DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When completed mail this report to: Department of Environmental Protection, 2295 Victoria Ave, Suite 364, Ft. Myers Fl, 33901-3875

PERMITTEE NAME: MAILING ADDRESS:	1100 Ken	Florida Keys Aqueduct Authority 1100 Kennedy Blvd. Key West, FL 33040				BER:		FLA567591			Monthly		
	Key West	t, FL 33040			LIMIT: CLASS SIZE:			Final N/A	REPORT FRI PROGRAM:	EQUENCY:	Monthly Domestic		
FACILITY:	Big Copp	itt Key WWTP											
LOCATION:		erseas Highway, US Key, FL 33040	S Mile Marker	9.5	MONITORING MONITORING RE-SUBMITTE	GROUP DESC		R-001 the areas of	Rockland, Big C	Coppitt and Sha	k Key		
COUNTY:	Monroe				NO DISCHARGE FROM SITE:								
OFFICE	South Dis	strict			MONITORING PERIOD: From:			: 07/01/1:	5	. To	o: <u>07/31/15</u>		
Paramete	Parameter Quantity or Loading			Units	Quali	ty or Concent	ration	Units	No. Ex.	Frequency of Analysis	Sample Type		
Flow		Sample Measurement	0.043	0.036						0			
PARM Code 50050 Mon.Site No. FLW-3	1	Permit Requirement	Report (Mo.Avg.)	0.411 (Qt.Avg)	MGD						5 Days/Week	Flow Totalizer	
Flow		Sample Measurement		0.037						0			
PARM Code 50050 Mon.Site No. FLW-3	Y	Permit Requirement		0.323 (An.Avg.)	MGD						5 Days/Week	Flow Totalizer	
BOD, Carbonaceous 5 day, 20C		Sample Measurement					1.9			0			
PARM Code 80082 Mon.Site No. EFA-1	Y	Permit Requirement					20.0 (An.Avg.)		mg/L		Bi-weekly, Every 2 Weeks	8-Hr. FPC	
BOD, Carbonaceous 5 day, 20C		Sample Measurement				8.1	8.1	2.8		0			
PARM Code 80082 Mon.Site No. EFA-1	A	Permit Requirement				60 (Max)	45.0 (Wk.Avg)	30.0 (Mo.Avg.)	mg/L		Bi-weekly, Every 2 Weeks	8-Hr. FPC	
Solids, Total Suspended		Sample Measurement						2.2		0			
PARM Code 00530 Mon.Site No. EFB-1	В	Permit Requirement						5.0 (Max.)	mg/L		4 Days/Week	Grab	
Coliform, Fecal		Sample Measurement						1.0		0			
PARM Code 74055 Mon.Site No. EFA-1	A	Permit Requirement						25 (Max.)	#/100 ml		4 Days/Week	Grab	
I certify under penalty of law that the information submitted. Base knowledge and belief, true, accu	ed on my inquiry	of the person or person	s who manage the	system, or those	persons directly respor	sible for gathering t	he information, the	information subm	itted is, to the best of				
NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					SIGNATURE OF	PRINCIPAL EXECU	TIVE OFFICER O	R AUTHORIZED	AGENT		TELEPHONE NO	DATE (YY/MM/DD)	
Tom Pfiester A15242 Florida Keys Aqueduct											305.809.2622	15/08/25	
COMMENT AND EXPLANAT			e all attachments h	iere):									
CBOD high due to the lab not us	sing the right dilu	itions for testing.											

DISCHARGE MONITORING REPORT - PART A (Continued)

Big Coppitt Key WWTP MONITORING GROUP NUBMER: R-001

FACILITY:

