

**BOARD OF COUNTY
COMMISSIONERS**

Nancy Bostock
Neil Brickfield
Susan Latvala
John Morroni
Norm Roche
Karen Williams Seel
Kenneth T. Welch

January 26, 2011

Vicki Gucken
Residuals Coordinator
State of Florida
Department of Environmental Protection
Southwest District
13051 N. Telecom Parkway
Temple Terrace, FL 33637

**RE: South Cross Bayou Water Reclamation Facility
FDEP Permit Number – FL0040436**

CY 2010 Residuals Annual Summary Report (EPA 503 Biosolids Report)

Dear Ms. Gucken:

Pinellas County Utilities submits the Annual Biosolids Report for the above referenced facilities. The attached report is inclusive of information and data also provided to EPA for their review and filing.

Please contact me (727-582-7015), if we can provide any assistance or clarification.

Sincerely,
PINELLAS COUNTY UTILITIES
James Dulaney *[Signature]*
Wastewater Treatment Manager
South Cross Bayou AWRF

cc: EPA
Logan file

Pinellas
South Cross
Biosolids
RECEIVED - DEP
JAN 31 2011
AA
Amk
**SOUTHWEST DISTRICT
WATER FACILITIES**



Dept. Of Environmental Protection

MAY 31 2010

Southwest District

*So Cross
+
Willm Dunn*

*all treated to AA
@ So Cross,
no landfill
no land up.*



PINELLAS COUNTY UTILITIES

Operations Department
Wastewater Treatment Division

Biosolids Analysis Data Summary - Digested Sludge

CY 2010

South Cross Bayou WRF-2010

Parameter	503 Table 3 (mg/dry Kg)	February	April	Sampling Month			October	December	Annual Avg	Minimum	Maximum
				June	August						
Total Nitrogen - N (% dry wt)		5.4	5.5	3.1	4.0		4.8	5.4	4.70	3.10	5.5
Kjeldahl Nitrogen - N (% dry wt)		5.4	5.5	3.1	3.9		4.8	5.4	4.68	3.10	5.5
Nitrite + Nitrate - N (% dry wt)		0.0069	0.0099	0.0034	0.0110		0.0112	0.0070	0.01	0.00	0.0112
Total Phosphorus (% dry wt)		2.8	3.1	1.6	2.5		3.1	3.4	2.75	1.60	3.40
% Total Solids		1.80	2.00	3.70	1.1		1.10	1.80	1.92	1.10	3.70
pH (std units)		6.90	7.10	7.10	6.90		6.80	7.00	7.0	6.8	7.1
Potassium (% dry wt)		0.53	0.52	0.22	0.46		0.49	0.42	0.44	0.2	0.53
Cadmium (mg/Kg)	39	4.8	3.4	1.3	1.6		2.1	2.2	2.57	1.30	4.8
Copper (mg/Kg)	1500	631	648	382	533		760	543	583	382	760
Lead (mg/Kg)	300	58	44	18.3	22.8		32.9	25.4	33.6	18	58.0
Nickel (mg/Kg)	420	19	24	14	19.6		26.9	19.4	20.4	14	26.9
Zinc (mg/Kg)	2800	896	825	413	649		856	656	716	413	896
Selenium (mg/Kg)	36	6.1	6.4	2.0	7.0		6.8	4.3	5.44	2	7
Chromium (mg/Kg)	1200	43	43	22	39.6		46.3	50.1	40.7	22	50.1
Molybdenum (mg/Kg)	75	11.1	9.0	3.6	7.3		9.7	7.5	8.03	3.60	11.1
Mercury (mg/Kg)	17	0.30	0.45	0.37	1.1		0.35	0.22	0.47	0.22	1.10
Arsenic (mg/Kg)	41	9.2	8.0	4.5	8.4		11.6	7.3	8.2	4.5	11.6
Fecal Coliform (#/gm dry wt, geo mean)		614,903	655,260	453,783	445,448		461,854	83,533	452,464	83,533	655,260

H:/users/lexcel/biosolids/biosolids annual summary/2009 biosolids summary
Note: March 3, 1997, Adjusted concentration maximum value of Molybdenum from 18 to 75 mg/Kg

PINELLAS COUNTY UTILITIES

Operations Department
Wastewater Treatment Division

Biosolids Analysis Data Summary - Final Product (Pellets)

CY 2010

South Cross Bayou WRF - 2010

Parameter	503 Table 3 (mg/dry Kg) AA Product	Sampling Month												Annual Avg	Minimum	Maximum
		January	February	March	April	May	June	July	August	September	October	November	December			
Dry Tons Produced		522.09	441.72	685.64	680.74	660.03	582.29	444.98	493.26	515.81	436.19	403.84	439.82	525.53	403.84	685.64
Total Nitrogen - N (% dry wt)		6.8	5.9	5.7	6.4	8.1	7.0	5.9	6.0	5.4	5.4	5.2	6.4	6.18	5.20	8.10
Total Phosphorus (% dry wt)		3.2	3.3	3.4	1.1 J	3.9	1.1	3.7	3.5	3.4	2.1	1.7	3.0	2.94	1.10	3.90
% Total Solids		90.0	90.0	90.4	92.1	91.0	91.2	90.4	92.0	91.6	91.1	91.2	92.6	91.13	90.00	92.60
pH (std units)		6.6	6.6	6.6	6.8	6.7	6.7	6.5	6.5	6.7	6.5	6.8	6.9	6.66	6.50	6.90
Potassium (% dry wt)		0.43	0.34	0.31	0.21	0.26	0.26	0.34	0.26	0.32	0.25	0.35	0.30	0.30	0.21	0.43
Cadmium (mg/Kg)	39	4.0	2.9	3.5	3.0	2.9	2.1	1.7	1.6	3.9	1.1	2.1	2.6	2.62	1.10	4.00
Copper (mg/Kg)	1500	680	590	580	670	780	810	702	677	815	560	790	600	687.83	560.00	815.00
Lead (mg/Kg)	300	63	41	36	33	37	31	21	22	28	17	26	29	31.99	17.00	63.00
Nickel (mg/Kg)	420	16	16	17	20	25	24	21	20	25	14	21	21	20.03	14.00	25.00
Zinc (mg/Kg)	2800	750	680	730	680	830	750	708	731	847	570	850	740	738.83	570.00	850.00
Selenium (mg/Kg)	100	6.9	5.7	7.1	7.2	8.4	8.1	5.2	6.1	5.7	4.6	6.9	5.9	6.48	4.60	8.40
Molybdenum (mg/Kg)	N/A	8.9	8.9	8.7	8.9	10.0	9.6	3.5	2.1	2.6	5.8	8.9	8.6	7.21	2.10	10.00
Mercury (mg/Kg)	17	0.77	0.40	0.33	0.34	0.36	0.51	1.10	0.70	0.50	0.31	0.28	0.10	0.48	0.10	1.10
Arsenic (mg/Kg)	41	7.3	6.3	7.2	6.8	7.0	6.3	5.5	6.3	8.6	6.1	8.1	7.0	6.9	5.5	8.6
Fecal Coliform (MPN/gram total solids)	1000	<2.0	<2.0	<2	<2	<2	<2	<2	<2	<6	<2	<2	<2	2.33	2.00	6.00
Total																6,306.41

Dry Tons Produced = South Cross Bayou WRF, W.E. Dunn WRF
H:\users\excel\biolids\biolids summary data\2010 biosolids summary

Lab #	#Fecal Coliform Colonies on MF Plates per Dilution (mL) *				% Dry Solids	Coliform Density	
	0.01	0.001	0.0001	0.00001		per gram	log ₁₀
3791	TNTC	121	4	0	19.3	626,943	5.80
3792	TNTC	100	1	0	19.6	510,204	5.71
3793	TNTC	250	3	1	16.2	1,543,210	6.19
3794	TNTC	130	2	0	19.6	663,265	5.82
3795	TNTC	49	7	0	20.0	245,000	5.39
3796	TNTC	160	6	0	19.7	812,183	5.91
3797	TNTC	100	2	0	19.6	510,204	5.71
*Bolted counts used in density calculation.						Geometric Mean (per gram):	614,903

Sample Date:
2/10/2010

Mean of log₁₀
5.79

Lab #	#Fecal Coliform Colonies on MF Plates per Dilution (mL) *				% Dry Solids	Coliform Density	
	0.01	0.001	0.0001	0.00001		per gram	log ₁₀
10076	TNTC	60	2	0	20.90	287,081	5.46
10077	TNTC	242	34	0	21.00	1,619,048	6.21
10078	TNTC	104	1	0	20.90	497,608	5.70
10079	TNTC	276	4	0	20.30	1,359,606	6.13
10080	TNTC	118	2	0	22.20	531,532	5.73
10081	TNTC	125	2	0	21.00	595,238	5.77
10082	TNTC	184	11	0	21.10	521,327	5.72
*Bolted counts used in density calculation.						Geometric Mean (per gram):	655,260

Sample Date:
4/15/2010

Mean of log₁₀
5.82

Lab #	#Fecal Coliform Colonies on MF Plates per Dilution (mL) *				% Dry Solids	Coliform Density	
	0.01	0.001	0.0001	0.00001		per gram	log ₁₀
15252	TNTC	383	33	0	23.90	1,380,753	6.14
15253	TNTC	242	6	0	24.00	250,000	5.40
15254	TNTC	221	9	0	24.00	375,000	5.57
15255	TNTC	264	9	0	24.00	375,000	5.57
15256	TNTC	349	12	3	24.00	500,000	5.70
15257	TNTC	278	8	1	24.20	330,579	5.52
15258	TNTC	310	12	0	24.30	493,827	5.69
*Bolted counts used in density calculation.						Geometric Mean (per gram):	453,783

Sample Date:
6/9/2010

Mean of log₁₀
5.66

Lab #	#Fecal Coliform Colonies on MF Plates per Dilution (mL) *				% Dry Solids	Coliform Density	
	0.01	0.001	0.0001	0.00001		per gram	log ₁₀
22178	TNTC	210	27	0	21.70	1,244,240	6.09
22179	TNTC	290	11	0	21.70	506,912	5.70
22180	TNTC	250	13	0	21.70	599,078	5.78
22181	TNTC	44	3	0	21.70	202,765	5.31
22182	TNTC	180	6	1	21.70	276,498	5.44
22183	TNTC	330	11	0	21.60	509,259	5.71
22184	TNTC	260	7	1	21.70	322,581	5.51
*Bolted counts used in density calculation.						Geometric Mean (per gram):	445,448

Sample Date:
8/11/2010

Mean of log₁₀
5.65

C:\Documents and Settings\utlopf5\Local Settings\Temporary Internet Files\OLKA6\SCB - sludge data.xls\2010

Lab #	#Fecal Coliform Colonies on MF Plates per Dilution (mL) *				% Dry Solids	Coliform Density	
	0.01	0.001	0.0001	0.00001		per gram	log ₁₀
29390	TNTC	112	6	0	24.20	462,810	5.67
29391	TNTC	122	1	0	24.40	500,000	5.70
29392	TNTC	101	8	1	24.30	415,638	5.62
29393	TNTC	117	6	0	24.40	479,508	5.68
29394	TNTC	132	7	0	24.30	543,210	5.73
29395	TNTC	103	3	2	24.30	423,868	5.63
29396	TNTC	103	0	0	24.40	422,131	5.63
*Bolted counts used in density calculation.						Geometric Mean (per gram):	461,854

Sample Date:
10/13/2010

Mean of log₁₀
5.66

Lab #	#Fecal Coliform Colonies on MF Plates per Dilution (mL) *				% Dry Solids	Coliform Density	
	0.01	0.001	0.0001	0.00001		per gram	log ₁₀
35536	TNTC	20	1	0	22.50	88,889	4.95
35537	TNTC	26	1	0	22.50	115,556	5.06
35538	TNTC	18	0	0	22.60	79,646	4.90
35539	TNTC	34	4	0	23.20	146,552	5.17
35540	TNTC	15	1	0	22.40	66,964	4.83
35541	TNTC	17	1	0	23.00	73,913	4.87
35542	TNTC	11	3	1	23.00	47,826	4.68
*Bolted counts used in density calculation.						Geometric Mean (per gram):	83,533

