



Pelletier
Clearwater
Northeast
Biosolids

CITY OF CLEARWATER

POST OFFICE BOX 4748, CLEARWATER, FLORIDA 33758-4748
1650 N. ARCTURAS AVENUE, BLDG. C., CLEARWATER, FLORIDA 33765-1945
TELEPHONE (727) 562-4960 FAX (727) 562-4963

PUBLIC UTILITIES

February 14, 2011

JD

Michele Duggan
Environmental Specialist
Domestic Wastewater Section
Dept. of Environmental Protection
13051 N. Telecom Parkway
Temple Terrace, FL 33637

Re: Annual Bio-solids Report

Dear Ms. Duggan,

Attached are the City of Clearwater's Marshall Street WRF Permit #FL0021857 and Northeast WRF Permit #FL00021865 Sludge Analysis, dry tons, disposal methods and locations, stabilization information, certification statements and the Residual Management Facility information.

We appreciate the continued good working relationship with your office. If you have any further questions or need any additional information, please contact me at (727) 562-4960 ext. 7222.

Sincerely,

Tracy Mercer
Tracy Mercer
Public Utilities Director

Attachments

Copies to: Tracy Mercer, Public Utilities Director
Nan Bennett, Assistant Public Utilities Director
Dave Porter, Wastewater Environmental Technologies Manager
Jeff Borden, WWTP Chief Operator, Northeast Plant
Jack Sadowski, WWTP Chief Operator, Marshall Street Plant

1 Sm
2/14/11

Dept. Of Environmental Protection
FEB 15 2011
Southwest District



"EQUAL EMPLOYMENT AND AFFIRMATIVE ACTION EMPLOYER"

City of Clearwater

2010

Annual Bio-Solids Report

1. Contact Information

2. Disposal Information – Northeast and Marshall St.

3. Residuals Annual Summary, Northeast

4. Residuals Annual Summary, Marshall St.

Dept. Of Environmental Protection

FEB 15 2011

Southwest District

to clear MS Biosolids

5. Anaerobic Digester % Volatile Reduction, Northeast

6. Anaerobic Digester % Volatile Reduction, Marshall St

to clear MS Biosolids

7. Bio-solids Fecal Coliform Geometric Mean
Northeast and Marshall St

8. Bio-solids Laboratory Reports, Northeast and
Marshall St

9. Certification Statement

City of Clearwater's Contact Information
January 2010-December 2010

Contact Persons

David Porter
Wastewater Environmental Technologies Manager
(727)562-4960 Ext. 7248

Katie Anding
Wastewater Environmental Technologies Coordinator
(727) 562-4960 Ext. 7224

Tracy Mercer
Public Utilities Director
(727)562-4960 Ext. 7222

Dept. Of Environmental Protection

FEB 15 2011

Southwest District

Public Utilities Department
1650 N. Arcturas Ave.
Building C
Clearwater, FL 33765

Address

City Of Clearwater Marshall Street AWWTP
1605 Harbor Drive
Clearwater, FL 33755

Location

Latitude 27°58'56" N Longitude 82°47'19"W

Address

City of Clearwater Northeast Plant AWWTP
3290 SR 580
Safety Harbor, FL 34695

Location

Latitude 28°01'18" N Longitude 82°42'18"

Disposal Information
January 1, 2010 - December 31, 2010

Liquid Gallons Transferred East AWWTF to Northeast AWWTF

3,204,000

Northeast Bio-solids

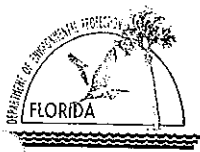
Annual Average Belt Filter Press % Solids	H&H LSD, Inc Wet Tons	Dry Tons	Metric Dry Tons
15.2	9878.3	1463.5	1327.7

Dept. Of Environmental Protection

FEB 15 2011

Southwest District

Land Applicator:	H & H Liquid Sludge Disposal, Inc. P.O. Box 390 Branford, FL 32008	Applied (Dry tons)	Applied (Metric tons)	Area Applied (Acres)	Area Applied (Hectares)	Loading (Dry Tons/ac)
1. Site / Owner:	5 R Ranch - Lowell E. Rupp	388.8	352.7	1151	465.7	0.34
ID/Coordinates:	FLA289914 - N27.8426; W81.6135					
Site Location:	1752 Alturas Babson Rd. Lake Wales, FL 33859 - Polk Co.					
2. Site / Owner:	Circle Cross Ranch - C. Lightsey	234.5	212.7	541	218.9	0.43
ID/Coordinates:	FLA311898 - N27.5000; W81.6672					
Site Location:	9015 Angus Rd. Alturas, FL 33853 - Polk Co.					
3. Site / Owner:	Fox Branch Cattle Co - C. Sherwood	468.8	425.3	1502	607.7	0.31
ID/Coordinates:	FLA290343 - N28.2083; W82.0417					
Site Location:	P.O. Box 806 Lakeland, FL 33802 - Polk Co.					
4. Site / Owner:	Southerland Ranch - W. Southerland	248.5	225.4	1040	420.8	0.24
ID/Coordinates:	FLA430412 - N27.8039; W81.7272					
Site Location:	4561 Lake Hendry Rd. Bartow, FL 33830 - Polk Co.					
5. Site / Owner:	B-Bar-J Ranch - Bud Greenwood	104.1	94.4	284	114.9	0.37
ID/Coordinates:	FLA690163 - N27.7633; W81.6617					
Site Location:	6897 Rhoden Loop Rd Fort Meade FL 33831 - Polk Co.					
6. Site / Owner:	Chris Walker Ranch - Chris Walker	18.8	17.1	37	15.0	0.51
ID/Coordinates:	FLA690392 - N27.7331; W81.6481					
Site Location:	4985 Hwy 98 West Frostproof FL 33843 - Polk Co.					
Totals		1463.5	1327.7	4555	1843.0	



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: NORTHEAST WWTP

FACILITY ID:

FLA021888

MAILING ADDRESS: 1650 N ARCTURAS AVE

MONITORING PERIOD -- From: JAN 1,

2010

To: DEC 31,

2010

CLEARWATER, FL 33765-1945

Total Quantity of Residuals Applied During Reporting Period: 1463.5 dry tons

Total Number of Residuals Land Application Sites Used During Reporting Period: 6 (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	5.3	Copper	mg/kg	4300	749
Total Phosphorus	%	N/A	3.66	Lead	mg/kg	840	20
Total Potassium	%	N/A	0.16	Mercury	mg/kg	57	1.29
Total Solids	%	N/A	15.3	Molybdenum	mg/kg	75	21
pH	std. units	N/A	7.5	Nickel	mg/kg	420	16.3
Arsenic	mg/kg	75	18.3	Selenium	mg/kg	100	7.9
Cadmium	mg/kg	85	1.7	Zinc	mg/kg	7500	776

*All units are in a 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

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 submitted 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.
Tracy Mercer, Director Public Utilities	(727) 562-4960
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	DATE (YY/MM/DD)
Tracy Mercer	11/02/11

Part III. Total Residuals or Septage, Nutrients, and Trace Elements Applied to Application Zones Used by Multiple Facilities (attach separate page for "other solids," if applicable):

Facility (as shown in Agricultural Use Plan): FLA021888 - Northeast WWTF H H L.S.D., INC.
 Site Name (as identified in Agricultural Use Plan): 5R Ranch 2010 ANNUAL SUMMARY
 Site Address (as shown in Agricultural Use Plan): 1762 Alturas Babson Cutoff Road, Lake Wales FL 33859 1/21/2011

Application Zone ID(s)	Crop(s)	Facility	Dry Tons Applied/Ac	N	P	K	As	Cd	Cu	Pb	Hg	Mo	Ni	Se	Zn		
27	Bahia	Howard F. Curren AWTP	1.12	165.781	62.056	2.464	0.011	0.005	1.546	0.099	0.001	0.040	0.089	0.054	2.688		
		Marshall Street WWTF	0.06	5.711	5.473	0.202	0.001	0.000	0.061	0.002	0.000	0.003	0.002	0.001	0.072		
		Plant City WWTF	0.29	24.113	49.434	4.143	0.003	0.001	0.195	0.006	0.000	0.007	0.007	0.009	0.006	0.197	
		Northeast WWTF	0.07	7.061	4.708	0.301	0.002	0.000	0.089	0.002	0.000	0.003	0.002	0.001	0.094		
		Northwest WRF (Site 703)	0.21	35.608	14.598	1.561	0.002	0.001	0.271	0.013	0.001	0.007	0.007	0.006	0.002	0.410	
		Albert Whitted WRF (Site 701)	0.41	65.244	24.416	2.205	0.004	0.002	0.707	0.070	0.001	0.014	0.025	0.003	0.947		
		Southwest WRF (Site 704)	0.08	12.546	4.461	0.403	0.001	0.000	0.110	0.007	0.000	0.002	0.002	0.014	0.001	0.193	
		Northeast WRF (Site 702)	0.14	24.544	8.959	0.749	0.001	0.001	0.169	0.011	0.000	0.004	0.004	0.005	0.001	0.314	
Annual Total				340.607	174.103	12.028	0.025	0.010	3.147	0.209	0.004	0.080	0.133	0.068	4.916		
Cumulative Total							0.085	0.030	8.747	0.469	0.007	0.080	0.343	0.188	12.716		
23	Bahia	Howard F. Curren AWTP	0.82	125.873	44.137	1.798	0.009	0.003	1.063	0.072	0.001	0.044	0.047	0.051	1.962		
		City of Bradenton WRF	0.17	18.975	14.291	2.783	0.000	0.002	0.124	0.007	0.001	0.001	0.001	0.007	0.000	0.447	
		Marshall Street WWTF	0.16	18.064	11.212	0.592	0.002	0.000	0.154	0.006	0.000	0.005	0.005	0.002	0.212		
		Plant City WWTF	0.25	35.399	12.103	2.684	0.009	0.012	0.463	0.011	0.000	0.007	0.041	0.002	0.411		
		Northeast WWTF	0.26	28.822	19.558	0.823	0.011	0.001	0.359	0.009	0.001	0.010	0.007	0.004	0.379		
		Northwest WRF (Site 703)	0.08	14.241	4.708	0.586	0.001	0.000	0.112	0.005	0.000	0.003	0.003	0.001	0.163		
		Southwest WRF (Site 704)	0.28	44.211	14.811	1.621	0.002	0.001	0.338	0.020	0.000	0.007	0.043	0.002	0.609		
		Annual Total				285.585	120.821	10.888	0.034	0.020	2.612	0.130	0.004	0.077	0.153	0.062	4.184
Cumulative Total							0.084	0.030	6.312	0.340	0.014	0.077	0.423	0.132	11.184		
21	Bahia	Howard F. Curren AWTP	0.91	139.859	49.042	1.998	0.009	0.004	1.181	0.080	0.001	0.049	0.053	0.056	2.180		
		City of Bradenton WRF	0.17	18.975	14.291	2.783	0.000	0.002	0.124	0.007	0.001	0.001	0.001	0.007	0.000	0.447	
		Marshall Street WWTF	0.31	36.128	22.425	1.184	0.005	0.001	0.308	0.011	0.001	0.009	0.011	0.004	0.425		
		Plant City WWTF	0.17	23.599	8.069	1.789	0.006	0.008	0.309	0.007	0.000	0.005	0.027	0.002	0.274		
		Northeast WWTF	0.34	38.429	26.077	1.098	0.014	0.001	0.478	0.012	0.001	0.013	0.010	0.005	0.506		
		Albert Whitted WRF (Site 701)	0.17	27.156	9.930	0.844	0.001	0.001	0.256	0.027	0.001	0.005	0.010	0.001	0.375		
		Annual Total				284.147	129.833	9.697	0.036	0.016	2.656	0.145	0.004	0.083	0.117	0.068	4.206
		Cumulative Total							0.106	0.066	11.056	0.545	0.204	0.083	0.897	0.168	19.806
20B	Bahia	Howard F. Curren AWTP	0.93	143.589	50.349	2.051	0.010	0.004	1.212	0.082	0.001	0.050	0.054	0.058	2.238		
		City of Bradenton WRF	0.37	41.746	31.440	6.124	0.001	0.004	0.273	0.016	0.002	0.003	0.014	0.001	0.984		
		Marshall Street WWTF	0.23	26.494	16.445	0.868	0.004	0.001	0.226	0.008	0.000	0.007	0.008	0.003	0.312		
		Plant City WWTF	0.37	51.918	17.752	3.937	0.013	0.017	0.679	0.016	0.000	0.011	0.060	0.004	0.602		
		Northeast WWTF	0.50	56.363	38.246	1.610	0.021	0.002	0.702	0.017	0.002	0.019	0.014	0.007	0.742		

(Enter nutrients and trace elements in lbs/acre.)

Note: Annual cumulative loadings are products of weighted averages based on each facility's acreage allotment within zone, and are not additive.

Part III. Total Residuals or Septage, Nutrients, and Trace Elements Applied to Application Zones Used by Multiple Facilities (attach separate page for "other solids," if applicable):

Facility (as shown in Agricultural Use Plan): FLA021888 - Northeast WWTF
Site Name (as identified in Agricultural Use Plan): 5R Ranch
Site Address (as shown in Agricultural Use Plan): 1762 Alturas Babson Cutoff Road, Lake Wales FL 33859
H H L.S.D., INC.
2010 ANNUAL SUMMARY
1/21/2011

Application Zone ID(s)	Crop(s)	Facility	Dry Tons Applied/Ac	N	P	K	As	Cd	Cu	Pb	Hg	Mn	Ni	Se	Zn
20A	Bahia	Howard F. Curran AWWP	0.87	134,614	47,202	1,923	0.009	0.004	1,136	0.077	0.001	0.047	0.051	0.054	2,098
		City of Bradenton WRF	0.35	39,137	29,475	5,741	0.001	0.004	0.256	0.015	0.002	0.003	0.013	0.001	0.923
		Marshall Street WWTF	0.11	12,419	7,708	0.407	0.002	0.000	0.106	0.004	0.000	0.003	0.004	0.001	0.146
		Plant City WWTF	0.46	64,898	22,190	4,921	0.016	0.022	0.849	0.020	0.000	0.013	0.075	0.005	0.753
		Northeast WWTF	0.35	39,630	26,892	1,132	0.015	0.001	0.493	0.012	0.001	0.013	0.010	0.005	0.522
		Albert Whitted WRF (Site 701)	0.23	37,340	13,654	1,161	0.002	0.001	0.353	0.037	0.001	0.007	0.014	0.002	0.516
		Annual Total		328,038	147,121	15,285	0.045	0.032	3,193	0.165	0.005	0.087	0.167	0.068	4,957
Cumulative Total						0.085	0.052	6,893	0.385	0.009	0.087	0.567	0.568	13,057	
17	Bahia	Howard F. Curran AWWP	0.62	92,221	34,575	1,361	0.006	0.003	0.854	0.052	0.001	0.023	0.039	0.031	1,484
		City of Bradenton WRF	0.28	27,288	27,959	5,815	0.001	0.003	0.190	0.011	0.001	0.003	0.011	0.001	0.766
		Marshall Street WWTF	0.23	22,077	21,157	0,782	0.005	0.001	0.234	0.008	0.000	0.010	0.006	0.002	0.277
		Plant City WWTF	0.55	46,439	95,206	7,980	0.005	0.001	0.376	0.012	0.000	0.014	0.017	0.012	0.379
		Northeast WWTF	0.36	39,179	26,120	1,669	0.013	0.001	0.494	0.010	0.001	0.018	0.010	0.004	0.522
		Northwest WRF (Site 703)	0.27	45,719	18,743	2,004	0.002	0.001	0.348	0.016	0.001	0.009	0.008	0.002	0.527
		Albert Whitted WRF (Site 701)	0.13	20,943	7,837	0,708	0.001	0.001	0.227	0.023	0.000	0.004	0.008	0.001	0.304
Annual Total			293,866	231,596	20,319	0.033	0.010	2,723	0.131	0.004	0.082	0.099	0.053	4,259	
Cumulative Total						0.103	0.040	8,923	0.431	0.014	0.082	0.479	0.113	15,259	
14A	Bahia	Howard F. Curran AWWP	0.66	98,702	37,063	1,446	0.005	0.003	0.907	0.053	0.001	0.025	0.042	0.034	1,577
		City of Bradenton WRF	0.30	28,893	29,603	6,157	0.001	0.003	0.201	0.011	0.001	0.003	0.011	0.001	0.811
		Marshall Street WWTF	0.12	11,688	11,201	0,414	0.003	0.000	0.124	0.004	0.000	0.005	0.003	0.001	0.147
		Plant City WWTF	0.22	18,439	37,802	3,169	0.002	0.001	0.149	0.005	0.000	0.006	0.007	0.005	0.151
		Northeast WWTF	0.19	20,742	13,828	0,883	0.007	0.001	0.262	0.005	0.000	0.010	0.005	0.002	0.277
		Northwest WRF (Site 703)	0.22	36,306	14,884	1,592	0.002	0.001	0.277	0.013	0.001	0.007	0.007	0.002	0.418
		Albert Whitted WRF (Site 701)	0.28	44,349	16,596	1,499	0.002	0.001	0.481	0.048	0.001	0.009	0.017	0.002	0.644
Annual Total			259,119	160,977	15,159	0.022	0.010	2,400	0.139	0.003	0.065	0.093	0.047	4,024	
Cumulative Total						0.102	0.030	7,900	0.529	0.013	0.065	0.463	0.167	14,224	
2B	Bahia	Howard F. Curran AWWP	0.76	104,643	39,203	1,525	0.006	0.002	0.824	0.061	0.001	0.032	0.038	0.034	1,525
		City of Bradenton WRF	0.07	7,343	5,996	1,136	0.000	0.001	0.048	0.003	0.000	0.001	0.002	0.000	0.167
		Northeast WWTF	0.05	6,041	3,631	0,142	0.002	0.000	0.095	0.003	0.000	0.002	0.002	0.001	0.102
		Northwest WRF (Site 703)	0.44	67,612	23,677	2,631	0.004	0.001	0.564	0.026	0.001	0.014	0.014	0.003	0.852

(Enter nutrients and trace elements in lbs/acre.)

Note: Annual cumulative loadings are products of weighted averages based on each facility's acreage allotment within zone, and are not additive.

Part III. Total Residuals or Septage, Nutrients, and Trace Elements Applied to Application Zones Used by Multiple Facilities (attach separate page for "other solids," if applicable):

Facility (as shown in Agricultural Use Plan): FLA021888 - Northeast WWTF
 Site Name (as identified in Agricultural Use Plan): 5R Ranch
 Site Address (as shown in Agricultural Use Plan): 1762 Alturas Babson Cutoff Road, Lake Wales FL 33859
 H H L S D, INC.
 2010 ANNUAL SUMMARY
 1/21/2011

Application Zone ID(s)	Crop(s)	Facility	Dry Tons Applied/Ac	N	P	K	As	Cd	Cu	Pb	Hg	Mo	Ni	Se	Zn
2B	Bahia	Albert Whitted WRF (Site 701)	0.12	24.298	9.436	0.519	0.001	0.001	0.222	0.020	0.000	0.004	0.008	0.001	0.281
		Southwest WRF (Site 704)	0.22	31.093	12.393	0.926	0.002	0.001	0.341	0.019	0.000	0.006	0.046	0.002	0.547
		Northeast WRF (Site 702)	0.40	66.323	23.076	2.017	0.004	0.002	0.516	0.027	0.001	0.010	0.015	0.005	0.823
		Annual Total		307.352	117.412	8.896	0.019	0.008	2.611	0.160	0.004	0.070	0.124	0.046	4.298
		Cumulative Total					0.989	0.468	89.411	5.840	0.984	0.070	5.024	1.376	152.798
4	Bahia	Howard F. Curran AWWP	0.11	15.428	5.780	0.225	0.001	0.000	0.121	0.009	0.000	0.005	0.006	0.005	0.225
		City of Bradenton WRF	0.53	58.710	40.548	9.081	0.001	0.005	0.299	0.006	0.001	0.006	0.020	0.001	1.340
		Marshall Street WWTF	0.38	42.874	30.087	1.053	0.012	0.001	0.414	0.015	0.001	0.017	0.011	0.005	0.442
		Plant City WWTF	0.10	8.707	17.851	1.496	0.001	0.000	0.070	0.002	0.000	0.003	0.003	0.002	0.071
		Northeast WWTF	0.56	69.376	42.521	2.014	0.016	0.001	0.782	0.016	0.001	0.025	0.016	0.007	0.697
		Northwest WRF (Site 703)	0.19	28.797	10.085	1.121	0.002	0.001	0.240	0.011	0.000	0.006	0.006	0.001	0.363
		Albert Whitted WRF (Site 701)	0.23	46.571	18.086	0.995	0.002	0.001	0.425	0.039	0.001	0.008	0.015	0.002	0.538
		Northeast WRF (Site 702)	0.29	47.669	16.586	1.450	0.003	0.001	0.371	0.020	0.001	0.007	0.010	0.003	0.592
		Annual Total		318.133	181.543	17.434	0.037	0.010	2.723	0.118	0.005	0.077	0.087	0.028	4.267
		Cumulative Total					0.097	0.040	9.723	0.468	0.015	0.077	0.367	0.148	13.987
9	Bahia	Howard F. Curran AWWP	0.44	53.715	22.635	0.844	0.003	0.002	0.540	0.030	0.001	0.015	0.025	0.022	0.801
		City of Bradenton WRF	0.40	44.032	30.411	6.811	0.001	0.003	0.224	0.005	0.001	0.005	0.015	0.001	1.005
		Marshall Street WWTF	0.21	24.116	16.924	0.592	0.007	0.000	0.233	0.008	0.000	0.010	0.006	0.003	0.248
		Plant City WWTF	0.08	6.530	13.388	1.122	0.001	0.000	0.053	0.002	0.000	0.002	0.002	0.002	0.053
		Northeast WWTF	0.42	52.032	31.891	1.511	0.012	0.001	0.587	0.012	0.001	0.018	0.012	0.006	0.523
		Northwest WRF (Site 703)	0.23	38.576	15.814	1.691	0.002	0.001	0.294	0.014	0.001	0.007	0.007	0.002	0.444
		Albert Whitted WRF (Site 701)	0.22	35.341	13.225	1.194	0.002	0.001	0.383	0.038	0.001	0.008	0.014	0.002	0.513
		Southwest WRF (Site 704)	0.26	40.773	14.498	1.309	0.002	0.001	0.356	0.021	0.000	0.007	0.046	0.002	0.628
		Northeast WRF (Site 702)	0.23	39.883	14.558	1.217	0.002	0.001	0.274	0.017	0.000	0.006	0.008	0.002	0.510
		Annual Total		334.999	173.345	16.291	0.031	0.011	2.943	0.146	0.005	0.078	0.136	0.040	4.726
		Cumulative Total					0.101	0.031	9.043	0.516	0.009	0.078	0.406	0.160	15.426
8	Bahia	Howard F. Curran AWWP	0.60	89.889	33.753	1.317	0.005	0.003	0.826	0.048	0.001	0.023	0.038	0.031	1.436
		City of Bradenton WRF	0.20	21.675	17.167	3.737	0.001	0.002	0.123	0.004	0.001	0.002	0.008	0.001	0.529
		Marshall Street WWTF	0.24	25.993	19.607	0.696	0.007	0.000	0.256	0.009	0.000	0.011	0.007	0.003	0.280
		Plant City WWTF	0.47	39.183	80.330	6.733	0.004	0.001	0.317	0.010	0.000	0.012	0.014	0.010	0.320
		Northeast WWTF	0.53	63.489	39.928	2.099	0.016	0.001	0.741	0.015	0.001	0.025	0.015	0.007	0.700
		Northwest WRF (Site 703)	0.20	33.065	13.555	1.450	0.002	0.001	0.252	0.012	0.000	0.006	0.006	0.002	0.381

(Enter nutrients and trace elements in lbs/acre.)
 Note: Annual cumulative loadings are products of weighted averages based on each facility's acreage allotment within zone, and are not additive.

