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:	Florida Keys Aqueduct Authority 1100 Kennedy Blvd.	PERMIT NUMBER:	FLA567591-004-DW2P				
	Key West, FL 33040	LIMIT: CLASS SIZE:	Final N/A	REPORT FREQUENCY: PROGRAM:	Monthly Domestic		
FACILITY:	Big Coppitt Key WWTP	CELISS SIZE.	14/11	TROGRAM.	Domestic		
LOCATION:	9500 Overseas Highway, US Mile Marker 9.5 Rockland Key, FL 33040	MONITORING GROUP NUBMER: MONITORING GROUP DESCRIPTION: RE-SUBMITTED DMR:	R-001 the areas of	Rockland, Big Coppitt and Shar	rk Key		
COUNTY:	Monroe	NO DISCHARGE FROM SITE:					
OFFICE	South District	MONITORING PERIOD: From	n: <u>09/01/1</u>	5 To	09/30/15		

Parameter		Quantity or Loading		ading Units	Qual	ty or Concentr	ration	Units	No. Ex.	Frequency of Analysis	Sample Type	
Flow		Sample Measurement	0.040	0.042						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		0.039						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					2.2			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				<2	<2	1.0		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						12.4		4		
PARM Code 00530 Mon.Site No. EFB-1	В	Permit Requirement						5.0 (Max.)	mg/L		4 Days/Week	Grab
Coliform, Fecal		Sample Measurement						8.0		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 this document and all attachments were prepared under my direction or supervision in accordance with the system designed to assure that qualified personnel properly gater and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (YY/MM/DD)
Jay Miller 22875 Florida Keys Aqueduct		305.809.2622	15/10/26

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

High salinity readings coming into the plant and killed my microganisms. Had to add more bo mass to the process to compensate the problem. The salinity is gradually going down are we are finding out were it is coming from in the collection system. This is why we had high TSS for that week of samples.

DISCHARGE MONITORING REPORT - PART A (Continued)

Big Coppitt Key WWTP MONITORING GROUP NUBMER:

FACILITY:

R-001 From: PERMIT NUMBER: FLA567591-004-DW2P

MONITORING PERIOD:

09/01/15

To:

09/30/15

Parameter			Quantity or Loading		Units	Qua	lity or Concentr	ration	Units	No. Ex.	Frequency of Analysis	Sample Type
Coliform, Fecal, % less than detecti		imple easurement				89%				0	. ,	
PARM Code 51005 Mon.Site No. EFA-1		ermit equirement				75 (Mo. Total)			percent		4 Days/Week	Calculated
рН		imple easurement				6.6		7.4		0		
PARM Code 00400 Mon.Site No. EFA-1		ermit equirement				6.0 (Min.)		8.5 (Max.)	s.u.		5 Days/Week	Grab
Total Residual Chlorine (For Disinfection)	Sa	imple easurement				1.0				0		
·		ermit equirement				1.0 (Min.)			mg/L		Continuous	Meter
Turbidity		imple easurement						5.6		na		
PARM Code 0070 Mon Site No. EFB-1		ermit equirement						Report (Max.)	NTU		Continuous	Meter
Flow		imple easurement	0.146	0.136						0		
PARM Code 50050 Mon.Site.No. FLW-1		ermit equirement	Report (Mo.Avg.)	0.411 (Qt.Avg)	MGD						5 Days/Week	Flow Totalizer
Percent Capacity, (TMADF/Permitted Capacity) x100		imple easurement						33%		na		
PARM Code 00180 Mon.Site No. CAL-1		ermit equirement						Report (Mo.Avg.)	percent		Monthly	Calculated
BOD, Carbonaceous 5 day, 20C (Influent)		imple easurement						161		na		
PARM Code 80082 Mon.Site No. INF-1		ermit equirement						Report (Max.)	mg/L		Bi-weekly, Every 2 Weeks	8-hr. FPC
Solids, Total Suspended (Influent)		imple easurement						180		na		
PRAM Code 00530 Mon.Site No. INF-1		ermit equirement						Report (Max.)	mg/L		Bi-weekly, Every 2 Weeks	8-hr. FPC

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

FLA567591-004-DW2P

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

Florida Keys Aqueduct Authority

PERMITTEE NAME:

	y1						
MAILING ADDRESS:	1100 Kennedy Blvd.						
	Key West, FL 33040	LIMIT:	Fi	inal	REPORT FREQUENCY:	Monthly	
		CLASS SIZE:	N.	7/A	PROGRAM:	Domestic	
FACILITY:	Big Coppitt Key WWTP						
LOCATION:	9500 Overseas Highway, US Mile Marker 9.5	MONITORING GROUP NUBMER:	U	-001			
	Rockland Key, FL 33040	MONITORING GROUP DESCRIPTION	N: D	isposal to Class V	Injection Well		
		RE-SUBMITTED DMR:					
COUNTY:	Monroe	NO DISCHARGE FROM SITE:					
OFFICE:	South District	MONITORING PERIOD:	From:	09/01/15	5 T	o:	09/30/15
						·	