Sample Date:
12/20/2010

Mean of log₁₀
4.92

PINELLAS COUNTY UTILITIES

Operations Department

Biosolids Analysis Data Summary

CY 2010

William E. Dunn WRF

Parameter	503 Table 3 (mg/dry Kg)	February	April	June	August	October	December	Ann'l Avg	Minimum	Maximum
Total Nitrogen - N (% dry wt)		7.1	6.5	3.0	6.1	4.0	11.6	6.4	3.0	11.6
Kjeldahl Nitrogen - N (% dry wt)		7.00	6.42	2.96	6.1	3.9	5.3	5.28	2.96	7.00
Nitrite + Nitrate - N (% dry wt)		0.0867	0.0909	0.0371	0.0559	0.0039	6.2000	1.0791	0.0039	6.2000
Total Phosphorus (% dry wt)		3.1	3.5	2.0	3.9	2.5	3.1	3.0	2.0	3.9
% Total Solids		2.50	2.60	4.60	2.20	3.2	2.5	2.93	2.20	4.60
pH (std units)		6.6	6.7	6.9	6.10	6.50	6.70	6.6	6.1	6.9
Potassium (% dry wt)		1.20	1.20	0.59	1.00	0.77	0.96	0.95	0.59	1.20
Cadmium (mg/Kg)	39	0.82	0.73	0.69	0.82	0.56	0.75	0.73	0.56	0.82
Copper (mg/Kg)	1500	568	584	423	665	567	578	564	423	665
Lead (mg/Kg)	300	8.9	9.2	5.9	11.7	9.6	10.1	9.2	5.9	11.7
Nickel (mg/Kg)	420	10.8	11.6	7.0	13	10.4	14.0	11.1	7.0	14.0
Zinc (mg/Kg)	2800	524	514	348	638	485	578	515	348	638
Selenium (mg/Kg)	36	3.61	4.71	2.31	7.00	2.81	6.90	4.56	2.31	7.00
Chromium (mg/Kg)	1200	9.2	7.6	4.6	9.1	6.9	9.8	7.9	4.6	9.8
Molybdenum (mg/Kg)	75	5.4	5.8	2.9	5.0	3.2	4.6	4.5	2.9	5.8
Mercury (mg/Kg)	17	0.44	0.49	0.32	0.91	0.54	0.74	0.57	0.32	0.91
Arsenic (mg/Kg)	41	3.11	3.31	2.30	4.50	1.71	2.81	2.96	1.71	4.50
Fecal Coliform (#/gm dry wt, geo mean)		184,922	115,106	71,008	102,878	203,835	161,136	139,814	71,008.0	203,835

Note - U indicates value below parameter MDL

Note - change in potable water disinfectant occurred in May 2002

Note: March 3, 1997, Adjusted concentration maximum value of Molybdenum from 18 to 75 mg/Kg

Note: NOx MDL= 0.01

Pinellas County Utilities

Operations Department

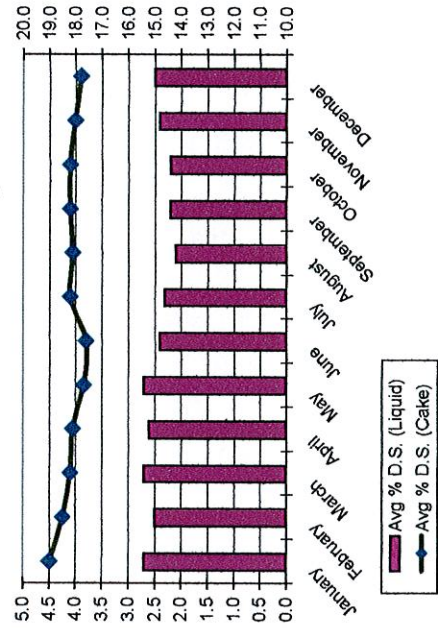
Biosolids Production Data Summary CY 2010

William E. Dunn WRF

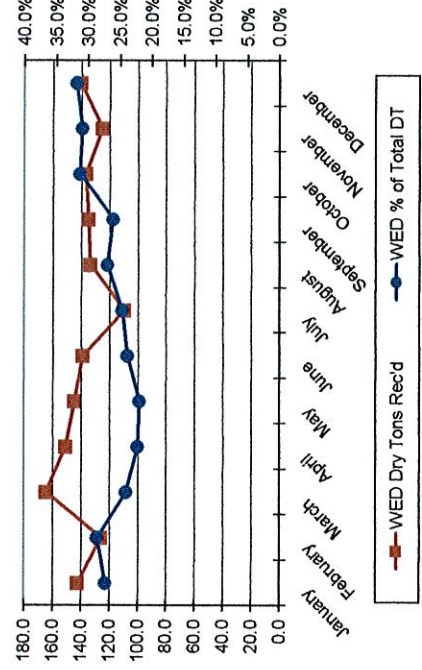
Month	Raw W/Wtr Treated (total mg)	Liquid Sludge Disposed (total gallons)	Avg % D.S. (Liquid)	Avg % D.S. (Cake)	Total Wet Tons (Cake)	Total Dry Tons	Synagro Operations and Invoicing Details			Dry Tons To Landfill
							WED Dry Tons Rec'd	WED % of Total DT	WED % of Total \$	
January	212.1	1,583,950	2.7	19.0	817	155.3	142.1	27.2%	\$27,424.85	0.0
February	188.0	1,359,479	2.5	18.5	734	135.7	125.8	28.5%	\$29,180.64	0.0
March	212.8	1,872,044	2.7	18.2	984	179.0	164.4	24.0%	\$22,892.90	0.0
April	203.1	1,575,169	2.6	18.1	898	162.5	150.4	22.1%	\$22,157.68	0.0
May	201.4	1,418,615	2.7	17.7	808	142.9	144.2	21.8%	\$27,777.37	0.0
June	190.5	1,651,226	2.4	17.6	836	147.0	138.4	23.8%	\$34,849.31	0.0
July	218.5	1,240,066	2.3	18.2	624	113.5	109.3	24.6%	\$25,188.28	0.0
August	228.5	1,717,369	2.1	18.1	787	142.4	133.1	27.0%	\$27,202.47	0.0
September	202.2	1,647,031	2.2	18.2	772	140.6	134.5	26.1%	\$26,131.14	0.0
October	194.5	1,663,051	2.2	18.2	818	148.8	136.4	31.3%	\$31,993.40	0.0
November	189.3	1,438,979	2.4	18.0	724	130.3	124.6	30.9%	\$31,390.09	0.0
December	198.1	1,613,708	2.5	17.8	852	151.6	139.7	31.8%	\$31,811.47	0.0
Total	2439.0	18,780,687			9,651	1749.7	1642.9		\$337,999.60	0.0

Total Wet Tons = contract vendor hauling scale tickets at WED, and validated via SYNAGRO and SCB

WED Biosolids Summary



Synagro Operations Summary



PINELLAS COUNTY UTILITIES

OPERATIONS DEPARTMENT

1620 Ridge Road, Bldg A
Largo, Florida 33778
727-582-2300

FACILITY: South Cross Bayou Water Reclamation Facility
7401 54th Avenue North
St. Petersburg, FL. 33709
727-582-7000

FACILITY PERMIT NUMBER: **FL0040436**

RESPONSIBLE OFFICIAL: Robert Powell
Director of Utility Operations
1620 Ridge Rd., Bldg A
Largo, FL. 33778
727-582-2300

FACILITY MANAGER: James Dulaney
Wastewater Treatment Manager
7401 54th Avenue North
St. Petersburg, FL. 33709
727-582-7015

FACILITY OPERATOR: Clyde Harris (Synagro)
Plant Manager
727-546-2875

PREPARER: James Dulaney
Wastewater Treatment Manager
7401 54th Avenue North
St. Petersburg, FL. 33709
727-582-7015

BIOSOLIDS VOLUME: **PELLETIZER:** 6,306.41 Dry Tons / Calendar Year 2010
LANDFILL: 0.00 Dry Tons / Calendar Year 2010

BIOSOLIDS PROCESS DESCRIPTION:

Advanced Wastewater Treatment, Waste Activated Sludge and Primary Sludge Blending, Thickening, Anaerobic Digestion, Storage, Dewatering, On-site Heat Dryer and Pelletizing Facility

PINELLAS COUNTY UTILITIES

OPERATIONS DEPARTMENT

1620 Ridge Road, Bldg. A

Largo, Florida 33778

727-582-2300

EXECUTIVE SUMMARY

The South Cross Bayou Water Reclamation Facility thickens a blend of waste activated sludge and primary sludge by thickening centrifuge. The blended, thickened sludge is pumped to the Egg-Shaped Anaerobic Digesters. The digested biosolids are then dewatered by centrifuge. The dewatered biosolids are transported via conveyor system to an on-site sludge dryer and pelletizing facility. Bio-solids generated and dewatered at the W.E Dunn facility are trucked to the South Cross Bayou AWWRF and processed through the on-site pelletizer. The on-site, contract operated (Synagro-WWT, Inc.) Residual Management Facility treated all biosolids to a Class AA pellet product for marketing and distribution.

The South Cross Bayou WRF conducted analysis of the biosolids every two (2) months as indicated on the attached "Biosolids Analysis Data Summary – Digested Sludge". This analysis was performed on the digested sludge prior to treatment at the residual management facility.

The Residual Management Facilities conducted analyses of the final product on a monthly basis as indicated on the attached "Biosolids Analysis Data Summary – Final Product". This analysis was performed on the final product after treatment at the residual management facility.

POLLUTANT CONCENTRATIONS

Table 3 of 503.13

CLASS A PATHOGEN REQUIREMENTS

503.32

PFRP Heat Drying

VECTOR ATTRACTION REDUCTION REQUIREMENTS

503.33

Percent Solids Exceeds 90%

CERTIFICATION STATEMENTS

Person Who Prepares

503.17

CERTIFICATION STATEMENT

South Cross Bayou Water Reclamation Facility

FDEP Permit Number FL0040436

(Person who Prepares - 503.17)

I certify, under penalty of law, that the Class A pathogen requirements in 503.32 have been met using method "PFRP Heat Drying". Vector attraction reduction requirements in 503.33 have been met using method "Percent Solids Exceeds 90%". This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the pathogen requirements and vector attraction reduction requirements are met. I am aware that there are significant penalties for false certification, including the possibility of fine and imprisonment.

Person Who Prepares:


James Dulaney
Wastewater Treatment Manager
South Cross Bayou AWWRF

January 2010 Information

CERTIFICATION

"I certify, under penalty of law, that the information that will be used to determine compliance with the Class A pathogen requirements in §503.32(a) and the vector attraction reduction requirement in §503.33(b)(8) was prepared under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate this information. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment."

Project(s): South Cross Bayou WRF Pelletizing Facility

Reporting Period: January 2010

Name: Clyde J. Harris

Synagro

Signature: Clyde J. Harris

Date: 1-February-2010

The Class A pathogen requirements were met through §503.32(a)(7). The Process to Further Reduce Pathogens was Heat Drying (Appendix B, B.2.). The biosolids were dried by direct or indirect contact with hot gases to reduce the moisture content to 10% or lower. The temperature of the biosolids particles exceeded 80 degrees Celsius. Fecal coliform testing was performed and the density of fecal coliform in the biosolids was <1000 MPN per gram of total solids (dry weight basis).

The vector attraction reduction requirement was met through §503.33(b)(8). The percent solids of the biosolids that contains unstabilized solids generated in a primary wastewater treatment process shall be $\geq 90\%$ based on the moisture content and total solids prior to mixing with other materials.

NTYPE 29: CA5 PR PELL PT VAR 90

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: Pinellas County Utilities
MAILING ADDRESS: 14 South Ft. Harrison Avenue
Clearwater, FL 33756

FACILITY: South Cross Bayou AWWTF
LOCATION: 7401 - 54th Avenue North
St. Petersburg, FL 33709

COUNTY: Pinellas

PERMIT NUMBER FL0040436

LIMIT: Final
CLASS SIZE: Major

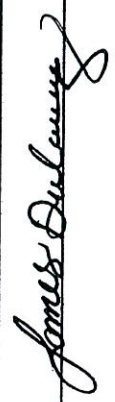
MONITORING GROUP NUMBER: RMP-AA
MONITORING GROUP DESC: Class AA Residuals

REPORT: Monthly
GROUP: Domestic

NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: January 01, 2010 To: January 31, 2010

Parameter	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Nitrogen, Sludge, Tot, Dry Wt (as N)	6.8						
P-ARM Code 78470 + Mon.Site No. RMP-AA	Report (Mo. Avg.)	PER-CENT				Monthly	Grab
Phosphorus, Sludge, Tot, Dry Wt (as P)	3.2						
P-ARM Code 78478 + Mon.Site No. RMP-AA	Report (Mo. Avg.)	PER-CENT				Monthly	Grab
Potassium, Sludge, Tot, Dry Wt (as K)	0.43						
P-ARM Code 78472 + Mon.Site No. RMP-AA	Report (Mo. Avg.)	PER-CENT				Monthly	Grab
Arsenic Total, Dry Weight, Sludge							
P-ARM Code 49565 + Mon.Site No. RMP-AA			7.3	7.3	0		
Cadmium, Sludge, Tot, Dry Weight (as Cd)			41.0 (Mo. Avg.)	75.0 (Max.)		Monthly	Composite
P-ARM Code 78476 + Mon.Site No. RMP-AA			4.0	4.0	0		
Copper, Sludge, Tot, Dry Wt (as Cu)			39.0 (Mo. Avg.)	85.0 (Max.)		Monthly	Composite
P-ARM Code 78475 + Mon.Site No. RMP-AA			680	680	0		
			1500.0 (Mo. Avg.)	4300.0 (Max.)		Monthly	Composite

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a 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)
James Dulaney - Wastewater Treatment Manager		727-582-7015	10/02/25

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

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: South Cross Bayou AWWTF

MONITORING GROUP NUMBER: RMP-AA
MONITORING PERIOD From: January 01, 2010 To: January 31, 2010