Part III. Total Residuals or Septage, Nutrients, and Trace Elements Applied to Application Zones Used by Multiple Facilities (attach separate page for "other solids," if applicable):

Facility (as shown in Agricultural Use Plan): FLA021888 - Northeast WWTF
 Site Name (as identified in Agricultural Use Plan): 5R Ranch
 Site Address (as shown in Agricultural Use Plan): 1762 Alturas Babson Cutoff Road, Lake Wales FL 33859

H H L S D , I N C .
 2010 ANNUAL SUMMARY
 1/21/2011

Application Zone ID(s)	Crop(s)	Facility	Dry Tons Applied/Ac	N	P	K	As	Cd	Cu	Pb	Hg	Mo	Ni	Se	Zn
7	Bahia	Howard F. Curren AWWTP	0.51	63.909	26.354	0.991	0.003	0.003	0.615	0.036	0.001	0.018	0.029	0.025	0.949
		City of Bradenton WRF	0.46	51.865	35.682	7.991	0.001	0.004	0.263	0.005	0.001	0.006	0.018	0.001	1.179
		Marshall Street WWTF	0.30	34.299	24.069	0.842	0.010	0.001	0.331	0.012	0.000	0.014	0.009	0.004	0.353
		Plant City WWTF	0.37	31.346	64.264	5.386	0.003	0.001	0.254	0.008	0.000	0.010	0.011	0.008	0.256
		Northeast WWTF	0.52	64.751	39.686	1.880	0.015	0.001	0.730	0.015	0.001	0.023	0.015	0.007	0.651
		Northwest WRF (Site 703)	0.15	23.038	8.068	0.896	0.001	0.000	0.192	0.009	0.000	0.005	0.005	0.001	0.290
		Albert Whitted WRF (Site 701)	0.14	27.942	10.851	0.597	0.001	0.001	0.255	0.024	0.000	0.005	0.009	0.001	0.323
		Southwest WRF (Site 704)	0.13	17.878	7.126	0.533	0.001	0.000	0.196	0.011	0.000	0.004	0.026	0.001	0.314
		Northeast WRF (Site 702)	0.12	19.068	6.634	0.580	0.001	0.000	0.148	0.008	0.000	0.003	0.004	0.001	0.237
		Annual Total		333.897	222.735	19.696	0.037	0.012	2.985	0.127	0.005	0.086	0.125	0.050	4.552
		Cumulative Total					0.147	0.082	12.485	0.527	0.035	0.086	0.595	0.250	18.062
5	Bahia	Howard F. Curren AWWTP	0.91	135.032	50.685	1.976	0.007	0.004	1.211	0.073	0.001	0.035	0.056	0.046	2.126
		City of Bradenton WRF	0.08	7.518	7.703	1.602	0.000	0.001	0.052	0.003	0.000	0.001	0.003	0.000	0.211
		Marshall Street WWTF	0.08	7.603	7.286	0.269	0.002	0.000	0.081	0.003	0.000	0.003	0.002	0.001	0.096
		Plant City WWTF	0.25	20.791	42.624	3.573	0.002	0.001	0.168	0.005	0.000	0.006	0.007	0.005	0.170
		Northeast WWTF	0.10	10.794	7.196	0.460	0.004	0.000	0.136	0.003	0.000	0.005	0.003	0.001	0.144
		Northwest WRF (Site 703)	0.30	48.490	18.298	1.995	0.003	0.001	0.388	0.018	0.001	0.010	0.009	0.002	0.587
		Albert Whitted WRF (Site 701)	0.16	28.647	10.962	0.755	0.001	0.001	0.281	0.027	0.000	0.005	0.010	0.001	0.365
		Southwest WRF (Site 704)	0.27	41.494	15.107	1.313	0.002	0.001	0.381	0.022	0.000	0.007	0.050	0.002	0.657
		Northeast WRF (Site 702)	0.22	36.371	12.877	1.108	0.002	0.001	0.271	0.015	0.001	0.006	0.008	0.002	0.456
		Annual Total		336.740	172.739	13.051	0.023	0.010	2.970	0.170	0.004	0.079	0.148	0.061	4.812
		Cumulative Total					0.093	0.050	13.370	0.730	0.024	0.079	0.658	0.251	20.212
3	Bahia	Howard F. Curren AWWTP	0.99	127.860	51.089	1.942	0.007	0.004	1.155	0.072	0.001	0.037	0.054	0.047	1.887
		City of Bradenton WRF	0.28	31.441	21.715	4.863	0.001	0.002	0.160	0.003	0.001	0.003	0.011	0.001	0.718
		Marshall Street WWTF	0.24	27.237	19.114	0.669	0.008	0.000	0.263	0.010	0.000	0.011	0.007	0.003	0.280
		Plant City WWTF	0.51	48.733	75.967	6.898	0.004	0.001	0.367	0.012	0.000	0.014	0.016	0.010	0.386
		Northeast WWTF	0.44	54.992	33.705	1.597	0.012	0.001	0.620	0.012	0.001	0.020	0.012	0.006	0.553
		Northwest WRF (Site 703)	0.08	12.852	4.501	0.500	0.001	0.000	0.107	0.005	0.000	0.003	0.003	0.001	0.162
		Albert Whitted WRF (Site 701)	0.10	20.784	8.071	0.444	0.001	0.001	0.190	0.018	0.000	0.003	0.007	0.001	0.240
		Southwest WRF (Site 704)	0.06	8.865	3.534	0.264	0.001	0.000	0.097	0.005	0.000	0.002	0.013	0.001	0.156

(Enter nutrients and trace elements in lbs/acre.)
 Note: Annual cumulative loadings are products of weighted averages based on each facility's acreage allotment within zone, and are not additive.

Part III. Total Residuals or Septage, Nutrients, and Trace Elements Applied to Application Zones Used by Multiple Facilities (attach separate page for "other solids," if applicable):

Facility (as shown in Agricultural Use Plan): FLA021888 - Northeast WWTF
 Site Name (as identified in Agricultural Use Plan): SR Ranch
 Site Address (as shown in Agricultural Use Plan): 1762 Alturas Babson Cutoff Road, Lake Wales FL 33859

H H L.S.D., INC.

2010 ANNUAL SUMMARY

1/21/2011

Application Zone ID(s)	Crop(s)	Facility	Dry Tons Applied/Ac	N	P	K	As	Cd	Cu	Pb	Hg	Mo	Ni	Se	Zn
3	Bahia	Northeast WRF (Site 702)	0.14	23.638	8.224	0.719	0.001	0.001	0.184	0.010	0.001	0.004	0.005	0.002	0.293
		Annual Total		356.401	225.919	17.896	0.035	0.011	3.143	0.147	0.005	0.096	0.128	0.071	4.675
		Cumulative Total					0.135	0.061	13.843	0.557	0.015	0.096	0.528	0.231	18.875
13	Bahia	City of Bradenton WRF	0.47	48.658	43.663	8.957	0.001	0.005	0.323	0.018	0.002	0.005	0.018	0.001	1.264
		Marshall Street WWTF	0.60	54.010	52.801	2.052	0.017	0.002	0.639	0.022	0.001	0.024	0.018	0.007	0.766
		Plant City WWTF	0.82	83.570	106.662	10.726	0.014	0.014	0.865	0.024	0.000	0.022	0.060	0.014	0.812
		Northeast WWTF	0.89	87.567	62.988	3.462	0.031	0.003	1.300	0.032	0.002	0.040	0.028	0.012	1.371
		Northwest WRF (Site 703)	0.28	47.519	18.249	1.682	0.007	0.001	0.413	0.019	0.001	0.010	0.010	0.003	0.575
		Annual Total		321.324	284.363	26.978	0.071	0.025	3.540	0.115	0.005	0.101	0.134	0.038	4.788
		Cumulative Total					0.191	0.065	13.540	0.665	0.115	0.101	0.594	0.208	19.388
12	Bahia	Howard F. Curren AMTP	1.35	199.954	74.912	2.960	0.013	0.006	1.857	0.116	0.002	0.049	0.084	0.066	3.230
		City of Bradenton WRF	0.12	11.603	11.888	2.473	0.000	0.001	0.081	0.005	0.000	0.001	0.004	0.000	0.325
		Marshall Street WWTF	0.07	7.015	6.722	0.248	0.002	0.000	0.074	0.002	0.000	0.003	0.002	0.001	0.088
		Plant City WWTF	0.15	12.341	25.301	2.121	0.001	0.000	0.100	0.003	0.000	0.004	0.004	0.003	0.101
		Northeast WWTF	0.11	11.565	7.710	0.493	0.004	0.000	0.146	0.003	0.000	0.005	0.003	0.001	0.154
		Northwest WRF (Site 703)	0.20	34.019	13.946	1.491	0.002	0.001	0.259	0.012	0.000	0.006	0.006	0.002	0.392
		Albert Whitted WRF (Site 701)	0.08	13.357	4.998	0.451	0.001	0.000	0.145	0.014	0.000	0.003	0.005	0.001	0.194
		Southwest WRF (Site 704)	0.13	20.547	7.306	0.659	0.001	0.001	0.179	0.011	0.000	0.004	0.023	0.001	0.317
		Northeast WRF (Site 702)	0.06	10.049	3.668	0.307	0.001	0.000	0.069	0.004	0.000	0.002	0.002	0.000	0.129
		Annual Total		320.450	156.452	11.204	0.024	0.010	2.910	0.170	0.003	0.077	0.135	0.075	4.929
		Cumulative Total					0.104	0.040	12.710	0.660	0.013	0.077	0.515	0.265	19.129
10	Bahia	City of Bradenton WRF	0.42	40.931	41.938	8.723	0.001	0.004	0.285	0.016	0.001	0.004	0.016	0.001	1.148
		Marshall Street WWTF	0.34	33.116	31.736	1.173	0.008	0.001	0.351	0.012	0.001	0.015	0.010	0.004	0.416
		Plant City WWTF	0.69	58.049	119.007	9.975	0.006	0.002	0.470	0.015	0.001	0.018	0.021	0.014	0.474
		Northeast WWTF	0.48	52.239	34.826	2.225	0.017	0.001	0.659	0.014	0.001	0.024	0.014	0.006	0.697
		Southwest WRF (Site 704)	0.16	24.162	8.592	0.775	0.001	0.001	0.211	0.013	0.000	0.004	0.027	0.001	0.372
		Annual Total		208.497	236.098	22.871	0.034	0.009	1.976	0.069	0.003	0.066	0.087	0.026	3.107
		Cumulative Total					0.034	0.009	1.976	0.069	0.003	0.066	0.087	0.026	3.107

(Enter nutrients and trace elements in lbs/acre.)

Note: Annual cumulative loadings are products of weighted averages based on each facility's acreage allotment within zone, and are not additive.

Part III. Total Residuals or Septage, Nutrients, and Trace Elements Applied to Application Zones Used by Multiple Facilities (attach separate page for "other solids," if applicable):

Facility (as shown in Agricultural Use Plan): FLA021888 - Northeast WWTF H H L S.D., INC.
 Site Name (as identified in Agricultural Use Plan): B-Bar-J Ranch 2010 ANNUAL SUMMARY
 Site Address (as shown in Agricultural Use Plan): 8897 Rhoden Loop Road, Fort Meade FL 33841 1/21/2011

Application Zone ID(s)	Crop(s)	Facility	Dry Tons Applied/Ac	N	P	K	As	Cd	Cu	Pb	Hg	Mo	Ni	Se	Zn	
31F	Jiggs	City of Bradenton WRF	0.25	28.147	22.984	4.354	0.001	0.004	0.186	0.011	0.001	0.003	0.009	0.001	0.641	
		Marshall Street WWTF	0.20	14.128	14.935	0.686	0.009	0.001	0.238	0.008	0.000	0.000	0.006	0.007	0.003	0.294
		Plant City WWTF	0.37	63.736	11.117	5.855	0.000	0.002	0.267	0.010	0.000	0.000	0.006	0.011	0.007	0.296
		Northeast WWTF	0.20	14.721	13.527	0.517	0.007	0.001	0.337	0.011	0.001	0.001	0.007	0.008	0.004	0.366
		Northwest WRF (Site 703)	1.06	184.854	69.214	5.963	0.034	0.004	1.680	0.079	0.002	0.002	0.042	0.043	0.012	2.279
		Annual Total		305.587	131.777	17.375	0.051	0.011	2.708	0.119	0.004	0.064	0.079	0.026	3.876	
		Cumulative Total					0.051	0.011	2.708	0.119	0.004	0.064	0.079	0.026	3.876	
31C	Floralta	City of Bradenton WRF	0.70	77.947	63.647	12.057	0.004	0.010	0.515	0.031	0.002	0.008	0.026	0.002	1.776	
		Marshall Street WWTF	0.28	19.562	20.680	0.950	0.012	0.001	0.330	0.012	0.000	0.000	0.008	0.010	0.004	0.407
		Plant City WWTF	0.26	44.125	7.696	4.053	0.000	0.001	0.185	0.007	0.000	0.000	0.004	0.008	0.005	0.205
		Northeast WWTF	0.28	20.383	18.730	0.716	0.010	0.001	0.467	0.015	0.001	0.001	0.010	0.010	0.005	0.506
		Northwest WRF (Site 703)	0.59	102.381	38.334	3.303	0.019	0.002	0.931	0.044	0.001	0.001	0.023	0.024	0.006	1.262
		Annual Total		264.397	149.087	21.079	0.045	0.016	2.427	0.108	0.005	0.053	0.078	0.023	4.157	
		Cumulative Total					0.045	0.016	2.427	0.108	0.005	0.053	0.078	0.023	4.157	
31B	Bahia	City of Bradenton WRF	0.28	30.706	25.073	4.750	0.001	0.004	0.203	0.012	0.001	0.003	0.010	0.001	0.700	
		Marshall Street WWTF	0.33	23.119	24.440	1.123	0.015	0.001	0.390	0.014	0.001	0.001	0.009	0.012	0.005	0.482
		Plant City WWTF	0.61	104.296	18.191	9.581	0.000	0.003	0.437	0.016	0.000	0.000	0.009	0.018	0.012	0.485
		Northeast WWTF	0.43	32.119	29.514	1.128	0.016	0.002	0.736	0.024	0.001	0.001	0.016	0.016	0.008	0.798
		Northwest WRF (Site 703)	0.46	80.664	30.202	2.602	0.015	0.002	0.733	0.034	0.001	0.001	0.018	0.019	0.005	0.994
		Annual Total		270.903	127.421	19.184	0.047	0.012	2.498	0.100	0.004	0.056	0.076	0.031	3.458	
		Cumulative Total					0.047	0.012	2.498	0.100	0.004	0.056	0.076	0.031	3.458	
31A	Floralta	City of Bradenton WRF	0.35	38.973	31.824	6.028	0.002	0.005	0.257	0.015	0.001	0.004	0.013	0.001	0.888	
		Plant City WWTF	0.51	88.250	15.392	8.107	0.000	0.002	0.369	0.013	0.000	0.000	0.008	0.015	0.010	0.410
		Northeast WWTF	0.55	40.766	37.461	1.432	0.020	0.003	0.934	0.031	0.002	0.002	0.020	0.021	0.010	1.013
		Northwest WRF (Site 703)	0.59	102.381	38.334	3.303	0.019	0.002	0.931	0.044	0.001	0.001	0.023	0.024	0.006	1.262
				Annual Total		270.370	123.010	18.870	0.041	0.012	2.492	0.103	0.004	0.055	0.073	0.028
		Cumulative Total					0.041	0.012	2.492	0.103	0.004	0.055	0.073	0.028	3.573	
30C	Bahia	City of Bradenton WRF	0.35	38.973	31.824	6.028	0.002	0.005	0.257	0.015	0.001	0.004	0.013	0.001	0.888	
		Marshall Street WWTF	0.28	19.562	20.680	0.950	0.012	0.001	0.330	0.012	0.000	0.000	0.008	0.010	0.004	0.407
		Plant City WWTF	0.51	88.250	15.392	8.107	0.000	0.002	0.369	0.013	0.000	0.000	0.008	0.015	0.010	0.410
		Northeast WWTF	0.28	20.383	18.730	0.716	0.010	0.001	0.467	0.015	0.001	0.001	0.010	0.010	0.005	0.506
		Northwest WRF (Site 703)	0.59	102.381	38.334	3.303	0.019	0.002	0.931	0.044	0.001	0.001	0.023	0.024	0.006	1.262

(Enter nutrients and trace elements in lbs/acre.)

Note: Annual cumulative loadings are products of weighted averages based on each facility's acreage allotment within zone, and are not additive.

Part III. Total Residuals or Septage, Nutrients, and Trace Elements Applied to Application Zones Used by Multiple Facilities (attach separate page for "other solids," if applicable):

Facility (as shown in Agricultural Use Plan): FLA021888 - Northeast WWTF
 Site Name (as identified in Agricultural Use Plan): B-Bar-J Ranch
 Site Address (as shown in Agricultural Use Plan): 6897 Rhoden Loop Road, Fort Meade FL 33841

H H L.S.D., INC.
 2010 ANNUAL SUMMARY
 1/21/2011

Application Zone ID(s)	Crop(s)	Facility	Dry Tons Applied/Ac	N	P	K	As	Cd	Cu	Pb	Hg	Mo	Ni	Se	Zn	
30B	Florida	City of Bradenton WRF	0.35	38.973	31.824	6.028	0.002	0.005	0.257	0.015	0.001	0.004	0.073	0.027	3.474	
		Marshall Street WWTF	0.28	19.562	20.680	0.950	0.012	0.001	0.330	0.012	0.000	0.008	0.010	0.004	0.407	
		Plant City WWTF	0.26	44.125	7.696	4.053	0.000	0.001	0.185	0.007	0.000	0.004	0.008	0.005	0.205	
		Northeast WWTF	0.55	40.766	37.461	1.432	0.020	0.003	0.934	0.031	0.002	0.020	0.020	0.021	0.010	1.013
		Northwest WRF (Site 703)	0.59	102.381	38.334	3.303	0.019	0.002	0.931	0.044	0.001	0.023	0.024	0.006	0.006	1.262
		Annual Total		245.807	135.994	15.767	0.053	0.012	2.637	0.108	0.005	0.059	0.076	0.027	0.027	3.775
		Cumulative Total						0.053	0.012	2.637	0.108	0.005	0.059	0.076	0.027	3.775
25A	Bahia	Northeast WWTF	0.90	66.245	60.873	2.328	0.032	0.005	1.518	0.050	0.003	0.032	0.034	0.017	1.645	
		Northwest WRF (Site 703)	0.96	166.368	62.292	5.367	0.030	0.003	1.512	0.071	0.002	0.038	0.039	0.010	2.051	
		Annual Total		232.613	123.166	7.694	0.063	0.008	3.031	0.121	0.004	0.070	0.073	0.027	3.696	
		Cumulative Total						0.063	0.008	3.031	0.121	0.004	0.070	0.073	0.027	3.696
		Howard F. Curren AWWP	0.24	34.879	13.456	0.486	0.005	0.001	0.306	0.022	0.000	0.012	0.014	0.013	0.680	
		City of Bradenton WRF	0.40	44.705	36.504	6.915	0.002	0.006	0.295	0.018	0.001	0.005	0.015	0.001	1.019	
		Marshall Street WWTF	0.43	29.918	31.628	1.453	0.019	0.002	0.504	0.018	0.001	0.012	0.015	0.006	0.623	
24C	Bahia	Northeast WWTF	0.32	23.380	21.485	0.821	0.011	0.002	0.536	0.018	0.001	0.011	0.012	0.006	0.581	
		Northwest WRF (Site 703)	0.68	117.437	43.971	3.788	0.021	0.002	1.067	0.050	0.001	0.027	0.028	0.007	1.448	
		Annual Total		250.319	147.043	13.463	0.059	0.013	2.709	0.126	0.004	0.067	0.083	0.033	4.350	
		Cumulative Total						0.059	0.013	2.709	0.126	0.004	0.067	0.083	0.033	4.350
		City of Bradenton WRF	0.41	46.059	37.610	7.124	0.002	0.006	0.304	0.018	0.001	0.005	0.015	0.001	1.050	
		Marshall Street WWTF	0.33	23.119	24.440	1.123	0.015	0.001	0.390	0.014	0.001	0.009	0.012	0.005	0.482	
		Plant City WWTF	0.30	52.148	9.096	4.790	0.000	0.001	0.218	0.008	0.000	0.005	0.009	0.006	0.243	
24B	Bahia	Northeast WWTF	0.33	24.089	22.136	0.846	0.012	0.002	0.552	0.018	0.001	0.012	0.012	0.006	0.598	
		Annual Total		145.415	93.281	13.884	0.029	0.010	1.464	0.058	0.003	0.030	0.048	0.018	2.372	
		Cumulative Total						0.029	0.010	1.464	0.058	0.003	0.030	0.048	0.018	2.372
		City of Bradenton WRF	0.37	41.746	31.440	6.124	0.001	0.004	0.273	0.016	0.002	0.003	0.014	0.001	0.984	
		Marshall Street WWTF	0.36	25.309	26.755	1.229	0.016	0.002	0.427	0.015	0.001	0.010	0.013	0.005	0.527	
		Plant City WWTF	0.37	51.918	17.752	3.937	0.013	0.017	0.679	0.016	0.000	0.011	0.060	0.004	0.602	
		Northeast WWTF	0.37	27.601	25.363	0.970	0.013	0.002	0.633	0.021	0.001	0.013	0.014	0.007	0.686	
20B	Bahia	Northwest WRF (Site 703)	0.58	99.821	37.375	3.220	0.018	0.002	0.907	0.043	0.001	0.023	0.023	0.006	1.231	

(Enter nutrients and trace elements in lbs/acre.)

Note: Annual cumulative loadings are products of weighted averages based on each facility's acreage allotment within zone, and are not additive.

