State of Florida



Public Service Commission

CAPITAL CIRCLE OFFICE CENTER • 2540 SHUMARD OAK BOULEVARD TALLAHASSEE, FLORIDA 32399-0850

-M-E-M-O-R-A-N-D-U-M-

DATE:

February 11, 2019

TO:

Adam J. Teitzman, Commission Clerk, Office of Commission Clerk

FROM:

Luis Salvador, Engineering Specialist I, Division of Engineering

RE:

Docket No. 20180218-SU - Application for staff-assisted rate case in Brevard

County by TKCB, Inc.

Please file the attached email communications between staff and Mr. Small, in the above mentioned docket file.

Thank you.

LS/jp

Attachment

Luis Salvador

From:

Emily Knoblauch

Sent:

Monday, February 11, 2019 10:07 AM

To:

Luis Salvador; Jeff Doehling

Cc:

Robert Graves

Subject:

FW: TKCB Follow Up Response to Sludge Haul Question

Attachments:

Response Sludge Question.pdf

Regarding the sludge removal expense.

From: Jeff Small [mailto:jeffsmall@ocboa.net]
Sent: Monday, February 11, 2019 10:02 AM

To: Emily Knoblauch **Cc:** Jeff Small

Subject: TKCB Follow Up Response to Sludge Haul Question

Good morning Emily,

Please see the attached response to questions that you had during our telephone conversation last Friday (2/8). If you need any additional information please let me know.

Thanks

--

Jeffery Small OCBOA Consulting, LLC 407-377-5400

Associate Member of the Florida Rural Water Association

TKCB, Inc.
Docket No. 20180218-SU
Staff Assisted Rate Case

Follow-up response to Staff's inquire of TKCB's Sludge Hauling activities during July 2017

Our initial response to Staff's First Data Request Item Number 3 indicates that FPL paid for the transport of two sludge hauls due to electrical issues at the wastewater plant due to the effects of Hurricane Irma. After further review of this issue TKCB wishes to correct our initial response.

Hurricane Irma impacted the State of Florida and TKCB's service area on September 10-11, 2017. This event has no relation to the issue discussed below.

On July 24, 2017, TKCB's wastewater plant suffered a power failure that lasted multiple days due to an FPL transformer failure. Due to this failure it was necessary to pump the plant. The operator negotiated the hauling of two loads of sludge by FPL.

The All Service Sanitation support provided to Staff for this incident is an "Estimate" document that was given to FPL by TKCB. A copy was retained for our record. The original invoice was sent to FPL for payment.

Supporting Documents

- Attached July 2017 DMR with operator notes filed with DEP.
- July 28, 2017, All Service sanitation "Estimate" included in response to Staff's Data Request No. 1 Item No. 3
- August 2017 Operator Invoice with notes included in response to Staff's Data Request No. 1 Item No. 3

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this	report to: Department of Environmental Protection, 3	319 Maguire Blvd, Suite 232, Orlando, FL 32803-3767	1	- ••	
PERMITTEE NAME: MAILING ADDRESS:	Sun Lake Estates Homeowners Association 5600 N US Highway 1	PERMIT NUMBER:	FLA010353-006-DW3P	Effective Date:	October 28, 2015
	Cocoa, Florida 32927-	LIMIT: CLASS 8IZE:	Final	Expiration Date: REPORT FREQUENCY:	October 27, 2020 Monthly
FACILITY: LOCATION:	Sun Lake Estates WWTP 616 Emerald Lake Drive Cocca, FL 32926-4648	MONITORING GROUP NUMBER: MONITORING GROUP DESCRIPTION; RE-SUBMITTED DMR:	N/A R-001 Rapid Infiltration Basin, inclu	PROGRAM:	Domestic
COUNTY: OFFICE:	Brevard Central District	NO DISCHARGE FROM SITE: MONITORING PERIOD From:	07-01-17To:	07-31-17	