PERMIT NUMBER: FL0040436

Parameter	Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Lead, Dry Weight, Sludge	Sample Measurement		63.0	631.0		0		
P-ARM Code 78468 + Mon.Site No. RMP-AA	Permit Requirement		300.0 (Mo.-Avg.)	840.0 (Max.)		MG/KG	Monthly	Composite
Mercury, Dry Weight, Sludge	Sample Measurement		0.77	0.77		0		
P-ARM Code 78471 + Mon.Site No. RMP-AA	Permit Requirement		17.0 (Mo.-Avg.)	57.0 (Max.)		MG/KG	Monthly	Composite
Molybdenum, Dry Weight, Sludge	Sample Measurement		8.9			0		
P-ARM Code 78465 + Mon.Site No. RMP-AA	Permit Requirement		75.0 (Max.)			MG/KG	Monthly	Composite
Nickel, Dry Weight, Sludge	Sample Measurement		16.0	16.0		0		
P-ARM Code 78469 + Mon.Site No. RMP-AA	Permit Requirement		420.0 (Mo.-Avg.)	420.0 (Max.)		MG/KG	Monthly	Composite
Selenium Sludge Solid	Sample Measurement		6.9	6.9		0		
P-ARM Code 61518 + Mon.Site No. RMP-AA	Permit Requirement		100.0 (Mo.-Avg.)	100.0 (Max.)		MG/KG	Monthly	Composite
Zinc, Dry Weight, Sludge	Sample Measurement		750	750		0		
P-ARM Code 78467 + Mon.Site No. RMP-AA	Permit Requirement		2800.0 (Mo.-Avg.)	7500.0 (Max.)		MG/KG	Monthly	Composite
pH	Sample Measurement		6.63	6.63		0		
P-ARM Code 00400 + Mon.Site No. RMP-AA	Permit Requirement		Report (Mo.-Avg.)	Report (Max.)		SU	Monthly	Grab
Solids, Total, Sludge, Percent	Sample Measurement		90.0	90.0		0		
P-ARM Code 61553 + Mon.Site No. RMP-AA	Permit Requirement		Report (Mo.-Avg.)	Report (Max.)		PER-CENT	Monthly	Grab
Coliform, Fecal*	Sample Measurement	<2.0 U				0		
P-ARM Code 74055 + Mon.Site No. RMP-AA	Permit Requirement	1000.0 (Max.)			MPN/G		Monthly	Grab
Salmonella Sludge*	Sample Measurement							
P-ARM Code 71204 + Mon.Site No. RMP-AA	Permit Requirement	3.0 (Max.)			MPN/4G		Monthly	Grab

- Either Fecal Coliform or Salmonella in accordance with EPA 503.32(a)(3) - (8).

Processing Records Summary

[illegible]

CERTIFICATION STATEMENT

South Cross Bayou Water Reclamation Facility

FDEP Permit Number FL0040436

(Person who Prepares - 503.17)

I certify, under penalty of law, that the Class A pathogen requirements in 503.32 have been met using method "PFRP Heat Drying". Vector attraction reduction requirements in 503.33 have been met using method "Percent Solids Exceeds 90%". This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the pathogen requirements and vector attraction reduction requirements are met. I am aware that there are significant penalties for false certification, including the possibility of fine and imprisonment.

Person Who Prepares:


James Dulaney
Wastewater Treatment Manager
South Cross Bayou AWWRF

February 2010 Information

CERTIFICATION

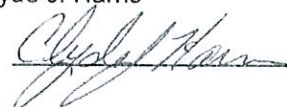
"I certify, under penalty of law, that the information that will be used to determine compliance with the Class A pathogen requirements in §503.32(a) and the vector attraction reduction requirement in §503.33(b)(8) was prepared under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate this information. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment."

Project(s): South Cross Bayou WRF Pelletizing Facility

Reporting Period: February 2010

Name: Clyde J. Harris

Synagro

Signature: 

Date: 1-March-2010

The Class A pathogen requirements were met through §503.32(a)(7). The Process to Further Reduce Pathogens was Heat Drying (Appendix B, B.2.). The biosolids were dried by direct or indirect contact with hot gases to reduce the moisture content to 10% or lower. The temperature of the biosolids particles exceeded 80 degrees Celsius. Fecal coliform testing was performed and the density of fecal coliform in the biosolids was <1000 MPN per gram of total solids (dry weight basis).

The vector attraction reduction requirement was met through §503.33(b)(8). The percent solids of the biosolids that contains unstabilized solids generated in a primary wastewater treatment process shall be $\geq 90\%$ based on the moisture content and total solids prior to mixing with other materials.

NTYPE 29: CA5 PR PELL PT VAR 90

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: Pinellas County Utilities
MAILING ADDRESS: 14 South Ft. Harrison Avenue
Clearwater, FL 33756

PERMIT NUMBER FL0040436

LIMIT: Final Major
CLASS SIZE: REPORT: Monthly Domestic

FACILITY: South Cross Bayou AWWTF
LOCATION: 7401 - 54th Avenue North
St. Petersburg, FL 33709

MONITORING GROUP NUMBER: RMP-AA
MONITORING GROUP DESC: Class AA Residuals

COUNTY: Pinellas
NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: February 01, 2010 To: February 28, 2010

Parameter	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Nitrogen, Sludge, Tot, Dry Wt (as N)	Sample Measurement						
PARM Code 78470 + Mon.Site No. RMP-AA	Report (Mo.Avg.)	PER-CENT				Monthly	Grab
Phosphorus, Sludge, Tot, Dry Wt (as P)	Sample Measurement						
PARM Code 78478 + Mon.Site No. RMP-AA	Report (Mo.Avg.)	PER-CENT				Monthly	Grab
Potassium, Sludge, Tot, Dry Wt (as K)	Sample Measurement						
PARM Code 78472 + Mon.Site No. RMP-AA	Report (Mo.Avg.)	PER-CENT				Monthly	Grab
Arsenic Total, Dry Weight, Sludge	Sample Measurement		6.3	6.3	0		
PARM Code 49565 + Mon.Site No. RMP-AA	Report (Mo.Avg.)		41.0 (Mo.Avg.)	75.0 (Max.)		Monthly	Composite
Cadmium, Sludge, Tot, Dry Weight (as Cd)	Sample Measurement		2.9	2.9	0		
PARM Code 78476 + Mon.Site No. RMP-AA	Report (Mo.Avg.)		39.0 (Mo.Avg.)	85.0 (Max.)		Monthly	Composite
Copper, Sludge, Tot, Dry Wt (as Cu)	Sample Measurement		590	5	0		
PARM Code 78475 + Mon.Site No. RMP-AA	Report (Mo.Avg.)		1500.0 (Mo.Avg.)	4300.0 (Max.)		Monthly	Composite

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a 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)
James Dulaney - Wastewater Treatment Manager		727-582-7015	10/03/25

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

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: South Cross Bayou AWWTF

MONITORING GROUP NUMBER: RMP-AA
MONITORING PERIOD From: February 01, 2010

PERMIT NUMBER: FL0040436
February 28, 2010

Parameter	Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Lead, Dry Weight, Sludge	Sample		41.0	41.0		0		
PARM Code 78468 + Mon. Site No. RMP-AA	Permit Requirement		300.0 (Mo. Avg.)	840.0 (Max.)	MG/KG		Monthly	Composite
Mercury, Dry Weight, Sludge	Sample		0.40	0.40		0		
PARM Code 78471 + Mon. Site No. RMP-AA	Permit Requirement		17.0 (Mo. Avg.)	57.0 (Max.)	MG/KG		Monthly	Composite
Molybdenum, Dry Weight, Sludge	Sample		8.9			0		
PARM Code 78465 + Mon. Site No. RMP-AA	Permit Requirement		75.0 (Max.)		MG/KG		Monthly	Composite
Nickel, Dry Weight, Sludge	Sample		16.0	16.0		0		
PARM Code 78469 + Mon. Site No. RMP-AA	Permit Requirement		420.0 (Mo. Avg.)	420.0 (Max.)	MG/KG		Monthly	Composite
Selenium Sludge Solid	Sample		5.7	5.7		0		
PARM Code 61518 + Mon. Site No. RMP-AA	Permit Requirement		100.0 (Mo. Avg.)	100.0 (Max.)	MG/KG		Monthly	Composite
Zinc, Dry Weight, Sludge	Sample		680	680		0		
PARM Code 78467 + Mon. Site No. RMP-AA	Permit Requirement		2800.0 (Mo. Avg.)	7500.0 (Max.)	MG/KG		Monthly	Composite
pH	Sample		6.61	6.61		0		
PARM Code 00400 + Mon. Site No. RMP-AA	Permit Requirement		Report (Mo. Avg.)	Report (Max.)	SU		Monthly	Grab
Solids, Total, Sludge, Percent	Sample		90.3	90.3		0		
PARM Code 61553 + Mon. Site No. RMP-AA	Permit Requirement		Report (Mo. Avg.)	Report (Max.)	PER-CENT		Monthly	Grab
Coliform, Fecal*	Sample	<2.0				0		
PARM Code 74055 + Mon. Site No. RMP-AA	Permit Requirement	1000.0 (Max.)			MPN/G		Monthly	Grab
Salmonella Sludge*	Sample							
PARM Code 71204 + Mon. Site No. RMP-AA	Permit Requirement	3.0 (Max.)			MPN/G		Monthly	Grab

- Either Fecal Coliform or Salmonella in accordance with EPA 503.32(a)(3) - (8).

3

CERTIFICATION STATEMENT

South Cross Bayou Water Reclamation Facility

FDEP Permit Number FL0040436

(Person who Prepares - 503.17)

I certify, under penalty of law, that the Class A pathogen requirements in 503.32 have been met using method "PFRP Heat Drying". Vector attraction reduction requirements in 503.33 have been met using method "Percent Solids Exceeds 90%". This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the pathogen requirements and vector attraction reduction requirements are met. I am aware that there are significant penalties for false certification, including the possibility of fine and imprisonment.

Person Who Prepares:


James Dulaney
Wastewater Treatment Manager
South Cross Bayou AWWRF

March 2010 Information

CERTIFICATION

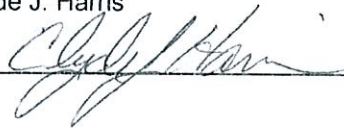
"I certify, under penalty of law, that the information that will be used to determine compliance with the Class A pathogen requirements in §503.32(a) and the vector attraction reduction requirement in §503.33(b)(8) was prepared under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate this information. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment."

Project(s): South Cross Bayou WRF Pelletizing Facility

Reporting Period: March 2010

Name: Clyde J. Harris

Synagro

Signature: 

Date: 1-April-2010

The Class A pathogen requirements were met through §503.32(a)(7). The Process to Further Reduce Pathogens was Heat Drying (Appendix B, B.2.). The biosolids were dried by direct or indirect contact with hot gases to reduce the moisture content to 10% or lower. The temperature of the biosolids particles exceeded 80 degrees Celsius. Fecal coliform testing was performed and the density of fecal coliform in the biosolids was <1000 MPN per gram of total solids (dry weight basis).

The vector attraction reduction requirement was met through §503.33(b)(8). The percent solids of the biosolids that contains unstabilized solids generated in a primary wastewater treatment process shall be $\geq 90\%$ based on the moisture content and total solids prior to mixing with other materials.

NTYPE 29: CA5 PR PELL PT VAR 90

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: Pinellas County Utilities
MAILING ADDRESS: 14 South Ft. Harrison Avenue
Clearwater, FL 33756

FACILITY: South Cross Bayou AWWTF
LOCATION: 7401 - 54th Avenue North
St. Petersburg, FL 33709

COUNTY: Pinellas

PERMIT NUMBER FL0040436

LIMIT: Final
CLASS SIZE: Major

MONITORING GROUP NUMBER: RMP-AA
MONITORING GROUP DESC: Class AA Residuals

REPORT: Monthly
GROUP: Domestic

NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: March 01, 2010 To: March 31, 2010

Parameter	Sample Measurement	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Nitrogen, Sludge, Tot, Dry Wt (as N)	Sample Measurement	5.7						
PARM Code 78470 + Mon.Site No. RMP-AA	Permit Requirement	Report (Mo.Avg.)	PER-CENT				Monthly	Grab
Phosphorus, Sludge, Tot, Dry Wt (as P)	Sample Measurement	3.4						
PARM Code 78478 + Mon.Site No. RMP-AA	Permit Requirement	Report (Mo.Avg.)	PER-CENT				Monthly	Grab
Potassium, Sludge, Tot, Dry Wt (as K)	Sample Measurement	0.31						
PARM Code 78472 + Mon.Site No. RMP-AA	Permit Requirement	Report (Mo.Avg.)	PER-CENT				Monthly	Grab
Arsenic Total, Dry Weight, Sludge	Sample Measurement			7.2	7.2	0		
PARM Code 49565 + Mon.Site No. RMP-AA	Permit Requirement			41.0 (Mo.Avg.)	75.0 (Max.)		Monthly	Composite
Cadmium, Sludge, Tot, Dry Weight (as Cd)	Sample Measurement			3.5	3.5	0		
PARM Code 78476 + Mon.Site No. RMP-AA	Permit Requirement			39.0 (Mo.Avg.)	85.0 (Max.)		Monthly	Composite
Copper, Sludge, Tot, Dry Wt. (as Cu)	Sample Measurement			580	580	0		
PARM Code 78475 + Mon.Site No. RMP-AA	Permit Requirement			1500.0 (Mo.Avg.)	4300.0 (Max.)		Monthly	Composite

