	16	####	45	####	
												30 Day Quantity		0.74 lbs/day		2.09 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
Day	Date	TOTAL PHOSPHORUS(mg/l)		Ultra Violet		FECAL COLIFORM Effluent MF or MPN/100m	REMARKS Enter any other comments, observations, operating problems, equipment failure, etc
		Influent Type	Effluent Type	MW/CM2 #1	MW/CM2 #2		
Wed	01			0%	0%		Red Hook Commons UV'S not currently working & in need of replacement of Bulb's.
Thu	02			0%	0%		There has been customer complaints referencing odor from wastewater treatment plant, initial 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 remediation for the odors from the EQ vent line.
Fri	03			0%	0%		
Sat	04			0%	0%		
Sun	05			0%	0%		
Mon	06			0%	0%		
Tue	07			0%	0%		
Wed	08			0%	0%		
Thu	09			0%	0%		
Fri	10			0%	0%		
Sat	11			0%	0%		
Sun	12			0%	0%		
Mon	13			0%	0%		
Tue	14			0%	0%		
Wed	15			0%	0%		
Thu	16			0%	0%		
Fri	17			25%	0%		
Sat	18			25%	0%		
Sun	19			25%	0%		
Mon	20			25%	0%		
Tue	21			25%	0%		
Wed	22			25%	0%		
Thu	23			25%	0%	1	
Fri	24			25%	0%		
Sat	25			25%	0%		
Sun	26			25%	0%		
Mon	27			25%	0%		
Tue	28			25%	0%		
Wed	29			25%	0%		
Thu	30			25%	0%	2	
Fri	31			25%	0%		
		30 day flow-weighted avg.(1)		Monthly		30 day Geometric Mean	
		Influent(mg/	Effluent(mg/	Minimum(1	Maximum	1	
				0	0		
		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.