Part III. Total Residuals or Septage, Nutrients, and Trace Elements Applied to Application Zones Used by Multiple Facilities (attach separate page for "other solids," if applicable):

Facility (as shown in Agricultural Use Plan): FLA021888 - Northeast WWTF H L.S.D., INC.
 Site Name (as identified in Agricultural Use Plan): B-Bar-J Ranch 2010 ANNUAL SUMMARY
 Site Address (as shown in Agricultural Use Plan): 6897 Rhoden Loop Road, Fort Meade FL 33841 1/21/2011

Application Zone ID(s)	Crop(s)	Facility	Dry Tons Applied/Ac	N	P	K	As	Cd	Cu	Pb	Hg	Mo	Ni	Se	Zn
20A	Bahia	Howard F. Curren AWTP	0.33	47,192	17,762	0.662	0.006	0.002	0.414	0.031	0.000	0.015	0.018	0.018	0.926
		City of Bradenton WRF	0.31	34,614	26,438	5.124	0.001	0.004	0.227	0.014	0.001	0.003	0.012	0.001	0.812
		Marshall Street WWTF	0.25	17,468	18,466	0.848	0.011	0.001	0.294	0.010	0.000	0.007	0.009	0.004	0.364
		Plant City WWTF	0.43	59,676	20,404	4.525	0.015	0.020	0.780	0.019	0.000	0.012	0.069	0.004	0.692
		Northeast WWTF	0.38	28,299	26,005	0.994	0.014	0.002	0.649	0.021	0.001	0.014	0.015	0.007	0.703
		Northwest WRF (Site 703)	0.48	84,140	31,504	2.714	0.015	0.002	0.765	0.036	0.001	0.019	0.020	0.005	1.037
		Annual Total		271,389	140,580	14.867	0.061	0.030	3.129	0.131	0.004	0.070	0.142	0.039	4.534
		Cumulative Total					0.061	0.030	3.129	0.131	0.004	0.070	0.142	0.039	4.534
17A	Bahia	Howard F. Curren AWTP	0.17	23,718	9,150	0.330	0.004	0.001	0.208	0.015	0.000	0.008	0.009	0.009	0.462
		Marshall Street WWTF	0.29	20,344	21,507	0.988	0.013	0.001	0.343	0.012	0.000	0.008	0.010	0.004	0.424
		Northeast WWTF	0.29	21,198	19,480	0.745	0.010	0.001	0.486	0.016	0.001	0.010	0.011	0.005	0.527
		Northwest WRF (Site 703)	0.46	79,857	29,900	2.576	0.015	0.002	0.726	0.034	0.001	0.018	0.019	0.005	0.984
		Annual Total		145,118	80,037	4.639	0.041	0.005	1.763	0.077	0.002	0.045	0.049	0.023	2.397
		Cumulative Total					0.041	0.005	1.763	0.077	0.002	0.045	0.049	0.023	2.397

(Enter nutrients and trace elements in lbs/acre.)

Note: Annual cumulative loadings are products of weighted averages based on each facility's acreage allotment within zone, and are not additive.

Part III. Total Residuals or Septage, Nutrients, and Trace Elements Applied to Application Zones Used by Multiple Facilities (attach separate page for "other solids," if applicable):

Facility (as shown in Agricultural Use Plan): FLA021888 - Northeast WWTF
Site Name (as identified in Agricultural Use Plan): Circle Cross Ranch
Site Address (as shown in Agricultural Use Plan): Angus Road, Alturas FL 33853

H H L S D, INC.
2010 ANNUAL SUMMARY
1/21/2011

Application Zone ID(s)	Crop(s)	Facility	Dry Tons Applied/Ac	N	P	K	As	Cd	Cu	Pb	Hg	Mo	Ni	Se	Zn	
25A	Jiggs	City of Bradenton WRF	0.23	26.161	19.703	3.838	0.001	0.003	0.171	0.010	0.001	0.002	0.009	0.001	0.617	
		Marshall Street WWTF	0.68	78.966	49.014	2.587	0.010	0.002	0.674	0.025	0.001	0.020	0.023	0.008	0.929	
		Plant City WWTF	0.37	51.128	17.482	3.877	0.013	0.017	0.669	0.016	0.000	0.011	0.059	0.004	0.593	
		Northeast WWTF	0.84	93.650	63.548	2.676	0.035	0.003	1.166	0.028	0.003	0.032	0.023	0.012	1.233	
		Northwest WRF (Site 703)	0.16	28.049	9.273	1.155	0.001	0.000	0.221	0.010	0.000	0.006	0.005	0.001	0.321	
		Albert Whitted WRF (Site 701)	0.10	16.046	5.868	0.499	0.001	0.001	0.151	0.016	0.000	0.003	0.006	0.001	0.222	
	Annual Total			294.000	164.886	14.631	0.061	0.025	3.052	0.105	0.005	0.073	0.126	0.027	3.914	
Cumulative Total						0.211	0.115	19.652	0.875	0.035	0.073	0.746	0.267	28.314		
24B	Jiggs	City of Bradenton WRF	0.41	46.384	34.933	6.804	0.001	0.005	0.304	0.018	0.002	0.003	0.016	0.001	1.094	
		Marshall Street WWTF	0.65	75.644	46.952	2.478	0.010	0.002	0.646	0.023	0.001	0.020	0.022	0.008	0.889	
		Plant City WWTF	0.55	76.916	26.299	5.832	0.019	0.026	1.006	0.024	0.000	0.016	0.089	0.005	0.892	
		Northeast WWTF	0.41	45.645	30.973	1.304	0.017	0.001	0.568	0.014	0.001	0.015	0.011	0.006	0.601	
		Annual Total			244.589	139.157	16.418	0.047	0.034	2.523	0.080	0.004	0.054	0.139	0.020	3.476
		Cumulative Total						0.187	0.104	15.523	1.380	0.034	0.054	0.529	0.310	23.076
	24A	Bahia	Howard F. Curren AWTP	0.35	53.953	16.059	0.704	0.004	0.002	0.458	0.028	0.001	0.016	0.020	0.030	0.775
City of Bradenton WRF			0.21	23.612	17.783	3.464	0.001	0.003	0.155	0.009	0.001	0.002	0.008	0.001	0.557	
Marshall Street WWTF			0.20	23.104	14.340	0.757	0.003	0.000	0.197	0.007	0.000	0.006	0.007	0.002	0.272	
Plant City WWTF			0.21	29.365	10.041	2.227	0.007	0.010	0.384	0.009	0.000	0.006	0.034	0.002	0.341	
Northeast WWTF			0.17	18.588	12.614	0.531	0.007	0.000	0.231	0.006	0.000	0.006	0.005	0.002	0.245	
Northwest WRF (Site 703)			0.08	14.177	4.687	0.584	0.001	0.000	0.112	0.005	0.000	0.003	0.003	0.001	0.162	
Albert Whitted WRF (Site 701)		0.04	6.758	2.471	0.210	0.000	0.000	0.064	0.007	0.000	0.001	0.001	0.003	0.000	0.093	
15B	Bahia	Southwest WRF (Site 704)	0.14	22.005	7.372	0.807	0.001	0.000	0.168	0.010	0.000	0.003	0.021	0.001	0.303	
		Northeast WRF (Site 702)	0.09	14.072	6.023	0.440	0.001	0.000	0.096	0.005	0.000	0.002	0.003	0.001	0.169	
		Annual Total			205.635	91.390	9.723	0.024	0.016	1.865	0.087	0.003	0.046	0.102	0.040	2.917
		Cumulative Total						0.194	0.106	22.965	1.187	0.033	0.046	1.002	0.420	33.317
		City of Bradenton WRF	0.32	30.956	31.718	6.597	0.001	0.003	0.216	0.012	0.001	0.003	0.012	0.001	0.368	
		Marshall Street WWTF	0.49	56.631	35.151	1.855	0.008	0.001	0.483	0.018	0.001	0.015	0.017	0.006	0.666	
	15A	Bahia	Plant City WWTF	0.63	52.683	108.006	9.053	0.006	0.002	0.426	0.014	0.000	0.016	0.019	0.013	0.430
Northeast WWTF			0.82	91.731	62.246	2.621	0.034	0.002	1.142	0.028	0.002	0.031	0.023	0.012	1.207	
Annual Total				232.002	237.121	20.126	0.048	0.008	2.267	0.071	0.005	0.065	0.070	0.032	3.172	
Cumulative Total							0.188	0.078	16.367	1.071	0.045	0.065	0.550	0.302	24.072	
City of Bradenton WRF			0.14	15.995	12.046	2.346	0.000	0.002	0.105	0.006	0.001	0.001	0.005	0.000	0.377	

(Enter nutrients and trace elements in lbs/acre.)

Note: Annual cumulative loadings are products of weighted averages based on each facility's acreage allotment within zone, and are not additive.

Part III. Total Residuals or Septage, Nutrients, and Trace Elements Applied to Application Zones Used by Multiple Facilities (attach separate page for "other solids," if applicable):

Facility (as shown in Agricultural Use Plan): FLA021888 - Northeast WWTF
 Site Name (as identified in Agricultural Use Plan): Circle Cross Ranch
 Site Address (as shown in Agricultural Use Plan): Angus Road, Alturas FL 33853

H H L.S.D., INC.
 2010 ANNUAL SUMMARY
 1/21/2011

Application Zone ID(s)	Crop(s)	Facility	Dry Tons Applied/Ac	N	P	K	As	Cd	Cu	Pb	Hg	Mo	Ni	Se	Zn	
15A	Bahia	Marshall Street WWTF	0.54	62.602	38.857	2.051	0.008	0.001	0.534	0.019	0.001	0.016	0.018	0.006	0.736	
		Plant City WWTF	0.57	79.568	27.206	6.033	0.020	0.027	1.040	0.025	0.000	0.000	0.017	0.092	0.006	0.923
		Northeast WWTF	0.56	62.958	42.722	1.799	0.024	0.002	0.784	0.019	0.002	0.002	0.021	0.016	0.008	0.829
		Southwest WRF (Site 704)	0.16	24.844	8.323	0.911	0.001	0.000	0.190	0.011	0.000	0.000	0.004	0.024	0.001	0.342
			Annual Total	245.967	129.153	13.140	0.053	0.032	2.653	0.081	0.003	0.003	0.059	0.156	0.022	3.207
14C	Jiggs		Cumulative Total													
		Howard F. Curren AWTP	0.68	104.593	31.132	1.365	0.007	0.003	0.888	0.055	0.001	0.001	0.031	0.038	0.057	1.502
		City of Bradenton WRF	0.13	14.648	11.032	2.149	0.000	0.002	0.096	0.006	0.001	0.001	0.001	0.005	0.000	0.345
		Marshall Street WWTF	0.12	14.333	8.896	0.470	0.002	0.000	0.122	0.004	0.000	0.000	0.004	0.004	0.001	0.169
			Plant City WWTF	0.13	18.217	6.229	1.381	0.005	0.006	0.238	0.006	0.000	0.004	0.021	0.001	0.211
		Northeast WWTF	0.13	14.414	9.781	0.412	0.005	0.000	0.179	0.004	0.000	0.005	0.004	0.002	0.190	
		Northwest WRF (Site 703)	0.13	21.986	7.268	0.905	0.001	0.000	0.173	0.008	0.000	0.004	0.004	0.001	0.252	
		Albert Whittied WRF (Site 701)	0.13	20.963	7.666	0.652	0.001	0.001	0.198	0.021	0.000	0.004	0.008	0.001	0.289	
		Southwest WRF (Site 704)	0.14	22.752	7.622	0.834	0.001	0.000	0.174	0.010	0.000	0.004	0.022	0.001	0.314	
		Northeast WRF (Site 702)	0.27	43.649	18.663	1.366	0.002	0.001	0.298	0.016	0.001	0.007	0.008	0.002	0.526	
14B	Hayfield		Annual Total													
			275.554	108.309	9.534	0.025	0.014	2.366	0.131	0.004	0.004	0.063	0.114	0.067	3.797	
			Cumulative Total													
			0.64	98.136	29.210	1.281	0.006	0.003	0.833	0.051	0.001	0.001	0.029	0.036	0.054	1.409
			Plant City WWTF	0.31	42.731	14.610	3.240	0.011	0.014	0.559	0.013	0.000	0.009	0.050	0.003	0.496
		Northeast WWTF	0.15	16.906	11.472	0.483	0.006	0.000	0.210	0.005	0.000	0.006	0.004	0.002	0.222	
		Northwest WRF (Site 703)	0.30	51.573	17.049	2.124	0.003	0.001	0.406	0.019	0.001	0.010	0.010	0.002	0.590	
		Albert Whittied WRF (Site 701)	0.15	24.586	8.990	0.764	0.001	0.001	0.232	0.024	0.000	0.005	0.009	0.001	0.339	
		Southwest WRF (Site 704)	0.17	26.684	8.940	0.978	0.001	0.001	0.204	0.012	0.000	0.004	0.026	0.001	0.368	
		Northeast WRF (Site 702)	0.16	25.597	10.956	0.801	0.001	0.001	0.175	0.010	0.000	0.004	0.005	0.001	0.308	
14A	Hayfield		Annual Total													
			286.212	101.228	9.671	0.030	0.020	2.619	0.135	0.003	0.003	0.067	0.139	0.065	3.733	
			Cumulative Total													
			0.64	71.564	53.897	10.498	0.002	0.008	0.469	0.028	0.003	0.003	0.005	0.025	0.002	1.687
			Marshall Street WWTF	0.20	23.342	14.488	0.765	0.003	0.000	0.199	0.007	0.000	0.006	0.007	0.002	0.274
		Plant City WWTF	0.64	89.002	30.431	6.748	0.022	0.030	1.164	0.028	0.000	0.018	0.103	0.006	1.033	
		Northeast WWTF	0.42	46.949	31.858	1.341	0.018	0.001	0.584	0.014	0.001	0.016	0.012	0.006	0.618	
			Annual Total													
			230.857	130.675	19.352	0.045	0.039	2.416	0.077	0.005	0.005	0.045	0.147	0.017	3.612	
			Cumulative Total													
						0.315	0.159	29.916	1.427	0.045	0.045	0.045	1.097	0.407	44.112	

(Enter nutrients and trace elements in lbs/acre.)

Note: Annual cumulative loadings are products of weighted averages based on each facility's acreage allotment within zone, and are not additive.

Part III. Total Residuals or Septage, Nutrients, and Trace Elements Applied to Application Zones Used by Multiple Facilities (attach separate page for "other solids," if applicable):

Facility (as shown in Agricultural Use Plan):

FLA021888 - Northeast WWTF

Circle Cross Ranch

Site Name (as identified in Agricultural Use Plan):

Argus Road, Alturas FL 33853

Site Address (as shown in Agricultural Use Plan):

Argus Road, Alturas FL 33853

H H L.S.D., INC.

2010 ANNUAL SUMMARY

1/21/2011

Application Zone ID(s)	Crop(s)	Facility	Dry Tons Applied/Ac	N	P	K	As	Cd	Cu	Pb	Hg	Mo	Ni	Se	Zn
13B	Jiggs	Howard F. Curren AWTP	0.49	74.174	25.389	0.973	0.003	0.002	0.637	0.039	0.001	0.021	0.026	0.038	1.071
		City of Bradenton WRF	0.21	20.972	19.927	4.088	0.001	0.002	0.144	0.008	0.001	0.002	0.008	0.001	0.563
		Marshall Street WWTF	0.05	5.570	3.457	0.182	0.001	0.000	0.048	0.002	0.000	0.001	0.002	0.001	0.065
		Plant City WWTF	0.26	21.588	44.259	3.710	0.002	0.001	0.175	0.006	0.000	0.007	0.008	0.005	0.176
		Sebring Ridge WWTF	0.03	4.821	1.128	0.327	0.000	0.000	0.013	0.001	0.000	0.000	0.001	0.000	0.066
		Fairmount WWTF	0.02	3.213	0.780	0.237	0.000	0.000	0.008	0.001	0.000	0.000	0.000	0.000	0.042
		Northeast WWTF	0.20	22.574	15.318	0.645	0.008	0.001	0.281	0.007	0.001	0.008	0.006	0.003	0.297
		Northwest WRF (Site 703)	0.25	43.155	14.287	1.777	0.002	0.001	0.340	0.016	0.001	0.009	0.008	0.002	0.494
		Albert Whitted WRF (Site 701)	0.15	24.688	9.028	0.768	0.001	0.001	0.233	0.024	0.000	0.005	0.009	0.001	0.341
		Southwest WRF (Site 704)	0.23	35.726	11.989	1.310	0.002	0.001	0.273	0.016	0.000	0.006	0.034	0.002	0.492
		Northeast WRF (Site 702)	0.21	34.270	14.689	1.072	0.002	0.001	0.234	0.013	0.000	0.005	0.006	0.002	0.413
		Annual Total		290.750	160.189	15.089	0.022	0.009	2.385	0.132	0.004	0.063	0.109	0.054	4.021
		Cumulative Total					0.252	0.099	21.085	1.302	0.044	0.063	0.779	0.364	30.421
13A	Jiggs	Howard F. Curren AWTP	0.37	56.137	16.709	0.733	0.004	0.002	0.476	0.029	0.001	0.017	0.021	0.031	0.806
		City of Bradenton WRF	0.21	23.585	17.763	3.460	0.001	0.003	0.154	0.009	0.001	0.002	0.008	0.001	0.556
		Marshall Street WWTF	0.13	15.385	9.550	0.504	0.002	0.000	0.131	0.005	0.000	0.004	0.005	0.002	0.181
		Plant City WWTF	0.14	19.555	6.686	1.483	0.005	0.007	0.256	0.006	0.000	0.004	0.023	0.001	0.227
		Sebring Ridge WWTF	0.01	1.543	0.367	0.109	0.000	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.021
		Fairmount WWTF	0.01	1.142	0.286	0.090	0.000	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.015
		Northeast WWTF	0.21	23.209	15.749	0.663	0.009	0.001	0.289	0.007	0.001	0.008	0.006	0.003	0.305
		Northwest WRF (Site 703)	0.28	47.202	15.604	1.944	0.002	0.001	0.372	0.017	0.001	0.009	0.009	0.002	0.540
		Albert Whitted WRF (Site 701)	0.28	45.005	15.457	1.399	0.002	0.001	0.425	0.045	0.001	0.009	0.017	0.002	0.621
		Southwest WRF (Site 704)	0.15	24.423	8.182	0.895	0.001	0.000	0.186	0.011	0.000	0.004	0.024	0.001	0.337
		Northeast WRF (Site 702)	0.15	23.427	10.028	0.733	0.001	0.001	0.160	0.009	0.000	0.004	0.004	0.001	0.282
		Annual Total		280.614	117.381	12.013	0.027	0.015	2.458	0.139	0.005	0.060	0.116	0.044	3.892
		Cumulative Total					0.207	0.095	21.858	1.259	0.045	0.060	0.746	0.284	31.692
10D	Baltia	Howard F. Curren AWTP	0.41	63.441	22.246	0.906	0.004	0.002	0.536	0.036	0.001	0.022	0.024	0.026	0.989
		City of Bradenton WRF	0.38	43.037	32.412	6.313	0.001	0.005	0.282	0.017	0.002	0.003	0.015	0.001	1.015
		Marshall Street WWTF	0.35	40.970	25.430	1.342	0.005	0.001	0.350	0.013	0.001	0.011	0.012	0.004	0.482
		Plant City WWTF	0.38	53.524	18.301	4.058	0.013	0.018	0.700	0.017	0.000	0.011	0.062	0.004	0.621
		Northeast WWTF	0.39	43.579	29.572	1.245	0.016	0.001	0.542	0.013	0.001	0.015	0.011	0.006	0.574

(Enter nutrients and trace elements in lbs/acre.)

Note: Annual cumulative loadings are products of weighted averages based on each facility's acreage allotment within zone, and are not additive.

Part III. Total Residuals or Septage, Nutrients, and Trace Elements Applied to Application Zones Used by Multiple Facilities (attach separate page for "other solids," if applicable):

Facility (as shown in Agricultural Use Plan): FLA021838 - Northeast WWTF **H H L S D., INC.**
 Site Name (as identified in Agricultural Use Plan): Circle Cross Ranch **2010 ANNUAL SUMMARY**
 Site Address (as shown in Agricultural Use Plan): Angus Road, Alturas FL 33853 **1/21/2011**

Application Zone ID(s)	Crop(s)	Facility	Dry Tons Applied/Ac	N	P	K	As	Cd	Cu	Pb	Hg	Mo	Ni	Se	Zn
10B	Bahia	City of Bradenton WRF	0.43	48.168	36.277	7.066	0.001	0.005	0.315	0.019	0.002	0.003	0.017	0.001	1.136
		Marshall Street WWTF	0.67	77.702	48.229	2.545	0.010	0.002	0.663	0.024	0.001	0.020	0.023	0.008	0.914
		Plant City WWTF	0.29	39.937	13.655	3.028	0.010	0.013	0.522	0.013	0.000	0.008	0.046	0.003	0.463
		Northeast WWTF	0.85	95.717	64.951	2.735	0.036	0.003	1.191	0.029	0.003	0.032	0.024	0.013	1.260
		Annual Total		261.525	163.112	15.374	0.057	0.023	2.692	0.085	0.006	0.064	0.110	0.025	3.772
		Cumulative Total													
10A	Bahia	City of Bradenton WRF	0.19	20.978	15.799	3.077	0.000	0.002	0.137	0.008	0.001	0.001	0.007	0.000	0.495
		Marshall Street WWTF	0.17	19.970	12.395	0.654	0.003	0.000	0.170	0.006	0.000	0.005	0.006	0.002	0.235
		Plant City WWTF	0.56	78.268	26.761	5.935	0.019	0.026	1.023	0.025	0.000	0.016	0.091	0.005	0.908
		Sebring Ridge WWTF	0.01	1.954	0.457	0.133	0.000	0.000	0.005	0.000	0.000	0.000	0.000	0.000	0.027
		Fairmount WWTF	0.01	1.953	0.474	0.144	0.000	0.000	0.005	0.000	0.000	0.000	0.000	0.000	0.026
		Northeast WWTF	0.38	42.484	28.829	1.214	0.016	0.001	0.529	0.013	0.001	0.014	0.011	0.006	0.559
		Northwest WRF (Site 703)	0.19	31.488	10.410	1.297	0.002	0.001	0.248	0.012	0.000	0.006	0.006	0.001	0.360
		Southwest WRF (Site 704)	0.41	65.168	21.833	2.389	0.003	0.001	0.498	0.029	0.001	0.010	0.063	0.003	0.898
		Northeast WRF (Site 702)	0.20	31.256	13.379	0.978	0.002	0.001	0.214	0.012	0.000	0.005	0.001	0.376	
		Annual Total		293.521	130.337	15.820	0.045	0.033	2.829	0.106	0.004	0.059	0.190	0.020	3.884
		Cumulative Total					0.265	0.113	20.429	1.326	0.044	0.059	0.800	0.210	16.184

(Enter nutrients and trace elements in lbs/acre.)
 Note: Annual cumulative loadings are products of weighted averages based on each facility's acreage allotment within zone, and are not additive.

