



**Village of Red Hook Wastewater System**

<b>Red Hook Commons</b>		<b>Village of Red Hook</b>	
Average Daily Flow : 0.007 MGD (Million Gallons per Day)		0.036 MGD (Million Gallons per Day)	
	<u>Required Samples</u>	<u>Result - Old Plant</u>	<u>Result - New Plant</u>
February 2025	CBOD	15 mg/L	62 mg/L
	TSS	13.7 mg/L	110 mg/L
	NH <sub>3</sub>	4.9	58.2
	Fecal Coliform	2420/100 mL	2420/100 mL
	Dissolved Oxygen	2.0 mg/L	2.3 mg/L
	TKN	7.8mg/L	58.2mg/L
			0.98 mg/L (June 1 - Oct 31) 1.81 mg/L (Nov 1 - May 31)
			200/100 mL
			7.0 mg/L Minimum
			0.4 mg/L Minimum
<b>Deficiencies</b>			
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		
<b>Additional Notes:</b>			



FACILITY MAILING ADDRESS (Street, City, State, Zip code) 14 Old Route 199 Red Hook, NY 12571				TELEPHONE NUMBER 845-244-0129		CHIEF OPERATOR'S NAME C3ND ENVIRONMENTAL	CERTIFICATION GRADE 2A
Day	Date	TOTAL PHOSPHORUS(mg/l)		Ultra Violet MW/CM2		FECAL COLIFORM Effluent MF or MPN/100ml	REMARKS Enter any other comments, observations, operating problems, equipment failure, etc
		Influent Type	Effluent Type	#1	#2		
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, 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.
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) Influent(mg/l) Effluent(mg/l)		Monthly Minimum(1) Maximum 0 1		30 day Geometric Mean (1) 24196	
		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.

										FIXED MEDIA PROCESS CONTROL		ACTIVATION SLUDGE PROCESS CONTROL				
		Dissolved Oxygen		Ammonia as Nitrogen		TKN as Nitrogen		Ultimate 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								

