



Village of Red Hook Wastewater System

<i>Average Daily Flow :</i>	Red Hook Commons <i>0.008 MGD (Million Gallons per Day)</i>	Village of Red Hook <i>0.038 MGD (Million Gallons per Day)</i>		
	Required Samples	Result - Old Plant	Result - New Plant	Compliance
<i>September 2024</i>	<i>BOD (June 1 - Oct 31)</i>	<1.0 mg/L	<21.0 mg/L	5 mg/L
	<i>TSS</i>	4.40 mg/L	<2.50 mg/L	10 mg/L
	<i>NH3</i>	<0.05	<0.05	0.98 mg/L (June 1 - Oct 31) 1.81 mg/L (Nov 1 - May 31)
	<i>Fecal Coliform</i>	<1.00/100 mL	<1.00/100 mL	200/100 mL
	<i>Dissolved Oxygen</i>	7.0 mg/L	7.0 mg/L	7.0 mg/L Minimum
Deficiencies				
<i>Sand Filter</i>	<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>			
<i>Backflow Prev. Replacement</i>	<i>Facilities backflow Preventor in need of replacement.</i>			
Additional Notes:				



WASTEWATER FACILITY OPERATION REPORT FOR THE MONTH OF September 2024

SPDES PERMIT NO. NY- 0271420		FACILITY NAME Village of Red Hook Sewer				FACILITY OWNER Village of Red Hook				FACILITY LOCATION 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		
Sun	01	0.00		0.037		73	70		8.1		7.5		<0.1						
Mon	02	0.00		0.037		70	69		7.0		8.2		<0.1						
Tue	03	0.00		0.046		70	70		8.1		8.4		<0.1						
Wed	04	0.00		0.038		68	70		8.4		7.5		<0.1						
Thu	05	0.00		0.039		68	70		8.4		7.5		<0.1						
Fri	06	0.00		0.041		67	70		7.8		7.3		<0.1						
Sat	07	0.00		0.039		67	71		8.4		7.6		<0.1						
Sun	08	0.43		0.040		71	70		8.4		8.1		<0.1						
Mon	09	0.00		0.036		67	70		8.4		8.1		<0.1						
Tue	10	0.00		0.052		65	70		8.3		8.1		<0.1						
Wed	11	0.00		0.031		69	70		8.1		8.0		<0.1						
Thu	12	0.00		0.038		67	70		8.2		7.9		<0.1						
Fri	13	0.00		0.039		68	70		8.4		7.5		<0.1						
Sat	14	0.00		0.042		77	66		7.8		8.0		<0.1						
Sun	15	0.00		0.041		68	66		7.9		8.2		<0.1						
Mon	16	0.00		0.035		68	67		8.1		8.1		<0.1						
Tue	17	0.00		0.040		68	67		8.3		8.0		<0.1						
Wed	18	0.00		0.036		68	67		8.4		8.0		<0.1						
Thu	19	0.00		0.036		68	67		8.4		8.1		<0.1						
Fri	20	0.00		0.039		68	67		8.2		8.1		<0.1						
Sat	21	0.00		0.038		68	67		7.8		7.9		<0.1						
Sun	22	0.00		0.037		69	68		8.0		8.1		<0.1						
Mon	23	0.00		0.034		68	69		8.4		8.1		<0.1						
Tue	24	0.00		0.038		68	68		8.4		8.2		<0.1		1		3		
Wed	25	0.00		0.035		68	68		8.4		8.2		<0.1						
Thu	26	0.04		0.041		67	67		8.4		8.2		<0.1						
Fri	27	0.40		0.038		68	68		8.2		8.2		<0.1						
Sat	28	0.00		0.041		68	69		8.0		7.9		<0.1						
Sun	29	0.21		0.022		67	69		7.8		8.2		<0.1						
Mon	30	0.05		0.034		64	70		7.3		8.2		<0.1						
		Total Precip. 1.13				Monthly Average 0.038		Average Influent 68	Average Effluent 69	Minimum 7.0	Maximum 8.4	Minimum 7.3	Maximum 8.4	Monthly Maximum 0.0	Monthly Maximum <0.1	30 day flow-weighted avg (1) Inf.(mg/l) Eff.(mg/l) Rem.% 1 #DIV/0!		30 day flow-weighted avg (1) Inf.(mg/l) Eff.(mg/l) Rem.% 3 #DIV/0!	
													30 Day Quantity		0.32 lbs/day		0.79 lbs/day		

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				
Sun	01			100%	100%				
Mon	02			100%	100%				
Tue	03			100%	100%				
Wed	04			100%	100%				
Thu	05			100%	100%				
Fri	06			100%	100%				
Sat	07			100%	100%				
Sun	08			100%	100%				
Mon	09			100%	100%				
Tue	10			100%	100%				
Wed	11			100%	100%				
Thu	12			100%	100%				
Fri	13			100%	100%				
Sat	14			100%	100%				
Sun	15			100%	100%				
Mon	16			100%	100%				
Tue	17			100%	100%				
Wed	18			100%	100%				
Thu	19			100%	100%				
Fri	20			100%	100%				
Sat	21			100%	100%				
Sun	22			100%	100%				
Mon	23			100%	100%				
Tue	24			100%	100%				
Wed	25			100%	100%				
Thu	26			100%	100%				
Fri	27			100%	100%				
Sat	28			100%	100%				
Sun	29			100%	100%				
Mon	30			100%	100%	1			
		30 day flow-weighted avg.(1) Influent(mg/l) Effluent(mg/l)		Monthly Minimum(1) Maximum		30 day Geometric Mean (1)			
				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 averages, 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	
Sun	01		7.0														
Mon	02		7.0														
Tue	03		7.0														
Wed	04		7.0														
Thu	05		7.0														
Fri	06		7.0														
Sat	07		7.0														
Sun	08		7.0														
Mon	09		7.0														
Tue	10		7.0														
Wed	11		7.0														
Thu	12		7.0														
Fri	13		7.0														
Sat	14		7.0														
Sun	15		7.0														
Mon	16		7.0														
Tue	17		7.0														
Wed	18		7.0														
Thu	19		7.0														
Fri	20		7.0														
Sat	21		7.0														
Sun	22		7.0														
Mon	23		7.0														
Tue	24		7.0		0.1												
Wed	25		7.0														
Thu	26		7.0														
Fri	27		7.0														
Sat	28		7.0														
Sun	29		7.0														
Mon	30		7.0														
								0.000									

