

H2S Reading taking at various time last year:

We having problem with our meter and reading was not taken after those months. This are some of the indicative number. Nothing has changed much in the past months to affect H2S production.

- H2S Report:
 - 6/19/2018: 6 ppm @ 10am
4 ppm @ 3:45pm
 - 6/20/2018: 20 ppm @ 8am
 - 6/21/2018: 3 ppm @ 3pm
 - 6/22/2018: N/A

 - H2S Report:
 - June 7: 8am - H2S 18
 - June 8: 8am - H2S 14
 - June 11: 8am - H2S 20 (3:00pm - H2S 26)
 - June 12: 8am - H2S 10

- H2S Reading Utulei Plant:
 - 5/29/18 -11 ppm @ 3pm
 - 5/30/18 - 17 ppm @ 8am
 - 5/31/18 - 12 ppm @ 3pm
 - 6/1/18 - 20 ppm @ 8am
 - 6/4/18 - 16 ppm @ 8am

- H2S Reading Utulei Plant:
 - 5/15/18 Tuesday - 12 ppm @ 3pm
 - 5/16/18 Wednesday - 40 ppm @ 8am
 - 5/17/18 Thursday - 19 ppm @ 3pm
 - 5/18/18 Friday - 26 ppm @ 8am

- H2S Reading Utulei Plant:
 - 4/23/2018 Monday- 8 ppm @ 3pm
 - 4/24/2018 Tuesday -19 ppm @ 8am

Treatment Data: Utulei WW Treatment Plant.

We will use the data for Utulei WW Treatment Plant.

6 June 2018 Report.

Plant Performance																	
Utulei WWTP									Tafuna WWTP								
YEAR	FLOW (MG)		Rainfall	BOD (av 78.3 mg/l)		TSS (av 75mg/l)		pH	YEAR	FLOW (MG)		Rainfall	BOD (av. 100mg/l)		TSS (av 75mg/l)		pH
2018	Mo.	Av.	Inches	Eff. mg/l	% Rem.	Eff. mg/l	% Rem.	Effluent	2018	Mon.	Av.	Inches	Eff. mg/l	% Rem.	Eff. mg/l	% Rem.	Effluent
Jan	58.0	1.90	20.6	65	44.6	43.0	57.2	7.1	Jan	43.6	1.4	17.8	76.0	49.6	51.0	58.4	7.1
Feb	48.5	1.70	25.6	43	48.2	40.0	56.0	7.1	Feb	46.7	1.7	25.4	85.0	41.3	48.0	56.0	7.1
Mar	50.6	1.60	8.3	54.0	46.8	41.0	56.8	7.2	Mar	45.6	1.5	7.8	79.0	46.1	50.0	56.2	7.2
Apr	58.2	1.90	8.9	50	50.4	42.0	57.9	7.1	Apr	49.6	1.7	14.5	73.0	48.3	51.0	56.9	7.3
May									May								
June									June								

System Usage - 2018												
2018	Bay Coll.	UWWTP			Total Bay Coll. & UWWTP Usage/KWH	KWH / MG	Tafuna Coll	TWWTP			TotalTaf Coll. & TWWTP Usage/KWH	KWH / MG
	Usage KWH	Total Plant Rainfall	Total Plant Flow (MG)	Plant Usage/KWH			Usage KWH	Total Plant Flow (MG)	Plant Usage/KWH	Total Plant Rainfall		
Month												
Jan	11,733	20.6	58.8	32,640	44,373	755	21,514	43.6	46,080	17.8	67,594	1,550.3
Feb	12,738	25.6	48.5	32,000	44,738	922	24,887	48.5	16,720	25.4	41,607	857.9
March	9,406	8.3	50.6	42,400	51,806	1,024	20,565	45.6	52,040	7.8	72,605	1,592.2
April	11,317	8.9	58.2	41,920	53,237	915	29,006	49.6	49,400	14.5	78,406	1,580.8