Part III. Total Residuals or Septage, Nutrients, and Trace Elements Applied to Application Zones Used by Multiple Facilities (attach separate page for "other solids," if applicable):

Facility (as shown in Agricultural Use Plan): FLA021888 - Northeast WWTF
 Site Name (as identified in Agricultural Use Plan): Fox Branch Cattle Company
 Site Address (as shown in Agricultural Use Plan): P.O. Box 806, Lakeland FL 33802

H H L.S.D., INC.
 2010 ANNUAL SUMMARY
 1/21/2011

Application Zone ID(s)	Crop(s)	Facility	Dry Tons Applied/Ac	N	P	K	As	Cd	Cu	Pb	Hg	Mo	Ni	Se	Zn
8B	Bahia	Howard F. Curren AWTP	1.04	153.939	57.623	2.288	0.010	0.005	1.435	0.092	0.001	0.037	0.064	0.050	2.496
		City of Bradenton WRF	0.19	18.419	18.872	3.925	0.000	0.002	0.128	0.007	0.000	0.002	0.007	0.000	0.517
		Marshall Street WWTF	0.15	14.848	14.229	0.526	0.003	0.000	0.157	0.005	0.000	0.007	0.004	0.002	0.187
		Plant City WWTF	0.53	66.532	55.702	7.992	0.003	0.002	0.370	0.013	0.000	0.011	0.016	0.011	0.392
		Northeast WWTF	0.36	39.119	24.718	1.269	0.014	0.001	0.559	0.015	0.001	0.017	0.013	0.005	0.595
		Northwest WRF (Site 703)	0.17	25.918	9.076	1.008	0.001	0.001	0.216	0.010	0.000	0.005	0.005	0.001	0.327
		Annual Total		318.774	180.220	17.009	0.032	0.010	2.866	0.142	0.004	0.079	0.110	0.069	4.513
8A	Bahia	Cumulative Total					0.172	0.120	24.666	0.962	0.034	0.079	0.850	0.329	31.613
		Howard F. Curren AWTP	1.65	244.084	91.366	3.628	0.016	0.007	2.276	0.145	0.002	0.059	0.102	0.079	3.958
		City of Bradenton WRF	0.31	32.779	28.837	5.652	0.001	0.004	0.220	0.013	0.001	0.003	0.011	0.001	0.799
		Marshall Street WWTF	0.27	26.354	22.109	0.866	0.008	0.001	0.311	0.011	0.000	0.010	0.009	0.005	0.396
		Plant City WWTF	0.17	14.120	28.948	2.426	0.002	0.000	0.114	0.004	0.000	0.004	0.005	0.004	0.115
		Northeast WWTF	0.32	35.242	22.288	1.143	0.013	0.001	0.503	0.013	0.001	0.015	0.011	0.005	0.536
		Northwest WRF (Site 703)	0.18	28.019	9.812	1.090	0.002	0.001	0.234	0.011	0.000	0.006	0.006	0.001	0.353
7C	Bahia	Annual Total	0.07	9.664	3.852	0.288	0.001	0.000	0.106	0.006	0.000	0.002	0.014	0.001	0.170
		Cumulative Total		390.262	207.192	15.094	0.041	0.014	3.764	0.202	0.005	0.100	0.159	0.095	6.328
		Howard F. Curren AWTP	1.21	179.596	67.227	2.670	0.012	0.005	1.675	0.107	0.001	0.044	0.075	0.058	2.912
		City of Bradenton WRF	0.19	21.111	17.238	3.265	0.001	0.003	0.139	0.008	0.001	0.002	0.007	0.000	0.481
		Marshall Street WWTF	0.28	26.853	22.822	0.889	0.008	0.001	0.314	0.011	0.000	0.011	0.009	0.005	0.398
		Plant City WWTF	0.16	13.061	26.777	2.244	0.001	0.000	0.106	0.003	0.000	0.004	0.005	0.003	0.107
		Northeast WWTF	0.16	17.300	10.398	0.406	0.007	0.001	0.273	0.008	0.000	0.007	0.007	0.003	0.292
7A	Bahia	Northwest WRF (Site 703)	0.28	43.196	15.127	1.681	0.002	0.001	0.360	0.017	0.001	0.009	0.009	0.002	0.545
		Annual Total		301.116	159.589	11.155	0.031	0.011	2.866	0.154	0.004	0.076	0.111	0.072	4.734
		Cumulative Total					0.201	0.111	25.166	0.764	0.034	0.076	0.911	0.322	32.334
		Howard F. Curren AWTP	1.26	182.157	68.201	2.694	0.011	0.005	1.628	0.108	0.001	0.047	0.074	0.059	2.875
		City of Bradenton WRF	0.31	32.706	28.928	5.683	0.001	0.004	0.220	0.013	0.001	0.003	0.011	0.001	0.802
		Marshall Street WWTF	0.15	13.026	11.834	0.488	0.005	0.000	0.171	0.006	0.000	0.005	0.005	0.003	0.215
		Plant City WWTF	0.27	26.485	38.704	3.886	0.002	0.001	0.182	0.006	0.000	0.006	0.008	0.005	0.187
		Northwest WRF (Site 703)	0.41	41.001	28.482	1.459	0.015	0.002	0.634	0.017	0.001	0.018	0.014	0.006	0.578
		Annual Total	0.26	43.958	16.095	1.518	0.006	0.001	0.388	0.018	0.000	0.010	0.010	0.002	0.546

(Enter nutrients and trace elements in lbs/acre.)

Note: Annual cumulative loadings are products of weighted averages based on each facility's acreage allotment within zone, and are not additive.

Part III. Total Residuals or Septage, Nutrients, and Trace Elements Applied to Application Zones Used by Multiple Facilities (attach separate page for "other solids," if applicable):

FLA021888 - Northeast WWTF
 Fox Branch Cattle Company
 P.O. Box 806, Lakeland FL 33802

Facility (as shown in Agricultural Use Plan):
 Site Name (as identified in Agricultural Use Plan):
 Site Address (as shown in Agricultural Use Plan):

H H L.S.D., INC.
 2010 ANNUAL SUMMARY
 1/21/2011

Application Zone ID(s)	Crop(s)	Facility	Dry Tons Applied/Ac	N	P	K	As	Cd	Cu	Pb	Hg	Mo	Ni	Se	Zn	
6D	Hayfield	Howard F. Curren AWTP	1.41	193,749	72,585	2,824	0.010	0.005	1,525	0.113	0.001	0.059	0.071	0.062	2,824	
		City of Bradenton WRF	0.11	11,783	9,621	1,822	0.001	0.002	0.078	0.005	0.000	0.001	0.004	0.000	0.269	
		Marshall Street WWTF	0.08	8,081	6,120	0.251	0.003	0.000	0.102	0.004	0.000	0.003	0.003	0.002	0.135	
		Plant City WWTF	0.23	40,020	6,980	3,676	0.000	0.001	0.168	0.006	0.000	0.004	0.004	0.007	0.004	0.186
		Northeast WWTF	0.26	28,967	17,411	0.680	0.011	0.001	0.456	0.014	0.001	0.012	0.011	0.004	0.004	0.489
		Northwest WRF (Site 703)	0.31	48,219	16,886	1,876	0.003	0.001	0.402	0.019	0.001	0.010	0.010	0.002	0.002	0.608
		Southwest WRF (Site 704)	0.27	37,420	14,915	1,115	0.002	0.001	0.411	0.022	0.000	0.007	0.055	0.003	0.003	0.658
		Annual Total		368,239	144,519	12,245	0.030	0.010	3,142	0.182	0.004	0.096	0.160	0.078	0.078	5,169
		Cumulative Total					0.200	0.090	23,742	1,232	0.024	1.096	0.160	0.498	0.498	35,369
6C	Bahia	Howard F. Curren AWTP	0.88	120,090	44,990	1,751	0.006	0.003	0.945	0.070	0.001	0.037	0.044	0.039	1,751	
		City of Bradenton WRF	0.49	54,773	44,725	8,472	0.003	0.007	0.362	0.022	0.002	0.006	0.018	0.001	1.248	
		Marshall Street WWTF	0.39	37,568	28,449	1,169	0.012	0.001	0.474	0.016	0.001	0.013	0.015	0.009	0.009	0.628
		Plant City WWTF	0.27	46,510	8,112	4,272	0.000	0.001	0.195	0.007	0.000	0.004	0.008	0.005	0.005	0.216
		Northeast WWTF	0.51	56,107	33,725	1,317	0.021	0.002	0.884	0.027	0.001	0.022	0.021	0.009	0.009	0.947
		Northwest WRF (Site 703)	0.36	56,038	19,624	2,180	0.003	0.001	0.467	0.022	0.001	0.011	0.011	0.003	0.003	0.706
		Southwest WRF (Site 704)	0.10	14,496	5,778	0.432	0.001	0.000	0.159	0.009	0.000	0.003	0.021	0.001	0.001	0.255
		Annual Total		385,582	185,403	19,593	0.047	0.016	3,486	0.173	0.006	0.096	0.138	0.086	0.086	5,752
		Cumulative Total					0.297	0.096	21,786	1,093	0.026	0.096	0.848	0.396	0.396	33,752
6B	Bahia	Howard F. Curren AWTP	0.72	106,227	39,766	1,576	0.007	0.003	0.976	0.063	0.001	0.026	0.044	0.034	1,706	
		City of Bradenton WRF	0.31	33,380	29,366	5,756	0.001	0.004	0.224	0.013	0.001	0.003	0.012	0.001	0.814	
		Marshall Street WWTF	0.25	24,114	19,904	0,786	0.007	0.001	0.288	0.010	0.000	0.009	0.009	0.005	0.005	0.369
		Plant City WWTF	0.35	50,728	25,030	5,350	0.001	0.001	0.246	0.009	0.000	0.006	0.010	0.007	0.007	0.266
		Northeast WWTF	0.43	47,316	29,545	1,432	0.017	0.002	0.693	0.019	0.001	0.020	0.016	0.006	0.006	0.739
		Northwest WRF (Site 703)	0.38	59,787	21,952	2,410	0.003	0.001	0.486	0.023	0.001	0.012	0.012	0.003	0.003	0.735
		Albert Whitted WRF (Site 701)	0.03	5,188	1,941	0,175	0.000	0.000	0.056	0.006	0.000	0.001	0.001	0.002	0.000	0.075
		Southwest WRF (Site 704)	0.07	10,906	4,089	0,339	0.001	0.000	0.106	0.006	0.000	0.002	0.002	0.014	0.001	0.179
		Annual Total		337,645	171,595	17,824	0.038	0.012	3,075	0.148	0.004	0.081	0.118	0.057	0.057	4,884
Cumulative Total					0.168	0.072	20,675	1,038	0.024	0.081	0.908	0.317	0.317	30,084		
6A	Bahia	Howard F. Curren AWTP	1.07	158,256	59,241	2,351	0.010	0.005	1,467	0.094	0.001	0.039	0.066	0.051	2,557	
		City of Bradenton WRF	0.27	28,227	25,521	5,060	0.001	0.003	0.191	0.011	0.001	0.003	0.010	0.001	0.001	0.706

(Enter nutrients and trace elements in lbs/acre.)

Note: Annual cumulative loadings are products of weighted averages based on each facility's acreage allotment within zone, and are not additive.

Part III. Total Residuals or Septage, Nutrients, and Trace Elements Applied to Application Zones Used by Multiple Facilities (attach separate page for "other solids," if applicable):

Facility (as shown in Agricultural Use Plan): FLA021888 - Northeast WWTF
 Site Name (as identified in Agricultural Use Plan): Fox Branch Cattle Company
 Site Address (as shown in Agricultural Use Plan): P.O. Box 806, Lakeland FL 33802

H H L S D, INC.
 2010 ANNUAL SUMMARY
 1/21/2011

Application Zone ID(s)	Crop(s)	Facility	Dry Tons Applied/Ac	N	P	K	As	Cd	Cu	Pb	Hg	Mo	Ni	Se	Zn
6A	Bahia	Marshall Street WWTF	0.25	23.982	20.729	0.801	0.007	0.001	0.277	0.009	0.000	0.010	0.008	0.004	0.348
		Plant City WWTF	0.30	40.952	26.109	4.571	0.001	0.001	0.211	0.007	0.000	0.006	0.009	0.006	0.226
		Northeast WWTF	0.39	42.579	26.629	1.301	0.015	0.002	0.621	0.017	0.001	0.018	0.014	0.006	0.663
		Northwest WRF (Site 703)	0.26	41.142	15.201	1.666	0.002	0.001	0.334	0.016	0.001	0.008	0.008	0.002	0.504
		Albert Whitted WRF (Site 701)	0.04	6.080	2.275	0.205	0.000	0.000	0.066	0.007	0.000	0.001	0.002	0.000	0.088
		Southwest WRF (Site 704)	0.05	7.015	2.494	0.225	0.000	0.000	0.061	0.004	0.000	0.001	0.008	0.000	0.108
		Northeast WRF (Site 702)	0.08	13.723	5.009	0.419	0.001	0.000	0.094	0.006	0.000	0.002	0.003	0.001	0.176
		Annual Total		361.956	183.209	16.600	0.038	0.013	3.322	0.171	0.004	0.088	0.128	0.071	5.375
	Cumulative Total					0.268	0.103	25.122	1.361	0.314	0.088	0.898	0.361	37.775	
36B	Bahia	Howard F. Curren AWTP	1.68	243.608	94.554	3.355	0.005	0.006	2.039	0.132	0.003	0.069	0.086	0.098	3.545
		City of Bradenton WRF	0.13	14.476	11.820	2.239	0.001	0.002	0.096	0.006	0.000	0.001	0.005	0.000	0.330
		Marshall Street WWTF	0.10	10.981	7.263	0.354	0.002	0.000	0.107	0.004	0.000	0.003	0.004	0.002	0.145
		Northeast WWTF	0.18	19.635	12.709	0.520	0.007	0.001	0.271	0.007	0.001	0.007	0.006	0.003	0.288
		Northwest WRF (Site 703)	0.17	28.808	9.620	1.175	0.001	0.001	0.229	0.011	0.000	0.006	0.006	0.001	0.335
		Albert Whitted WRF (Site 701)	0.14	25.053	9.342	0.701	0.001	0.001	0.234	0.024	0.000	0.005	0.009	0.001	0.328
		Southwest WRF (Site 704)	0.35	53.444	18.554	1.889	0.003	0.001	0.442	0.026	0.000	0.009	0.057	0.003	0.775
		Northeast WRF (Site 702)	0.15	23.695	10.142	0.741	0.001	0.001	0.162	0.009	0.000	0.004	0.004	0.001	0.285
	Annual Total		419.699	174.005	10.976	0.022	0.012	3.579	0.218	0.005	0.103	0.176	0.109	6.032	
Cumulative Total					0.242	0.102	23.879	1.398	0.035	0.103	0.886	0.479	35.932		
36A	Bahia	Howard F. Curren AWTP	1.29	183.295	67.066	2.576	0.010	0.007	1.610	0.100	0.001	0.054	0.089	0.069	2.880
		City of Bradenton WRF	0.30	32.422	26.569	5.374	0.001	0.004	0.202	0.010	0.001	0.003	0.011	0.001	0.771
		Marshall Street WWTF	0.29	31.312	21.518	0.955	0.007	0.001	0.321	0.011	0.000	0.010	0.010	0.005	0.416
		Plant City WWTF	0.25	31.881	26.122	3.703	0.001	0.001	0.181	0.006	0.000	0.006	0.008	0.005	0.194
		Northeast WWTF	0.32	37.057	23.118	0.981	0.012	0.001	0.501	0.013	0.001	0.014	0.011	0.005	0.511
		Northwest WRF (Site 703)	0.06	9.771	3.783	0.370	0.001	0.000	0.090	0.004	0.000	0.002	0.002	0.000	0.132
		Albert Whitted WRF (Site 701)	0.08	14.136	5.246	0.421	0.001	0.001	0.160	0.015	0.000	0.003	0.006	0.001	0.194
		Southwest WRF (Site 704)	0.44	60.338	28.116	1.898	0.003	0.002	0.667	0.038	0.001	0.012	0.087	0.004	1.060
	Annual Total		400.211	201.537	16.277	0.037	0.016	3.734	0.198	0.005	0.104	0.224	0.089	6.159	
Cumulative Total					0.237	0.106	24.134	1.068	0.015	0.104	1.044	0.499	38.159		
31F	Bahia	Howard F. Curren AWTP	0.84	114.913	43.051	1.675	0.006	0.003	0.905	0.067	0.001	0.035	0.042	0.037	1.675
		Marshall Street WWTF	0.25	23.743	17.980	0.739	0.008	0.001	0.299	0.010	0.000	0.008	0.009	0.006	0.397
		Plant City WWTF	0.23	39.560	6.900	3.634	0.000	0.001	0.166	0.006	0.000	0.004	0.007	0.004	0.184

(Enter nutrients and trace elements in lbs/acre.)

Note: Annual cumulative loadings are products of weighted averages based on each facility's acreage allotment within zone, and are not additive.

Part III. Total Residuals or Septage, Nutrients, and Trace Elements Applied to Application Zones Used by Multiple Facilities (attach separate page for "other solids," if applicable):

Facility (as shown in Agricultural Use Plan): FLA021888 - Northeast WWTF
 Site Name (as identified in Agricultural Use Plan): Fox Branch Cattle Company
 Site Address (as shown in Agricultural Use Plan): P.O. Box 806, Lakeland FL 33802

H H L.S.D., INC.
 2010 ANNUAL SUMMARY
 1/21/2011

Application Zone ID(s)	Crop(s)	Facility	Dry Tons Applied/Ac	N	P	K	As	Cd	Cu	Pb	Hg	Mo	Ni	Se	Zn
31F	Bahia	Northeast WWTF	0.26	28.746	17.278	0.675	0.011	0.001	0.453	0.014	0.001	0.011	0.011	0.004	0.485
		Northwest WRF (Site 703)	0.35	53.623	18.778	2.086	0.003	0.001	0.447	0.021	0.001	0.011	0.011	0.002	0.676
		Albert Whitted WRF (Site 701)	0.28	57.812	22.451	1.235	0.002	0.002	0.528	0.049	0.001	0.010	0.018	0.003	0.668
		Southwest WRF (Site 704)	0.13	18.495	7.372	0.551	0.001	0.000	0.203	0.011	0.000	0.004	0.027	0.001	0.325
		Northeast WRF (Site 702)	0.36	59.176	20.589	1.800	0.003	0.002	0.461	0.024	0.001	0.009	0.013	0.004	0.734
Annual Total				396.068	154.399	12.395	0.035	0.010	3.462	0.202	0.005	0.092	0.138	0.062	5.145
Cumulative Total							0.195	0.100	23.262	1.582	0.045	0.092	1.168	0.382	38.045
31E	Bahia	Howard F. Curren AWTP	1.79	245.416	91.941	3.577	0.013	0.006	1.932	0.143	0.002	0.075	0.089	0.079	3.577
		City of Bradenton WRF	0.11	11.783	9.621	1.822	0.001	0.002	0.078	0.005	0.000	0.001	0.004	0.000	0.269
		Marshall Street WWTF	0.08	8.006	6.063	0.249	0.003	0.000	0.101	0.003	0.000	0.003	0.003	0.002	0.134
		Plant City WWTF	0.47	80.041	13.961	7.353	0.000	0.002	0.335	0.012	0.000	0.007	0.014	0.009	0.372
		Northeast WWTF	0.35	38.773	23.306	0.910	0.015	0.002	0.611	0.019	0.001	0.015	0.015	0.006	0.654
Annual Total			0.09	12.473	4.972	0.372	0.001	0.000	0.137	0.007	0.000	0.002	0.018	0.001	0.219
Cumulative Total				396.492	149.864	14.283	0.032	0.011	3.194	0.190	0.004	0.104	0.144	0.097	5.226
							0.162	0.101	23.594	1.130	0.034	0.104	1.074	0.417	33.526
31D	Bahia	Howard F. Curren AWTP	1.39	190.428	71.341	2.776	0.010	0.004	1.499	0.111	0.001	0.058	0.069	0.061	2.776
		City of Bradenton WRF	0.39	43.427	35.461	6.717	0.002	0.006	0.287	0.017	0.001	0.004	0.014	0.001	0.990
		Marshall Street WWTF	0.10	9.836	7.449	0.306	0.003	0.000	0.124	0.004	0.000	0.003	0.004	0.002	0.164
		Plant City WWTF	0.38	65.557	11.434	6.022	0.000	0.002	0.274	0.010	0.000	0.006	0.011	0.007	0.305
		Northeast WWTF	0.11	11.909	7.158	0.279	0.005	0.000	0.188	0.006	0.000	0.005	0.005	0.002	0.201
Annual Total			0.33	45.973	18.324	1.369	0.003	0.001	0.505	0.027	0.000	0.009	0.068	0.003	0.809
Cumulative Total				367.131	151.167	17.470	0.023	0.014	2.877	0.176	0.004	0.086	0.171	0.077	5.245
							0.453	0.084	20.077	1.166	0.034	0.086	1.061	0.427	30.745
31C	Bahia	Howard F. Curren AWTP	1.68	230.822	86.474	3.365	0.012	0.005	1.817	0.135	0.002	0.071	0.084	0.074	3.365
		City of Bradenton WRF	0.30	32.900	26.864	5.089	0.002	0.004	0.217	0.013	0.001	0.003	0.011	0.001	0.750
		Marshall Street WWTF	0.14	13.413	10.157	0.417	0.004	0.000	0.169	0.006	0.000	0.005	0.005	0.003	0.224
		Plant City WWTF	0.35	59.598	10.395	5.475	0.000	0.001	0.249	0.009	0.000	0.005	0.010	0.007	0.277
		Northeast WWTF	0.24	27.066	16.269	0.635	0.010	0.001	0.427	0.013	0.001	0.011	0.010	0.004	0.457
Annual Total			0.13	20.196	7.072	0.786	0.001	0.000	0.168	0.008	0.000	0.004	0.001	0.255	
Cumulative Total			0.05	6.966	2.776	0.207	0.000	0.000	0.076	0.004	0.000	0.001	0.010	0.001	0.123
				390.959	160.008	15.974	0.031	0.013	3.124	0.188	0.004	0.100	0.135	0.090	5.450
							0.181	0.083	21.424	0.938	0.014	0.100	0.355	0.460	31.450

(Enter nutrients and trace elements in lbs/acre.)

Note: Annual cumulative loadings are products of weighted averages based on each facility's acreage allotment within zone, and are not additive.