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a 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)
James Dulaney - Wastewater Treatment Manager		727-582-7015	10/04/25

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

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: South Cross Bayou AWWTF

MONITORING GROUP NUMBER: RMP-AA
MONITORING PERIOD From: March 01, 2010 To:

PERMIT NUMBER: FL0040436
March 31, 2010

Parameter	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Lead, Dry Weight, Sludge	Sample Measurement		36.0		0		
PARM Code 78468 + Mon.Site No. RMP-AA	Permit Requirement		300.0 (Mo.Avg.)			Monthly	Composite
Mercury, Dry Weight, Sludge	Sample Measurement		0.33		0		
PARM Code 78471 + Mon.Site No. RMP-AA	Permit Requirement		17.0 (Mo.Avg.)			Monthly	Composite
Molybdenum, Dry Weight, Sludge	Sample Measurement		8.7		0		
PARM Code 78465 + Mon.Site No. RMP-AA	Permit Requirement		75.0 (Max.)			Monthly	Composite
Nickel, Dry Weight, Sludge	Sample Measurement		17.0		0		
PARM Code 78469 + Mon.Site No. RMP-AA	Permit Requirement		420.0 (Mo.Avg.)			Monthly	Composite
Selenium Sludge Solid	Sample Measurement		7.1		0		
PARM Code 61518 + Mon.Site No. RMP-AA	Permit Requirement		100.0 (Mo.Avg.)			Monthly	Composite
Zinc, Dry Weight, Sludge	Sample Measurement		730		0		
PARM Code 78467 + Mon.Site No. RMP-AA	Permit Requirement		2800.0 (Mo.Avg.)			Monthly	Composite
pH	Sample Measurement		6.60		0		
PARM Code 00400 + Mon.Site No. RMP-AA	Permit Requirement		Report (Mo.Avg.)			Monthly	Grab
Solids, Total, Sludge, Percent	Sample Measurement		90.4		0		
PARM Code 61553 + Mon.Site No. RMP-AA	Permit Requirement		Report (Mo.Avg.)			Monthly	Grab
Coliform, Fecal*	Sample Measurement	<2.0			0		
PARM Code 74055 + Mon.Site No. RMP-AA	Permit Requirement	1000.0 (Max.)		MPN/G		Monthly	Grab
Salmonella Sludge*	Sample Measurement						
PARM Code 71204 + Mon.Site No. RMP-AA	Permit Requirement	3.0 (Max.)		MPN/4G		Monthly	Grab

- Either Fecal Coliform or Salmonella in accordance with EPA 503.32(a)(3) - (8).

Processing Records Summary

[illegible]

CERTIFICATION STATEMENT

South Cross Bayou Water Reclamation Facility

FDEP Permit Number FL0040436

(Person who Prepares - 503.17)

I certify, under penalty of law, that the Class A pathogen requirements in 503.32 have been met using method "PFRP Heat Drying". Vector attraction reduction requirements in 503.33 have been met using method "Percent Solids Exceeds 90%". This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the pathogen requirements and vector attraction reduction requirements are met. I am aware that there are significant penalties for false certification, including the possibility of fine and imprisonment.

Person Who Prepares:


James Dulaney

Wastewater Treatment Manager
South Cross Bayou AWWRF

April 2010 Information

CERTIFICATION

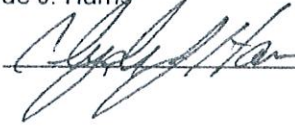
"I certify, under penalty of law, that the information that will be used to determine compliance with the Class A pathogen requirements in §503.32(a) and the vector attraction reduction requirement in §503.33(b)(8) was prepared under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate this information. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment."

Project(s): South Cross Bayou WRF Pelletizing Facility

Reporting Period: April 2010

Name: Clyde J. Harris

Synagro

Signature: 

Date: 03-May-2010

The Class A pathogen requirements were met through §503.32(a)(7). The Process to Further Reduce Pathogens was Heat Drying (Appendix B, B.2.). The biosolids were dried by direct or indirect contact with hot gases to reduce the moisture content to 10% or lower. The temperature of the biosolids particles exceeded 80 degrees Celsius. Fecal coliform testing was performed and the density of fecal coliform in the biosolids was <1000 MPN per gram of total solids (dry weight basis).

The vector attraction reduction requirement was met through §503.33(b)(8). The percent solids of the biosolids that contains unstabilized solids generated in a primary wastewater treatment process shall be ≥90% based on the moisture content and total solids prior to mixing with other materials.

NTYPE 29: CA5 PR PELL PT VAR 90

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed

all this report to: Department of Environmental Protection, Wastewater Compliance Evaluation, Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: Pinellas County Utilities
MAILING ADDRESS: 14 South Ft. Harrison Avenue
Clearwater, FL 33756

FACILITY: South Cross Bayou AWWTF
LOCATION: 7401 - 54th Avenue North
St. Petersburg, FL 33709

COUNTY: Pinellas

PERMIT NUMBER FL0040436

LIMIT: Final
CLASS SIZE: Major

MONITORING GROUP NUMBER: RMP-AA
MONITORING GROUP DESC: Class AA Residuals

REPORT: Monthly
GROUP: Domestic

NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: April 01, 2010 To: April 30, 2010

Parameter	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Nitrogen, Sludge, Tot, Dry Wt (as N)	6.4						
PARM Code 78470 + Mon.Site No. RMP-AA	Report (Mo.Avg.)	PER-CENT				Monthly	Grab
Phosphorus, Sludge, Tot, Dry Wt (as P)	1.1						
PARM Code 78478 + Mon.Site No. RMP-AA	Report (Mo.Avg.)	PER-CENT				Monthly	Grab
Potassium, Sludge, Tot, Dry Wt (as K)	0.21						
PARM Code 78472 + Mon.Site No. RMP-AA	Report (Mo.Avg.)	PER-CENT				Monthly	Grab
Arsenic Total, Dry Weight, Sludge			6.8	6.8	0		
PARM Code 49565 + Mon.Site No. RMP-AA	Report (Mo.Avg.)		41.0 (Mo.Avg.)	75.0 (Max.)		Monthly	Composite
Cadmium, Sludge, Tot, Dry Weight (as Cd)			3.0	3.0	0		
PARM Code 78476 + Mon.Site No. RMP-AA	Report (Mo.Avg.)		39.0 (Mo.Avg.)	85.0 (Max.)		Monthly	Composite
Copper, Sludge, Tot, Dry Wt (as Cu)			670	670	0		
PARM Code 78475 + Mon.Site No. RMP-AA	Report (Mo.Avg.)		1500.0 (Mo.Avg.)	4300.0 (Max.)		Monthly	Composite

certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a 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)
James Dulaney - Wastewater Treatment Manager		727-582-7015	10/05/26

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

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: South Cross Bayou AWWTF

MONITORING GROUP NUMBER: RMP-AA
MONITORING PERIOD From: April 01, 2010 To:

PERMIT NUMBER: FL0040436
April 30, 2010

Parameter	Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Lead, Dry Weight, Sludge	Sample Measurement		33.0	33.0		0		
PARM Code 78468 + Mon. Site No. RMP-AA	Permit Requirement		300.0 (Mo. Avg.)	840.0 (Max.)	MG/KG		Monthly	Composite
Mercury, Dry Weight, Sludge	Sample Measurement		0.34	0.34		0		
PARM Code 78471 + Mon. Site No. RMP-AA	Permit Requirement		17.0 (Mo. Avg.)	57.0 (Max.)	MG/KG		Monthly	Composite
Molybdenum, Dry Weight, Sludge	Sample Measurement		8.9			0		
PARM Code 78465 + Mon. Site No. RMP-AA	Permit Requirement		75.0 (Max.)		MG/KG		Monthly	Composite
Nickel, Dry Weight, Sludge	Sample Measurement		20.0	20.0		0		
PARM Code 78469 + Mon. Site No. RMP-AA	Permit Requirement		420.0 (Mo. Avg.)	420.0 (Max.)	MG/KG		Monthly	Composite
Selenium Sludge Solid	Sample Measurement		7.2	7.2		0		
PARM Code 61518 + Mon. Site No. RMP-AA	Permit Requirement		100.0 (Mo. Avg.)	100.0 (Max.)	MG/KG		Monthly	Composite
Zinc, Dry Weight, Sludge	Sample Measurement		680	680		0		
PARM Code 78467 + Mon. Site No. RMP-AA	Permit Requirement		2800.0 (Mo. Avg.)	7500.0 (Max.)	MG/KG		Monthly	Composite
pH	Sample Measurement		6.79	6.79		0		
PARM Code 00400 + Mon. Site No. RMP-AA	Permit Requirement		Report (Mo. Avg.)	Report (Max.)	SU		Monthly	Grab
Solids, Total, Sludge, Percent	Sample Measurement		92.1	92.1		0		
PARM Code 61553 + Mon. Site No. RMP-AA	Permit Requirement		Report (Mo. Avg.)	Report (Max.)	PER-CENT		Monthly	Grab
Coliform, Fecal*	Sample Measurement	<2.0				0		
PARM Code 74055 + Mon. Site No. RMP-AA	Permit Requirement	1000.0 (Max.)			MPN/G		Monthly	Grab
Salmonella Sludge*	Sample Measurement							
PARM Code 71204 + Mon. Site No. RMP-AA	Permit Requirement	3.0 (Max.)			MPN/4G		Monthly	Grab

• Either Fecal Coliform or Salmonella in accordance with EPA 503.32(a)(3) - (8).

Processing Records Summary

[illegible]

CERTIFICATION STATEMENT

South Cross Bayou Water Reclamation Facility

FDEP Permit Number FL0040436

(Person who Prepares - 503.17)

I certify, under penalty of law, that the Class A pathogen requirements in 503.32 have been met using method "PFRP Heat Drying". Vector attraction reduction requirements in 503.33 have been met using method "Percent Solids Exceeds 90%". This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the pathogen requirements and vector attraction reduction requirements are met. I am aware that there are significant penalties for false certification, including the possibility of fine and imprisonment.

Person Who Prepares:



James Dulaney
Wastewater Treatment Manager
South Cross Bayou AWWRF

May 2010 Information

CERTIFICATION

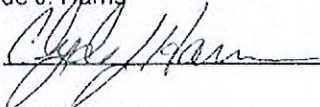
"I certify, under penalty of law, that the information that will be used to determine compliance with the Class A pathogen requirements in §503.32(a) and the vector attraction reduction requirement in §503.33(b)(8) was prepared under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate this information. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment."

Project(s): South Cross Bayou WRF Pelletizing Facility

Reporting Period: May 2010

Name: Clyde J. Harris

Synagro

Signature: 

Date: 01-June-2010

The Class A pathogen requirements were met through §503.32(a)(7). The Process to Further Reduce Pathogens was Heat Drying (Appendix B, B.2.). The biosolids were dried by direct or indirect contact with hot gases to reduce the moisture content to 10% or lower. The temperature of the biosolids particles exceeded 80 degrees Celsius. Fecal coliform testing was performed and the density of fecal coliform in the biosolids was <1000 MPN per gram of total solids (dry weight basis).

The vector attraction reduction requirement was met through §503.33(b)(8). The percent solids of the biosolids that contains unstabilized solids generated in a primary wastewater treatment process shall be ≥90% based on the moisture content and total solids prior to mixing with other materials.