Plant Performance																	
Utulei WWTP									Tafuna WWTP								
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Jan	58.0	1.90	20.6	65	44.6	43.0	57.2	7.1	Jan	43.6	1.4	17.8	76.0	49.6	51.0	58.4	7.1
Feb	48.5	1.70	25.6	43	48.2	40.0	56.0	7.1	Feb	46.7	1.7	25.4	85.0	41.3	48.0	56.0	7.1
Mar	50.6	1.60	8.3	54.0	46.8	41.0	56.8	7.2	Mar	45.6	1.5	7.8	79.0	46.1	50.0	56.2	7.2
Apr	58.2	1.90	8.9	50	50.4	42.0	57.9	7.1	Apr	49.6	1.7	14.5	73.0	48.3	51.0	56.9	7.3
May	54.5	1.80	12.9	60	44.8	40.0	58.8	7.1	May	45.8	1.5	13.3	68.8	52.6	50.0	57.3	7.2
June	47.5	1.60	5.7	64	46.2	38.0	43.6	7.2	June	40.3	1.3	4.0	77.0	52.5	42.0	48.8	7.1
Jul	50.3	1.60	5.7	64	46.8	38.0	43.6	7.1	Jul	42.0	1.4	7.6	75.0	47.0	55.0	50.6	7.1
Aug	45.6	1.50	9.1	62	39.2	38.0	45.6	7.2	Aug	41.0	1.3	8.3	83.0	50.0	45.0	46.7	7.1
Sept	46.4	1.50	10.5	56	42.0	39.0	45.8	7.0	Sept	40.3	1.3	6.9	76.0	41.7	47.0	53.6	7.1

Oct	52.7	1.7	13.3	51	38.5	38	51.5	7.2	Oct	42.3	1.4	11.5	75	44.9	48	48.5	7
Nov	54.5	1.8	15.5	53	49.3	33	53.2	7	Nov	42.9	1.4	10.8	73	55.2	42	53.9	7
Dec	63.8	2.1	24.2	57	43.6	37	49.1	7	Dec	49.3	1.6	22.7	81	47.2	51	51.9	7
Avg.	52.6	1.73	13.4	56.6	45.0	38.9	51.6	7.1	Avg.	44.1	1.5	12.6	76.8	576.4	48.3	53.2	7.1
2019									2019								
Jan	56.1	1.8	9.3	54	50.6	32	49.8	7	Jan	44	1.4	7.8	78	53	42	52.1	7
Feb	62.4	2.2	26.8	45	47.2	36	46.2	7	Feb	45.6	1.6	14.9	76	43.1	46	42.9	7
Mar	57.2	1.8	7.3	57	50.1	35	52.8	7.1	Mar	40.3	1.3	9.4	77	46	39	52.3	7
April	55	1.8	6.6	48	42.6	39	54.6	7	April	41	1.4	14.5	87	42.7	48	41.4	7

System Usage - 2018												
2018 Month	Bay Coll.	UWWTP			Total Bay Coll. & UWWTP Usage/KWH	KWH / MG	Tafuna Coll	TWWTP			TotalTaf Coll. & TWWTP Usage/KWH	KWH / MG
	Usage KWH	Total Plant Rainfall	Total Plant Flow (MG)	Plant Usage/KWH			Usage KWH	Total Plant Flow (MG)	Plant Usage/KWH	Total Plant Rainfall		
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March	9,406	8.3	50.6	42,400	51,806	1,024	20,565	45.6	52,040	7.8	72,605	1,592
April	11,317	8.9	58.2	41,920	53,237	915	29,006	49.6	49,400	14.5	78,406	1,581
May	9,905	12.9	54.0	28,800	38,705	717	22,597	45.0	70,000	13.3	92,597	2,058
June	7,965	5.7	48.0	47,680	55,645	1,159	18,967	39.0	81,800	4.0	100,767	2,584
July	8,820	6.2	50.3	46,080	54,900	1,091	19,095	42.0	97,400	7.6	116,495	2,774
Aug	7,631	9.1	46.5	51,040	58,671	1,262	19,863	40.3	88,000	8.3	107,863	2,677
Sept	7,740	10.5	46.5	47,740	55,480	1,193	19,507	40.3	88,320	6.9	107,827	2,676
Oct	9,390	13.3	52.7	47,360	56,750	1,077	20,904	42.3	66,080	11.5	86,984	2,056
Nov.	9,956	15.5	54.5	42,560	52,516	964	23,478	42.9	69,400	10.8	92,878	2,165
Dec.	12,129	24.2	63.8	52,800	64,929	1,018	26,133	49.3	49,400	22.7	75,533	1,532
Mo. Av.	9,894	13.4	52.7	42,752	52,646	1,008	22,210	44.0	64,553	12.6	86,763	2,008

System Usage 2019												
Jan.	9,509	9.3	56.1	44,160	53,669	956.7	22,304	44.0	35,760	7.8	58,064	1,320
Feb	11,544	26.8	62.4	45,760	57,304	918.3	24,773	45.6	32,800	14.9	57,573	1,263
Mar.	9,257	7.3	58.1	35,840	45,097	776.2	10,798	40	29,080	9.4	39,878	990
April	10,071.0	6.6	55.0	33,440.0	43,511	791.1	8,889.0	41.0	32,520.0	14.5	41,409	1,010