Part III. Total Residuals or Septage, Nutrients, and Trace Elements Applied to Application Zones Used by Multiple Facilities (attach separate page for "other solids," if applicable):

Facility (as shown in Agricultural Use Plan): FLA021888 - Northeast WWTF H H L.S.D., INC.
 Site Name (as identified in Agricultural Use Plan): Fox Branch Cattle Company 2010 ANNUAL SUMMARY
 Site Address (as shown in Agricultural Use Plan): P.O. Box 806, Lakeland FL 33802 1/21/2011

Application Zone ID(s)	Crop(s)	Facility	Dry Tons Applied/Ac	N	P	K	As	Cd	Cu	Pb	Hg	Mo	Ni	Se	Zn
31A	Bahia	Howard F. Curran AWTP	1.66	246.303	92.197	3.661	0.016	0.007	2.297	0.146	0.002	0.060	0.103	0.080	3.994
		Northeast WWTF	0.14	14.687	9.792	0.626	0.005	0.000	0.185	0.004	0.000	0.007	0.004	0.002	0.196
		Albert Whitted WRF (Site 701)	0.14	22.618	8.464	0.764	0.001	0.001	0.245	0.024	0.000	0.005	0.009	0.001	0.328
		Southwest WRF (Site 704)	0.32	47.549	17.830	1.476	0.003	0.001	0.463	0.027	0.000	0.009	0.061	0.003	0.779
	Annual Total			331.157	128.283	6.528	0.025	0.010	3.190	0.201	0.003	0.080	0.177	0.085	5.298
	Cumulative Total						0.205	0.150	28.890	1.361	0.013	0.080	1.077	0.355	40.998
30D	Bahia	Howard F. Curran AWTP	1.29	184.881	69.227	2.728	0.011	0.005	1.623	0.109	0.001	0.049	0.074	0.060	2.884
		City of Bradenton WRF	0.24	23.024	23.590	4.907	0.001	0.002	0.160	0.009	0.001	0.003	0.009	0.001	0.646
		Marshall Street WWTF	0.42	40.077	34.081	1.327	0.011	0.001	0.468	0.016	0.001	0.016	0.014	0.007	0.593
		Plant City WWTF	0.44	55.443	46.418	6.660	0.002	0.001	0.309	0.011	0.000	0.009	0.013	0.009	0.327
	Northeast WWTF	0.21	22.949	15.299	0.977	0.008	0.001	0.289	0.006	0.000	0.011	0.006	0.002	0.306	
	Albert Whitted WRF (Site 701)	0.22	35.341	13.225	1.194	0.002	0.001	0.383	0.038	0.001	0.008	0.014	0.014	0.002	0.513
Annual Total			361.715	201.840	17.794	0.035	0.012	3.233	0.189	0.004	0.095	0.129	0.081	5.269	
Cumulative Total						0.315	0.062	17.033	0.829	0.054	0.095	0.719	0.441	25.069	
30C	Bahia	Howard F. Curran AWTP	1.29	190.501	73.025	2.703	0.007	0.005	1.693	0.107	0.002	0.050	0.073	0.072	2.921
		City of Bradenton WRF	0.11	12.357	10.090	1.911	0.001	0.002	0.082	0.005	0.000	0.001	0.004	0.000	0.282
		Marshall Street WWTF	0.17	18.259	12.480	0.534	0.004	0.000	0.190	0.007	0.000	0.006	0.006	0.003	0.256
		Plant City WWTF	0.54	52.218	80.811	7.854	0.004	0.002	0.368	0.012	0.000	0.013	0.016	0.011	0.377
	Northeast WWTF	0.73	80.965	50.214	2.002	0.031	0.003	1.210	0.036	0.002	0.031	0.028	0.012	1.292	
	Northwest WRF (Site 703)	0.09	15.054	6.171	0.660	0.001	0.000	0.115	0.005	0.000	0.003	0.003	0.001	0.173	
Southwest WRF (Site 704)	0.10	15.815	5.298	0.580	0.001	0.000	0.121	0.007	0.000	0.002	0.015	0.001	0.218		
Annual Total			365.170	238.090	16.294	0.049	0.012	3.777	0.179	0.005	0.106	0.145	0.100	5.520	
Cumulative Total						0.149	0.062	20.077	0.989	0.015	0.106	0.785	0.480	29.820	
26B	Pangola	Howard F. Curran AWTP	1.13	168.420	64.774	2.381	0.006	0.005	1.525	0.094	0.002	0.043	0.065	0.065	2.606
		City of Bradenton WRF	0.38	38.738	36.590	7.385	0.001	0.004	0.264	0.015	0.001	0.004	0.014	0.001	1.008
		Marshall Street WWTF	0.42	45.302	32.137	1.483	0.009	0.001	0.451	0.016	0.001	0.014	0.014	0.007	0.599
		Plant City WWTF	0.48	45.157	73.590	6.950	0.004	0.001	0.326	0.011	0.000	0.012	0.014	0.010	0.333
	Northeast WWTF	0.54	59.645	38.471	1.700	0.022	0.002	0.825	0.022	0.001	0.023	0.018	0.008	0.878	
	Northwest WRF (Site 703)	0.17	28.519	11.217	1.225	0.002	0.001	0.220	0.010	0.000	0.005	0.005	0.001	0.332	
Albert Whitted WRF (Site 701)	0.08	13.493	5.019	0.446	0.001	0.000	0.141	0.014	0.000	0.003	0.005	0.001	0.193		
Southwest WRF (Site 704)	0.12	19.095	6.476	0.683	0.001	0.000	0.150	0.009	0.000	0.003	0.019	0.001	0.269		
Northwest WRF (Site 702)	0.07	11.166	4.306	0.344	0.001	0.000	0.077	0.005	0.000	0.002	0.002	0.002	0.001	0.140	

(Enter nutrients and trace elements in lbs/acre.)

Note: Annual cumulative loadings are products of weighted averages based on each facility's acreage allotment within zone, and are not additive.

Part III. Total Residuals or Septage, Nutrients, and Trace Elements Applied to Application Zones Used by Multiple Facilities (attach separate page for "other solids," if applicable):

Facility (as shown in Agricultural Use Plan):

FLA021888 - Northeast WWTF

H H L.S.D., INC.

Site Name (as identified in Agricultural Use Plan):

Fox Branch Cattle Company

2010 ANNUAL SUMMARY

Site Address (as shown in Agricultural Use Plan):

P.O. Box 806, Lakeland FL 33802

1/21/2011

Application Zone ID(s)	Crop(s)	Facility	Dry Tons Applied/Ac	N	P	K	As	Cd	Cu	Pb	Hg	Mo	Ni	Se	Zn	
26A	Bahia	Howard F. Curren AWTF	1.39	205.262	76.831	3.051	0.014	0.006	1.914	0.122	0.002	0.050	0.086	0.067	3.328	
		Marshall Street WWTF	0.15	14.141	13.552	0.501	0.003	0.000	0.150	0.005	0.000	0.006	0.004	0.002	0.178	
		Plant City WWTF	0.18	14.927	30.602	2.565	0.002	0.000	0.121	0.004	0.000	0.005	0.005	0.004	0.122	
		Northeast WWTF	0.16	17.485	11.657	0.745	0.006	0.000	0.221	0.005	0.000	0.008	0.005	0.002	0.233	
		Albert Whitted WRF (Site 701)	0.17	26.926	10.076	0.910	0.001	0.001	0.292	0.029	0.000	0.006	0.011	0.001	0.391	
		Northeast WRF (Site 702)	0.34	57.627	20.570	1.756	0.003	0.001	0.421	0.024	0.001	0.009	0.012	0.003	0.727	
		Annual Total		336.358	163.287	9.527	0.029	0.010	3.118	0.189	0.004	0.084	0.123	0.078	4.979	
Cumulative Total						0.499	0.070	22.018	1.109	0.024	0.084	0.993	0.308	31.079		
25B	Bahia	Howard F. Curren AWTF	1.67	248.541	94.567	3.586	0.012	0.007	2.278	0.143	0.002	0.062	0.099	0.090	3.920	
		City of Bradenton WRF	0.21	23.749	19.392	3.673	0.001	0.003	0.157	0.009	0.001	0.002	0.008	0.001	0.541	
		Marshall Street WWTF	0.21	21.716	16.515	0.706	0.005	0.001	0.239	0.008	0.000	0.008	0.007	0.004	0.312	
		Plant City WWTF	0.06	4.898	10.041	0.842	0.001	0.000	0.040	0.001	0.000	0.002	0.002	0.001	0.040	
		Northeast WWTF	0.11	12.133	8.165	0.427	0.004	0.000	0.152	0.003	0.000	0.005	0.003	0.001	0.161	
		Northwest WRF (Site 703)	0.11	19.435	7.190	0.826	0.001	0.000	0.151	0.007	0.000	0.004	0.004	0.001	0.223	
		Albert Whitted WRF (Site 701)	0.11	18.170	6.720	0.589	0.001	0.001	0.184	0.019	0.000	0.004	0.007	0.001	0.257	
25A	Bahia	Southwest WRF (Site 704)	0.20	30.580	10.874	0.981	0.002	0.001	0.267	0.016	0.000	0.005	0.034	0.001	0.471	
		Northeast WRF (Site 702)	0.12	19.690	7.800	0.608	0.001	0.000	0.135	0.008	0.000	0.003	0.004	0.001	0.245	
		Annual Total		398.913	181.264	12.239	0.028	0.013	3.601	0.215	0.005	0.094	0.168	0.101	6.170	
		Cumulative Total						0.178	0.103	24.301	1.215	0.015	0.094	1.028	0.551	36.170
		Howard F. Curren AWTF	1.19	176.801	66.181	2.628	0.012	0.005	1.649	0.105	0.001	0.043	0.074	0.057	2.867	
		City of Bradenton WRF	0.11	10.942	11.211	2.332	0.000	0.001	0.076	0.004	0.000	0.001	0.004	0.000	0.307	
		Marshall Street WWTF	0.06	5.880	5.635	0.208	0.001	0.000	0.062	0.002	0.000	0.003	0.002	0.001	0.074	
		Plant City WWTF	0.22	18.622	38.177	3.200	0.002	0.001	0.151	0.005	0.000	0.006	0.007	0.005	0.152	
		Northeast WWTF	0.13	14.542	9.695	0.619	0.005	0.000	0.183	0.004	0.000	0.007	0.004	0.002	0.194	
		Northwest WRF (Site 703)	0.14	24.444	10.021	1.072	0.001	0.000	0.186	0.009	0.000	0.005	0.004	0.001	0.282	
		Albert Whitted WRF (Site 701)	0.14	22.394	8.380	0.757	0.001	0.001	0.243	0.024	0.000	0.005	0.009	0.001	0.325	
		Southwest WRF (Site 704)	0.47	68.319	26.120	2.095	0.004	0.002	0.692	0.039	0.000	0.013	0.092	0.004	1.145	
		Annual Total		341.945	175.420	12.911	0.027	0.010	3.242	0.192	0.003	0.082	0.195	0.071	5.346	
		Cumulative Total						0.167	0.320	25.842	1.192	0.013	0.082	1.015	0.451	36.146

(Enter nutrients and trace elements in lbs/acre.)

Note: Annual cumulative loadings are products of weighted averages based on each facility's acreage allotment within zone, and are not additive.

Part III. Total Residuals or Septage, Nutrients, and Trace Elements Applied to Application Zones Used by Multiple Facilities (attach separate page for "other solids," if applicable):

Facility (as shown in Agricultural Use Plan): FLA021888 - Northeast WWTF H H L.S.D., INC.
 Site Name (as identified in Agricultural Use Plan): Southerland Ranch 2010 ANNUAL SUMMARY
 Site Address (as shown in Agricultural Use Plan): 4561 Lake Hendry Road, Barlow FL 33830 1/21/2011

Application Zone ID(s)	Crop(s)	Facility	Dry Tons Applied/Ac	N	P	K	As	Cd	Cu	Pb	Hg	Mo	Ni	Se	Zn
9	Bahia	Howard F. Curren AWWTP	0.89	128.643	45.957	1.774	0.008	0.006	1.207	0.067	0.001	0.037	0.075	0.051	2.129
		City of Bradenton WRF	0.13	14.780	10.208	2.286	0.000	0.001	0.075	0.002	0.000	0.002	0.005	0.000	0.337
		Marshall Street WWTF	0.12	13.339	9.360	0.328	0.004	0.000	0.129	0.005	0.000	0.005	0.004	0.002	0.137
		Plant City WWTF	0.05	5.818	3.439	0.381	0.000	0.000	0.042	0.002	0.000	0.002	0.002	0.001	0.050
		Northeast WWTF	0.10	11.833	7.252	0.344	0.003	0.000	0.133	0.003	0.000	0.004	0.003	0.001	0.119
		Northwest WRF (Site 703)	0.14	21.463	10.216	0.724	0.001	0.001	0.245	0.011	0.000	0.005	0.005	0.001	0.354
		Albert Whitted WRF (Site 701)	0.07	11.932	4.326	0.404	0.001	0.000	0.148	0.014	0.000	0.002	0.005	0.001	0.177
		Southwest WRF (Site 704)	0.29	38.844	22.795	1.337	0.002	0.001	0.436	0.027	0.000	0.008	0.053	0.002	0.680
		Northeast WRF (Site 702)	0.03	4.331	1.463	0.122	0.000	0.000	0.033	0.002	0.000	0.001	0.001	0.000	0.054
		Annual Total		250.992	115.017	7.701	0.019	0.010	2.447	0.131	0.003	0.066	0.152	0.059	4.038
8	Bahia	Cumulative Total					0.049	0.020	6.347	0.361	0.007	0.066	0.282	0.149	9.938
		City of Bradenton WRF	0.20	21.864	15.101	3.382	0.001	0.002	0.111	0.002	0.000	0.002	0.008	0.001	0.499
		Marshall Street WWTF	0.13	15.380	10.793	0.378	0.004	0.000	0.148	0.005	0.000	0.006	0.004	0.002	0.158
		Plant City WWTF	0.34	43.036	25.437	2.819	0.002	0.001	0.311	0.011	0.000	0.011	0.014	0.005	0.373
		Northeast WWTF	0.17	21.425	13.131	0.622	0.005	0.000	0.242	0.005	0.000	0.008	0.005	0.002	0.215
		Annual Total		101.705	64.461	7.200	0.012	0.003	0.812	0.024	0.001	0.027	0.031	0.010	1.245
		Cumulative Total					0.012	0.003	0.812	0.024	0.001	0.027	0.031	0.010	1.245
		Howard F. Curren AWWTP	1.02	125.666	52.955	1.976	0.007	0.006	1.263	0.069	0.001	0.035	0.059	0.051	1.874
		City of Bradenton WRF	0.16	17.761	12.267	2.747	0.000	0.001	0.090	0.002	0.000	0.002	0.006	0.000	0.405
		Marshall Street WWTF	0.09	9.995	7.014	0.245	0.003	0.000	0.096	0.004	0.000	0.004	0.003	0.001	0.103
7	Bahia	Plant City WWTF	0.06	6.992	4.133	0.458	0.000	0.000	0.050	0.002	0.000	0.002	0.002	0.001	0.061
		Northeast WWTF	0.22	27.846	17.067	0.808	0.006	0.000	0.314	0.006	0.000	0.010	0.006	0.003	0.280
		Northwest WRF (Site 703)	0.10	15.475	7.366	0.522	0.001	0.000	0.177	0.008	0.000	0.004	0.004	0.001	0.255
		Albert Whitted WRF (Site 701)	0.09	14.338	5.199	0.486	0.001	0.001	0.178	0.017	0.000	0.003	0.006	0.001	0.212
		Southwest WRF (Site 704)	0.24	32.675	19.175	1.125	0.002	0.001	0.366	0.022	0.000	0.007	0.044	0.001	0.572
		Annual Total		250.748	125.175	8.367	0.020	0.010	2.535	0.129	0.003	0.066	0.131	0.059	3.762
		Cumulative Total					0.070	0.020	6.735	0.369	0.003	0.066	0.281	0.129	10.262
		Howard F. Curren AWWTP	0.58	75.122	30.209	1.138	0.004	0.004	0.740	0.041	0.001	0.021	0.038	0.030	1.157
		City of Bradenton WRF	0.31	34.605	24.923	5.222	0.001	0.003	0.200	0.008	0.001	0.003	0.012	0.001	0.802
		Marshall Street WWTF	0.24	21.253	18.089	0.736	0.009	0.001	0.289	0.010	0.000	0.009	0.008	0.004	0.313
6	Bahia	Plant City WWTF	0.42	56.225	24.102	4.061	0.010	0.013	0.621	0.017	0.000	0.013	0.049	0.005	0.595
		Northeast WWTF	0.43	41.856	31.062	1.320	0.014	0.002	0.875	0.019	0.001	0.017	0.014	0.007	0.582

(Enter nutrients and trace elements in lbs/acre.)

Note: Annual cumulative loadings are products of weighted averages based on each facility's acreage allotment within zone, and are not additive.

Part III. Total Residuals or Septage, Nutrients, and Trace Elements Applied to Application Zones Used by Multiple Facilities (attach separate page for "other solids," if applicable):

Facility (as shown in Agricultural Use Plan): FLA021888 - Northeast WWTF
 Site Name (as identified in Agricultural Use Plan): Southerland Ranch
 Site Address (as shown in Agricultural Use Plan): 4561 Lake Hendry Road, Bartow FL 33830

H H L.S.D., INC.
 2010 ANNUAL SUMMARY
 1/21/2011

Application Zone ID(s)	Crop(s)	Facility	Dry Tons Applied/Ac	N	P	K	As	Cd	Cu	Pb	Hg	Mo	Ni	Se	Zn
6	Bahia	Northwest WRF (Site 703)	0.17	26.479	12.604	0.893	0.001	0.001	0.302	0.013	0.000	0.007	0.006	0.001	0.436
		Albert Whitted WRF (Site 701)	0.06	8.921	3.235	0.302	0.001	0.000	0.110	0.010	0.000	0.002	0.004	0.000	0.132
		Southwest WRF (Site 704)	0.36	48.323	27.732	1.643	0.003	0.001	0.537	0.033	0.001	0.010	0.065	0.002	0.842
		Northwest WRF (Site 702)	0.10	17.000	5.743	0.480	0.001	0.000	0.129	0.007	0.000	0.003	0.004	0.001	0.213
	Annual Total			329.784	177.699	15.795	0.044	0.025	3.584	0.157	0.005	0.083	0.200	0.051	5.172
Cumulative Total						0.104	0.045	9.984	0.487	0.015	0.083	0.430	0.181	15.172	
5	Bahia	Howard F. Curren AWTP	0.64	79.215	33.164	1.239	0.004	0.004	0.794	0.044	0.001	0.022	0.038	0.032	1.187
		City of Bradenton WRF	0.13	14.919	10.304	2.308	0.000	0.001	0.076	0.002	0.000	0.002	0.005	0.000	0.341
		Marshall Street WWTF	0.11	11.979	8.406	0.294	0.003	0.000	0.116	0.004	0.000	0.005	0.003	0.002	0.123
		Plant City WWTF	0.10	12.236	7.232	0.801	0.001	0.000	0.088	0.003	0.000	0.003	0.004	0.002	0.106
		Northwest WWTF	0.16	19.544	11.979	0.567	0.004	0.000	0.220	0.004	0.000	0.007	0.004	0.002	0.196
		Northwest WRF (Site 703)	0.14	21.665	10.313	0.731	0.001	0.001	0.247	0.011	0.000	0.006	0.005	0.001	0.357
		Albert Whitted WRF (Site 701)	0.06	10.037	3.639	0.340	0.001	0.000	0.124	0.012	0.000	0.002	0.004	0.000	0.149
		Southwest WRF (Site 704)	0.22	29.407	17.257	1.013	0.002	0.001	0.330	0.020	0.000	0.006	0.040	0.001	0.515
		Northwest WRF (Site 702)	0.04	7.286	2.461	0.206	0.000	0.000	0.055	0.003	0.000	0.001	0.002	0.000	0.091
Annual Total			206.288	104.755	7.499	0.017	0.008	2.050	0.102	0.003	0.053	0.105	0.041	3.065	
Cumulative Total						0.097	0.028	9.050	0.472	0.003	0.053	0.215	0.171	15.165	
4	Bahia	Howard F. Curren AWTP	0.53	65.829	27.740	1.035	0.003	0.003	0.661	0.036	0.001	0.018	0.031	0.027	0.982
		City of Bradenton WRF	0.24	26.982	18.635	4.173	0.001	0.002	0.137	0.003	0.001	0.003	0.009	0.001	0.616
		Marshall Street WWTF	0.11	12.653	8.879	0.311	0.004	0.000	0.122	0.004	0.000	0.005	0.003	0.002	0.130
		Northwest WWTF	0.14	17.626	10.803	0.512	0.004	0.000	0.199	0.004	0.000	0.006	0.004	0.002	0.177
		Northwest WRF (Site 703)	0.34	52.242	24.867	1.762	0.003	0.001	0.596	0.026	0.001	0.013	0.012	0.002	0.861
		Albert Whitted WRF (Site 701)	0.08	12.101	4.388	0.410	0.001	0.000	0.150	0.014	0.000	0.002	0.005	0.001	0.179
		Southwest WRF (Site 704)	0.35	47.274	27.742	1.628	0.003	0.001	0.530	0.032	0.001	0.010	0.064	0.002	0.828
		Northwest WRF (Site 702)	0.16	26.352	8.903	0.745	0.001	0.001	0.199	0.010	0.000	0.004	0.006	0.001	0.330
		Annual Total			261.059	131.957	10.575	0.019	0.009	2.595	0.130	0.004	0.062	0.135	0.037
Cumulative Total						0.069	0.029	8.995	0.510	0.014	0.062	0.355	0.187	14.303	
3	Bahia	Howard F. Curren AWTP	0.66	95.245	34.025	1.314	0.006	0.005	0.893	0.050	0.001	0.028	0.055	0.038	1.576
		City of Bradenton WRF	0.16	17.509	12.092	2.708	0.000	0.001	0.089	0.002	0.000	0.002	0.006	0.000	0.400
		Marshall Street WWTF	0.08	9.029	6.336	0.222	0.003	0.000	0.087	0.003	0.000	0.004	0.002	0.001	0.093
		Plant City WWTF	0.18	22.155	13.095	1.451	0.001	0.001	0.160	0.006	0.000	0.006	0.007	0.003	0.192
		Northwest WWTF	0.20	25.031	15.342	0.727	0.006	0.000	0.282	0.006	0.000	0.009	0.006	0.003	0.252

(Enter nutrients and trace elements in lbs/acre.)
 Note: Annual cumulative loadings are products of weighted averages based on each facility's acreage allotment within zone, and are not additive.

Part III. Total Residuals or Septage, Nutrients, and Trace Elements Applied to Application Zones Used by Multiple Facilities (attach separate page for "other solids," if applicable):

Facility (as shown in Agricultural Use Plan): FLA021888 - Northeast WWTF
Site Name (as identified in Agricultural Use Plan): Southerland Ranch
Site Address (as shown in Agricultural Use Plan): 4561 Lake Hendry Road, Bartow FL 33830

H H L.S.D., INC.
2010 ANNUAL SUMMARY
1/21/2011

Application Zone ID(s)	Crop(s)	Facility	Dry Tons Applied/Ac	N	P	K	As	Cd	Cu	Pb	Hg	Mo	Ni	Se	Zn
3	Bahia	Northwest WRF (Site 703)	0.28	43.586	20.747	1.470	0.002	0.001	0.497	0.022	0.001	0.011	0.010	0.002	0.718
		Albert Whitted WRF (Site 701)	0.19	30.288	10.983	1.026	0.002	0.001	0.375	0.035	0.001	0.006	0.013	0.001	0.448
		Southwest WRF (Site 704)	0.25	32.868	19.288	1.132	0.002	0.001	0.369	0.022	0.000	0.007	0.045	0.001	0.576
		Annual Total		275.712	131.909	10.049	0.022	0.010	2.753	0.146	0.003	0.072	0.145	0.050	4.254
		Cumulative Total					0.072	0.030	7.753	0.446	0.006	0.072	0.325	0.160	12.154
1	Bahia	Howard F. Curren AWWTP	0.90	130.984	46.793	1.807	0.008	0.007	1.229	0.069	0.001	0.038	0.076	0.052	2.168
		City of Bradenton WRF	0.19	21.403	14.782	3.311	0.001	0.002	0.109	0.002	0.000	0.002	0.007	0.001	0.488
		Marshall Street WWTF	0.17	19.316	13.555	0.474	0.005	0.000	0.186	0.007	0.000	0.008	0.005	0.002	0.199
		Northwest WWTF	0.22	26.774	16.410	0.777	0.006	0.000	0.302	0.006	0.000	0.010	0.006	0.003	0.269
		Northwest WRF (Site 703)	0.40	62.161	29.589	2.096	0.003	0.001	0.709	0.031	0.001	0.016	0.015	0.003	1.024
		Albert Whitted WRF (Site 701)	0.14	21.598	7.832	0.732	0.001	0.001	0.267	0.025	0.000	0.004	0.009	0.001	0.320
		Southwest WRF (Site 704)	0.37	49.219	28.883	1.695	0.003	0.001	0.552	0.034	0.001	0.010	0.067	0.002	0.862
		Northwest WRF (Site 702)	0.05	7.839	2.648	0.221	0.000	0.000	0.059	0.003	0.000	0.001	0.002	0.000	0.098
		Annual Total		339.293	160.491	11.113	0.028	0.013	3.414	0.177	0.004	0.089	0.187	0.065	5.428
		Cumulative Total					0.078	0.023	8.624	0.477	0.014	0.089	0.387	0.145	13.738

(Enter nutrients and trace elements in lbs/acre.)

