



Florida Department of Environmental Protection

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

Residuals Annual Summary

Part I-Facility Information

FACILITY NAME:

POLK CORRECTIONAL INSTITUTE

FACILITY ID: **FLA013360**

MAILING ADDRESS:

3876 EVANS ROAD

POLK CITY, FL 33868

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

Total Quantity of Residuals Applied during the Period: **16.70** 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	7.06	Copper	mg/Kg	4300	13.70
Total Phosphorus	%	N/A	1.70	Lead	mg/Kg	840	0.22
Total Potassium	%	N/A	0.36	Mercury	mg/Kg	57	1.97
Total Solids	%	N/A	2.05	Molybdenum	mg/Kg	75	0.18
pH	s.u.	N/A	6.83	Nickel	mg/Kg	420	0.31
Arsenic	mg/Kg	75	0.07	Selenium	mg/Kg	100	0.32
Cadmium	mg/Kg	85	0.03	Zinc	mg/Kg	7500	8.25

*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.
<i>Bailey Barfoot / Environmental Administrator</i>	<i>850-410-4093</i>
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	DATE (YY/MM/DD)
<i>[Signature]</i>	<i>11/02/23</i>

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: POLK CORRECTIONAL INSTITUTE

Site Name	Application Zone ID(s)	Crop(s)	Dry Tons Applied per Acre	Basis	Max N allowed*	N	P	K	As	Cd	Cu	Pb	Hg	Ni	Se	Zn
7C-Carter Ranch	11	Bermuda	0.0729	annual	400	7.56	3.06	0.67	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.06
				cumulative	N/A	N/A	512.02	985.56	0.23	0.07	14.32	1.07	0.03	0.71	0.20	25.81
7C-Carter Ranch	13A	Bahia Grass	0.2291	annual	400	31.24	8.03	1.70	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.03
				cumulative	N/A	N/A	109.80	27.96	0.02	0.02	2.52	0.22	0.01	0.05	0.04	5.34
7C-Carter Ranch	13B	Bahia Grass	0.0148	annual	400	1.54	0.62	0.14	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.01
				cumulative	N/A	N/A	18.50	4.07	0.00	0.00	0.47	0.09	0.00	0.01	0.01	0.71

(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: **7C-Carter Ranch**

Application Zone ID(s)	Crop(s)	Facility	Dry Tons Applied per Acre	Max N allowed*	N	P	K	As	Cd	Cu	Pb	Hg	Ni	Se	Zn
11	Bahia Grass	AVON PARK CORRECTIONAL FL0040029	0.2168	400	24.46	11.3186	1.3877	0.0000	0.0007	0.1505	0.0104	0.0005	0.0061	0.0081	0.9892
11	Bahia Grass	MACDILL AIR FORCE BASE FLA012124	0.2795	400	26.38	10.6198	2.0122	0.0001	0.0022	0.7825	0.0140	0.0013	0.0157	0.0013	0.5142
11	Bahia Grass	CENTRAL REGIONAL WWTP FLA012969	1.4474	400	202.63	55.0006	11.8885	0.0003	0.0010	0.4632	0.0116	0.0004	0.0145	0.0078	1.1869
11	Bahia Grass	POLK CORRECTIONAL INSTITUTE FLA013360	0.0729	400	7.56	3.0603	0.5747	0.0000	0.0057	0.0947	0.0017	0.0003	0.0023	0.0023	0.0605
11	Bahia Grass	CITY OF AVON PARK WWTP FLA014313	0.5380	400	108.67	32.0634	7.2089	0.0001	0.0020	0.5509	0.1732	0.0008	0.0161	0.0108	1.1943
Annual Total		N/A	2.55	400	369.71	112.06	23.15	0.02	0.01	2.04	0.21	0.00	0.05	0.03	3.95
Cumulative Total			428.06		N/A	N/A	N/A	0.23	0.07	14.32	1.07	0.03	0.71	0.20	25.81
13A	Bermuda	AVON PARK CORRECTIONAL FL0040029	0.3924	400	53.15	22.3826	2.6359	0.0001	0.0012	0.2642	0.0173	0.0010	0.0110	0.0146	1.5327
13A	Bermuda	MACDILL AIR FORCE BASE FLA012124	0.3410	400	35.36	16.2314	2.8514	0.0001	0.0037	1.0918	0.0231	0.0014	0.0208	0.0045	0.8746
13A	Bermuda	POLK CORRECTIONAL INSTITUTE FLA013360	0.2291	400	31.24	8.0274	1.7028	0.0000	0.0023	0.0440	0.0008	0.0009	0.0011	0.0011	0.0279
13A	Bermuda	CITY OF AVON PARK WWTP FLA014313	1.2226	400	231.65	63.1610	20.7698	0.0000	0.0168	1.1223	0.1755	0.0017	0.0217	0.0188	2.8095
Annual Total		N/A	2.19	400	351.40	109.80	27.96	0.02	0.02	2.52	0.22	0.01	0.05	0.04	5.34
Cumulative Total			113.56		N/A	N/A	N/A	0.02	0.02	2.52	0.22	0.01	0.05	0.04	5.34
13B	Bahia Grass	MACDILL AIR FORCE BASE FLA012124	0.0646	400	6.09	2.4533	0.4648	0.0001	0.0005	0.1808	0.0032	0.0003	0.0036	0.0003	0.1188
13B	Bahia Grass	POLK CORRECTIONAL INSTITUTE FLA013360	0.0148	400	1.54	0.6228	0.1373	0.0000	0.0012	0.0193	0.0003	0.0001	0.0005	0.0005	0.0123
13B	Bahia Grass	CITY OF AVON PARK WWTP FLA014313	0.2588	400	52.27	15.4232	3.4676	0.0000	0.0010	0.2650	0.0833	0.0004	0.0078	0.0052	0.5745
Annual Total		N/A	0.34	400	59.91	18.50	4.07	0.00	0.00	0.47	0.09	0.00	0.01	0.01	0.71
Cumulative Total			28.36		N/A	N/A	N/A	0.00	0.00	0.47	0.09	0.00	0.01	0.01	0.71

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

* Based on two (2) growing seasons per year