Parameter		Quantity or Londing			Quality or Concentrat	lan	Units	No.		Sample Type
Flow (Flow to R-001)	Sample	427	(July)			r	+	Ex.	Analysis	100 - 100
PARM Code 50050 Y	Measurement Permit	:036					1.	19	Shypueck	Flow daliz
Mon. Site No. FLW-1	Requirement	0.099 (An.Ave.	MGD	ł		ſ		6	5 Doys/Week	Flow Totalizer
Plow (Flow to R-001)	Sample			 		ļ		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	<u></u>	
	Measurement	029	1/2/)	Ì				0	Destweek	Flow Total, 2
PARM Code 50050 1	Permit	Report	MGD				+	+		Flow Totalizer
Mon. Site No. FLW-1	Requirement	(Mo.Avg.	<u> </u>				į.	0	5 Days/Week	riow lownzer
BOD, Carbonaceous 5 day, 20C	Sample Measurement			[607		T 7	17	12 /11.	Ent
PARM Code 80082 Y	Pormit				5.07		mel	17	Monthly	Crap
Mon. Site No. EFA-1	Requirement		l		20.0 (An.Avg.)		mg/L	10	Monthly	Gusp
BOD, Carbonaceous 5 day, 20C	Sample			(/)		4-	 	+	13.1 11.1	
PARM Code 80082 A	Measurement			42	1/2	42	inal	0	Monthly	Estato
Mon. Site No. EFA-1	Permit Requirement	Ī	1	60.0	45.0	30.0	, may L	1	Monthly /	Grab
Solids, Total Suspended	Sample			(Max.)	(Max.Wk.Avg.)	(Mo.Avp.)		9		
• •	Measurement			ł	6.49		mal	1	Monthly	Grab
PARM Code 00530 Y	Pomit				20.0		men.	 		
Mon. Sito No. EFA-1	Requirement				(An.Avg.)		""	0	Monthly!	Grab
Solids, Total Suspended	Sample	į		10				+	1-1	
PARM Code 00530 A	Measurement			15	15	15	May L	0	Monthly	Grub
Mon. Sito No. BFA-1	Pomit	j		60.0	45.0	30.0	satu/L	1	Monthly	Grab
	Requirement			(Max.)	(Man.Wk.Avg.)	(Mo.Avg.)	I	10		

I certify under penalty of law that this document and all attachments were propered under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gafust 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.

VANAPORTO OPPORTORIAL PROPERTY				40,
NAME/TITLE OF PRINCIPAL EXECUTIVE OF	ICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIS	ZED AGENT TELEPHONE NO	DATE (mm/dd/yyry)
Jerry Fadrick	operator	H	321-508-4714	8-2417
COMMENT AND EXPLANATION OF ANY V	IOLATIONS (Reference all attachment	a hore);		1 / /
Please Note: labor	culd not Run Fecal	due To Kesidual WAS TOO MIGH.	In That problem.	Effluent was Real
of Plantwas off A di	ly and the halt	t due To Residual WAS too high. Tincreased Cla To Cempens Ale. RECEIVED	70	
ISSUANCE/REISSUANCE DATE: August 6 20	I	1 AUG 2 8 2017		entale Wa

ISSUANCE/REISSUANCE DATE: August 6, 2015

DMR EPFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

DEP Central Dist.

DEP Form 62-620.910(10), Effective Nov. 29, 1994

DISCHARGE MONITORING REPORT - PART A (Continued)

PACILITY:

Sun Lake Estates WWTF

MONITORING GROUP NUMBER:

R-001

PERMIT NUMBER: FLA010353-006-DW3P

MONITORING PERIOD

Prom: 07-01-17 To: 07-31-17

Parameter		Quantity or Loading Units Quality or Concentration		lion	Unite	No.	Frequency of	Sample Type		
Coliform, Fecal	Sample		1		,			Ex.	Analysis	
	Measurement			1	1 1	ł	Home	11	13 115	1
PARM Code 74055 Y	Permit				200	 	7778 pul	14	Monthly	Gas
Mon. Site No. EPA-1	Requirement		Í		(An.Ayg.)	ļ	, #100ml	10	Monthly	Grab
Coliform, Feesl	Semple		 		(AULAYE)		4	1 4	 	
	Mansurement		ł	Sec. [(1)	not	Run	FIRML	0	Marthe .	1
PARM Code 74055 A	Permit		 	7 (17	Report	800	11 VAL		16 17 11 s	(-754 de
Mon. Site No. EFA-1	Requirement		l	, i	(Mo.Geo.Mr.)	(Max)	#/100ml	d	Monthly	Grab
pH H	Sample				//www.oeoume/	(Mark)		<u>'</u> _		
	Measurement]	7.1	I	7:3	Sille	Q.	Develver	1. 6.1-
PARM Code 00400 A	Permit			6.0		8.5		1.	الم اعن المدين ال	Gab
Mon. Site No. RPA-1	Requirement		Į į	(Min.)	Ì	(Max.)	9.00.	0	5 Daye/Wook	Grab
Chlorine, Total Residuel (For	Sample					(Mager.)	+		<u> </u>	
Disinfection)	Measurement			0.3			MEL	Ø	5 Darson	Grais
PARM Code 50060 A	Permit			0.5				<u> </u>		
Man. Site No. EFA-1	Requirement		i i	(Min.)			ng/L	0	5 Days Work	Greb
Vitrogen, Nitrate, Total (as N)	Sample			Zimin			-	4		
NAMA	Moasurement				Sez [4 [1] -	7 26	م ميدونة	14	121 684	6
ARM Code 00620 A	Pennit			-	10 10 (1)	12.0	Gas/L		Martily	Citib
Mon. Site No. EFA-1	Requirement					(Max.)	END/L	0	Monthly	Grab
Nitrogen, Total	Sample				7	(Ample)	 		-,	
NAME	Moustrement				4.04		1290-	0	Monthly	Ento
PARM Code 00600 Y	Permit				Report		dgL			Conce
Mon. Site No. BFA-1 Nitrogen, Total	Requirement				(An.Avg.)		apr.	d.	Monthly -	Grab
Nitrogen, Total	Sample				1		+	',	77.	
PARM Code 00600 A	Measurement					26	min	8	1 antida	Grab
Mon. Site No. EPA-1	Permit					Report	/ms/L	-	Monthly	15,000
ACEL SIE NO. RPA-1	Requirement					(Mo.Avg.)	1	9	Manna and	Grab
hosphorus, Total (as P)	Sample							-		
PARM Code 00665 Y	Measurement				7.10		mal	9	Mantaly	Evap
Mon. Site No. EFA-1	Permit Requirement	1			Report		mel	-	Monthly	0.3
hosphorus, Total (as P)					(An.Avg.)			0	Mountay.	Grab
majorates, TORBE (82 L)	Sample Monturement		1				1	1	19 111	-
ARM Code 00665 A	Pennit					. 13	inst	9	monthly	Grab
Alon. Site No. EFA-1	Roquirement	1				Report	±(g/L		Monthly	Grab
Now (Total Through Plant)	Sample					(Mo.Avg.)		0	4400imely	UISD
(Town THOUSE Line)	Measurement	į l	MA				1		<u> </u>	
ARM Code 50050 P	Pennit					_	1 1	9	5 Jays week	Flow of his
Mon. Size No. FLW-1	Requirement	0.099	MGD				1	0	5 Days/Wock	Plow Totalizer
The Title I was I	I veden enter	(An-Avg.)			j		, 1	0		ENA LOURING

(See lg 1) Comments

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AUG 2 8 2017

DISCHARGE MONITORING REPORT - PART A (Continued)

PACILITY:

Sun Lake Estates WWTF

MONITORING GROUP NUMBER:

PERMIT NUMBER: FLA0103S3-006-DW3P

MONITORING PERIOD

From: 07-01-17 To: 07-31-17

Parameter		Quantity (r Loading	Units	(Justity or Concentre	tion	Units	No.	Prequency of	Sample Type
Flow (Total Through Plant)	Sample Measurement	024	:029	med		Ī	T	 	Ex.	Analysis Tarywork	1
PARM Code 50050 Q Mon. Site No. FLW-1	Permit Requirement	Report (Qt.Avg.)	Report (Mo.Avg.)	MGD				 	0	5 Days/Work	Flow Totalize
Percent Capacity, (TMADF/ Permitted Capacity) x 100 PARM Code 00180 P	Sample Measurement	(QLAVIL)	(MUAVE)				28%	Mont		Konthely	
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	1										
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AUG 2 8 2017

DEP Central Dist.