PERMIT NUMBER:

Paramete	Parameter		Quantity or Load		Units	(Quality or Concentr	ration	Units	No. Ex.	Frequency of Analysis	Sample Type
Flow (Total)		Sample Measurement		0.099						0		
PARM Code 50050 Mon.Site No. FLW-2	Y	Permit Requirement		0.323 (An. Avg)	MGD						5 Days/Week	Flow Totalizer
Flow (Total)		Sample Measurement	0.101	0.093						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 Measurement					2.2			0		
PARM Code 80082 Mon.Site No. EFA-1	Y	Permit Requirement					5.0 (An.Avg.)		mg/L		Bi-weekly, Every 2 Weeks	8-Hr. FPC
BOD, Carbonaceous 5 day, 20C		Sample Measurement				<2	<2	1.00		0		
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					3.1			0		
PARM Code 00530 Mon.Site No. EFA-1	Y	Permit Requirement					5.0 (An, Avg,)		mg/L		Bi-weekly, Every 2 Weeks	8-Hr. FPC
Solids, Total Suspended		Sample Measurement				6.6	6.6	5.20		0		
PARM Code 00530 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

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with the system designed to assure that qualified personnel properly gater and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (YY/MM/DD)
Jay Miller 22875 Florida Keys Aqueduct Authority		305.809.2622	15/10/26

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

High salinity readings coming into the plant and killed my microganisms. Had to add more bo mass to the process to compensate the problem. The salinity is gradually going down are we are finding out were it is coming from in the collection system. This is why we had high TSS for that week of samples.

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Big Coppitt Key WWTP

MONITORING GROUP NUBMER:

U-001

PERMIT NUMBER:

09/01/15

FLA567591-004-DW2P

MONITORING PERIOD:

From:

To: 09/30/15

Quantity or Loading Units Quality or Concentration Units No. Frequency of Sample Type Parameter Ex. Analysis Coliform, Fecal Sample 0 0.6 Measurement 200 #/100ML Bi-weekly, Every 2 Weeks Grab PARM Code 74055 Permit (An. Avg.) Requirement Mon.Site No. EFA-1 Coliform, Fecal Sample 0.6 8.0 Measurement 200 800 #/100ML Bi-weekly, Every 2 Weeks Permit PARM Code 74055 (Mo. Geo. Mn.) (Max.) Requirement Mon.Site No. EFA-1 рΗ Sample 0 6.6 7.4 Measurement 5 Days/Week PARM Code 00400 6.0 8.5 s.u. Grab Permit (Min.) (Max.) Requirement Mon.Site No. EFA-1 Chlorine, Total Residual (For Sample 0.6 Measurement Disinfection) PARM Code 50060 0.5 mg/L 5 Days/Week Grab Permit (Min.) Mon.Site No. EFA-1 Requirement Nitrogen, Total Sample 2.1 Measurement 3.0 Bi-weekly, Every 2 Weeks 8-hr. FPC PARM Code 00600 mg/L Permit (An. Avg.) Mon.Site No. EFA-1 Requirement Nitrogen, Total Sample 0 2.8 2.8 2.45 Measurement 3.75 8-hr. FPC 6.0 4.5 Bi-weekly, Every 2 Weeks PARM Code 00600 mg/L Permit (Max) (Wk.Avg) (Mo.Avg.) Mon.Site No. EFA-1 Requirement Phosphorus, Total (as P) Sample 0.7 0 Measurement 1.0 Bi-weekly, Every 2 Weeks PARM Code 00665 mg/L 8-Hr. FPC Permit (An. Avg.) Mon.Site No. EFA-1 Requirement Phosphorus, Total (as P) Sample 1.0 1.0 0.69 Measurement 2.0 1.5 1.25 Bi-weekly, Every 2 Weeks 8-Hr. FPC PARM Code 00665 mg/L Α Permit (Wk.Avg) (Mo.Avg.) Mon.Site No. EFA-1 Requirement

