

# 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  
MAILING ADDRESS: 1100 Kennedy Blvd.  
Key West, FL 33040

PERMIT NUMBER: FLA567591-004-DW2P

LIMIT: Final  
CLASS SIZE: N/A  
REPORT FREQUENCY: Monthly  
PROGRAM: Domestic

FACILITY: Big Coppitt Key WWTP  
LOCATION: 9500 Overseas Highway, US Mile Marker 9.5  
Rockland Key, FL 33040

MONITORING GROUP NUBMER: R-001  
MONITORING GROUP DESCRIPTION: the areas of Rockland, Big Coppitt and Shark Key

RE-SUBMITTED DMR: ☐

COUNTY: Monroe

NO DISCHARGE FROM SITE: ☐

OFFICE: South District

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

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Flow	Sample Measurement	0.040	0.042						0		
PARM Code 50050 Mon.Site No. FLW-3	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	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	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	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	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	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 gather 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)

FACILITY: Big Coppitt Key WWTP

MONITORING GROUP NUBMER:

R-001

PERMIT NUMBER: FLA567591-004-DW2P

MONITORING PERIOD:

From: 09/01/15

To: 09/30/15

[illegible]

# 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 Kennedy Blvd. Key West, FL 33040	LIMIT:	Final	REPORT FREQUENCY:	Monthly
		CLASS SIZE:	N/A	PROGRAM:	Domestic
FACILITY:	Big Coppitt Key WWTP	MONITORING GROUP NUBMER:	U-001		
LOCATION:	9500 Overseas Highway, US Mile Marker 9.5 Rockland Key, FL 33040	MONITORING GROUP DESCRIPTION:	Disposal to Class V Injection Well		
		RE-SUBMITTED DMR:	<input type="checkbox"/>		
COUNTY:	Monroe	NO DISCHARGE FROM SITE:	<input type="checkbox"/>		
OFFICE:	South District	MONITORING PERIOD:	From:	09/01/15	To: 09/30/15

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Flow (Total)	Sample Measurement		0.099						0		
PARM Code 50050 Y Mon.Site No. FLW-2	Permit Requirement		0.323 (An. Avg)	MGD						5 Days/Week	Flow Totalizer
Flow (Total)	Sample Measurement	0.101	0.093						0		
PARM Code 50050 I Mon.Site No. FLW-2	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 Y Mon.Site No. EFA-1	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 A Mon.Site No. EFA-1	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 Y Mon.Site No. EFA-1	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 A Mon.Site No. EFA-1	Permit Requirement				10 (Max)	7.5 (Wk.Avg)	6.25 (Mo.Avg.)	mg/L		Bi-weekly, Every 2 Weeks	8-Hr. FPC

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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 microorganisms. 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.

FACILITY:	Big Coppitt Key WWTP	MONITORING GROUP NUMBER:	U-001	PERMIT NUMBER:	FLA567591-004-DW2P
		MONITORING PERIOD:	From: 09/01/15	To: 09/30/15	

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

PERMITTEE NAME:	Florida Keys Aqueduct Authority	PERMIT NUMBER:	FLA567591-004-DW2P		
MAILING ADDRESS:	1100 Kennedy Blvd. Key West, FL 33040	LIMIT:	Final	REPORT:	Monthly
		CLASS SIZE:	N/A	GROUP:	Domestic
FACILITY:	Big Coppitt Key WWTP	MONITORING GROUP NUBMER:	RMP-Q		
LOCATION:	9500 Overseas Highway, US Mile Marker 9.5 Rockland Key, FL 33040	MONITORING GROUP DESC:	Biosolids Quantity		
		RE-SUBMITTED DMR:	<input type="checkbox"/>		
COUNTY:	Monroe	NO DISCHARGE FROM SITE:	<input type="checkbox"/>		
OFFICE:	South District	MONITORING PERIOD:	From:	09/01/15	To: 09/30/15

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Biosolids Quantity (Received)	Sample Measurement		4.43								
PARM Code B0002 + Mon.Site No. RMP-001	Permit Requirement		Report (Mo. Total)	ton (d)						Monthly	Calculated
Biosolids Quantuty (Transferred)	Sample Measurement		0.00								
PARM Code B0002 + Mon.Site No. RMP-002	Permit Requirement		Report (Mo. Total)	ton (d)						Monthly	Calculated
Biosolids Quantity (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. 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.

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Jay Miller 22875 Florida Keys Aqueduct Authority		305.809.2622	15/10/26

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## 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	

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

## 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