



Florida Department of Environmental Protection

Twin Towers Office Bldg., 2600 Blair Stone Road, Tallahassee, Florida 32399-2400

Residuals Annual Summary

RECEIVED

APR 04 2011

FACILITY ID: **FLA014334**

Part I-Facility Information

FACILITY NAME:

DAMON UTILITIES INC. AKA: CASA DEL LAGO

MAILING ADDRESS:

47 LAKE DAMON DRIVE

AVON PARK, FL 33825

D.E.P. South District

MONITORING PERIOD-- From: **1/1/2010** To: **12/31/2010**

Total Quantity of Residuals Applied during the Period: **1.01** dry tons

Total Number of Residuals Land Application Sites Used during Reporting Period: **1** (Parts II and III should address all residuals land application sites used)

Update of Residuals Characteristics (arithmetic average of all samples taken pursuant to Rule 62-640.650(1), F.A.C., during the reporting period):

Parameter	Units*	Ceiling Limits For Class A and B	Concentration	Parameter (continued)	Units	Ceiling Limits For Class A and B	Concentration
Total Nitrogen	%	N/A	6.63	Copper	mg/Kg	4300	535.00
Total Phosphorus	%	N/A	2.68	Lead	mg/Kg	840	13.00
Total Potassium	%	N/A	0.66	Mercury	mg/Kg	57	2.40
Total Solids	%	N/A	1.65	Molybdenum	mg/Kg	75	7.20
pH	s.u.	N/A	6.74	Nickel	mg/Kg	420	103.00
Arsenic	mg/Kg	75	63.00	Selenium	mg/Kg	100	14.00
Cadmium	mg/Kg	85	1.10	Zinc	mg/Kg	7500	810.00

*All units are in dry weight basis except for total solids and pH. All sampling and analysis shall be conducted pursuant to Title 40 Code of Federal Regulations, Section 503.8 and the POTW Sludge Sampling and Analysis Guidance Document.

N/A=Not Applicable

Pathogen Reduction Class (Rule 62-640.600(1), F.A.C.): ☐ A ☒ B (Rule 62-640.600(1), F.A.C.)

EPA Vector Attraction Reduction Option (Rule 62-640.600(2), F.A.C.):

☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
☒ 6 ☐ 7 ☐ 8 ☐ 9 ☐ 10

Certification

I certify under penalty of law that I have personally examined and am familiar with the information herein; and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT (Type or Print)	TELEPHONE NO.
Wendell L. Faircloth, Operator	(863) 471-1400
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	DATE (YY/MM/DD)
	11/03/17

Part II. Total Application of Residuals or Septage, Nutrients, and Trace Elements for Application Zones Used only By This Facility (attach a separate sheet "other solids," if applicable):

Facility Name: *DAMON UTILITIES INC. AKA: CASA DEL LAGO*

Site Name	Application Zone ID(s)	Crop(s)	Dry Tons Applied per Acre	Basin	Max N allowed*	N	P	K	As	Cd	Cu	Pb	Hg	Ni	Se	Zn
Flint Ranch/ Manatee	4	Bahia	0.0163	annual	260	2.16	0.86	0.22	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.03
				cummulative	N/A	N/A	489.06	19,659.31	0.11	0.09	38.82	0.59	0.03	0.40	0.17	27.50
				annual	165	2.01	0.81	0.20	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.02
Flint Ranch/ Manatee	5	Bahia	0.0152	cummulative	N/A	N/A	580.45	9,018.13	0.13	0.33	22.28	0.82	0.02	0.56	0.19	27.05
				annual	255	1.44	0.58	0.14	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.02
				cummulative	N/A	N/A	400.94	7,705.63	0.11	0.05	12.80	0.44	0.01	0.24	0.14	14.53
Flint Ranch/ Manatee	6	Bahia	0.0109													

(Enter all nutrient and trace element quantities in lbs/acre)

* Based on two (2) growing seasons per year

Part III. Total Application of Residuals or Septage, Nutrients, and Trace Elements for Application Zones Used By Multiple Facilities (attach a separate sheet "other solids," if applicable):