NTYPE 29: CA5 PR PELL PT VAR 90

DEPARTMENT OF ENVIRONMENTAL PROTECTION WASTEWATER COMPLIANCE EVALUATION SECTION

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: Pinellas County Utilities
MAILING ADDRESS: 14 South Ft. Harrison Avenue
Clearwater, FL 33756

FACILITY: South Cross Bayou AWWTF
LOCATION: 7401 - 54th Avenue North
St. Petersburg, FL 33709

COUNTY: Pinellas

PERMIT NUMBER FL0040436

LIMIT: Final
CLASS SIZE: Major

MONITORING GROUP NUMBER: RMP-AA
MONITORING GROUP DESC: Class AA Residuals

REPORT: Monthly
GROUP: Domestic

NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: May 01, 2010 To: May 31, 2010

Parameter	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Nitrogen, Sludge, Tot, Dry Wt (as N)	Sample Measurement						
PARM Code 78470 + Mon.Site No. RMP-AA	Permit Requirement	8.1					
Phosphorus, Sludge, Tot, Dry Wt (as P)	Sample Measurement	Report (Mo.Avg.)		PER-CENT		Monthly	Grab
PARM Code 78478 + Mon.Site No. RMP-AA	Permit Requirement	3.9					
Potassium, Sludge, Tot, Dry Wt (as K)	Sample Measurement	Report (Mo.Avg.)		PER-CENT		Monthly	Grab
PARM Code 78472 + Mon.Site No. RMP-AA	Permit Requirement	0.26					
Arsenic Total, Dry Weight, Sludge	Sample Measurement	Report (Mo.Avg.)		PER-CENT		Monthly	Grab
PARM Code 49565 + Mon.Site No. RMP-AA	Permit Requirement		7.0		0		
Cadmium, Sludge, Tot, Dry Weight (as Cd)	Sample Measurement		41.0 (Mo.Avg.)		MG/KG	Monthly	Composite
PARM Code 78476 + Mon.Site No. RMP-AA	Permit Requirement		2.9		0		
Copper, Sludge, Tot, Dry Wt (as Cu)	Sample Measurement		39.0 (Mo.Avg.)		MG/KG	Monthly	Composite
PARM Code 78475 + Mon.Site No. RMP-AA	Permit Requirement		780		0		
			1500.0 (Mo.Avg.)		MG/KG	Monthly	Composite

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a 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)
James Dulaney - Wastewater Treatment Manager		727-582-7015	10/06/25

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

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: South Cross Bayou AWWTF

MONITORING GROUP NUMBER: RMP-AA
MONITORING PERIOD From: May 01, 2010 To:

PERMIT NUMBER: FL0040436
May 31, 2010

Parameter	Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Lead, Dry Weight, Sludge	Sample Measurement		37.0	37.0		0		
PARM Code 78468 + Mon. Site No. RMP-AA	Permit Requirement		300.0 (Mo. Avg.)	840.0 (Max.)	MG/KG		Monthly	Composite
Mercury, Dry Weight, Sludge	Sample Measurement		0.36	0.36		0		
PARM Code 78471 + Mon. Site No. RMP-AA	Permit Requirement		17.0 (Mo. Avg.)	57.0 (Max.)	MG/KG		Monthly	Composite
Molybdenum, Dry Weight, Sludge	Sample Measurement		10.0			0		
PARM Code 78465 + Mon. Site No. RMP-AA	Permit Requirement		75.0 (Max.)		MG/KG		Monthly	Composite
Nickel, Dry Weight, Sludge	Sample Measurement		25.0	25.0		0		
PARM Code 78469 + Mon. Site No. RMP-AA	Permit Requirement		420.0 (Mo. Avg.)	420.0 (Max.)	MG/KG		Monthly	Composite
Selenium, Sludge Solid	Sample Measurement		8.4	8.4		0		
PARM Code 61518 + Mon. Site No. RMP-AA	Permit Requirement		100.0 (Mo. Avg.)	100.0 (Max.)	MG/KG		Monthly	Composite
Zinc, Dry Weight, Sludge	Sample Measurement		830	830		0		
PARM Code 78467 + Mon. Site No. RMP-AA	Permit Requirement		2800.0 (Mo. Avg.)	7500.0 (Max.)	MG/KG		Monthly	Composite
pH	Sample Measurement		6.65	6.65		0		
PARM Code 00400 + Mon. Site No. RMP-AA	Permit Requirement		Report (Mo. Avg.)	Report (Max.)	SU		Monthly	Grab
Solids, Total, Sludge, Percent	Sample Measurement		91.0	91.0		0		
PARM Code 61553 + Mon. Site No. RMP-AA	Permit Requirement		Report (Mo. Avg.)	Report (Max.)	PER-CENT		Monthly	Grab
Coliform, Fecal*	Sample Measurement	<2.0				0		
PARM Code 74055 + Mon. Site No. RMP-AA	Permit Requirement	1000.0 (Max.)			MPN/G		Monthly	Grab
Salmonella Sludge*	Sample Measurement							
PARM Code 71204 + Mon. Site No. RMP-AA	Permit Requirement	3.0 (Max.)			MPN/4G		Monthly	Grab

- Either Fecal Coliform or Salmonella in accordance with EPA 503.32(a)(3) - (8).

Processing Records Summary

[illegible]

CERTIFICATION STATEMENT

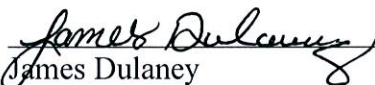
South Cross Bayou Water Reclamation Facility

FDEP Permit Number FL0040436

(Person who Prepares - 503.17)

I certify, under penalty of law, that the Class A pathogen requirements in 503.32 have been met using method "PFRP Heat Drying". Vector attraction reduction requirements in 503.33 have been met using method "Percent Solids Exceeds 90%". This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the pathogen requirements and vector attraction reduction requirements are met. I am aware that there are significant penalties for false certification, including the possibility of fine and imprisonment.

Person Who Prepares:


James Dulaney
Wastewater Treatment Manager
South Cross Bayou AWWRF

June 2010 Information

CERTIFICATION

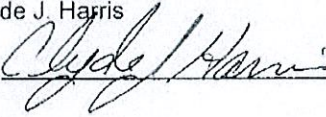
"I certify, under penalty of law, that the information that will be used to determine compliance with the Class A pathogen requirements in §503.32(a) and the vector attraction reduction requirement in §503.33(b)(8) was prepared under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate this information. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment."

Project(s): South Cross Bayou WRF Pelletizing Facility

Reporting Period: June 2010

Name: Clyde J. Harris

Synagro

Signature:  Date: 01-July-2010

The Class A pathogen requirements were met through §503.32(a)(7). The Process to Further Reduce Pathogens was Heat Drying (Appendix B, B.2.). The biosolids were dried by direct or indirect contact with hot gases to reduce the moisture content to 10% or lower. The temperature of the biosolids particles exceeded 80 degrees Celsius. Fecal coliform testing was performed and the density of fecal coliform in the biosolids was <1000 MPN per gram of total solids (dry weight basis).

The vector attraction reduction requirement was met through §503.33(b)(8). The percent solids of the biosolids that contains unstabilized solids generated in a primary wastewater treatment process shall be $\geq 90\%$ based on the moisture content and total solids prior to mixing with other materials.

NTYPE 29: CA5 PR PELL PT VAR 90

DEPARTMENT OF ENVIRONMENTAL PROTECTION N DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: Pinellas County Utilities
MAILING ADDRESS: 14 South Ft. Harrison Avenue
Clearwater, FL 33756

FACILITY: South Cross Bayou AWWTF
LOCATION: 7401 - 54th Avenue North
St. Petersburg, FL 33709

COUNTY: Pinellas

PERMIT NUMBER FL0040436

LIMIT: Final
CLASS SIZE: Major

MONITORING GROUP NUMBER: RMP-AA
MONITORING GROUP DESC: Class AA Residuals

REPORT: Monthly
GROUP: Domestic

NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: June 01, 2010 To: June 30, 2010

Parameter	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Nitrogen, Sludge, Tot, Dry Wt (as N)	7.0						
Sample Measurement							
PERM Code 78470 +	Report (Mo. Avg.)	PER-CENT				Monthly	Grab
Mon. Site No. RMP-AA							
Phosphorus, Sludge, Tot, Dry Wt (as P)	1.1						
Sample Measurement							
PERM Code 78478 +	Report (Mo. Avg.)	PER-CENT				Monthly	Grab
Mon. Site No. RMP-AA							
Potassium, Sludge, Tot, Dry Wt (as K)	0.26						
Sample Measurement							
PERM Code 78472 +	Report (Mo. Avg.)	PER-CENT				Monthly	Grab
Mon. Site No. RMP-AA							
Arsenic Total, Dry Weight, Sludge					0		
Sample Measurement			6.3	6.3			
PERM Code 49565 +			41.0 (Mo. Avg.)	75.0 (Max.)		Monthly	Composite
Mon. Site No. RMP-AA							
Cadmium, Sludge, Tot, Dry Weight (as Cd)			2.1	2.1	0		
Sample Measurement							
PERM Code 78476 +			39.0 (Mo. Avg.)	85.0 (Max.)		Monthly	Composite
Mon. Site No. RMP-AA							
Copper, Sludge, Tot, Dry Wt. (as Cu)			810	810	0		
Sample Measurement							
PERM Code 78475 +			1500.0 (Mo. Avg.)	4300.0 (Max.)		Monthly	Composite
Mon. Site No. RMP-AA							

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a 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)
James Dulaney - Wastewater Treatment Manager		727-582-7015	10/07/26

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

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: South Cross Bayou AWWTF

MONITORING GROUP NUMBER: RMP-AA

PERMIT NUMBER: FL0040436

MONITORING PERIOD From: June 01, 2010

To:

June 30, 2010

Parameter	Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Lead, Dry Weight, Sludge	Sample Measurement		31.0	31.0		0		
PARM Code 78468 + Mon.Site No. RMP-AA	Permit Requirement		300.0 (Mo.Avg.)	840.0 (Max.)	MG/KG		Monthly	Composite
Mercury, Dry Weight, Sludge	Sample Measurement		0.51	0.51		0		
PARM Code 78471 + Mon.Site No. RMP-AA	Permit Requirement		17.0 (Mo.Avg.)	57.0 (Max.)	MG/KG		Monthly	Composite
Molybdenum, Dry Weight, Sludge	Sample Measurement		9.6			0		
PARM Code 78465 + Mon.Site No. RMP-AA	Permit Requirement		75.0 (Max.)		MG/KG		Monthly	Composite
Nickel, Dry Weight, Sludge	Sample Measurement		24.0	24.0		0		
PARM Code 78469 + Mon.Site No. RMP-AA	Permit Requirement		420.0 (Mo.Avg.)	420.0 (Max.)	MG/KG		Monthly	Composite
Selenium Sludge Solid	Sample Measurement		8.1	8.1		0		
PARM Code 61518 + Mon.Site No. RMP-AA	Permit Requirement		100.0 (Mo.Avg.)	100.0 (Max.)	MG/KG		Monthly	Composite
Zinc, Dry Weight, Sludge	Sample Measurement		750	750		0		
PARM Code 78467 + Mon.Site No. RMP-AA	Permit Requirement		2800.0 (Mo.Avg.)	7500.0 (Max.)	MG/KG		Monthly	Composite
pH	Sample Measurement		6.69	6.69		0		
PARM Code 00400 + Mon.Site No. RMP-AA	Permit Requirement		Report (Mo.Avg.)	Report (Max.)	SU		Monthly	Grab
Solids, Total, Sludge, Percent	Sample Measurement		91.2	91.2		0		
PARM Code 61553 + Mon.Site No. RMP-AA	Permit Requirement		Report (Mo.Avg.)	Report (Max.)	PER-CENT		Monthly	Grab
Coliform, Fecal*	Sample Measurement	<2.0				0		
PARM Code 74055 + Mon.Site No. RMP-AA	Permit Requirement	1000.0 (Max.)			MPN/G		Monthly	Grab
Salmonella Sludge*	Sample Measurement							
PARM Code 71204 + Mon.Site No. RMP-AA	Permit Requirement	3.0 (Max.)			MPN/4G		Monthly	Grab

- Either Fecal Coliform or Salmonella in accordance with EPA 503.32(a)(3) - (8).

Processing Records Summary

[illegible]

CERTIFICATION STATEMENT

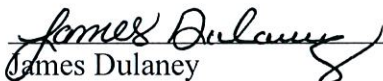
South Cross Bayou Water Reclamation Facility

FDEP Permit Number FL0040436

(Person who Prepares - 503.17)

I certify, under penalty of law, that the Class A pathogen requirements in 503.32 have been met using method "PFRP Heat Drying". Vector attraction reduction requirements in 503.33 have been met using method "Percent Solids Exceeds 90%". This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the pathogen requirements and vector attraction reduction requirements are met. I am aware that there are significant penalties for false certification, including the possibility of fine and imprisonment.

Person Who Prepares:


James Dulaney
Wastewater Treatment Manager
South Cross Bayou AWWRF

July 2010 Information

CERTIFICATION

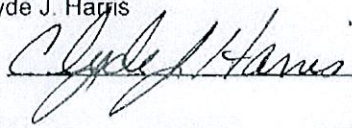
"I certify, under penalty of law, that the information that will be used to determine compliance with the Class A pathogen requirements in §503.32(a) and the vector attraction reduction requirement in §503.33(b)(8) was prepared under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate this information. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment."

Project(s): South Cross Bayou WRF Pelletizing Facility

Reporting Period: July 2010

Name: Clyde J. Harris

Synagro

Signature: 

Date: 02-August-2010

The Class A pathogen requirements were met through §503.32(a)(7). The Process to Further Reduce Pathogens was Heat Drying (Appendix B, B.2.). The biosolids were dried by direct or indirect contact with hot gases to reduce the moisture content to 10% or lower. The temperature of the biosolids particles exceeded 80 degrees Celsius. Fecal coliform testing was performed and the density of fecal coliform in the biosolids was <1000 MPN per gram of total solids (dry weight basis).

The vector attraction reduction requirement was met through §503.33(b)(8). The percent solids of the biosolids that contains unstabilized solids generated in a primary wastewater treatment process shall be ≥90% based on the moisture content and total solids prior to mixing with other materials.

