

RECEIVED

NOV 15 2023

JOHNSON CITY
ENV. FIELD OFFICE

DATE	RECEIVING STREAM ANALYSES														UNIT OPERATIONS*																			
	BOD		C.S.		SETT S		D.O.		PH		TEMP		FECAL		NH ₄		MLSS	MLSS	D.O. 30 min.	Sett. O	Est. O	W.A.S.	A.H.T.	D10	A.H.T. Temp	A.H.T. pH	A.H.T. T.S. %	Press	O ₂ Grd.	Per. %	T.S. %			
	ABOVE	BELOW	ABOVE	BELOW	ABOVE	BELOW	ABOVE	BELOW	ABOVE	BELOW	ABOVE	BELOW	ABOVE	BELOW	ABOVE	BELOW																		
32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64		
1																	3120	166	400	1000														
2																	365	570	4000															
3																	3230	3.4	600	5000														
4																	38	590	5000															
5																	304	3.7	610	5000														
6																	600	6000																
7																	490	5000																
8																	2880	4.2	650	4000	.1	14	2.0	1.4	160	30	23							
9																	42	680			.1	16.5												
10																	304	4.2	600	1000	.1	15.5				77	4							
11																	299	4.1	670	5000														
12																	590	4000																
13																	570	5000																
14																																		
15																	2120	3.9	600															
16																	42	590			.2	15												
17																	264	4.2	720			.2	14											
18																	4.2	690																
19																	271	4.1	730															
20																		490																
21																	428																	
22																	280	4.3	670															
23																	42	600																
24																	2352	4.2	780															
25																	4.0	720																
26																	2752	2.1	800	3000														
27																		780	4000															
28																		750	3000															
29																	2778	3.1	760	6000														
30																	3.0	720	6000															
31																			7000															
TOT																			4222	.1	15													
AVE																			3238	4.3	800	4000	.2	16.5	7.9	1.2	160	30	23					
MAX																			2614	1.1	400	1000	.1	14	7.0	1.4	73	4	18					
MIN																																		

SLUDGE DISPOSAL

QUANTITY OF WET SLUDGE GENERATED: _____ GALLONS/MONTH

QUANTITY OF WET SLUDGE DISPOSED OF: _____ GALLONS/MONTH

% SOLIDS: _____

WEIGHT OF SLUDGE (DRY) GENERATED: _____ METRIC TONS/MONTH

WEIGHT OF SLUDGE (DRY) DISPOSED OF: _____ METRIC TONS/MONTH

(GALLONS x 8.34) x (% SOLIDS / 100) = METRIC TONS

VOLATILE SOLIDS REDUCTION: # FROM WASTE SLUDGE TO DISPOSAL

ULTIMATE METHOD OF DISPOSAL: **3.3 D.T. LANDFILL**

DIGESTER DETENTION TIME: _____

METHOD OF DIGESTION: _____

LIST DAILY SLUDGE DATE IN COLUMNS TO LEFT

*UNIT OPERATIONS - THE ANALYSES BELOW SHOULD BE PERFORMED WHERE APPLICABLE

AERATION OR REAERATION
 SUSPENDED SOLIDS (MLSS)
 SLUDGE VOLUME INDEX (SVI)
 DISSOLVED OXYGEN (DAILY AVERAGE)
 TEMPERATURE
 SLUDGE AGE, FOOD TO MICROORGANISM RATIO
 OF MEAN CELL RESIDENCE TIME

AEROBIC DIGESTER
 SUSPENDED SOLIDS (MLSS)
 SETTLEABLE SOLIDS (1000 ML)
 DISSOLVED OXYGEN (DAILY AVERAGE)
 TEMPERATURE
 PERCENT VOLATILE SOLIDS

ANAEROBIC DIGESTER
 TEMPERATURE
 PH
 VOLATILE ACIDS
 ALKALINITY
 PERCENT VOLATILE SOLIDS (OF SLUDGE)

SLUDGE HANDLING
 HOURS OPERATED
 VOLUME OF SLUDGE REMOVED
 POUNDS OF WET SLUDGE PRODUCED
 MOISTURE CONTENT
 CHEMICALS USED

ENV. FIELD OFFICE
11/15/23

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