Site Name: Flint Ranch/ Manatee

Application Zone ID(s)	Crop(s)	Facility/ Facility ID	Dry Tons Applied per Acre	Max N allowed*	N	P	K	As	Cd	Cu	Pb	Hg	Ni	Se	Zn
4	Bahia	SUNRISE MHP WWTP	0.0115	400	2.57	0.5023	0.1009	0.0001	0.0001	0.0062	0.0005	0.0000	0.0004	0.0001	0.0429
		FLA011953													
4	Bahia	OAK VIEW MHP WWTP	0.0235	400	3.40	0.8688	0.2160	0.0001	0.0001	0.0085	0.0010	0.0000	0.0006	0.0002	0.0702
		FLA011956													
4	Bahia	CROSS CREEK CCRV RESORT WWTP	0.0555	400	11.89	2.5035	0.7524	0.0001	0.0001	0.0147	0.0005	0.0001	0.0008	0.0013	0.0805
		FLA011959													
4	Bahia	DESOTO VILLAGE WWTP	0.0089	400	1.70	0.3843	0.0907	0.0001	0.0000	0.0029	0.0002	0.0000	0.0002	0.0002	0.0139
		FLA011960													
4	Bahia	BIG TREE OF ARCADIA	0.0267	400	5.13	0.9277	0.2826	0.0002	0.0001	0.0091	0.0006	0.0000	0.0006	0.0009	0.0542
		FLA011961													
4	Bahia	LITTLE WILLES RV PARK	0.0097	400	2.01	0.3833	0.0678	0.0001	0.0000	0.0033	0.0001	0.0000	0.0002	0.0004	0.0227
		FLA011962													
4	Bahia	ARCADIA VILLAGE PHASE I WWTP	0.0887	400	14.21	3.4871	0.6331	0.0001	0.0002	0.0171	0.0011	0.0001	0.0015	0.0087	0.1590
		FLA011963													
4	Bahia	LAKE SUZY UTILITIES	0.0469	400	4.86	2.3806	0.5624	0.0000	0.0003	0.0302	0.0023	0.0000	0.0021	0.0010	0.1668
		FLA011964													
4	Bahia	LIVE OAK R.V. RESORT	0.0600	400	12.61	2.6894	0.6724	0.0001	0.0001	0.0134	0.0006	0.0001	0.0012	0.0017	0.1077
		FLA011969													
4	Bahia	Peace River Youth Academy	0.0149	400	1.11	0.7975	0.4062	0.0002	0.0002	0.0105	0.0003	0.0000	0.0009	0.0004	0.0173
		FLA011986													
4	Bahia	HOLIDAY PALMS RVP	0.0053	400	0.65	0.1555	0.0949	0.0000	0.0000	0.0042	0.0002	0.0000	0.0002	0.0001	0.0033
		FLA012143													
4	Bahia	MANATEE RVP	0.0053	400	0.57	0.1109	0.0836	0.0000	0.0000	0.0020	0.0002	0.0000	0.0001	0.0002	0.0076
		FLA012144													
4	Bahia	HILLSBOROUGH CORRECTIONAL	0.0704	400	7.37	1.6965	0.5280	0.0001	0.0001	0.0443	0.0012	0.0002	0.0013	0.0008	0.0643
		FLA012608													
4	Bahia	BURNT STORE COLONY MOBILE HOME PARK	0.0526	400	2.00	1.7253	0.1757	0.0002	0.0001	0.0109	0.0009	0.0002	0.0010	0.0006	0.0845
		FLA014086													
4	Bahia	Sun N Shade Campground WWTP	0.0248	400	2.83	1.1914	0.1986	0.0003	0.0001	0.0079	0.0007	0.0000	0.0008	0.0007	0.0408
		FLA014120													

(Enter all nutrient and trace element quantities in lbs/acre)

* Based on two (2) growing seasons per year

Part III. Total Application of Residuals or Septage, Nutrients, and Trace Elements for Application Zones Used By Multiple Facilities (attach a separate sheet "other solids," if applicable):