Note: Annual cumulative loadings are products of weighted averages based on each facility's acreage allotment within zone, and are not additive.

Part III. Total Residuals or Septage, Nutrients, and Trace Elements Applied to Application Zones Used by Multiple Facilities (attach separate page for "other solids," if applicable):

Facility (as shown in Agricultural Use Plan):

FLA021888 - Northeast WWTF

H H L.S.D., INC.

Site Name (as identified in Agricultural Use Plan):

Chris Walker Ranch

2010 ANNUAL SUMMARY

Site Address (as shown in Agricultural Use Plan):

4935 Highway 98 West, Frostproof FL 33843

1/21/2011

Application Zone ID(s)	Crop(s)	Facility	Dry Tons Applied/Ac	N	P	K	As	Cd	Cu	Pb	Hg	Mo	Ni	Se	Zn	
4	Bahia	City of Bradenton WRF	0.33	36.190	29.550	5.598	0.002	0.005	0.239	0.014	0.001	0.004	0.012	0.001	0.825	
		Marshall Street WWTF	0.26	18.165	19.203	0.882	0.011	0.001	0.306	0.011	0.000	0.000	0.007	0.009	0.004	0.378
		Plant City WWTF	0.71	122.920	21.440	11.291	0.001	0.003	0.515	0.019	0.001	0.001	0.011	0.021	0.014	0.572
		Northeast WWTF	0.26	18.927	17.392	0.665	0.009	0.001	0.434	0.014	0.001	0.001	0.009	0.010	0.005	0.470
		Northwest WRF (Site 703)	0.82	142.602	53.393	4.600	0.026	0.003	1.296	0.061	0.001	0.001	0.033	0.034	0.009	1.758
Annual Total				338.803	140.978	23.036	0.049	0.013	2.790	0.119	0.004	0.064	0.086	0.032	4.003	
Cumulative Total							0.049	0.013	2.790	0.119	0.004	0.064	0.086	0.032	4.003	
3	Bahia	City of Bradenton WRF	0.40	44.057	35.974	6.815	0.002	0.006	0.291	0.017	0.001	0.004	0.014	0.001	1.004	
		Marshall Street WWTF	0.32	22.113	23.377	1.074	0.014	0.001	0.373	0.013	0.001	0.001	0.009	0.011	0.005	0.461
		Plant City WWTF	0.58	99.761	17.400	9.164	0.000	0.002	0.418	0.015	0.000	0.000	0.009	0.017	0.011	0.464
		Northeast WWTF	0.62	46.083	42.347	1.619	0.022	0.003	1.056	0.035	0.002	0.002	0.022	0.024	0.012	1.145
		Northwest WRF (Site 703)	0.33	57.867	21.667	1.867	0.011	0.001	0.526	0.025	0.001	0.001	0.013	0.014	0.004	0.713
Annual Total				269.882	140.765	20.539	0.049	0.014	2.663	0.105	0.005	0.058	0.080	0.032	3.787	
Cumulative Total							0.049	0.014	2.663	0.105	0.005	0.058	0.080	0.032	3.787	

(Enter nutrients and trace elements in lbs/acre.)

Note: Annual cumulative loadings are products of weighted averages based on each facility's acreage allotment within zone, and are not additive.

H & H L.S.D., Inc.

A Residue Management Company

HHLSD.com

100 E. Linton Boulevard Suite 208B

Delray Beach, Florida 33483-3336

Phone 561/ 274.4840 Fax 561/274.9092

CITY OF CLEARWATER UTILITIES

1650 N. ARCTURAS AVE.

CLEARWATER, FL 33765-1945

NORTHEAST WWTP

FACILITY ID# FLA021888

LAND APPLICATION CONTRACTOR: H & H Liquid Sludge Disposal, Inc.

P.O. Box 390

Branford, FL 32008

2010 Certification Statement for Land Application Practices

"I certify under penalty of law, that the land application practices and agricultural site management requirements and restrictions pursuant to Rule 62-640 F.A.C. have been met during the course of 2010. This determination has been made under my direction and supervision in accordance with the system designed to insure that qualified personnel properly gather and evaluate the information used to determine that the requirements have been met. I am aware that there are significant penalties for false certification, including the possibility of fine and imprisonment."

Signed



Date

1/11/11

Martin E. Buerk

Vice President

H & H L.S.D., Inc.

NORTHEAST ANAEROBIC DIGESTER

DAY Jan-10	NE PRIMARY FEED			EAST SECONDARY FEED			NE SECONDARY FEED			NE DIGESTER FEED			PAD			SAD TO PRESSES VOL PPD
	NE PRIMARY FEED (Pickell Thickener) MGD	PAD VSS PPD	NE PRIMARY FEED MGD	PAD E SECONDARY FEED VSS PPD	PAD E SECONDARY FEED MGD	PAD NE SECONDARY FEED VSS PPD	PAD NE SECONDARY FEED MGD	Sum of Total VSS Input to PAD	PPD	Sum of Total Flow Input to PAD (THICKENED)		PAD FEED TO BP GPD	PAD SRT DAY			
										GPD	DAY					
1	0.024	5,062	0.029	1,734	0.000	-	-	6,796	29,939	52800	17.8	6,786				
2	0.023	4,361	0.029	1,696	0.000	-	-	6,056	28,910	0	-	-				
3	0.023	4,164	0.029	1,717	0.000	-	-	5,881	28,916	44160	21.1	5,388				
4	0.021	4,350	0.029	1,777	0.000	-	-	6,127	27,096	18720	49.8	2,277				
5	0.018	3,727	0.029	1,760	0.000	-	-	5,487	24,030	30240	30.8	3,834				
6	0.017	3,139	0.029	1,734	0.000	-	-	4,873	22,950	32160	29.0	4,090				
7	0.016	4,470	0.030	1,834	0.000	-	-	6,305	22,266	36000	25.8	4,585				
8	0.014	3,378	0.030	1,954	0.000	-	-	5,333	20,393	32000	29.0	4,094				
9	0.013	3,518	0.032	1,990	0.000	-	-	5,508	19,788	0	-	-				
10	0.012	4,203	0.032	2,002	0.000	-	-	6,205	18,752	31680	29.4	4,399				
11	0.012	3,765	0.032	2,017	0.000	-	-	5,782	18,880	23520	39.5	3,112				
12	0.018	5,480	0.032	2,126	0.000	-	-	7,606	24,983	31200	30.0	4,172				
13	0.019	1,272	0.032	2,047	0.000	-	-	3,319	25,963	35000	26.9	4,846				
14	0.019	5,191	0.032	2,120	0.000	-	-	7,312	25,844	29280	31.9	4,237				
15	0.019	5,604	0.032	2,112	0.001	-	-	7,716	26,033	29280	31.9	4,090				
16	0.020	6,194	0.032	2,094	0.000	-	-	8,288	26,795	25920	35.9	3,610				
17	0.020	5,464	0.032	2,303	0.000	-	-	7,767	27,523	57000	16.2	8,022				
18	0.020	6,025	0.032	2,163	0.001	-	-	8,188	27,412	67200	13.6	9,388				
19	0.020	6,092	0.032	2,057	0.000	-	-	8,148	27,047	26880	33.2	3,659				
20	0.022	5,388	0.032	2,137	0.000	-	-	7,525	28,924	34080	26.3	4,832				
21	0.023	5,891	0.032	2,085	0.002	-	-	7,976	29,898	36960	24.3	5,001				
22	0.023	5,686	0.032	2,107	0.001	-	-	7,792	30,311	49440	18.3	6,610				
23	0.023	5,728	0.032	2,229	0.001	-	-	7,956	30,412	32160	27.9	4,294				
24	0.022	6,612	0.032	2,237	0.002	-	-	8,849	29,290	36960	24.3	5,001				
25	0.020	6,839	0.032	2,285	0.001	-	-	9,124	27,424	33600	26.6	4,614				
26	0.019	5,567	0.032	2,227	0.002	-	-	7,794	26,179	45600	19.7	6,243				
27	0.019	5,717	0.032	2,077	0.003	-	-	7,794	25,861	26400	34.2	3,556				
28	0.053	15,133	0.032	2,055	0.003	-	-	17,187	59,872	44160	20.6	6,243				
29	0.054	17,105	0.032	2,033	0.001	-	-	19,137	60,798	39360	23.9	5,580				
30	0.044	13,039	0.032	2,024	0.001	-	-	15,063	50,808	61440	15.4	7,908				
31	0.044	12,653	0.026	2,000	0.001	-	-	14,653	50,774	23520	40.0	3,159				

Total= 253647.525
FVSR= 44.53%

5

NORTHEAST ANAEROBIC DIGESTER

DAY Feb-10	NE PRIMARY FEED			EAST SECONDARY FEED			NE SECONDARY FEED			NE DIGESTER FEED			PAD			SAD		
	NE PRIMARY FEED (Pickett Thickener)			E SECONDARY FEED			E SECONDARY FEED			E SECONDARY FEED			E SECONDARY FEED			TO PRESSES		
	MGD	PAD	VSS PPD	MGD	PAD	VSS PPD	MGD	PAD	VSS PPD	MGD	PAD	VSS PPD	MGD	PAD	VSS PPD	MGD	PAD	VSS PPD
1	0.026	6,698	2,058	0.032	1,987	0.001	8,756	32,661	38160	25.5	5,247							
2	0.027	6,963	2,002	0.032	1,987	0.001	8,950	33,664	62000	15.4	7,679							
3	0.036	9,458	2,002	0.032	2,002	0.000	11,460	42,686	55000	17.0	7,132							
4	0.036	7,235	1,968	0.032	1,968	0.001	9,204	42,638	40800	22.7	5,053							
5	0.036	6,910	2,006	0.032	2,006	0.001	8,916	42,708	45120	20.5	5,807							
6	0.036	9,980	2,122	0.032	2,122	0.001	12,102	42,932	39840	23.2	4,912							
7	0.036	7,710	2,031	0.032	2,031	0.000	9,741	42,727	28320	32.8	3,667							
8	0.036	7,725	2,106	0.032	2,106	0.001	9,831	42,778	48960	18.9	6,189							
9	0.036	8,701	2,035	0.032	2,035	0.000	10,736	42,758	50400	18.2	6,242							
10	0.035	8,347	1,982	0.032	1,982	0.001	10,329	41,779	40800	22.5	5,683							
11	0.035	8,753	2,071	0.032	2,071	0.001	10,824	41,859	50400	18.1	5,896							
12	0.036	8,606	2,332	0.035	2,332	0.000	10,939	43,631	64320	14.1	8,143							
13	0.035	9,306	2,442	0.035	2,442	0.000	11,748	43,200	31680	28.2	3,889							
14	0.035	7,119	2,380	0.035	2,380	0.000	9,499	42,807	29280	30.8	3,819							
15	0.036	7,632	2,326	0.035	2,326	0.000	9,958	43,682	48000	18.7	6,261							
16	0.035	8,347	2,144	0.034	2,144	0.000	10,491	42,241	45120	19.8	5,629							
17	0.034	9,090	2,295	0.035	2,295	0.000	11,385	41,549	41280	21.9	5,150							
18	0.033	8,806	2,490	0.038	2,490	0.000	11,296	41,270	44640	20.1	5,512							
19	0.033	9,698	2,429	0.037	2,429	0.000	12,128	40,969	39840	22.7	4,971							
20	0.033	10,390	2,441	0.038	2,441	0.000	12,831	41,153	36000	25.2	4,237							
21	0.034	8,456	2,410	0.038	2,410	0.000	10,866	42,084	32160	28.1	3,971							
22	0.035	7,762	2,672	0.040	2,672	0.033	10,434	43,659	50400	18.0	6,270							
23	0.035	8,732	2,597	0.040	2,597	0.106	14,569	51,577	43680	20.8	5,418							
24	0.032	6,557	2,674	0.041	2,674	0.101	13,461	51,778	38400	23.8	4,791							
25	0.029	7,895	2,647	0.043	2,647	0.099	14,649	49,141	48960	18.6	5,839							
26	0.031	8,872	2,834	0.043	2,834	0.099	15,768	51,242	33120	27.6	4,078							
27	0.031	8,184	2,764	0.043	2,764	0.097	14,932	51,108	57600	16.0	7,425							
28	0.031	9,601	2,752	0.043	2,752	0.096	16,533	51,006	48960	18.5	6,367							
29									0	0.0	-							
30									0	0.0	-							
31				0.026					0	0.0	-							

Total= Septage VOL. #s

322334.3638

FVSR=

51.83%

NORTHEAST ANAEROBIC DIGESTER

DAY Mar-10	NE PRIMARY FEED			EAST SECONDARY FEED			NE SECONDARY FEED			NE DIGESTER FEED			Sum of Total Flow Input to PAD (THICKENED) GPD	PAD FEED TO BP GPD	PAD SRT DAY	SAD TO PRESSES VOL PPD
	PAD MGD	NE PRIMARY FEED	VSS PPD	PAD MGD	E SECONDARY FEED	VSS PPD	PAD MGD	NE SECONDARY FEED	VSS PPD	PAD MGD	NE SECONDARY FEED	VSS PPD				
1	0.031		9,647	0.043		2,782	0.096		4,121	16,549		51,194	47040	19.1	6,384	
2	0.032		7,577	0.043		2,786	0.096		4,192	14,555		52,528	50400	18.0	6,830	
3	0.032		9,782	0.044		2,844	0.095		4,339	16,965		52,718	25440	36.0	3,452	
4	0.032		10,214	0.047		3,171	0.096		4,334	17,719		53,707	49920	18.3	6,805	
5	0.032		9,908	0.048		3,128	0.095		4,194	17,230		53,596	57600	15.8	7,817	
6	0.032		12,494	0.049		3,199	0.095		4,292	19,985		53,843	32640	27.7	4,462	
7	0.032		10,671	0.035		2,268	0.094		4,124	17,063		50,583	36960	24.4	4,964	
8	0.032		10,761	0.041		2,602	0.094		4,122	17,485		51,675	42720	21.3	5,755	
9	0.033		10,660	0.055		3,518	0.095		4,260	18,438		55,869	49920	18.3	6,795	
10	0.033		11,734	0.055		3,459	0.095		4,096	19,289		55,433	37920	24.1	5,392	
11	0.033		10,193	0.055		3,351	0.095		4,351	17,896		55,415	50400	18.1	7,114	
12	0.035		10,532	0.055		3,610	0.101		4,727	18,869		59,108	57600	15.9	8,179	
13	0.032		10,729	0.055		3,944	0.103		4,902	19,575		57,524	46560	19.5	5,895	
14	0.033		9,386	0.047		3,288	0.102		4,661	17,335		56,091	21120	43.1	3,132	
15	0.034		11,011	0.044		2,951	0.104		5,272	19,235		56,957	39360	23.5	5,795	
16	0.035		8,962	0.052		3,432	0.100		4,056	16,450		56,692	50400	18.3	7,432	
17	0.035		8,918	0.052		3,320	0.095		3,688	15,927		55,321	46080	20.1	6,785	
18	0.034		8,913	0.050		3,050	0.093		3,592	15,555		53,456	48480	19.0	6,904	
19	0.034		10,592	0.051		3,128	0.093		3,617	17,336		53,766	48000	19.1	7,078	
20	0.035		11,461	0.052		3,153	0.093		3,363	17,977		54,692	25440	36.1	3,735	
21	0.033		9,930	0.053		3,152	0.093		3,537	16,619		52,762	33120	27.8	4,869	
22	0.022		6,696	0.055		3,379	0.094		3,858	13,932		43,484	34080	27.1	4,789	
23	0.054		12,587	0.054		3,175	0.092		3,936	19,698		74,522	54240	16.9	7,622	
24	0.049		9,624	0.055		3,335	0.097		3,938	16,897		70,228	68000	13.5	10,115	
25	0.046		10,305	0.055		3,154	0.095		3,978	17,438		66,861	43000	21.4	6,368	
26	0.037		8,136	0.055		3,292	0.092		3,908	15,336		58,080	42720	21.8	6,439	
27	0.038		9,827	0.055		3,172	0.090		3,676	16,674		58,176	37920	24.3	5,657	
28	0.037		8,835	0.055		3,138	0.100		4,187	16,159		56,254	22080	43.0	3,371	
29	0.019		-	0.051		3,282	0.046		1,879	17,946		34,277	12960	73.7	1,960	
30	0.033		10,701	0.048		3,048	0.109		4,198	17,946		53,989	49440	19.5	7,290	
31	0.033		-	0.026		2,821	0.100		3,784	17,946		52,082	59000	16.0	8,712	

Total= Septage VOL #s

502131.2218

FVSR=

64.71%

NORTHEAST ANAEROBIC DIGESTER

DAY Apr-10	NE PRIMARY FEED			EAST SECONDARY FEED			NE SECONDARY FEED			NE DIGESTER FEED			PAD			SAD		
	NE PRIMARY FEED			E SECONDARY FEED			E SECONDARY FEED			NE SECONDARY FEED			NE SECONDARY FEED			NE SECONDARY FEED		
	PAD MGD	NE PRIMARY FEED (Pickett Thickener)	VSS PPD	PAD MGD	E SECONDARY FEED	VSS PPD	PAD MGD	E SECONDARY FEED	VSS PPD	PAD MGD	NE SECONDARY FEED	VSS PPD	PAD MGD	NE SECONDARY FEED	VSS PPD	PAD MGD	NE SECONDARY FEED	VSS PPD
1	0.032		7,063	0.045		2,779	0.097		3,303			13,145			49,798	48000	19.7	7,119
2	0.031		9,408	0.040		2,301	0.033		970			12,679			40,912	50900	18.6	7,270
3	0.030		9,446	0.040		2,416	0.000		8			11,870			37,479	37920	24.9	5,471
4	0.030		9,885	0.040		2,265	0.000		9			12,160			37,636	24960	37.7	3,534
5	0.028		8,267	0.040		1,805	0.000		9			10,080			35,422	25440	37.0	3,452
6	0.028		9,090	0.040		2,237	0.000		9			11,336			35,363	40800	23.1	5,643
7	0.028		2,565	0.040		2,202	0.000		10			4,777			35,151	32160	29.0	4,461
8	0.030		8,567	0.042		2,374	0.000		9			10,950			37,718	23520	39.9	3,131
9	0.036		8,902	0.043		2,370	0.048		1,686			12,957			48,343	47520	19.5	6,601
10	0.036		8,701	0.044		2,407	0.082		2,716			13,824			51,253	26880	34.7	3,583
11	0.036		7,449	0.043		2,561	0.081		2,588			12,598			51,661	0		-
12	0.037		11,146	0.043		2,440	0.061		2,648			16,234			52,585	55200	16.8	7,264
13	0.037		9,863	0.043		2,391	0.063		2,788			15,042			52,849	48920	18.5	6,302
14	0.037		5,116	0.043		2,400	0.066		2,699			10,215			52,770	58560	15.6	8,064
15	0.038		8,620	0.043		2,360	0.066		2,788			13,768			53,857	48080	19.9	6,028
16	0.038		5,337	0.043		2,482	0.087		2,899			10,719			54,201	39840	23.0	5,502
17	0.038		8,027	0.043		2,454	0.085		2,897			13,378			53,943	31680	28.7	4,384
18	0.037		9,018	0.042		2,532	0.085		3,188			14,738			53,624	24000	38.2	3,305
19	0.037		13,842	0.042		3,065	0.085		3,264			20,160			55,277	52400	17.6	6,925
20	0.038		9,416	0.040		2,537	0.088		3,259			15,212			54,722	45120	20.4	6,277
21	0.039		4,876	0.041		2,516	0.084		3,143			10,535			55,423	62400	14.6	8,518
22	0.039		8,254	0.040		2,401	0.081		2,944			13,599			54,545	26400	34.3	3,479
23	0.038		10,049	0.040		2,378	0.084		2,888			15,315			53,732	37920	24.3	5,400
24	0.038		9,733	0.041		2,367	0.092		3,002			15,102			54,195	33600	27.4	4,593
25	0.039		10,799	0.040		2,264	0.093		3,133			16,196			55,305	14880	62.8	2,110
26	0.038		11,618	0.040		720	0.086		3,261			15,599			49,407	48480	19.8	6,873
27	0.038		10,782	0.040		2,440	0.086		3,167			16,389			54,738	46560	20.2	6,244
28	0.039		11,329	0.037		2,234	0.083		2,990			16,563			54,470	39360	23.8	7,589
29	0.039		5,601	0.034		1,931	0.081		2,856			10,389			53,199	36000	26.2	7,146
30	0.038		8,478	0.035		1,957	0.082		2,959			13,393			52,623	0		-
31				0.026			0.000											