NTYPE 29: CA5 PR PELL PT VAR 90

DEPARTMENT OF ENVIRONMENTAL PROTECTION WASTEWATER COMPLIANCE EVALUATION SECTION, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: Pinellas County Utilities
MAILING ADDRESS: 14 South Ft. Harrison Avenue
Clearwater, FL 33756

FACILITY: South Cross Bayou AWWTF
LOCATION: 7401 - 54th Avenue North
St. Petersburg, FL 33709

COUNTY: Pinellas

PERMIT NUMBER FL0040436

LIMIT: Final
CLASS SIZE: Major

MONITORING GROUP NUMBER: RMP-AA
MONITORING GROUP DESC: Class AA Residuals

REPORT: Monthly
GROUP: Domestic

NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: July 01, 2010 To: July 31, 2010

Parameter	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Nitrogen, Sludge, Tot, Dry Wt (as N)	Sample Measurement						
PARM Code 78470 + Mon.Site No. RMP-AA	Report (Mo. Avg.)	PER-CENT				Monthly	Grab
Phosphorus, Sludge, Tot, Dry Wt (as P)	Sample Measurement						
PARM Code 78478 + Mon.Site No. RMP-AA	Report (Mo. Avg.)	PER-CENT				Monthly	Grab
Potassium, Sludge, Tot, Dry Wt (as K)	Sample Measurement						
PARM Code 78472 + Mon.Site No. RMP-AA	Report (Mo. Avg.)	PER-CENT				Monthly	Grab
Arsenic Total, Dry Weight, Sludge	Sample Measurement		5.5	5.5	0		
PARM Code 49565 + Mon.Site No. RMP-AA	Report (Mo. Avg.)		41.0 (Mo. Avg.)	75.0 (Max.)		Monthly	Composite
Cadmium, Sludge, Tot, Dry Weight (as Cd)	Sample Measurement		3.6	3.6	0		
PARM Code 78476 + Mon.Site No. RMP-AA	Report (Mo. Avg.)		39.0 (Mo. Avg.)	85.0 (Max.)		Monthly	Composite
Copper, Sludge, Tot, Dry Wt. (as Cu)	Sample Measurement		702	702	0		
PARM Code 78475 + Mon.Site No. RMP-AA	Report (Mo. Avg.)		1500.0 (Mo. Avg.)	4300.0 (Max.)		Monthly	Composite

certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a 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)
James Dulaney - Wastewater Treatment Manager		727-582-7015	10/08/26

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

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: South Cross Bayou AWWTF

MONITORING GROUP NUMBER: RMP-AA
MONITORING PERIOD From: July 01, 2010 To:

PERMIT NUMBER: FL0040436
July 31, 2010

Parameter	Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Lead, Dry Weight, Sludge	Sample Measurement		20.9	20.9		0		
PARM Code 78468 + Mon. Site No. RMP-AA	Permit Requirement		300.0 (Mo. Avg.)	840.0 (Max.)	MG/KG		Monthly	Composite
Mercury, Dry Weight, Sludge	Sample Measurement		1.1	1.1		0		
PARM Code 78471 + Mon. Site No. RMP-AA	Permit Requirement		17.0 (Mo. Avg.)	57.0 (Max.)	MG/KG		Monthly	Composite
Molybdenum, Dry Weight, Sludge	Sample Measurement		3.5			0		
PARM Code 78465 + Mon. Site No. RMP-AA	Permit Requirement		75.0 (Max.)		MG/KG		Monthly	Composite
Nickel, Dry Weight, Sludge	Sample Measurement		21.2	21.2		0		
PARM Code 78469 + Mon. Site No. RMP-AA	Permit Requirement		420.0 (Mo. Avg.)	420.0 (Max.)	MG/KG		Monthly	Composite
Selenium Sludge Solid	Sample Measurement		5.2	5.2		0		
PARM Code 61518 + Mon. Site No. RMP-AA	Permit Requirement		100.0 (Mo. Avg.)	100.0 (Max.)	MG/KG		Monthly	Composite
Zinc, Dry Weight, Sludge	Sample Measurement		708	708		0		
PARM Code 78467 + Mon. Site No. RMP-AA	Permit Requirement		2800.0 (Mo. Avg.)	7500.0 (Max.)	MG/KG		Monthly	Composite
pH	Sample Measurement		6.50	6.50		0		
PARM Code 00400 + Mon. Site No. RMP-AA	Permit Requirement		Report (Mo. Avg.)	Report (Max.)	SU		Monthly	Grab
Solids, Total, Sludge, Percent	Sample Measurement		90.4	90.4		0		
PARM Code 61553 + Mon. Site No. RMP-AA	Permit Requirement		Report (Mo. Avg.)	Report (Max.)	PER- CENT		Monthly	Grab
Coliform, Fecal*	Sample Measurement	<2.0				0		
PARM Code 74055 + Mon. Site No. RMP-AA	Permit Requirement	1000.0 (Max.)			MPN/G		Monthly	Grab
Salmonella Sludge*	Sample Measurement							
PARM Code 71204 + Mon. Site No. RMP-AA	Permit Requirement	3.0 (Max.)			MPN/4G		Monthly	Grab

- Either Fecal Coliform or Salmonella in accordance with EPA 503.32(a)(3) - (8).

Processing Records Summary

[illegible]

CERTIFICATION STATEMENT

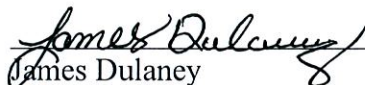
South Cross Bayou Water Reclamation Facility

FDEP Permit Number FL0040436

(Person who Prepares - 503.17)

I certify, under penalty of law, that the Class A pathogen requirements in 503.32 have been met using method "PFRP Heat Drying". Vector attraction reduction requirements in 503.33 have been met using method "Percent Solids Exceeds 90%". This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the pathogen requirements and vector attraction reduction requirements are met. I am aware that there are significant penalties for false certification, including the possibility of fine and imprisonment.

Person Who Prepares:

_____

James Dulaney
Wastewater Treatment Manager
South Cross Bayou AWWRF

August 2010 Information

CERTIFICATION

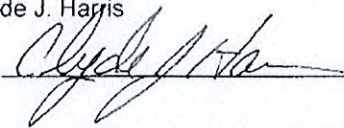
"I certify, under penalty of law, that the information that will be used to determine compliance with the Class A pathogen requirements in §503.32(a) and the vector attraction reduction requirement in §503.33(b)(8) was prepared under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate this information. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment."

Project(s): South Cross Bayou WRF Pelletizing Facility

Reporting Period: August 2010

Name: Clyde J. Harris

Synagro

Signature: 

Date: 01-September-2010

The Class A pathogen requirements were met through §503.32(a)(7). The Process to Further Reduce Pathogens was Heat Drying (Appendix B, B.2.). The biosolids were dried by direct or indirect contact with hot gases to reduce the moisture content to 10% or lower. The temperature of the biosolids particles exceeded 80 degrees Celsius. Fecal coliform testing was performed and the density of fecal coliform in the biosolids was <1000 MPN per gram of total solids (dry weight basis).

The vector attraction reduction requirement was met through §503.33(b)(8). The percent solids of the biosolids that contains unstabilized solids generated in a primary wastewater treatment process shall be ≥90% based on the moisture content and total solids prior to mixing with other materials.

NTYPE 29: CA5 PR PELL PT VAR 90

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed: mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: Pinellas County Utilities
MAILING ADDRESS: 14 South Ft. Harrison Avenue
Clearwater, FL 33756

FACILITY: South Cross Bayou AWWTF
LOCATION: 7401 - 54th Avenue North
St. Petersburg, FL 33709

COUNTY: Pinellas

PERMIT NUMBER FL0040436

LIMIT: Final
CLASS SIZE: Major

REPORT: Monthly
GROUP: Domestic

MONITORING GROUP NUMBER: RMP-AA
MONITORING GROUP DESC: Class AA Residuals

NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: August 01, 2010 To: August 31, 2010

Parameter	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Nitrogen, Sludge, Tot, Dry Wt (as N)	Sample Measurement						
PARM Code 78470 + Mon. Site No. RMP-AA	Report (Mo. Avg.)	PER-CENT				Monthly	Grab
Phosphorus, Sludge, Tot, Dry Wt (as P)	Sample Measurement						
PARM Code 78478 + Mon. Site No. RMP-AA	Report (Mo. Avg.)	PER-CENT				Monthly	Grab
Potassium, Sludge, Tot, Dry Wt (as K)	Sample Measurement						
PARM Code 78472 + Mon. Site No. RMP-AA	Report (Mo. Avg.)	PER-CENT				Monthly	Grab
Arsenic Total, Dry Weight, Sludge	Sample Measurement		6.3	6.3	0		
PARM Code 49565 + Mon. Site No. RMP-AA	Report (Mo. Avg.)		41.0 (Mo. Avg.)	75.0 (Max.)		Monthly	Composite
Cadmium, Sludge, Tot, Dry Weight (as Cd)	Sample Measurement		1.6	1.6	0		
PARM Code 78476 + Mon. Site No. RMP-AA	Report (Mo. Avg.)		39.0 (Mo. Avg.)	85.0 (Max.)		Monthly	Composite
Copper, Sludge, Tot, Dry Wt (as Cu)	Sample Measurement		677	677	0		
PARM Code 78475 + Mon. Site No. RMP-AA	Report (Mo. Avg.)		1500.0 (Mo. Avg.)	4300.0 (Max.)		Monthly	Composite

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a 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)
James Dulaney - Wastewater Treatment Manager		727-582-7015	10/09/27

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

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: South Cross Bayou AWWTF

MONITORING GROUP NUMBER: RMP-AA
MONITORING PERIOD From: August 01, 2010 To:

PERMIT NUMBER: FL0040436
August 31, 2010

Parameter	Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Lead, Dry Weight, Sludge	Sample Measurement		21.7	21.7		0		
PARM Code 78468 + Mon.Site No. RMP-AA	Permit Requirement		300.0 (Mo.Avg.)	840.0 (Max.)	MG/KG		Monthly	Composite
Mercury, Dry Weight, Sludge	Sample Measurement		0.7	0.7		0		
PARM Code 78471 + Mon.Site No. RMP-AA	Permit Requirement		17.0 (Mo.Avg.)	57.0 (Max.)	MG/KG		Monthly	Composite
Molybdenum, Dry Weight, Sludge	Sample Measurement		2.1			0		
PARM Code 78465 + Mon.Site No. RMP-AA	Permit Requirement		75.0 (Max.)		MG/KG		Monthly	Composite
Nickel, Dry Weight, Sludge	Sample Measurement		19.8	19.8		0		
PARM Code 78469 + Mon.Site No. RMP-AA	Permit Requirement		420.0 (Mo.Avg.)	420.0 (Max.)	MG/KG		Monthly	Composite
Selenium Sludge Solid	Sample Measurement		6.1	6.1		0		
PARM Code 61518 + Mon.Site No. RMP-AA	Permit Requirement		100.0 (Mo.Avg.)	100.0 (Max.)	MG/KG		Monthly	Composite
Zinc, Dry Weight, Sludge	Sample Measurement		731	731		0		
PARM Code 78467 + Mon.Site No. RMP-AA	Permit Requirement		2800.0 (Mo.Avg.)	7500.0 (Max.)	MG/KG		Monthly	Composite
pH	Sample Measurement		6.50	6.50		0		
PARM Code 00400 + Mon.Site No. RMP-AA	Permit Requirement		Report (Mo.Avg.)	Report (Max.)	SU		Monthly	Grab
Solids, Total, Sludge, Percent	Sample Measurement		92.0	92.0		0		
PARM Code 61553 + Mon.Site No. RMP-AA	Permit Requirement		Report (Mo.Avg.)	Report (Max.)	PER-CENT		Monthly	Grab
Coliform, Fecal*	Sample Measurement	<2				0		
PARM Code 74055 + Mon.Site No. RMP-AA	Permit Requirement	1000.0 (Max.)			MPN/G		Monthly	Grab
Salmonella Sludge*	Sample Measurement							
PARM Code 71204 + Mon.Site No. RMP-AA	Permit Requirement	3.0 (Max.)			MPN/4G		Monthly	Grab

• Either Fecal Coliform or Salmonella in accordance with EPA 503.32(a)(3) - (8).

Processing Records Summary

[illegible]

CERTIFICATION STATEMENT

South Cross Bayou Water Reclamation Facility

FDEP Permit Number FL0040436

(Person who Prepares - 503.17)

I certify, under penalty of law, that the Class A pathogen requirements in 503.32 have been met using method "PFRP Heat Drying". Vector attraction reduction requirements in 503.33 have been met using method "Percent Solids Exceeds 90%". This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the pathogen requirements and vector attraction reduction requirements are met. I am aware that there are significant penalties for false certification, including the possibility of fine and imprisonment.

Person Who Prepares:


James Dulaney
Wastewater Treatment Manager
South Cross Bayou AWWRF

September 2010 Information

CERTIFICATION

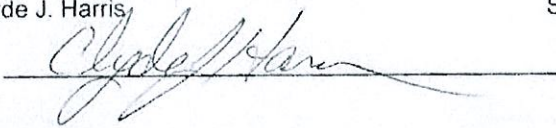
"I certify, under penalty of law, that the information that will be used to determine compliance with the Class A pathogen requirements in §503.32(a) and the vector attraction reduction requirement in §503.33(b)(8) was prepared under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate this information. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment."

Project(s): South Cross Bayou WRF Pelletizing Facility

Reporting Period: September 2010

Name: Clyde J. Harris

Synagro

Signature: 

Date: 01-October-2010

The Class A pathogen requirements were met through §503.32(a)(7). The Process to Further Reduce Pathogens was Heat Drying (Appendix B, B.2.). The biosolids were dried by direct or indirect contact with hot gases to reduce the moisture content to 10% or lower. The temperature of the biosolids particles exceeded 80 degrees Celsius. Fecal coliform testing was performed and the density of fecal coliform in the biosolids was <1000 MPN per gram of total solids (dry weight basis).