4	Bahia	REFLECTIONS ON SILVER LAKE INC.	0.0270	400	4.04	1.3677	0.4109	0.0003	0.0001	0.0120	0.0056	0.0000	0.0058	0.0008	0.0639
4	Bahia	FLA014332 DAMON UTILITIES INC. AKA. CASADEL LAJO	0.0163	400	2.16	0.8568	0.2179	0.0001	0.0000	0.0189	0.0004	0.0001	0.0026	0.0004	0.0283
4	Bahia	FLA014334 BUTTOWNWOOD BAY UTILITIES, INC.	0.0571	400	9.57	2.3061	1.1074	0.0001	0.0002	0.0169	0.0011	0.0001	0.0007	0.0013	0.0855
4	Bahia	FLA014348 Adeleide Shores	0.0280	400	5.89	0.7929	0.1798	0.0002	0.0001	0.0078	0.0026	0.0000	0.0004	0.0006	0.0522
4	Bahia	FLA014338 TROPICAL HARBOR MHP WWTF	0.0203	400	3.17	0.9722	0.3848	0.0001	0.0001	0.0052	0.0006	0.0000	0.0003	0.0005	0.0301
4	Bahia	FLA014371 Blue Septic Tank Service RMP	3.8749	400	248.64	87.5525	33.6642	0.0000	0.0111	3.6985	0.1222	0.0152	0.0842	0.0572	6.1415
4	Bahia	FLA016189 LAKE PLACID NORTH	0.2168	400	48.57	9.4976	1.6046	0.0006	0.0006	0.1609	0.0100	0.0015	0.0074	0.0056	0.7277
Annual Total		FLA281484	4.74	400	394.95	123.15	42.43	0.02	0.01	4.11	0.15	0.02	0.11	0.08	8.06
Cumulative Total			314.96		N/A	N/A	N/A	0.11	0.09	38.82	0.59	0.03	0.40	0.17	27.50
5	Bahia	OAK VIEW MHP WWTP	0.0148	400	2.77	0.4519	0.1152	0.0001	0.0000	0.0048	0.0002	0.0000	0.0003	0.0003	0.0246
5	Bahia	FLA011956 CROSS CREEK CCR/V RESORT WWTP	0.0538	400	12.49	2.3793	0.7106	0.0002	0.0001	0.0140	0.0006	0.0001	0.0008	0.0013	0.0792
5	Bahia	FLA011959 DESOTO VILLAGE WWTP	0.0220	400	4.20	0.9495	0.2242	0.0001	0.0001	0.0071	0.0004	0.0000	0.0006	0.0006	0.0342
5	Bahia	FLA011960 BIG TREE OF ARCADIA	0.0154	400	2.96	0.5348	0.1629	0.0001	0.0001	0.0052	0.0003	0.0000	0.0003	0.0005	0.0313
5	Bahia	FLA011961 LITTLE WILLIES RV PARK	0.0234	400	4.86	0.9260	0.1637	0.0001	0.0001	0.0080	0.0003	0.0000	0.0004	0.0009	0.0547
5	Bahia	FLA011962 ARCADIA VILLAGE PHASE I WWTP	0.0109	400	2.16	0.5168	0.1003	0.0001	0.0000	0.0025	0.0002	0.0000	0.0002	0.0003	0.0182
5	Bahia	FLA011963 LIVE OAK R.V. RESORT	0.0928	400	19.49	4.1572	1.0393	0.0001	0.0002	0.0208	0.0010	0.0001	0.0019	0.0026	0.1665
5	Bahia	FLA011969 HOLIDAY PALMS RVP	0.0065	400	0.79	0.1894	0.1156	0.0000	0.0000	0.0051	0.0002	0.0000	0.0002	0.0001	0.0040
5	Bahia	FLA012143 MAVATEE RVP	0.0045	400	0.49	0.0942	0.0710	0.0000	0.0000	0.0017	0.0001	0.0000	0.0001	0.0002	0.0065
		FLA012144													