Septage VOL #s
Total=

398912.0867

FVSR=

54.32%

NORTHEAST ANAEROBIC DIGESTER

DAY Jun-10	NE PRIMARY FEED			EAST SECONDARY FEED			NE SECONDARY FEED			NE DIGESTER FEED			PAD			SAD		
	NE PRIMARY FEED (Pickoff Thickener)			E SECONDARY FEED			E SECONDARY FEED			E SECONDARY FEED			E SECONDARY FEED			E SECONDARY FEED		
	MGD	VSS PPD	PAD	MGD	VSS PPD	PAD	MGD	VSS PPD	PAD	MGD	VSS PPD	PAD	MGD	VSS PPD	PAD	MGD	VSS PPD	PAD
1	0.038	9,850		0.023	1,417		0.088	2,928		0.088	2,928		0.088	2,928		0.088	2,928	
2	0.068	15,197		0.024	1,467		0.076	2,348		0.076	2,348		0.076	2,348		0.076	2,348	
3	0.043	9,397		0.023	1,409		0.077	2,336		0.077	2,336		0.077	2,336		0.077	2,336	
4	0.040	10,435		0.023	1,589		0.070	2,317		0.070	2,317		0.070	2,317		0.070	2,317	
5	0.040	9,848		0.023	1,545		0.070	2,196		0.070	2,196		0.070	2,196		0.070	2,196	
6	0.040	10,368		0.024	1,785		0.069	2,124		0.069	2,124		0.069	2,124		0.069	2,124	
7	0.040	10,245		0.026	1,881		0.068	2,069		0.068	2,069		0.068	2,069		0.068	2,069	
8	0.039	10,465		0.026	1,715		0.073	2,255		0.073	2,255		0.073	2,255		0.073	2,255	
9	0.040	7,350		0.029	1,887		0.075	2,186		0.075	2,186		0.075	2,186		0.075	2,186	
10	0.040	8,227		0.030	1,878		0.079	2,308		0.079	2,308		0.079	2,308		0.079	2,308	
11	0.039	9,880		0.032	2,033		0.084	2,357		0.084	2,357		0.084	2,357		0.084	2,357	
12	0.039	8,177		0.032	2,041		0.083	2,442		0.083	2,442		0.083	2,442		0.083	2,442	
13	0.040	6,814		0.030	1,913		0.091	2,777		0.091	2,777		0.091	2,777		0.091	2,777	
14	0.040	5,754		0.032	2,021		0.092	2,593		0.092	2,593		0.092	2,593		0.092	2,593	
15	0.039	12,324		0.034	1,962		0.081	3,139		0.081	3,139		0.081	3,139		0.081	3,139	
16	0.039	9,719		0.035	2,173		0.098	2,958		0.098	2,958		0.098	2,958		0.098	2,958	
17	0.040	7,566		0.034	2,074		0.108	3,316		0.108	3,316		0.108	3,316		0.108	3,316	
18	0.040	7,467		0.035	2,133		0.105	3,129		0.105	3,129		0.105	3,129		0.105	3,129	
19	0.040	7,510		0.029	1,808		0.095	3,145		0.095	3,145		0.095	3,145		0.095	3,145	
20	0.039	7,608		0.029	1,839		0.097	3,772		0.097	3,772		0.097	3,772		0.097	3,772	
21	0.040	9,980		0.030	1,861		0.093	3,233		0.093	3,233		0.093	3,233		0.093	3,233	
22	0.040	9,752		0.035	2,402		0.081	2,741		0.081	2,741		0.081	2,741		0.081	2,741	
23	0.041	8,083		0.035	2,355		0.079	2,475		0.079	2,475		0.079	2,475		0.079	2,475	
24	0.042	8,774		0.035	2,244		0.081	2,464		0.081	2,464		0.081	2,464		0.081	2,464	
25	0.041	9,799		0.035	2,363		0.082	2,347		0.082	2,347		0.082	2,347		0.082	2,347	
26	0.041	6,721		0.035	2,247		0.085	2,466		0.085	2,466		0.085	2,466		0.085	2,466	
27	0.040	10,016		0.035	2,192		0.084	2,908		0.084	2,908		0.084	2,908		0.084	2,908	
28	0.041	10,707		0.034	2,296		0.068	2,261		0.068	2,261		0.068	2,261		0.068	2,261	
29	0.042	12,191		0.035	2,290		0.067	2,332		0.067	2,332		0.067	2,332		0.067	2,332	
30	0.047	12,166		0.033	2,385		0.074	2,473		0.074	2,473		0.074	2,473		0.074	2,473	
31																		

Septage VOL #s

Total=

420081.3735

FVSR=

70.24%

NORTHEAST ANAEROBIC DIGESTER

DAY Jul-10	NE PRIMARY FEED			EAST SECONDARY FEED			NE SECONDARY FEED			NE DIGESTER FEED			Sum of Total Flow Input to PAD (THICKENED)	PAD FEED TO BP	PAD SRT	SAD TO PRESSES		
	PAD MGD (Pickett Thickener)	NE PRIMARY FEED	PAD VSS PPD	E SECONDARY FEED	PAD MGD	VSS PPD	E SECONDARY FEED	PAD MGD	VSS PPD	NE SECONDARY FEED	PAD MGD	VSS PPD					Sum of Total VSS Input to PAD	PPD
1	0.040	9,091		2,378	0.035		2,902	0.082		14,372	56,212	48000	21.6	5,212				
2	0.050	10,458		2,432	0.035		2,795	0.080		15,685	66,093	50400	20.4	5,414				
3	0.040	9,119		2,624	0.034		3,037	0.083		14,780	56,904	25440	40.6	2,760				
4	0.040	8,807		2,431	0.032		3,250	0.080		14,489	56,865	40320	25.3	4,689				
5	0.039	8,206		2,686	0.032		3,338	0.078		14,230	56,704	36480	28.3	4,217				
6	0.040	9,283		2,447	0.032		3,177	0.081		14,908	56,656	38880	27.0	4,248				
7	0.040	8,412		2,350	0.030		2,934	0.078		13,697	55,495	49440	21.2	5,698				
8	0.040	9,458		1,926	0.026		2,696	0.075		14,080	53,716	46560	22.4	5,172				
9	0.040	9,233		1,799	0.026		2,524	0.067		13,555	53,056	48960	21.2	5,390				
10	0.039	8,576		1,825	0.026		2,828	0.076		13,229	52,495	35520	28.1	4,112				
11	0.040	8,449		1,836	0.028		2,711	0.079		12,996	53,675	45120	22.8	5,192				
12	0.038	8,228		2,271	0.035		2,758	0.078		13,257	54,083	37820	27.2	4,350				
13	0.039	8,566		2,184	0.035		2,309	0.068		13,059	52,664	34560	29.9	4,172				
14	0.039	8,198		2,185	0.035		2,550	0.073		12,933	53,124	47520	21.7	5,551				
15	0.038	8,545		2,053	0.032		2,330	0.071		12,928	52,385	45600	22.5	5,279				
16	0.039	9,495		2,017	0.032		2,617	0.075		14,119	53,043	41760	24.6	4,569				
17	0.039	7,699		2,158	0.034		2,461	0.075		12,318	53,089	34080	30.0	3,939				
18	0.039	8,167		2,314	0.037		2,724	0.079		13,206	54,120	29760	34.4	3,276				
19	0.040	9,850		2,570	0.037		2,977	0.076		15,397	56,540	46080	22.5	5,407				
20	0.040	8,807		2,484	0.037		2,843	0.077		14,135	56,016	46080	22.4	5,335				
21	0.041	8,162		2,476	0.038		2,771	0.078		13,410	56,904	45600	22.6	5,351				
22	0.041	8,586		2,291	0.037		2,604	0.075		13,482	55,899	44160	23.4	4,861				
23	0.040	8,572		2,312	0.038		3,062	0.081		13,946	55,737	50400	20.4	5,861				
24	0.039	7,186		2,545	0.038		2,561	0.075		12,291	54,547	35520	28.9	4,199				
25	0.040	13,330		2,679	0.037		2,998	0.074		19,006	57,065	42720	24.0	4,774				
26	0.040	8,209		2,677	0.038		2,874	0.077		13,760	56,618	47520	21.7	5,816				
27	0.039	7,697		2,544	0.038		3,093	0.082		13,334	55,709	48480	21.3	5,680				
28	0.040	9,936		2,392	0.037		2,970	0.081		15,298	55,742	38880	26.6	4,815				
29	0.040	8,207		2,324	0.037		2,547	0.075		13,078	54,800	54240	19.0	6,346				
30	0.039	8,077		2,409	0.037		2,614	0.076		13,100	54,167	47520	21.6	5,493				
31	0.040	8,016		2,328	0.026		3,093	0.080		13,439	56,002	37920	27.1	4,390				

Total=

Septage VOL #s
431516.2204

FVSR=

62.78%

NE PRIMARY FEED

Septage VOL #s

Total=

58.85%

NORTHEAST ANAEROBIC DIGESTER

DAY Sep-10	NE PRIMARY FEED			EAST SECONDARY FEED			NE SECONDARY FEED			NE DIGESTER FEED			PAD SRT	SAD TO PRESSES		
	PAD NE PRIMARY FEED (Pickett Thickenr)	VSS PPD	MGD	PAD E SECONDARY FEED	VSS PPD	MGD	PAD SECONDARY FEED	VSS PPD	MGD	PAD NE SECONDARY FEED	VSS PPD	Sum of Total VSS Input to PAD			Sum of Total Flow Input to PAD (THICKENED)	PAD FEED TO BP
1	0.036	10,586	0.038	2,200	1,380	0.055	1,380	14,166	47,288	44640	23.0	5,160				
2	0.036	7,485	0.037	2,212	1,776	0.061	1,776	11,473	48,215	36480	28.2	4,217				
3	0.037	9,357	0.038	2,279	2,178	0.062	2,178	13,815	50,780	50880	20.3	6,143				
4	0.036	7,053	0.037	2,178	1,775	0.055	1,775	11,005	48,759	30720	33.5	3,320				
5	0.036	7,467	0.037	2,116	2,030	0.061	2,030	11,613	49,110	42240	24.4	4,351				
6	0.036	7,672	0.037	2,196	2,109	0.060	2,109	11,978	49,207	45000	22.7	4,961				
7	0.036	9,692	0.037	2,265	1,969	0.058	1,969	13,926	49,307	41700	24.4	4,612				
8	0.036	8,421	0.037	2,268	2,159	0.059	2,159	12,847	49,896	33000	31.4	3,644				
9	0.036	8,371	0.037	2,276	2,465	0.068	2,465	13,113	50,592	47040	22.1	5,520				
10	0.036	7,773	0.038	2,110	2,364	0.067	2,364	12,247	49,825	46080	22.6	5,073				
11	0.037	8,519	0.037	1,945	2,305	0.065	2,305	12,769	50,220	45120	22.8	4,583				
12	0.036	7,946	0.037	1,860	1,986	0.059	1,986	11,792	48,322	32000	32.1	3,523				
13	0.036	8,539	0.038	1,910	1,990	0.062	1,990	12,439	48,768	39000	26.6	4,701				
14	0.037	6,330	0.036	1,848	2,367	0.064	2,367	10,545	50,463	48000	21.5	5,156				
15	0.037	8,126	0.032	1,738	2,291	0.067	2,291	12,165	49,767	39000	26.4	4,222				
16	0.038	5,226	0.032	1,604	2,300	0.066	2,300	9,130	50,737	45120	22.8	4,862				
17	0.037	7,212	0.032	1,689	-	0.067	-	8,900	49,328	42720	24.0	4,682				
18	0.038	9,126	0.032	1,613	2,115	0.064	2,115	12,853	49,799	36000	28.5	3,909				
19	0.037	7,128	0.032	1,634	2,075	0.061	2,075	10,837	48,667	35000	29.3	3,818				
20	0.038	8,642	0.032	1,617	2,000	0.060	2,000	12,258	49,501	42240	24.3	4,601				
21	0.038	7,251	0.032	1,586	2,016	0.060	2,016	10,853	49,422	48480	21.0	5,280				
22	0.039	9,267	0.032	1,693	2,377	0.060	2,377	13,337	51,048	41000	24.9	4,479				
23	0.038	8,255	0.032	1,954	2,105	0.061	2,105	12,314	50,426	50400	20.2	5,994				
24	0.039	8,803	0.031	1,806	2,370	0.062	2,370	12,980	51,160	26400	38.7	2,946				
25	0.032	7,292	0.032	1,878	2,101	0.062	2,101	11,272	44,724	42720	23.8	4,901				
26	0.036	8,224	0.031	1,783	2,004	0.057	2,004	12,011	48,046	30000	33.9	3,273				
27	0.035	8,237	0.032	1,885	2,016	0.055	2,016	12,137	47,369	38400	26.7	4,486				
28	0.035	8,449	0.032	1,835	1,983	0.057	1,983	12,268	46,983	47040	21.8	5,462				
29	0.035	7,989	0.032	1,876	1,283	0.049	1,283	11,147	44,862	45000	19.4	5,225				
30	0.034	10,093	0.032	1,800	533	0.029	533	12,426	42,402	34560	17.9	3,787				

Total= Septage VOL. #s

360608.6686

FVSR= 62.04%

NORTHEAST ANAEROBIC DIGESTER

DAY Oct-10	NE PRIMARY FEED			EAST SECONDARY FEED			NE SECONDARY FEED			NE DIGESTER FEED			PAD SRT	SAD TO PRESSES
	PAD NE PRIMARY FEED (Pickett Thickener)	VSS PPD	MGD	PAD E SECONDARY FEED	VSS PPD	MGD	PAD SECONDARY FEED	VSS PPD	PAD NE SECONDARY FEED	VSS PPD	Sum of Total VSS Input to PAD	Sum of Total Flow Input to PAD (THICKENED)		
1	0.035	8,042	0.032	1,859	2,006	0.031	11,908	46,969	44160	23.2	5,027			
2	0.034	7,828	0.032	1,849	2,002	0.062	11,679	46,036	34080	30.0	3,775			
3	0.032	7,314	0.032	1,612	1,948	0.062	10,873	43,517	35520	28.9	3,893			
4	0.032	6,945	0.032	1,747	1,951	0.060	10,643	43,680	34980	23.5	4,780			
5	0.032	7,078	0.032	1,652	2,060	0.062	10,789	43,795	47520	21.5	5,160			
6	0.031	6,701	0.032	1,712	2,027	0.061	10,441	42,730	47520	21.3	5,493			
7	0.031	6,790	0.028	1,455	2,063	0.063	10,299	42,542	39360	25.9	4,333			
8	0.032	7,257	0.032	1,634	1,936	0.062	10,826	43,507	47760	21.5	5,462			
9	0.032	7,878	0.032	1,775	1,581	0.057	11,233	42,922	30240	33.7	3,304			
10	0.032	7,222	0.032	1,772	1,688	0.060	10,682	43,278	29880	38.1	2,914			
11	0.032	9,215	0.032	1,903	1,994	0.060	13,112	44,118	75800	13.3	8,629			
12	0.056	11,438	0.032	1,815	1,989	0.063	15,212	67,960	18720	54.4	2,144			
13	0.027	5,909	0.029	1,654	1,629	0.054	9,192	37,421	49440	21.0	5,987			
14	0.031	6,166	0.034	2,051	1,622	0.056	9,839	43,136	46560	22.0	5,048			
15	0.031	7,506	0.034	1,845	1,737	0.059	11,087	43,193	38400	26.6	4,170			
16	0.032	5,338	0.034	1,788	1,649	0.054	8,775	43,162	31680	32.2	3,629			
17	0.032	7,037	0.034	1,888	1,765	0.058	10,690	43,664	35520	28.9	3,845			
18	0.032	6,405	0.034	2,036	1,791	0.056	10,233	44,281	44160	23.2	4,548			
19	0.032	6,784	0.035	1,970	1,865	0.063	10,620	44,378	42702	23.9	4,630			
20	0.032	1,269	0.035	1,964	1,963	0.065	5,196	44,541	32640	31.4	3,539			
21	0.031	6,283	0.034	1,946	2,222	0.074	10,450	44,382	42240	24.2	4,615			
22	0.032	7,328	0.036	2,007	2,232	0.069	11,567	45,186	34560	27.5	3,747			
23	0.032	8,059	0.037	1,971	2,373	0.070	12,402	45,740	36000	27.8	4,136			
24	0.032	6,581	0.037	2,038	2,826	0.080	11,446	47,250	34560	29.6	3,971			
25	0.032	6,966	0.037	2,126	3,124	0.090	12,217	48,380	36480	28.1	3,949			
26	0.031	7,375	0.037	2,104	2,790	0.065	12,269	46,435	50880	20.2	5,533			
27	0.032	6,824	0.038	2,400	2,511	0.077	11,734	47,824	28000	36.9	3,050			
28	0.032	7,305	0.037	2,177	2,406	0.073	11,887	46,661	48000	21.5	5,188			
29	0.032	7,164	0.037	2,122	2,648	0.078	11,934	47,743	38400	26.8	4,157			
30	0.032	6,501	0.037	2,038	2,443	0.069	10,982	46,433	38400	26.7	4,371			
31	0.032	6,644	0.026	1,835	2,232	0.063	10,711	46,061	31680	32.3	3,612			

Septage VOL. #s

Total=

340928.4385

FVSR=

59.92%

NORTHEAST ANAEROBIC DIGESTER

DAY Nov-10	NE PRIMARY FEED			EAST SECONDARY FEED			NE SECONDARY PAD			NE DIGESTER FEED			PAD			SAD		
	NE PRIMARY FEED			E SECONDARY FEED			PAD			NE SECONDARY FEED			PAD			SAD		
	PAD MGD (Thickener)	VSS PPD	NE PRIMARY FEED	PAD MGD	VSS PPD	E SECONDARY FEED	PAD MGD	VSS PPD	NE SECONDARY FEED	PAD MGD	VSS PPD	NE SECONDARY FEED	PAD MGD	VSS PPD	NE SECONDARY FEED	PAD MGD	VSS PPD	NE SECONDARY FEED
1	0.031	6,909	6,909	0.035	2,020	2,020	0.075	2,769	2,769	11,689	46,006	47,040	21.7	5,355	5,355	21.7	5,355	5,355
2	0.031	4,235	4,235	0.040	2,256	2,256	0.075	2,769	2,769	9,260	46,892	47,040	25.6	4,542	4,542	25.6	4,542	4,542
3	0.032	5,948	5,948	0.040	2,358	2,358	0.078	2,864	2,864	11,170	48,247	48,247	29.3	4,014	4,014	29.3	4,014	4,014
4	0.032	6,269	6,269	0.040	2,392	2,392	0.070	2,852	2,852	11,313	47,896	48,000	22.6	5,175	5,175	22.6	5,175	5,175
5	0.032	7,925	7,925	0.040	2,431	2,431	0.067	2,374	2,374	12,729	47,475	48,000	24.4	4,789	4,789	24.4	4,789	4,789
6	0.032	7,134	7,134	0.040	2,427	2,427	0.064	2,103	2,103	11,663	46,638	48,000	35.7	3,284	3,284	35.7	3,284	3,284
7	0.033	7,167	7,167	0.040	2,452	2,452	0.062	2,087	2,087	11,706	47,467	48,000	30.5	3,831	3,831	30.5	3,831	3,831
8	0.034	9,090	9,090	0.040	2,495	2,495	0.063	2,258	2,258	13,844	48,784	50,400	20.5	6,648	6,648	20.5	6,648	6,648
9	0.033	6,308	6,308	0.036	2,107	2,107	0.063	2,148	2,148	10,563	46,721	48,000	21.1	5,621	5,621	21.1	5,621	5,621
10	0.033	6,227	6,227	0.041	2,403	2,403	0.061	2,122	2,122	10,761	47,710	48,000	26.8	4,365	4,365	26.8	4,365	4,365
11	0.032	6,245	6,245	0.041	2,455	2,455	0.061	2,216	2,216	10,916	46,944	48,000	21.4	5,498	5,498	21.4	5,498	5,498
12	0.032	7,811	7,811	0.041	2,491	2,491	0.062	2,425	2,425	12,727	47,315	48,000	26.3	4,508	4,508	26.3	4,508	4,508
13	0.032	7,450	7,450	0.040	2,399	2,399	0.063	2,330	2,330	12,179	46,764	48,000	30.5	4,069	4,069	30.5	4,069	4,069
14	0.032	7,875	7,875	0.040	2,400	2,400	0.063	2,263	2,263	12,538	46,641	48,000	34.0	2,292	2,292	34.0	2,292	2,292
15	0.032	6,362	6,362	0.040	2,467	2,467	0.063	2,307	2,307	11,136	46,947	48,000	20.0	2,375	2,375	20.0	2,375	2,375
16	0.031	6,298	6,298	0.040	2,417	2,417	0.064	2,339	2,339	11,054	46,805	48,000	22.7	5,383	5,383	22.7	5,383	5,383
17	0.031	6,437	6,437	0.040	2,470	2,470	0.064	2,460	2,460	11,367	46,438	48,000	32.5	3,612	3,612	32.5	3,612	3,612
18	0.032	6,470	6,470	0.040	2,466	2,466	0.061	2,421	2,421	11,367	47,093	48,000	22.0	5,374	5,374	22.0	5,374	5,374
19	0.032	7,236	7,236	0.040	2,512	2,512	0.059	2,270	2,270	12,018	47,192	48,000	22.8	5,223	5,223	22.8	5,223	5,223
20	0.032	7,519	7,519	0.040	2,442	2,442	0.061	2,450	2,450	12,411	46,998	48,000	34.4	3,587	3,587	34.4	3,587	3,587
21	0.032	6,827	6,827	0.040	2,586	2,586	0.061	2,533	2,533	11,957	48,264	48,000	31.4	3,989	3,989	31.4	3,989	3,989
22	0.032	5,271	5,271	0.033	1,889	1,889	0.061	2,605	2,605	9,765	46,782	48,000	22.5	5,279	5,279	22.5	5,279	5,279
23	0.032	7,046	7,046	0.033	1,922	1,922	0.063	2,648	2,648	11,615	46,013	48,000	22.9	5,718	5,718	22.9	5,718	5,718
24	0.032	6,389	6,389	0.038	2,419	2,419	0.059	2,410	2,410	11,218	47,185	48,000	24.5	4,900	4,900	24.5	4,900	4,900
25	0.033	7,851	7,851	0.037	2,245	2,245	0.063	2,702	2,702	12,798	47,893	48,000	33.0	3,611	3,611	33.0	3,611	3,611
26	0.032	7,739	7,739	0.037	2,339	2,339	0.070	2,793	2,793	12,871	47,506	48,000	23.2	5,151	5,151	23.2	5,151	5,151
27	0.032	6,792	6,792	0.037	2,480	2,480	0.069	2,709	2,709	11,961	47,835	48,000	24.2	5,115	5,115	24.2	5,115	5,115
28	0.032	7,495	7,495	0.038	2,358	2,358	0.073	2,884	2,884	12,737	48,060	48,000	18.3	6,833	6,833	18.3	6,833	6,833
29	0.032	6,926	6,926	0.038	2,280	2,280	0.068	2,600	2,600	11,805	46,838	48,000	35.2	3,576	3,576	35.2	3,576	3,576
30	0.032	6,068	6,068	0.037	2,118	2,118	0.072	2,710	2,710	10,896	46,455	48,000						