PERMIT NUMBER: FLA567591-004-DW2P 07/01/15 MONITORING PERIOD: From: To: 07/31/15

Parameter			Quantity of	or Loading	Units	Qua	lity or Concentr	ation	Units	No. Ex.	Frequency of Analysis	Sample Type
Coliform, Fecal, % less than detect	ion	Sample Measurement				89%				0		
PARM Code 51005	A	Permit				75			percent		4 Days/Week	Calculated
Mon.Site No. EFA-1		Requirement				(Mo. Total)						
рН		Sample Measurement				6.8		7.2		0		
PARM Code 00400	A	Permit				6.0		8.5	s.u.		5 Days/Week	Grab
Mon.Site No. EFA-1		Requirement				(Min.)		(Max.)				
Total Residual Chlorine (For		Sample				1.0				0		
Disinfection)		Measurement								Ŭ		
	A	Permit Requirement				1.0 (Min.)			mg/L		Continuous	Meter
Mon.Site No. EFA-1						, ,						
Turbidity		Sample Measurement						5.0		na		
PARM Code 0070	В	Permit						Report	NTU		Continuous	Meter
Mon Site No. EFB-1		Requirement						(Max.)				
Flow		Sample Measurement	0.128	0.127						0		
PARM Code 50050	Q	Permit	Report	0.411	MGD						5 Days/Week	Flow Totalizer
Mon.Site.No. FLW-1		Requirement	(Mo.Avg.)	(Qt.Avg)								
Percent Capacity,		Sample						31%		na		
(TMADF/Permitted Capacity) x10	0	Measurement						31 /6				
PARM Code 00180	P	Permit						Report	percent		Monthly	Calculated
Mon.Site No. CAL-1		Requirement						(Mo.Avg.)				
BOD, Carbonaceous 5 day, 20C		Sample						207		na		
(Influent)		Measurement						ъ.			D: 11 E 0	0.1 EDG
	Q	Permit						Report (Max.)	mg/L		Bi-weekly, Every 2 Weeks	8-hr. FPC
Mon.Site No. INF-1		Requirement						(1711111)			TT COLD	
Solids, Total Suspended		Sample Measurement						165		na		
(Influent) PRAM Code 00530	Q							Report	mg/L		Bi-weekly, Every 2	8-hr. FPC
Mon.Site No. INF-1	Q	Permit Requirement						(Max.)	mg L		Weeks	0 III. 11 C
Wion.Site No. INT-1		rtoquiroment										
		1										

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When completed mail this report to: Department of Environmental Protection, 2295 Victoria Ave, Suite 364, Ft. Myers Fl, 33901-3875

PERMITTEE NAME:	Florida Keys Aqueduct Authority				PERMIT	NUMBER:		FLA567591-004-DW2P				
MAILING ADDRESS:	1100 Kenne	edy Blvd.										
	Key West, F	FL 33040			LIMIT:			Final	REPORT FRE	QUENCY:	Monthly	
					CLASS S	IZE:		N/A	PROGRAM:		Domestic	
FACILITY:	Big Coppitt	Key WWTP										
LOCATION:		eas Highway, U	S Mile Marker	r 9.5	MONITO	RING GROUP	NUBMER:	U-001				
		ey, FL 33040					DESCRIPTION:	Disposal to Class	V Injection Well			
	110011111111111111111111111111111111111	,12 220.0				MITTED DMR:	DEBORER FIOTH		, injection (, en			
COLINEY							CITE	Π				
COUNTY:	Monroe					HARGE FROM						
OFFICE:	South Distri	ict			MONITO	RING PERIOD	: From	n: 07/01/	15	- To	07/31/15)
Paramete	r		Quantity	or Loading	Units		Quality or Concen	ntration	Units	No.	Frequency of	Sample Type
T dramete.	•		Quantity	or Louding	Cints		Quanty of Concen	itrution	Cintes	Ex.	Analysis	Sumple Type
Flow (Total)		Sample Measurement		0.099						0		
PARM Code 50050	Y	Permit		0.323	MGD						5 Days/Week	Flow Totalizer
Mon.Site No. FLW-2		Requirement		(An. Avg)								
Flow (Total)		Sample Measurement	0.084	0.091						0		
PARM Code 50050 Mon.Site No. FLW-2	1	Permit Requirement	Report (Mo. Avg,)	0.411 (Qt. Avg.)	MGD						5 Days/Week	Flow Totalizer
BOD, Carbonaceous 5 day, 20C		Sample					1.9			0		
		Measurement					5.0		A		Di servicio Ferrez 2	8-Hr. FPC
PARM Code 80082 Mon.Site No. EFA-1	Y	Permit Requirement					(An.Avg.)		mg/L		Bi-weekly, Every 2 Weeks	6-HI. FFC
BOD, Carbonaceous 5 day, 20C		Sample				8.1	8.1	2.77		1		
		Measurement							_	•		
PARM Code 80082 Mon.Site No. EFA-1	A	Permit Requirement				10 (Max)	7.5 (Wk.Avg)	6.25 (Mo.Avg.)	mg/L		Bi-weekly, Every 2 Weeks	8-Hr. FPC
Solids, Total Suspended		Sample Measurement					2.7			0		
PARM Code 00530	Y	Permit					5.0		mg/L		Bi-weekly, Every 2	8-Hr. FPC
Mon.Site No. EFA-1		Requirement					(An, Avg,)				Weeks	
Solids, Total Suspended		Sample Measurement				4.4	4.4	3.80		0		
PARM Code 00530	A	Permit				10	7.5	6.25	mg/L		Bi-weekly, Every 2	8-Hr. FPC
Mon.Site No. EFA-1		Requirement				(Max)	(Wk.Avg)	(Mo.Avg.)			Weeks	
I certify under penalty of law that					-		-					
the information submitted. Based knowledge and belief, true, accur		-	_			-	-					
NAME/TITLE OF PRINCIPAL	EXECUTIVE OF	FICER OR AUTHO	RIZED AGENT		SIGNATUR	E OF PRINCIPAL	EXECUTIVE OFFICER O	OR AUTHORIZED AGEN	TT		TELEPHONE NO	DATE (YY/MM/DD)
Tom Pfiester A15242 Flo	rida Keys Aqı	ueduct									305.809.2622	15/08/25
COMMENT AND EXPLANATI			ce all attachments	here):								
CBOD high due to the lab not usi	ing the right dilution	ons for testing.										