(Enter all nutrient and trace element quantities in lbs/acre)
* Based on two (2) growing seasons per year

Part III. Total Application of Residuals or Septage, Nutrients, and Trace Elements for Application Zones Used By Multiple Facilities (attach a separate sheet "other solids," if applicable):

5	Bahia	HILLSBOROUGH CORRECTIONAL	0.0122	400	1.47	0.4399	0.1540	0.0001	0.0000	0.0056	0.0001	0.0001	0.0002	0.0002	0.0108
		FLA012608													
5	Bahia	BURNING STORE COLONY MOBILE HOME PARK	0.0205	400	0.78	0.6730	0.0685	0.0002	0.0000	0.0043	0.0003	0.0001	0.0004	0.0003	0.0330
		FLA014086													
5	Bahia	REFLECTIONS ON SILVER LAKE, INC.	0.0293	400	4.39	1.4848	0.4460	0.0003	0.0001	0.0130	0.0061	0.0000	0.0063	0.0009	0.0694
		FLA014332													
5	Bahia	DAWON UTILITIES INC. AKA CASA DEL LAGO	0.0152	400	2.01	0.8135	0.2003	0.0019	0.0000	0.0162	0.0004	0.0001	0.0031	0.0004	0.0246
		FLA014334													
5	Bahia	BUTTONWOOD BAY UTILITIES, INC.	0.0405	400	6.79	1.6371	0.7861	0.0004	0.0001	0.0120	0.0008	0.0001	0.0005	0.0009	0.0607
		FLA014348													
5	Bahia	Aselade Shores	0.0087	400	1.26	0.3361	0.1289	0.0001	0.0000	0.0016	0.0034	0.0000	0.0001	0.0002	0.0156
		FLA014358													
5	Bahia	TROPICAL HARBOR MHP WWTP	0.0168	400	2.63	0.8053	0.3188	0.0002	0.0001	0.0043	0.0005	0.0000	0.0003	0.0004	0.0249
		FLA014371													
5	Bahia	Blue Septic Tank Service RMF	2.3117	400	220.85	72.3813	15.4106	0.0000	0.0052	1.4692	0.0500	0.0066	0.0356	0.0187	3.1864
		FLA016189													
Annual Total		N/A	2.70	400	290.39	88.77	20.22	0.01	0.01	1.60	0.06	0.01	0.05	0.03	3.84
Cumulative Total			275.82		N/A	N/A	N/A	0.13	0.33	22.28	0.82	0.02	0.56	0.19	27.05
6	Bahia	CROSS CREEK CCRV RESORT WWTP	0.0212	400	4.93	0.9390	0.2804	0.0001	0.0000	0.0055	0.0002	0.0000	0.0003	0.0005	0.0313
		FLA011959													
6	Bahia	ARCADIA VILLAGE PHASE I WWTP	0.0183	400	3.62	0.8682	0.1685	0.0001	0.0000	0.0042	0.0003	0.0000	0.0004	0.0005	0.0306
		FLA011963													
6	Bahia	LIVE OAK R.V. RESORT	0.0105	400	1.78	0.5360	0.1361	0.0001	0.0000	0.0021	0.0000	0.0000	0.0002	0.0002	0.0188
		FLA011989													
6	Bahia	Peace River Youth Academy	0.0113	400	0.84	0.6044	0.3079	0.0001	0.0001	0.0080	0.0003	0.0000	0.0007	0.0003	0.0131
		FLA011986													
6	Bahia	HOLIDAY PALMS RVP	0.0021	400	0.26	0.0614	0.0375	0.0000	0.0000	0.0017	0.0001	0.0000	0.0001	0.0000	0.0013
		FLA012143													
6	Bahia	MANATEE RVP	0.0016	400	0.17	0.0328	0.0247	0.0000	0.0000	0.0006	0.0000	0.0000	0.0000	0.0001	0.0023
		FLA012144													
6	Bahia	HILLSBOROUGH CORRECTIONAL	0.0245	400	2.59	0.6067	0.1906	0.0001	0.0000	0.0152	0.0004	0.0001	0.0004	0.0003	0.0224
		FLA012608													
6	Bahia	Sun N Shade Campground WWTP	0.0282	400	3.22	1.3545	0.2257	0.0003	0.0001	0.0090	0.0008	0.0000	0.0009	0.0008	0.0464
		FLA014120													