The vector attraction reduction requirement was met through §503.33(b)(8). The percent solids of the biosolids that contains unstabilized solids generated in a primary wastewater treatment process shall be ≥90% based on the moisture content and total solids prior to mixing with other materials.

NTYPE 29: CA5 PR PELL PT VAR 90

DEPARTMENT OF ENVIRONMENTAL PROTECTION N DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: Pinellas County Utilities
MAILING ADDRESS: 14 South Ft. Harrison Avenue
Clearwater, FL 33756

FACILITY: South Cross Bayou AWWTF
LOCATION: 7401 - 54th Avenue North
St. Petersburg, FL 33709

COUNTY: Pinellas

PERMIT NUMBER FL0040436

LIMIT: Final
CLASS SIZE: Major

REPORT: Monthly
GROUP: Domestic

MONITORING GROUP NUMBER: RMP-AA
MONITORING GROUP DESC: Class AA Residuals

NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: September 01, 2010 To: September 30, 2010

Parameter	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Nitrogen, Sludge, Tot, Dry Wt (as N)	5.4						
PARM Code 78470 + Mon. Site No. RMP-AA	Report (Mo. Avg.)	PER-CENT				Monthly	Grab
Phosphorus, Sludge, Tot, Dry Wt (as P)	3.4						
PARM Code 78478 + Mon. Site No. RMP-AA	Report (Mo. Avg.)	PER-CENT				Monthly	Grab
Potassium, Sludge, Tot, Dry Wt (as K)	0.32						
PARM Code 78472 + Mon. Site No. RMP-AA	Report (Mo. Avg.)	PER-CENT				Monthly	Grab
Arsenic Total, Dry Weight, Sludge			8.6	8.6	0		
PARM Code 49565 + Mon. Site No. RMP-AA			41.0 (Mo. Avg.)	75.0 (Max.)		Monthly	Composite
Cadmium, Sludge, Tot, Dry Weight (as Cd)			3.9	3.9	0		
PARM Code 78476 + Mon. Site No. RMP-AA			39.0 (Mo. Avg.)	85.0 (Max.)		Monthly	Composite
Copper, Sludge, Tot, Dry Wt. (as Cu)			815	815	0		
PARM Code 78475 + Mon. Site No. RMP-AA			1500.0 (Mo. Avg.)	4300.0 (Max.)		Monthly	Composite

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a 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)
James Dulaney - Wastewater Treatment Manager		727-582-7015	10/10/27

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

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: South Cross Bayou AWWTF

MONITORING GROUP NUMBER: RMP-AA
MONITORING PERIOD From: September 01, 2010

PERMIT NUMBER: FL0040436
To: September 30, 2010

Parameter	Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Lead, Dry Weight, Sludge	Sample Measurement		27.5	27.5		0		
PARM Code 78468 + Mon.Site No. RMP-AA	Permit Requirement		300.0 (Mo.Avg.)	840.0 (Max.)	MG/KG		Monthly	Composite
Mercury, Dry Weight, Sludge	Sample Measurement		0.5	0.5		0		
PARM Code 78471 + Mon.Site No. RMP-AA	Permit Requirement		17.0 (Mo.Avg.)	57.0 (Max.)	MG/KG		Monthly	Composite
Molybdenum, Dry Weight, Sludge	Sample Measurement		2.6			0		
PARM Code 78465 + Mon.Site No. RMP-AA	Permit Requirement		75.0 (Max.)		MG/KG		Monthly	Composite
Nickel, Dry Weight, Sludge	Sample Measurement		24.5	24.5		0		
PARM Code 78469 + Mon.Site No. RMP-AA	Permit Requirement		420.0 (Mo.Avg.)	420.0 (Max.)	MG/KG		Monthly	Composite
Selenium Sludge Solid	Sample Measurement		5.7	5.7		0		
PARM Code 61518 + Mon.Site No. RMP-AA	Permit Requirement		100.0 (Mo.Avg.)	100.0 (Max.)	MG/KG		Monthly	Composite
Zinc, Dry Weight, Sludge	Sample Measurement		847	847		0		
PARM Code 78467 + Mon.Site No. RMP-AA	Permit Requirement		2800.0 (Mo.Avg.)	7500.0 (Max.)	MG/KG		Monthly	Composite
pH	Sample Measurement		6.70	6.70		0		
PARM Code 00400 + Mon.Site No. RMP-AA	Permit Requirement		Report (Mo.Avg.)	Report (Max.)	SU		Monthly	Grab
Solids, Total, Sludge, Percent	Sample Measurement		91.6	91.6		0		
PARM Code 61553 + Mon.Site No. RMP-AA	Permit Requirement		Report (Mo.Avg.)	Report (Max.)	PER-CENT		Monthly	Grab
Coliform, Fecal*	Sample Measurement	6.3				0		
PARM Code 74055 + Mon.Site No. RMP-AA	Permit Requirement	1000.0 (Max.)			MPN/G		Monthly	Grab
Salmonella Sludge*	Sample Measurement							
PARM Code 71204 + Mon.Site No. RMP-AA	Permit Requirement	3.0 (Max.)			MPN/4G		Monthly	Grab

- Either Fecal Coliform or Salmonella in accordance with EPA 503.32(a)(3) - (8).

Processing Records Summary

[illegible]

CERTIFICATION STATEMENT

South Cross Bayou Water Reclamation Facility

FDEP Permit Number FL0040436

(Person who Prepares - 503.17)

I certify, under penalty of law, that the Class A pathogen requirements in 503.32 have been met using method "PFRP Heat Drying". Vector attraction reduction requirements in 503.33 have been met using method "Percent Solids Exceeds 90%". This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the pathogen requirements and vector attraction reduction requirements are met. I am aware that there are significant penalties for false certification, including the possibility of fine and imprisonment.

Person Who Prepares:


James Dulaney
Wastewater Treatment Manager
South Cross Bayou AWWRF

October 2010 Information

CERTIFICATION

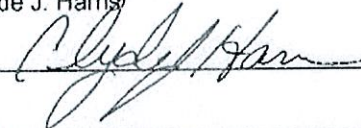
"I certify, under penalty of law, that the information that will be used to determine compliance with the Class A pathogen requirements in §503.32(a) and the vector attraction reduction requirement in §503.33(b)(8) was prepared under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate this information. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment."

Project(s): South Cross Bayou WRF Pelletizing Facility

Reporting Period: October 2010

Name: Clyde J. Harris

Synagro

Signature: 

Date: 01-November-2010

The Class A pathogen requirements were met through §503.32(a)(7). The Process to Further Reduce Pathogens was Heat Drying (Appendix B, B.2.). The biosolids were dried by direct or indirect contact with hot gases to reduce the moisture content to 10% or lower. The temperature of the biosolids particles exceeded 80 degrees Celsius. Fecal coliform testing was performed and the density of fecal coliform in the biosolids was <1000 MPN per gram of total solids (dry weight basis).

The vector attraction reduction requirement was met through §503.33(b)(8). The percent solids of the biosolids that contains unstabilized solids generated in a primary wastewater treatment process shall be $\geq 90\%$ based on the moisture content and total solids prior to mixing with other materials.

NTYPE 29: CA5 PR PELL PT VAR 90

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: Pinellas County Utilities
MAILING ADDRESS: 14 South Ft. Harrison Avenue
Clearwater, FL 33756

PERMIT NUMBER FL0040436

LIMIT: Final Major
CLASS SIZE: Final Major
REPORT: Monthly Domestic
GROUP: Domestic

FACILITY: South Cross Bayou AWWTF
LOCATION: 7401 - 54th Avenue North
St. Petersburg, FL 33709

MONITORING GROUP NUMBER: RMP-AA
MONITORING GROUP DESC: Class AA Residuals

COUNTY: Pinellas

NO DISCHARGE FROM SITE: ☐
MONITORING PERIOD From: October 01, 2010 To: October 31, 2010

Parameter	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Nitrogen, Sludge, Tot, Dry Wt (as N)	5.4						
PARM Code 78470 + Mon.Site No. RMP-AA	Report (Mo.Avg.)	PER-CENT				Monthly	Grab
Phosphorus, Sludge, Tot, Dry Wt (as P)	2.1						
PARM Code 78478 + Mon.Site No. RMP-AA	Report (Mo.Avg.)	PER-CENT				Monthly	Grab
Potassium, Sludge, Tot, Dry Wt (as K)	0.25						
PARM Code 78472 + Mon.Site No. RMP-AA	Report (Mo.Avg.)	PER-CENT				Monthly	Grab
Arsenic Total, Dry Weight, Sludge			6.1	6.1	0		
PARM Code 49565 + Mon.Site No. RMP-AA			41.0 (Mo.Avg.)	75.0 (Max.)		Monthly	Composite
Cadmium, Sludge, Tot, Dry Weight (as Cd)			1.1	1.1	0		
PARM Code 78476 + Mon.Site No. RMP-AA			39.0 (Mo.Avg.)	85.0 (Max.)		Monthly	Composite
Copper, Sludge, Tot, Dry Wt. (as Cu)			560	560	0		
PARM Code 78475 + Mon.Site No. RMP-AA			1500.0 (Mo.Avg.)	4300.0 (Max.)		Monthly	Composite

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a 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)
James Dulaney - Wastewater Treatment Manager		727-582-7015	10/11/26

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

DISCHARGE MONITORING PORT - PART A (Continued)

FACILITY: South Cross Bayou AWWTF

MONITORING GROUP NUMBER: RMP-AA

PERMIT NUMBER: FL0040436

MONITORING PERIOD From: October 01, 2010

To:

October 31, 2010

Parameter	Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Lead, Dry Weight, Sludge	Sample Measurement		17.0	17.0		0		
PARM Code 78468 + Mon.Site No. RMP-AA	Permit Requirement		300.0 (Mo.Avg.)	840.0 (Max.)	MG/KG		Monthly	Composite
Mercury, Dry Weight, Sludge	Sample Measurement		0.31	0.31		0		
PARM Code 78471 + Mon.Site No. RMP-AA	Permit Requirement		17.0 (Mo.Avg.)	57.0 (Max.)	MG/KG		Monthly	Composite
Molybdenum, Dry Weight, Sludge	Sample Measurement		5.8			0		
PARM Code 78465 + Mon.Site No. RMP-AA	Permit Requirement		75.0 (Max.)		MG/KG		Monthly	Composite
Nickel, Dry Weight, Sludge	Sample Measurement		14.0	14.0		0		
PARM Code 78469 + Mon.Site No. RMP-AA	Permit Requirement		420.0 (Mo.Avg.)	420.0 (Max.)	MG/KG		Monthly	Composite
Selenium Sludge Solid	Sample Measurement		4.6	4.6		0		
PARM Code 61518 + Mon.Site No. RMP-AA	Permit Requirement		100.0 (Mo.Avg.)	100.0 (Max.)	MG/KG		Monthly	Composite
Zinc, Dry Weight, Sludge	Sample Measurement		570	570		0		
PARM Code 78467 + Mon.Site No. RMP-AA	Permit Requirement		2800.0 (Mo.Avg.)	7500.0 (Max.)	MG/KG		Monthly	Composite
pH	Sample Measurement		6.53	6.53		0		
PARM Code 00400 + Mon.Site No. RMP-AA	Permit Requirement		Report (Mo.Avg.)	Report (Max.)	SU		Monthly	Grab
Solids, Total, Sludge, Percent	Sample Measurement		91.1	91.1		0		
PARM Code 61553 + Mon.Site No. RMP-AA	Permit Requirement		Report (Mo.Avg.)	Report (Max.)	PER-CENT		Monthly	Grab
Coliform, Fecal*	Sample Measurement	<2				0		
PARM Code 74055 + Mon.Site No. RMP-AA	Permit Requirement	1000.0 (Max.)			MPN/G		Monthly	Grab
Salmonella Sludge*	Sample Measurement							
PARM Code 71204 + Mon.Site No. RMP-AA	Permit Requirement	3.0 (Max.)			MPN/4G		Monthly	Grab

- Either Fecal Coliform or Salmonella in accordance with EPA 503.32(a)(3) - (8).

Processing Records Summary

[illegible]

CERTIFICATION STATEMENT

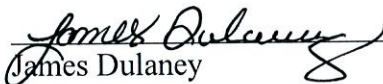
South Cross Bayou Water Reclamation Facility

FDEP Permit Number FL0040436

(Person who Prepares - 503.17)

I certify, under penalty of law, that the Class A pathogen requirements in 503.32 have been met using method "PFRP Heat Drying". Vector attraction reduction requirements in 503.33 have been met using method "Percent Solids Exceeds 90%". This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the pathogen requirements and vector attraction reduction requirements are met. I am aware that there are significant penalties for false certification, including the possibility of fine and imprisonment.

Person Who Prepares:


James Dulaney
Wastewater Treatment Manager
South Cross Bayou AWWRF

November 2010 Information

CERTIFICATION

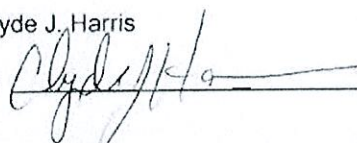
"I certify, under penalty of law, that the information that will be used to determine compliance with the Class A pathogen requirements in §503.32(a) and the vector attraction reduction requirement in §503.33(b)(8) was prepared under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate this information. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment."