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Big Coppitt Key WWTP

MONITORING GROUP NUBMER:

U-001

PERMIT NUMBER:

FLA567591-004-DW2P

MONITORING PERIOD:

From:

07/01/15 To:

07/31/15

Paramete	r		Quantity or	Loading	Units	Q	uality or Concentrat	tion	Units	No. Ex.	Frequency of Analysis	Sample Type
Coliform, Fecal		Sample Measurement					0.6			0		
PARM Code 74055 Mon.Site No. EFA-1	Y	Permit Requirement					200 (An. Avg.)		#/100ML		Bi-weekly, Every 2 Weeks	Grab
Coliform, Fecal		Sample Measurement					0.5	1.0		0		
PARM Code 74055 Mon.Site No. EFA-1	A	Permit Requirement					200 (Mo. Geo. Mn.)	800 (Max.)	#/100ML		Bi-weekly, Every 2 Weeks	Grab
pH		Sample Measurement				6.8		7.2		0		
PARM Code 00400 Mon.Site No. EFA-1	A	Permit Requirement				6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab
Chlorine, Total Residual (For Disinfection)		Sample Measurement				0.6				0		
PARM Code 50060 Mon.Site No. EFA-1	A	Permit Requirement				0.5 (Min.)			mg/L		5 Days/Week	Grab
Nitrogen, Total		Sample Measurement					2.1			0		
PARM Code 00600 Mon.Site No. EFA-1	Y	Permit Requirement					3.0 (An. Avg.)		mg/L		Bi-weekly, Every 2 Weeks	8-hr. FPC
Nitrogen, Total		Sample Measurement				2.4	1.6	1.78		0		
PARM Code 00600 Mon.Site No. EFA-1	A	Permit Requirement				6.0 (Max)	4.5 (Wk.Avg)	3.75 (Mo.Avg.)	mg/L		Bi-weekly, Every 2 Weeks	8-hr. FPC
Phosphorus, Total (as P)		Sample Measurement					0.6			0		
PARM Code 00665 Mon.Site No. EFA-1	Y	Permit Requirement					1.0 (An. Avg.)		mg/L		Bi-weekly, Every 2 Weeks	8-Hr. FPC
Phosphorus, Total (as P)		Sample Measurement				0.9	0.9	0.80		0		
PARM Code 00665 Mon.Site No. EFA-1	A	Permit Requirement				2.0 (Max)	1.5 (Wk.Avg)	1.25 (Mo.Avg.)	mg/L		Bi-weekly, Every 2 Weeks	8-Hr. FPC