(Enter all nutrient and trace element quantities in lbs/acre)

* Based on two (2) growing seasons per year

Part III. Total Application of Residuals or Septage, Nutrients, and Trace Elements for Application Zones Used By Multiple Facilities (attach a separate sheet "other solids," if applicable):

6	Bahia	REFLECTIONS ON SILVER LAKE, INC.	0.0307	400	4.60	1.5549	0.4671	0.0003	0.0001	0.0136	0.0064	0.0000	0.0066	0.0009	0.0726
6	Bahia	FLA014332 DAMON UTILITIES, INC. AKA: CASA DEL LAGO	0.0109	400	1.44	0.5823	0.1434	0.0014	0.0000	0.0116	0.0003	0.0001	0.0022	0.0003	0.0176
6	Bahia	FLA014334 BUTTOWOOD BAY UTILITIES, INC.	0.0083	400	1.38	0.3334	0.1601	0.0001	0.0000	0.0024	0.0002	0.0000	0.0001	0.0002	0.0124
6	Bahia	FLA014348 TROPICAL HARBOR MHP WWTF	0.0063	400	0.99	0.3034	0.1201	0.0001	0.0000	0.0016	0.0002	0.0000	0.0001	0.0002	0.0094
6	Bahia	FLA014371 Blue Septic Tank Service RWF	1.9975	400	188.54	61.5067	14.1197	0.0001	0.0041	0.9871	0.0480	0.0033	0.0242	0.0240	2.3784
6	Bahia	FLA016189 LAKE PLACID NORTH	0.1321	400	29.58	5.7842	0.9772	0.0007	0.0004	0.0980	0.0061	0.0009	0.0045	0.0034	0.4432
Annual Total			2.30	400	243.93	75.07	17.36	0.01	0.00	1.16	0.06	0.00	0.04	0.03	3.10
Cumulative Total			216.44	N/A	N/A	N/A	N/A	0.11	0.05	12.80	0.44	0.01	0.24	0.14	14.53

(Enter all nutrient and trace element quantities in lbs/acre)

* Based on two (2) growing seasons per year

Part IV - Reclamation Site Information (if applicable)

1. Describe the circumstances that have caused damage to the land and resulted in the need to perform land reclamation:

2. Describe the existing condition of the land:

3. Describe how the use of residuals on this site will be part of planned land reclamation activities.

4. Describe grading to be performed: (All site grading shall be completed before residuals application begins.)

5. Describe the method of incorporation into the soil that will be used: (The applied material shall be incorporated into the soil the same day as application, except for Class A residuals.)

6. Describe the type of vegetation to be established and the schedule for planting: (Seed or turf-forming grass shall be planted as soon as possible, but in no case later than three months after the last application of residuals.)

7. Describe the anticipated application quantity (dry tons/acre): (The maximum allowable application quantity is 50 dry tons/acre with such application to be accomplished one time within a one-year period on any acre of the site.)

Part V - Certifications

Permittee

The permittee certifies that he/she is familiar with and shall comply with the applicable requirements of Chapter 62-640, F.A.C.; shall allow land application of his/her residuals only on a site for which an Agricultural Use Plan has been approved by the Department; and that the residuals to be land applied shall meet the general criteria in Rule 62-640.700(1), F.A.C. and shall be treated to the standards as identified in this plan. The permittee also certifies that he/she shall maintain a record of the total quantity of residuals land applied at this site and will file with the Department an annual summary of the residuals applied on this site, and that the residuals hauler and application site owner or manager have been made aware of the provisions of this rule.

Signature of Permittee

Title

Date

Site Owner

The site owner certifies that he/she has been provided a copy of Chapter 62-640, F.A.C., and that the site information provided in this plan is accurate to the best of his/her knowledge.

Signature of Site Owner

Title

Date