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

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

PERMITTEE NAME:	PERMITTEE NAME: Florida Keys Aqueduct Authority MAILING ADDRESS: 1100 Kennedy Blvd.			PERMIT NUMBER: FLA567.			FLA567591-0	FLA567591-004-DW2P				
MAILING ADDRESS:		-						F. 1	DED ODE			
	Key West, FL	. 33040			LIMIT:	175		Final	REPORT:		Monthly	
	ni a iur				CLASS S	IZE:		N/A	GROUP:		Domestic	
FACILITY:	Big Coppitt K	•										
LOCATION:		ıs Highway, US	S Mile Marker	9.5		RING GROUP N		RMP-Q				
	Rockland Key	y, FL 33040			MONITORING GROUP DESC: Biosolids Quantity							
					RE-SUBN	MITTED DMR:						
COUNTY:	Monroe				NO DISC	NO DISCHARGE FROM SITE:						
OFFICE:	South District	t			MONITO	MONITORING PERIOD: From: 09/01/15			15	To:	09/30/15	
Paramete	er	Quantity or Loading				Qual	ity or Conce	entration	Units	No. Ex.	Frequency of Analysis	Sample Type
Biosolids Quantuty (Received)		Sample Measurement		4.43							í	
PARM Code B0002 +		Permit		Report	ton (d)						Monthly	Calculated
Mon.Site No. RMP-001		Requirement		(Mo. Total)								Culculated
Biosolids Quantuty (Transfered	.)	Sample Measurement		0.00								
PARM Code B0002 + Mon.Site No. RMP-002		Permit Requirement		Report (Mo. Total)	ton (d)						Monthly	Calculated
Biosolids Quantuty (Landfilled))	Sample Measurement		12.81								
PARM Code B0002 + Mon.Site No. RMP-003		Permit Requirement		Report (Mo. Total)	ton (d)						Monthly	Calculated
the information submitted. Bas knowledge and belief, true, acci		-	_	-	-		-					
knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitt NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT S					FICER OR AUTHORIZ			TELEPHONE NO	DATE (YY/MM/DD)			
1											ĺ	1

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):

Jay Miller 22875 Florida Keys Aqueduct Authority

High salinity readings coming into the plant and killed my microganisms. Had to add more bo mass to the process to compensate the problem. The salinity is gradually going down are we are finding out were it is coming from in the collection system. This is why we had high TSS for that week of samples.

305.809.2622

15/10/26

DAILY SAMPLE RESULTS - PART B

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

MONITORING PERIOD: From: 09/01/15 To: 09/30/15

	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		1.00	<1				6.7	1.60	1.12	
2		1.00	<1				7.0	4.20	1.09	
3		1.09	<1				6.7	3.00	3.76	
4		1.12					7.0		0.90	
5		1.57					6.8		0.70	
6		2.40					6.8		0.63	
7		2.04					6.8		5.00	
8		1.05	<1				6.9	4.40	0.54	
9	<2	1.05	<1	2.82	0.99	6.60	7.0	2.80	0.53	
10		1.05	<1				7.0	1.60	2.16	
11		1.03	<1				6.9	3.80	1.54	
12		1.12					6.6		1.01	
13		1.09					6.8		1.65	
14		1.00	<1				6.9	8.80	5.00	
15		1.07	<1				6.8	2.20	5.00	
16		1.00	<1				6.9	2.60	5.00	
17		2.54	<1				7.2	2.00	3.87	
18		2.11					7.1		5.00	
19		2.25					7.4		3.56	
20		1.00					7.1		3.03	
21		1.17	<1				6.9	4.60	5.62	
22		1.08	<1				6.9	2.00	2.94	
23	<2	1.01	<1	2.08	0.39	3.80	7.1	<1	0.47	
24		1.06	<1				6.8	3.00	3.87	
25		1.15					6.8		1.10	
26		1.10					7.3		2.93	
27		1.49					6.9		4.98	
28		1.51	<1				6.8	7.20	3.55	
29		1.27	1.00				6.8	6.20	3.43	
30		1.32	8.00				6.9	12.40	3.69	
31		-								
Total										
Mo.Avg.	1.00	1.32	0.94	2.45	0.69	5.20	6.9	4.05	2.79	

Mo.Avg.	1.00	1.32	0.94	2.45	0.69	5.20	6.9	4.05	2.79	
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 Coppitt Key WWTP

MONITORING PERIOD: From: 09/01/15 To: 09/30/15

	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	0.133	0.099	0.052					
2	0.131	0.091	0.038					
3	0.120	0.094	0.041					
4	0.118	0.088	0.037					
5	0.145	0.084	0.031					
6	0.130	0.087	0.052					
7	0.169	0.079	0.039					
8	0.135	0.085	0.049					
9	0.124	0.077	0.044	154	180			
10	0.095	0.075	0.051					
11	0.130	0.072	0.037					
12	0.131	0.100	0.036					
13	0.144	0.076	0.062					
14	0.128	0.065	0.041					
15	0.141	0.096	0.034					
16	0.160	0.122	0.035					
17	0.194	0.101	0.026					
18	0.144	0.117	0.032					
19	0.145	0.146	0.025					
20	0.152	0.119	0.047					
21	0.139	0.102	0.036					
22	0.125	0.090	0.053					
23	0.146	0.084	0.030	161	138			
24	0.134	0.091	0.047					
25	0.124	0.102	0.034					
26	0.157	0.125	0.037					
27	0.248	0.141	0.035					
28	0.191	0.167	0.029					
29	0.179	0.125	0.040					
30	0.173	0.140	0.041					
31								
Total	4.385	3.040	1.191					
Mo.Avg.	0.146	0.101	0.040	158	159			

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