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

FLA567591-004-DW2P

PERMIT NUMBER:

When completed mail this report to: Department of Environmental Protection, 2295 Victoria Ave, Suite 364, Fl, 33901-3875

Florida Keys Aqueduct Authority

1100 Kennedy Blvd.

PERMITTEE NAME:

MAILING ADDRESS:

Key West, FL 33040			LIMIT:			Fina		REPORT:	•					
					CLASS SIZ	ZE:		N/A		GROUP:	DUP: Domestic			
FACILITY:	Big Coppitt Key													
LOCATION:	9500 Overseas		Mile Marker	9.5	MONITOR	RING GROUP N	UBMER:	RM	RMP-Q					
	Rockland Key,	FL 33040			MONITOR	RING GROUP D	ESC:	Biosolids Quantity						
					RE-SUBM	ITTED DMR:								
COUNTY:	Monroe				NO DISCH	HARGE FROM S	SITE:							
OFFICE:	South District				MONITOR	RING PERIOD:	Fro	om:	07/01/15		To:	07/31/15		
Paramete	er		Quantity	or Loading	Units Quality or Concentration Uni				Units	No. Ex.	Frequency of Analysis	Sample Type		
Biosolids Quantuty (Received)		ample Measurement		7.13							LA.	7 Hidiysis		
PARM Code B0002 +		ermit		Report	ton (d)							Monthly	Calculated	
Mon.Site No. RMP-001		lequirement		(Mo. Total)								Monany	Calculated	
Biosolids Quantuty (Transfered		ample Ieasurement		0.00										
PARM Code B0002 +		ermit		Report (Mo. Total)	ton (d)							Monthly	Calculated	
Mon.Site No. RMP-002		lequirement		(MO. Total)								, and the second		
Biosolids Quantuty (Landfilled)		ample Ieasurement		6.16										
PARM Code B0002 +		ermit		Report (Mo. Total)	ton (d)							Monthly	Calculated	
Mon.Site No. RMP-003	R	lequirement		(WO. Total)										
								-						
the information submitted. Bas	ed on my inquiry of the	person or perso	ns who manage tl	ne system, or thos	e persons direct	ly responsible for gat	hering the inform	ation, the	information sub	mitted is, to the h	est of my			
knowledge and belief, true, accu			_	•							•			
NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT							TELEPHONE NO	DATE (YY/MM/DD)	
Tom Pfiester A15242 Flo	orida Keys Aquedu	ıct										305.809.2622	15/08/25	
COMMENT AND EXPLANAT			ce all attachment	s here):										
CBOD high due to the lab not u	ising the right dilutions	for testing.												