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, 3319 Magnire Blvd, Suite 232, Orlando, FL 32803-3767

PERMITTEE NAME: MAILING ADDRESS:				PERMIT NUMBER: LIMIT: CLASS SIZE: MONITORING GROUP NUMBER: MONITORING GROUP DESCRIPTION: RE-SUBMITTED DMR: NO DISCHARGE FROM SITE:					REPORT FREQUENCY: Mod		
FACILITY: LOCATION:									M:	Monthly Dumestic	
COUNTY: Brevard OFFICE: Central District				iarge from 817 Ring Period	Prom:	07-01-17	ro: 07	7-	31-17		
Paramoter	Quantity of Loading			Q	unlity or Cons	ratration	Units	No. Ex.	Proquency of	Sample Type	
Biosolida Quantity (Transfer	rred) Sample Measurement	0	stry for				 	EX.	Analysis Washing	01.14	
PARM Code B0007 + Mon. Site No. RMP-1	Permit Requirement	Report (Mo.Total)	y tons						Monthly	Calculated	
Biosolids Quantity (Landfill	Measurement	Ø	Wytony						Minthly	Colorlate	
PARM Code B0008 + Mon. Site No. RMP-1	Permit Requirement	Report (Mu.Total)	dry tone						Monthly //	Calculated	
	1						<u> </u>				
knowledge and belief, true, a	ocurate, and complete. I	ell attachments were prepared under n e petson or persons who manage the am aware that there are significant p									
NAME/TITLE OF PRINCIPA	AL EXECUTIVE OFFICER	OR AUTHORIZED AGENT				ER OR AUTHORIZED AG		TE	LEPHONE NO	DATE (mm/dd/yyyy)	
Jerry Padrick greenfor				321-508-471, 8					8-24-17		
COMMENT AND EXPLAN	ATION OF ANY VIOL	ATIONS (Reference all attachments	bere):	11							
					REC	EIVED					
					AUG 2	8 2017					
ISSUANCE/REISSUANCE	DATE: Ammut 6, 2015			5	DEP Ce	ntral Dist.					

ISSUANCE/REISSUANCE DATE: August 6, 2015
DMR EFFECTIVE DATE: 1st day of the 2nd month following effective date of permit - Permit expiration

PLA010353-006-DW3P Prom: 07-01-17 To: 07-31-17 Pacility: Sun Lake Estates WWIF

Permit Number: Monitoring Period

	BOD, Carbonaccous 5 day, 20C mg/L	Chlorine, Total Residual (For Disinfection) 189/L	Coliform, Focal #/100ml	Nitrogen, Nitratu, Total (as N) mg/L	Nitrogen, Total mg/L	Phosphorus, Total (as P) mg/L	Solida, Total Suspended mg/L	pH su	Flow(Flow to R-001) MGD
Code	80082	50060	74055	00620	00600	00665	00530	00400	50050
Moss Sito	BFA-1	EFA-1	EFA-1	EFA-1	EFA-1	EFA-I	EFA-I	EFA-1	FLW-1
l		1.0						7.2	1027
2									
3		1.4						7,2	038
4		1.3						7.2	1020
5		1,3						7.1	033
6		13						7,2	028
7		1,2						7,2	122
8		1.7						7.2	.033
9									
10		1,2						7,2	1025
11		1.2						7.2	1027
12		12						7/2	1028
13		11						72	10.25
14		i i						7.2	1028
15		1.1						7.2	1025
16									11111
17		1.0						7,2	.019
18		1.10						7.2	.043
19		1,6						7.2	1640
20		1.0						7,2	028
21		11						7.2	1025
22		10						7.2	,025
23									1
24								<u> </u>	
25		1,0						7.1	.019
26	42	1.0	not Run	0.63	×1.	/3	15	7.3	1022
27		69	K					7,3	042
28		11.4	ર્ષ					7.3	:0.27
29		0.9	8					7.3	11.38
30			1						
31		0.8	بي					7,3	.039
Total									1726
Mo. Avg.	42		Nert Run	0.63	26	13	15		1029

PLANT STAFFING:						
Day Shift Operator	Class:		Certificate No:		Name:	
Byoning Shift Operator	Class:		Certificate No:		Name:	
Night Shift Operator	Class:		Certificate No:		Name:	
Load Operator	Class:	<u></u>	Certificate No:	7051	Name:	Jerun Padrick
						RECEIVED