Project(s): South Cross Bayou WRF Pelletizing Facility

Reporting Period: November 2010

Name: Clyde J. Harris

Synagro

Signature: 

Date: 03-December-2010

The Class A pathogen requirements were met through §503.32(a)(7). The Process to Further Reduce Pathogens was Heat Drying (Appendix B, B.2.). The biosolids were dried by direct or indirect contact with hot gases to reduce the moisture content to 10% or lower. The temperature of the biosolids particles exceeded 80 degrees Celsius. Fecal coliform testing was performed and the density of fecal coliform in the biosolids was <1000 MPN per gram of total solids (dry weight basis).

The vector attraction reduction requirement was met through §503.33(b)(8). The percent solids of the biosolids that contains unstabilized solids generated in a primary wastewater treatment process shall be ≥90% based on the moisture content and total solids prior to mixing with other materials.

NTYPE 29: CA5 PR PELL PT VAR 90

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed: **mail this report to:** Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: Pinellas County Utilities
 MAILING ADDRESS: 14 South Ft. Harrison Avenue
 Clearwater, FL 33756

FACILITY: South Cross Bayou AWWTF
 LOCATION: 7401 - 54th Avenue North
 St. Petersburg, FL 33709

COUNTY: Pinellas

PERMIT NUMBER: FL0040436
 LIMIT: Final
 CLASS SIZE: Major

REPORT: Monthly
 GROUP: Domestic

MONITORING GROUP NUMBER: RMP-AA
 MONITORING GROUP DESC: Class AA Residuals

NO DISCHARGE FROM SITE: ☐ From: November 01, 2010 To: November 30, 2010
 MONITORING PERIOD

Parameter	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Nitrogen, Sludge, Tot, Dry Wt (as N)	5.2						
PARM Code 78470 + Mon. Site No. RMP-AA	Report (Mo. Avg.)	PER-CENT				Monthly	Grab
Phosphorus, Sludge, Tot, Dry Wt (as P)	1.7						
PARM Code 78478 + Mon. Site No. RMP-AA	Report (Mo. Avg.)	PER-CENT				Monthly	Grab
Potassium, Sludge, Tot, Dry Wt (as K)	0.35						
PARM Code 78472 + Mon. Site No. RMP-AA	Report (Mo. Avg.)	PER-CENT				Monthly	Grab
Arsenic Total, Dry Weight, Sludge			8.1	8.1	0		
PARM Code 49565 + Mon. Site No. RMP-AA			41.0 (Mo. Avg.)	75.0 (Max.)		Monthly	Composite
Cadmium, Sludge, Tot, Dry Weight (as Cd)			2.1	2.1	0		
PARM Code 78476 + Mon. Site No. RMP-AA			39.0 (Mo. Avg.)	85.0 (Max.)		Monthly	Composite
Copper, Sludge, Tot, Dry Wt. (as Cu)			790	790	0		
PARM Code 78475 + Mon. Site No. RMP-AA			1500.0 (Mo. Avg.)	4300.0 (Max.)		Monthly	Composite

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a 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)
James Dulaney - Wastewater Treatment Manager		727-582-7015	10/12/24

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

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: South Cross Bayou AWWTF

MONITORING GROUP NUMBER: RMP-AA
MONITORING PERIOD From: November 01, 2010 To:

PERMIT NUMBER: FL0040436
November 30, 2010

Parameter	Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Lead, Dry Weight, Sludge	Sample Measurement		26.0	26.0		0		
PARM Code 78468 + Mon. Site No. RMP-AA	Permit Requirement		300.0 (Mo. Avg.)	840.0 (Max.)	MG/KG		Monthly	Composite
Mercury, Dry Weight, Sludge	Sample Measurement		0.28	0.28		0		
PARM Code 78471 + Mon. Site No. RMP-AA	Permit Requirement		17.0 (Mo. Avg.)	57.0 (Max.)	MG/KG		Monthly	Composite
Molybdenum, Dry Weight, Sludge	Sample Measurement		8.9			0		
PARM Code 78465 + Mon. Site No. RMP-AA	Permit Requirement		75.0 (Max.)		MG/KG		Monthly	Composite
Nickel, Dry Weight, Sludge	Sample Measurement		21.0	21.0		0		
PARM Code 78469 + Mon. Site No. RMP-AA	Permit Requirement		420.0 (Mo. Avg.)	420.0 (Max.)	MG/KG		Monthly	Composite
Selenium Sludge Solid	Sample Measurement		6.9	6.9		0		
PARM Code 61518 + Mon. Site No. RMP-AA	Permit Requirement		100.0 (Mo. Avg.)	100.0 (Max.)	MG/KG		Monthly	Composite
Zinc, Dry Weight, Sludge	Sample Measurement		850	850		0		
PARM Code 78467 + Mon. Site No. RMP-AA	Permit Requirement		2800.0 (Mo. Avg.)	7500.0 (Max.)	MG/KG		Monthly	Composite
pH	Sample Measurement		6.75	6.75		0		
PARM Code 00400 + Mon. Site No. RMP-AA	Permit Requirement		Report (Mo. Avg.)	Report (Max.)	SU		Monthly	Grab
Solids, Total, Sludge, Percent	Sample Measurement		91.2	91.2		0		
PARM Code 61553 + Mon. Site No. RMP-AA	Permit Requirement		Report (Mo. Avg.)	Report (Max.)	PER- CENT		Monthly	Grab
Coliform, Fecal*	Sample Measurement	<2				0		
PARM Code 74055 + Mon. Site No. RMP-AA	Permit Requirement	1000.0 (Max.)			MPN/G		Monthly	Grab
Salmonella Sludge*	Sample Measurement							
PARM Code 71204 + Mon. Site No. RMP-AA	Permit Requirement	3.0 (Max.)			MPN/4G		Monthly	Grab

- Either Fecal Coliform or Salmonella in accordance with EPA 503.32(a)(3) - (8).

Processing Records Summary

[illegible]

CERTIFICATION STATEMENT

South Cross Bayou Water Reclamation Facility

FDEP Permit Number FL0040436

(Person who Prepares - 503.17)

I certify, under penalty of law, that the Class A pathogen requirements in 503.32 have been met using method "PFRP Heat Drying". Vector attraction reduction requirements in 503.33 have been met using method "Percent Solids Exceeds 90%". This determination has been made under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate the information used to determine that the pathogen requirements and vector attraction reduction requirements are met. I am aware that there are significant penalties for false certification, including the possibility of fine and imprisonment.

Person Who Prepares:



James Dulaney
Wastewater Treatment Manager
South Cross Bayou AWWRF

December 2010 Information

CERTIFICATION

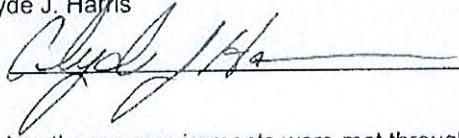
"I certify, under penalty of law, that the information that will be used to determine compliance with the Class A pathogen requirements in §503.32(a) and the vector attraction reduction requirement in §503.33(b)(8) was prepared under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate this information. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment."

Project(s): South Cross Bayou WRF Pelletizing Facility

Reporting Period: December 2010

Name: Clyde J. Harris

Synagro

Signature: 

Date: 03-January-2011

The Class A pathogen requirements were met through §503.32(a)(7). The Process to Further Reduce Pathogens was Heat Drying (Appendix B, B.2.). The biosolids were dried by direct or indirect contact with hot gases to reduce the moisture content to 10% or lower. The temperature of the biosolids particles exceeded 80 degrees Celsius. Fecal coliform testing was performed and the density of fecal coliform in the biosolids was <1000 MPN per gram of total solids (dry weight basis).

The vector attraction reduction requirement was met through §503.33(b)(8). The percent solids of the biosolids that contains unstabilized solids generated in a primary wastewater treatment process shall be ≥90% based on the moisture content and total solids prior to mixing with other materials.

NTYPE 29: CA5 PR PELL PT VAR 90

DEPARTMENT OF ENVIRONMENTAL PROTECTION N DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: Pinellas County Utilities
 MAILING ADDRESS: 14 South Ft. Harrison Avenue
 Clearwater, FL 33756

PERMIT NUMBER FL0040436

LIMIT: Final
 CLASS SIZE: Major
 REPORT: Monthly
 GROUP: Domestic

FACILITY: South Cross Bayou AWWTF
 LOCATION: 7401 - 54th Avenue North
 St. Petersburg, FL 33709

MONITORING GROUP NUMBER: RMP-AA
 MONITORING GROUP DESC: Class AA Residuals

COUNTY: Pinellas

NO DISCHARGE FROM SITE: ☐
 MONITORING PERIOD From: December 01, 2010 To: December 31, 2010

Parameter	Sample Measurement	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
Nitrogen, Sludge, Tot, Dry Wt (as N)	Sample Measurement	6.4						
PARM Code 78470 + Mon. Site No. RMP-AA	Permit Requirement	Report (Mo. Avg.)	PER-CENT				Monthly	Grab
Phosphorus, Sludge, Tot, Dry Wt (as P)	Sample Measurement	3.0						
PARM Code 78478 + Mon. Site No. RMP-AA	Permit Requirement	Report (Mo. Avg.)	PER-CENT				Monthly	Grab
Potassium, Sludge, Tot, Dry Wt (as K)	Sample Measurement	0.30						
PARM Code 78472 + Mon. Site No. RMP-AA	Permit Requirement	Report (Mo. Avg.)	PER-CENT				Monthly	Grab
Arsenic Total, Dry Weight, Sludge	Sample Measurement			7.0		0		
PARM Code 49565 + Mon. Site No. RMP-AA	Permit Requirement			41.0 (Mo. Avg.)	MG/KG		Monthly	Composite
Cadmium, Sludge, Tot, Dry Weight (as Cd)	Sample Measurement			2.6		0		
PARM Code 78476 + Mon. Site No. RMP-AA	Permit Requirement			39.0 (Mo. Avg.)	MG/KG		Monthly	Composite
Copper, Sludge, Tot, Dry Wt. (as Cu)	Sample Measurement			600		0		
PARM Code 78475 + Mon. Site No. RMP-AA	Permit Requirement			1500.0 (Mo. Avg.)	MG/KG		Monthly	Composite

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a 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)
James Dulaney - Wastewater Treatment Manager		727-582-7015	11/01/26

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

DISCHARGE MONITORIN EPORT - PART A (Continued)

FACILITY: South Cross Bayou AWWTF

MONITORING GROUP NUMBER: RMP-AA
MONITORING PERIOD From: November 01, 2010

PERMIT NUMBER: FL0040436
To: November 30, 2010

Parameter	Quantity or Loading	Units	Quality or Concentration		Units	No. Ex.	Frequency of Analysis	Sample Type
Lead, Dry Weight, Sludge	Sample Measurement		29.0	29.0		0		
PARM Code 78468 + Mon. Site No. RMP-AA	Permit Requirement		300.0 (Mo. Avg.)	840.0 (Max.)	MG/KG		Monthly	Composite
Mercury, Dry Weight, Sludge	Sample Measurement		0.10	0.10		0		
PARM Code 78471 + Mon. Site No. RMP-AA	Permit Requirement		17.0 (Mo. Avg.)	57.0 (Max.)	MG/KG		Monthly	Composite
Molybdenum, Dry Weight, Sludge	Sample Measurement		8.6			0		
PARM Code 78465 + Mon. Site No. RMP-AA	Permit Requirement		75.0 (Max.)		MG/KG		Monthly	Composite
Nickel, Dry Weight, Sludge	Sample Measurement		21.0	21.0		0		
PARM Code 78469 + Mon. Site No. RMP-AA	Permit Requirement		420.0 (Mo. Avg.)	420.0 (Max.)	MG/KG		Monthly	Composite
Selenium Sludge Solid	Sample Measurement		5.9	5.9		0		
PARM Code 61518 + Mon. Site No. RMP-AA	Permit Requirement		100.0 (Mo. Avg.)	100.0 (Max.)	MG/KG		Monthly	Composite
Zinc, Dry Weight, Sludge	Sample Measurement		740	740		0		
PARM Code 78467 + Mon. Site No. RMP-AA	Permit Requirement		2800.0 (Mo. Avg.)	7500.0 (Max.)	MG/KG		Monthly	Composite
pH	Sample Measurement		6.88	6.88		0		
PARM Code 00400 + Mon. Site No. RMP-AA	Permit Requirement		Report (Mo. Avg.)	Report (Max.)	SU		Monthly	Grab
Solids, Total, Sludge, Percent	Sample Measurement		92.6	92.6		0		
PARM Code 61553 + Mon. Site No. RMP-AA	Permit Requirement		Report (Mo. Avg.)	Report (Max.)	PER-CENT		Monthly	Grab
Coliform, Fecal*	Sample Measurement	<2				0		
PARM Code 74055 + Mon. Site No. RMP-AA	Permit Requirement	1000.0 (Max.)			MPN/G		Monthly	Grab
Salmonella Sludge*	Sample Measurement							
PARM Code 71204 + Mon. Site No. RMP-AA	Permit Requirement	3.0 (Max.)			MPN/4G		Monthly	Grab

- Either Fecal Coliform or Salmonella in accordance with EPA 503.32(a)(3) - (8).

Processing Records Summary

[illegible]