DAILY SAMPLE RESULTS - PART B

PERMIT NUMBER: FLA567591-004-DW2P FACILITY: Big Coppitt Key WWTP

MONITORING PERIOD: From: 07/01/15 To: 07/31/15

	BOD, Carbonaceous 5 day, 20 C mg/L	Chlorine, Total Residential (For Disinfection) mg/L	Coliform Fecal (#/100ML)	Nitrogen Total (MG/L)	Phosphorus, Total (as P) mg/L	Solids, Total Suspended mg/L	pH s.u.	Solids, Total Suspended mg/L	Turbidity NTU	
Code	80082	50060	74055	00600	00665	00530	00400	00530	00070	
Mon.Site	EFA-1	EFA-1	EFA-1	EFA-1	EFA-1	EFA-1	EFA-1	EFB-1	EFB-1	
1	8.09	1.03	<1	1.60	0.72	4.40	7.0	2.00	1.64	
2		1.15	<1				6.9	2.20	1.72	
3		1.22	<1				6.9	1.80	2.78	
4		2.07					6.8		1.06	
5		2.38					7.0		0.90	
6		1.22					6.9		5.00	
7		1.03	<1				6.9	1.80	2.05	
8		1.02	<1				7.0	1.60	0.56	
9		1.01	1.00				7.2	1.00	0.90	
10		1.81	1.00				6.9	1.40	1.54	
11		1.32					7.0		0.94	
12		1.14					7.0		0.63	
13		1.02					6.9		5.00	
14		1.06	<1				7.0	1.00	3.31	
15	<2	1.07	<1	1.38	0.90	3.40	7.0	2.00	1.00	
16		1.44	<1				6.8	1.20	1.56	
17		1.11	<1				6.9	1.40	1.77	
18		1.06					7.1		0.57	
19		1.28					7.0		5.00	
20		1.06					6.9		0.54	
21	<2	1.33	<1				6.9	<1	0.84	
22		1.26	<1				7.0	1.80	1.36	
23		1.05	<1				6.9	1.40	4.11	
24		1.22	<1				7.0	2.00	5.00	
25		1.00					7.1		0.63	
26		3.08					7.1		1.03	
27		1.36	<1				7.0	1.60	2.16	
28		1.22	<1				7.1	<1	0.92	
29	<2	1.12	<1	2.36	0.78	3.60	7.0	1.20	0.53	
30		1.12	<1				6.9	1.80	3.83	
31		1.34					7.1		2.36	
Total										
Mo.Avg.	2.77	1.31	0.55	1.78	0.80	3.80	7.0	1.48	1.98	

31		1.34					7.1		2.30	
Total										
Mo.Avg.	2.77	1.31	0.55	1.78	0.80	3.80	7.0	1.48	1.98	
PLANT STA	AFFING:									
Day Shift O	perator	Class:		Certificate No:			Name:			
Evening Shi	ft Operator	Class:		Certificate No:			Name:			
Night Shift (Operator	Class:		Certificate No:			Name:			
Lead Operat	tor	Class:	A	Certificate No:	15282		Name:		Teddy Knowles	

DAILY SAMPLE RESULTS - PART B

PERMIT NUMBER: PERMITTEE NAME: FACILITY: Big Coppit Key WWTP

MONITORING PERIOD: From: 07/01/15 To: 07/31/15

	Flow MGD	Flow MGD	Flow MGD	BOD, Carbonaceous 5 day, 20 C mg/L	Solids, Total Suspended (Influent) mg/L			
Code	50050	50050	50050	80082	00530			
Mon.Site	FLW-1	FLW-2	FLW-3	INF-1	INF-1			
1	0.125	0.076	0.026	207	165			
2	0.111	0.103	0.039					
3	0.130	0.111	0.028					
4	0.127	0.084	0.036					
5	0.124	0.088	0.047					
6	0.109	0.074	0.037					
7	0.094	0.078	0.042					
8	0.081	0.070	0.031					
9	0.121	0.079	0.045					
10	0.118	0.081	0.053					
11	0.130	0.063	0.039					
12	0.090	0.099	0.065					
13	0.110	0.069	0.056					
14	0.114	0.086	0.064					
15	0.125	0.017	0.049	174	118			
16	0.129	0.084	0.061					
17	0.121	0.058	0.041					
18	0.125	0.103	0.034					
19	0.136	0.105	0.050					
20	0.094	0.081	0.044					
21	0.117	0.088	0.049					
22	0.143	0.068	0.039					
23	0.156	0.094	0.043					
24	0.120	0.070	0.034					
25	0.150	0.103	0.029					
26	0.181	0.117	0.043					
27	0.132	0.087	0.035					
28	0.128	0.104	0.046					
29	0.223	0.067	0.037	115	120			
30	0.169	0.111	0.046					
31	0.123	0.073	0.056					
Total	3.956	2.591	1.344					
Mo.Avg.	0.128	0.084	0.043	165	134			

PLANT STAFFING:						
Day Shift Operator	Class:		Certificate No:		Name:	
Evening Shift Operator	Class:		Certificate No:		Name:	
Night Shift Operator	Class:		Certificate No:		Name:	
Lead Operator	Class:	A	Certificate No:	15282	Name:	Teddy Knowles