Septage VOL #s
Total=

350016.6856

FVSR=

61.80%

NORTHEAST ANAEROBIC DIGESTER

DAY Dec-10	NE PRIMARY FEED				EAST SECONDARY FEED				NE SECONDARY FEED				NE DIGESTER FEED				SAD TO PRESSES			
	PAD		NE PRIMARY FEED		PAD		E SECONDARY FEED		PAD		NE SECONDARY FEED		PAD		Sum of Total VSS Input to PAD			Sum of Total Flow Input to PAD (THICKENED)	PAD FEED TO BP	PAD SRT
	MGD	VSS PPD	MGD	VSS PPD	MGD	VSS PPD	MGD	VSS PPD	MGD	VSS PPD	MGD	VSS PPD	MGD	VSS PPD	MGD	VSS PPD				
1	0.033	8,576	0.037	2,242	0.037	2,242	0.077	2,915	0.077	2,915	0.077	2,915	13,732	48,656	41760	24.6	5,195			
2	0.034	7,520	0.037	2,331	0.037	2,331	0.080	2,944	0.080	2,944	0.080	2,944	12,796	50,404	49000	20.9	6,114			
3	0.033	7,473	0.038	2,329	0.038	2,329	0.076	2,863	0.076	2,863	0.076	2,863	12,664	49,425	51000	20.2	6,176			
4	0.034	7,979	0.037	2,242	0.037	2,242	0.069	2,617	0.069	2,617	0.069	2,617	12,838	49,084	19680	52.6	2,525			
5	0.034	7,790	0.037	2,317	0.037	2,317	0.074	2,792	0.074	2,792	0.074	2,792	12,899	49,930	44640	23.1	5,398			
6	0.034	6,768	0.037	2,297	0.037	2,297	0.073	2,792	0.073	2,792	0.073	2,792	11,896	49,642	37440	27.8	4,575			
7	0.034	6,993	0.038	2,480	0.038	2,480	0.075	2,768	0.075	2,768	0.075	2,768	12,241	50,219	42000	24.8	5,125			
8	0.034	5,721	0.040	2,699	0.040	2,699	0.063	2,324	0.063	2,324	0.063	2,324	10,744	49,790	49920	21.0	6,109			
9	0.034	6,628	0.040	2,651	0.040	2,651	0.068	2,510	0.068	2,510	0.068	2,510	11,789	50,135	49920	20.6	6,063			
10	0.034	8,080	0.041	2,710	0.041	2,710	0.069	2,822	0.069	2,822	0.069	2,822	13,612	50,567	37920	27.6	4,641			
11	0.034	7,349	0.043	2,891	0.043	2,891	0.069	2,639	0.069	2,639	0.069	2,639	12,879	51,119	29760	35.1	3,719			
12	0.034	7,200	0.044	2,860	0.044	2,860	0.084	3,096	0.084	3,096	0.084	3,096	13,166	51,905	35520	29.4	4,347			
13	0.033	6,393	0.044	2,845	0.044	2,845	0.096	3,219	0.096	3,219	0.096	3,219	12,457	51,569	36400	27.3	4,706			
14	0.033	7,673	0.046	3,059	0.046	3,059	0.069	2,663	0.069	2,663	0.069	2,663	13,396	50,534	38880	27.0	4,481			
15	0.033	7,976	0.046	3,013	0.046	3,013	0.073	2,870	0.073	2,870	0.073	2,870	13,858	50,965	46080	22.7	5,407			
16	0.033	6,305	0.046	3,009	0.046	3,009	0.069	2,717	0.069	2,717	0.069	2,717	12,032	50,551	36480	28.8	4,478			
17	0.032	6,207	0.048	3,155	0.048	3,155	0.083	3,187	0.083	3,187	0.083	3,187	12,549	51,392	44640	23.3	5,488			
18	0.032	7,116	0.049	3,135	0.049	3,135	0.079	2,983	0.079	2,983	0.079	2,983	13,234	50,900	24000	43.4	2,928			
19	0.032	6,858	0.049	3,118	0.049	3,118	0.083	3,086	0.083	3,086	0.083	3,086	13,062	51,045	30240	34.4	3,701			
20	0.040	9,244	0.049	3,117	0.049	3,117	0.083	3,197	0.083	3,197	0.083	3,197	15,558	59,082	40320	25.9	4,912			
21	0.033	7,222	0.049	3,129	0.049	3,129	0.082	2,892	0.082	2,892	0.082	2,892	13,243	51,433	43200	24.1	5,334			
22	0.033	7,213	0.050	3,242	0.050	3,242	0.079	2,821	0.079	2,821	0.079	2,821	13,276	51,405	34683	30.1	4,289			
23	0.032	7,482	0.053	3,610	0.053	3,610	0.080	3,008	0.080	3,008	0.080	3,008	14,100	51,784	41280	25.3	5,082			
24	0.033	7,654	0.055	3,975	0.055	3,975	0.080	2,881	0.080	2,881	0.080	2,881	14,511	53,688	41760	24.8	5,455			
25	0.033	5,608	0.058	3,799	0.058	3,799	0.073	2,522	0.073	2,522	0.073	2,522	11,928	52,217	32160	32.3	3,971			
26	0.033	7,269	0.058	3,507	0.058	3,507	0.078	2,815	0.078	2,815	0.078	2,815	13,590	51,914	28320	36.7	3,481			
27	0.034	4,134	0.058	3,519	0.058	3,519	0.086	2,950	0.086	2,950	0.086	2,950	10,603	53,860	49440	21.2	5,819			
28	0.033	6,869	0.058	3,492	0.058	3,492	0.103	3,801	0.103	3,801	0.103	3,801	14,162	54,667	46920	20.9	6,045			
29	0.033	7,899	0.057	3,476	0.057	3,476	0.105	3,861	0.105	3,861	0.105	3,861	15,236	54,611	37440	28.1	4,630			
30	0.033	7,538	0.058	3,890	0.058	3,890	0.103	3,605	0.103	3,605	0.103	3,605	15,033	55,561	39840	26.2	5,186			
31	0.033	6,988	0.026	4,028	0.026	4,028	0.100	3,547	0.100	3,547	0.100	3,547	14,563	55,859	46560	22.4	6,073			

Septage VOL #s

Total=

407597.5076

FVSR=

62.85%

FECAL COLIFORM ANALYSIS OF SLUDGES

Date	Sample	Fecal Count By M.F.C.	WPC Lab, Fecal Count by MPN	SANDERS Fecal Count by MPN
1/10/10	MS #1			11,300
1/12/10	MS #2			11,500
1/14/10	MS #3			3,450
1/17/10	MS #4			10,700
1/19/10	MS #5			17,100
1/21/10	MS #6			20,000
1/24/10	MS #7			10,900
				Geo Mean-10,866
1/11/10	NE #1			394
1/13/10	NE #2			11,400
1/15/10	NE #3			15,900
1/18/10	NE #4			1,320
1/20/10	NE #5			815
1/22/10	NE #6			3,360
1/25/10	NE #7			1,630
				Geo Mean-2371

FECAL COLIFORM ANALYSIS OF SLUDGES

Date	Sample	Fecal Count By M.F.C.	WPC Lab, Fecal Count by MPN	SANDERS Fecal Count by MPN
3/10/10	MS #1			7,480
3/12/10	MS #2			61,200
3/15/10	MS #3			34,200
3/17/10	MS #4			7,910
3/19/10	MS #5			12,000
3/22/10	MS #6			3,680
3/24/10	MS #7			12,000
				Geo Mean-13084
3/10/10	NE #1			3,550
3/12/10	NE #2			5,370
3/15/10	NE #3			1,050
3/17/10	NE #4			2,070
3/19/10	NE #5			66,700
3/22/10	NE #6			1,220
3/24/10	NE # 7			2,140
				Geo Mean-3557

FECAL COLIFORM ANALYSIS OF SLUDGES

Date	Sample	Fecal Count By M.F.C.	WPC Lab. Fecal Count by MPN	SANDERS Fecal Count by MPN
5/9/10	MS #1			11,200
5/11/10	MS #2			11,200
5/13/10	MS #3			3,400
5/16/10	MS #4			7,190
5/19/10	MS #5			60,000
5/20/10	MS #6			60,400
5/23/10	MS #7			35,200
				Geo Mean-16884
5/10/10	NE #1			5,710
5/12/10	NE #2			4,580
5/14/10	NE #3			5,110
5/17/10	NE #4			7,050
5/19/10	NE #5			8,500
5/21/10	NE #6			20,100
5/24/10	NE #7			14,400
				Geo Mean-8115

Bimonthly Sludge Report



Public Utilities Laboratory

1605 Harbor Dr. Clearwater, Florida
33755

Ph: (727) 462 6664 Fax: (727) 462 3602

FDOH # E54021

Customer Name: Northeast Wastewater
Treatment Plant

Address: 3290 State Road 580
Safety Harbor, Florida

Matrix: Sludge

Sample Number 10010602-008

Order ID:

10010602

Parameters	Units	Result	Qualifier	Method	Detection Limit	Analyst	Analysis Date
pH	ph Units	7.6		Field Measurement		Operator	
Kjeldahl Nitrogen	%	6.2		EPA 351.2	0.00064	LA	2/1/2010
Mercury	mg/kg	1.1		EPA 7471	0.82	BL	2/10/2010
Nitrate+Nitrite-N	%	0.007		EPA 353.2	0.0002	LA	1/29/2010
Selenium	mg/kg	6.6		EPA 6010b	0.03	BL	2/9/2010
Arsenic	mg/kg	14		EPA 6010b	0.32	BL	2/9/2010
Cadmium	mg/kg	1.1		EPA 6010b	0.24	BL	2/9/2010
Chromium	mg/kg	31		EPA 6010b	0.63	BL	2/9/2010
Copper	mg/kg	699		EPA 6010b	0.29	BL	2/9/2010
Lead	mg/kg	14		EPA 6010b	0.27	BL	2/9/2010
Molybdenum	mg/kg	22		EPA 6010b	0.13	BL	2/9/2010
Nickel	mg/kg	14		EPA 6010b	0.27	BL	2/9/2010
Potassium	%	0.18		EPA 6010b	0.000086	BL	2/9/2010
Total Phosphorus	%	3.8		EPA 365.4	0.00048	LA	2/1/2010
Total Nitrogen	%	6.2		Calculation	0.00064	LA	2/1/2010
Total Solids	%	14.4		SM 2540B	0.1	BL	2/2/2010
Zinc	mg/kg	623		EPA 6010b	0.42	BL	2/9/2010

Comments: -All results are on dry basis.
-pH value is an average.
-All Detection Limits are in the same units as the parameters.

Approved By:

Maria de la Cantera

Maria de la Cantera

Bimonthly Sludge Report



Public Utilities Laboratory

1605 Harbor Dr. Clearwater, Florida
33755

Ph: (727) 462 6664 Fax: (727) 462 3602

FDOH # E54021

Customer Name: Northeast Wastewater
Treatment Plant

Address: 3290 State Road 580
Safety Harbor, Florida

Matrix: Sludge

Sample Number 10030302-008

Order ID:

10030302

Parameters	Units	Result	Qualifier	Method	Detection Limit	Analyst	Analysis Date
pH	ph Units	7.4		Field Measurement		Operator	
Kjeldahl Nitrogen	%	5.4		EPA 351.2	0.00064	LA	4/1/2010
Mercury	mg/kg	0.91		EPA 7471	0.82	BL	3/31/2010
Nitrate+Nitrite-N	%	0.02		EPA 353.2	0.0002	LA	4/1/2010
Selenium	mg/kg	5.8		EPA 6010b	0.03	BL	3/31/2010
Arsenic	mg/kg	18	J3	EPA 6010b	0.32	BL	3/31/2010
Cadmium	mg/kg	1.5		EPA 6010b	0.24	BL	3/31/2010
Chromium	mg/kg	35		EPA 6010b	0.63	BL	3/31/2010
Copper	mg/kg	681		EPA 6010b	0.29	BL	3/31/2010
Lead	mg/kg	14		EPA 6010b	0.27	BL	3/31/2010
Molybdenum	mg/kg	25	J3	EPA 6010b	0.13	BL	3/31/2010
Nickel	mg/kg	14		EPA 6010b	0.27	BL	3/31/2010
Potassium	%	.23		EPA 6010b	0.000086	BL	3/31/2010
Total Phosphorus	%	3.6		EPA 365.4	0.00048	LA	4/1/2010
Total Nitrogen	%	5.4		Calculation	0.00064	LA	4/1/2010
Total Solids	%	14.3		SM 2540B	0.1	BL	3/31/2010
Zinc	mg/kg	720	J3	EPA 6010b	0.42	BL	3/31/2010

Comments: -All results are on dry basis.
-pH value is an average.
-All Detection Limits are in the same units as the parameters.

Approved By:

A handwritten signature in black ink, appearing to read "Manny Pe".

Manny Pe

Bimonthly Sludge Report



Public Utilities Laboratory

1605 Harbor Dr. Clearwater, Florida
33755

Ph: (727) 462 6664 Fax: (727) 462 3602

FDOH # E54021

Customer Name: Northeast Wastewater
Treatment Plant

Address: 3290 State Road 580
Safety Harbor, Florida

Matrix: Sludge

Sample Number 10050402-008

Order ID:

10050402

Parameters	Units	Result	Qualifier	Method	Detection Limit	Analyst	Analysis Date
pH	ph Units	7.7		Field Measurement		Operator	
Kjeldahl Nitrogen	%	5.6		EPA 351.2	0.00064	LA	6/3/2010
Mercury	mg/kg	1.5		EPA 7471	0.82	BL	6/14/2010
Nitrate+Nitrite-N	%	0.006		EPA 353.2	0.0002	LA	6/2/2010
Selenium	mg/kg	7.4	J3	EPA 6010b	0.03	BL	6/11/2010
Arsenic	mg/kg	21	J3	EPA 6010b	0.32	BL	6/11/2010
Cadmium	mg/kg	1.5		EPA 6010b	0.24	BL	6/11/2010
Chromium	mg/kg	40		EPA 6010b	0.63	BL	6/11/2010
Copper	mg/kg	697		EPA 6010b	0.29	BL	6/11/2010
Lead	mg/kg	17	J3	EPA 6010b	0.27	BL	6/11/2010
Molybdenum	mg/kg	19		EPA 6010b	0.13	BL	6/11/2010
Nickel	mg/kg	14		EPA 6010b	0.27	BL	6/11/2010
Potassium	%	0.16		EPA 6010b	0.000086	BL	6/11/2010
Total Phosphorus	%	3.8		EPA 365.4	0.00048	LA	6/3/2010
Total Nitrogen	%	5.6		Calculation	0.00064	LA	6/3/2010
Total Solids	%	15.4		SM 2540B	0.1	CR	6/5/2010
Zinc	mg/kg	737		EPA 6010b	0.42	BL	6/11/2010

Comments: -All results are on dry basis.
-pH value is an average.
-All Detection Limits are in the same units as the parameters.

Approved By:

A handwritten signature in black ink, appearing to be "Manny Pe".

Manny Pe

Bimonthly Sludge Report



Public Utilities Laboratory

1605 Harbor Dr. Clearwater, Florida
33755

Ph: (727) 462 6664 Fax: (727) 462 3602

FDOH # E54021

Customer Name: Northeast Wastewater
Treatment Plant

Address: 3290 State Road 580
Safety Harbor, Florida

Matrix: Sludge

Sample Number 10070604-008

Order ID:

10070604

Parameters	Units	Result	Qualifier	Method	Detection Limit	Analyst	Analysis Date
pH	ph Units	7.2		Field Measurement		Operator	
Kjeldahl Nitrogen	%	5.1		EPA 351.2	0.00064	LA	8/17/2010
Mercury	mg/kg	1.3		EPA 7471	0.82	BL	8/17/2010
Nitrate+Nitrite-N	%	0.03		EPA 353.2	0.0002	LA	8/9/2010
Selenium	mg/kg	9.6		EPA 6010b	0.03	BL	8/18/2010
Arsenic	mg/kg	18		EPA 6010b	0.32	BL	8/18/2010
Cadmium	mg/kg	1.5		EPA 6010b	0.24	BL	8/18/2010
Chromium	mg/kg	36		EPA 6010b	0.63	BL	8/18/2010
Copper	mg/kg	697		EPA 6010b	0.29	BL	8/18/2010
Lead	mg/kg	20		EPA 6010b	0.27	BL	8/18/2010
Molybdenum	mg/kg	20		EPA 6010b	0.13	BL	8/18/2010
Nickel	mg/kg	16		EPA 6010b	0.27	BL	8/18/2010
Potassium	%	0.13		EPA 6010b	0.000086	BL	8/18/2010
Total Phosphorus	%	4.0		EPA 365.4	0.00048	LA	8/17/2010
Total Nitrogen	%	5.13		Calculation	0.00064	LA	8/17/2010
Total Solids	%	15.9		SM 2540B	0.1	LA	8/9/2010
Zinc	mg/kg	720		EPA 6010b	0.42	BL	8/18/2010

Comments: -All results are on dry basis.
-pH value is an average.
-All Detection Limits are in the same units as the parameters.

Approved By:

A handwritten signature in black ink, appearing to be "Manny Pe".

Manny Pe

Bimonthly Sludge Report



Public Utilities Laboratory

1605 Harbor Dr. Clearwater, Florida
33755

Ph: (727) 462 6664 Fax: (727) 462 3602

FDOH # E54021

Customer Name: Northeast Wastewater
Treatment Plant

Address: 3290 State Road 580
Safety Harbor, Florida

Matrix: Sludge

Sample Number 10090787-008

Order ID:

10090787

Parameters	Units	Result	Qualifier	Method	Detection Limit	Analyst	Analysis Date
pH	ph Units	7.3		Field Measurement		Operator	
Kjeldahl Nitrogen	%	3.7		EPA 351.2	0.00064	LA	9/30/2010
Mercury	mg/kg	1.5		EPA 7471	0.82	BL	10/4/2010
Nitrate+Nitrite-N	%	0.007		EPA 353.2	0.0002	LA	9/29/2010
Selenium	mg/kg	9.5		EPA 6010b	0.03	BL	10/5/2010
Arsenic	mg/kg	18		EPA 6010b	0.32	BL	10/5/2010
Cadmium	mg/kg	2.6		EPA 6010b	0.24	BL	10/5/2010
Chromium	mg/kg	44		EPA 6010b	0.63	BL	10/5/2010
Copper	mg/kg	848		EPA 6010b	0.29	BL	10/5/2010
Lead	mg/kg	28		EPA 6010b	0.27	BL	10/5/2010
Molybdenum	mg/kg	18		EPA 6010b	0.13	BL	10/5/2010
Nickel	mg/kg	19		EPA 6010b	0.27	BL	10/5/2010
Potassium	%	0.13		EPA 6010b	0.000086	BL	10/5/2010
Total Phosphorus	%	3.4		EPA 365.4	0.00048	LA	9/30/2010
Total Nitrogen	%	3.7		Calculation	0.00064	LA	9/30/2010
Total Solids	%	15.8		SM 2540B	0.1	BL	9/28/2010
Zinc	mg/kg	919		EPA 6010b	0.42	BL	10/5/2010

Comments: -All results are on dry basis.
-pH value is an average.
-All Detection Limits are in the same units as the parameters.

Approved By:

Manny Pe

Bimonthly Sludge Report



Public Utilities Laboratory

1605 Harbor Dr. Clearwater, Florida
33755

Ph: (727) 462 6664 Fax: (727) 462 3602

FDOH # E54021

Customer Name: Northeast Wastewater
Treatment Plant

Address: 3290 State Road 580
Safety Harbor, Florida

Matrix: Sludge

Sample Number 10110102-008

Order ID:

10110102

Parameters	Units	Result	Qualifier	Method	Detection Limit	Analyst	Analysis Date
pH	ph Units	7.5		Field Measurement		Operator	
Kjeldahl Nitrogen	%	5.5		EPA 351.2	0.00064	LA	12/13/2010
Mercury	mg/kg	1.4		EPA 7471	0.82	BL	12/2/2010
Nitrate+Nitrite-N	%	0.001		EPA 353.2	0.0002	LA	12/1/2010
Selenium	mg/kg	8.4	J3	EPA 6010b	0.03	BL	12/2/2010
Arsenic	mg/kg	21	J3	EPA 6010b	0.32	BL	12/2/2010
Cadmium	mg/kg	2.2		EPA 6010b	0.24	BL	12/2/2010
Chromium	mg/kg	46		EPA 6010b	0.63	BL	12/2/2010
Copper	mg/kg	873		EPA 6010b	0.29	BL	12/2/2010
Lead	mg/kg	27		EPA 6010b	0.27	BL	12/2/2010
Molybdenum	mg/kg	22		EPA 6010b	0.13	BL	12/2/2010
Nickel	mg/kg	21		EPA 6010b	0.27	BL	12/2/2010
Potassium	%	0.13		EPA 6010b	0.000086	BL	12/2/2010
Total Phosphorus	%	3.33		EPA 365.4	0.00048	LA	12/13/2010
Total Nitrogen	%	5.54		Calculation	0.00064	LA	12/13/2010
Total Solids	%	15.8		SM 2540B	0.1	BL	11/30/2010
Zinc	mg/kg	935		EPA 6010b	0.42	BL	12/2/2010

Comments: -All results are on dry basis.
-pH value is an average.
-All Detection Limits are in the same units as the parameters.

Approved By:

Manny Pe

Bimonthly Sludge Report



Public Utilities Laboratory

1605 Harbor Dr. Clearwater, Florida
33755

Ph: (727) 462 6664 Fax: (727) 462 3602

FDOH # E54021

Customer Name: Northeast Wastewater
Treatment Plant

Address: 3290 State Road 580
Safety Harbor, Florida

Matrix: Sludge

Sample Number 10010602-008

Order ID:

10010602

Parameters	Units	Result	Qualifier	Method	Detection Limit	Analyst	Analysis Date
pH	ph Units	7.6		Field Measurement		Operator	
Kjeldahl Nitrogen	%	6.2		EPA 351.2	0.00064	LA	2/1/2010
Mercury	mg/kg	1.1		EPA 7471	0.82	BL	2/10/2010
Nitrate+Nitrite-N	%	0.007		EPA 353.2	0.0002	LA	1/29/2010
Selenium	mg/kg	6.6		EPA 6010b	0.03	BL	2/9/2010
Arsenic	mg/kg	14		EPA 6010b	0.32	BL	2/9/2010
Cadmium	mg/kg	1.1		EPA 6010b	0.24	BL	2/9/2010
Chromium	mg/kg	31		EPA 6010b	0.63	BL	2/9/2010
Copper	mg/kg	699		EPA 6010b	0.29	BL	2/9/2010
Lead	mg/kg	14		EPA 6010b	0.27	BL	2/9/2010
Molybdenum	mg/kg	22		EPA 6010b	0.13	BL	2/9/2010
Nickel	mg/kg	14		EPA 6010b	0.27	BL	2/9/2010
Potassium	%	0.18		EPA 6010b	0.000086	BL	2/9/2010
Total Phosphorus	%	3.8		EPA 365.4	0.00048	LA	2/1/2010
Total Nitrogen	%	6.2		Calculation	0.00064	LA	2/1/2010
Total Solids	%	14.4		SM 2540B	0.1	BL	2/2/2010
Zinc	mg/kg	623		EPA 6010b	0.42	BL	2/9/2010

Comments: -All results are on dry basis.
-pH value is an average.
-All Detection Limits are in the same units as the parameters.

Approved By:

Maria de la Cantera

Bimonthly Sludge Report



Public Utilities Laboratory

1605 Harbor Dr. Clearwater, Florida
33755

Ph: (727) 462 6664 Fax: (727) 462 3602

FDOH # E54021

Customer Name: Northeast Wastewater
Treatment Plant

Address: 3290 State Road 580
Safety Harbor, Florida

Matrix: Sludge

Sample Number 10030302-008

Order ID:

10030302

Parameters	Units	Result	Qualifier	Method	Detection Limit	Analyst	Analysis Date
pH	ph Units	7.4		Field Measurement		Operator	
Kjeldahl Nitrogen	%	5.4		EPA 351.2	0.00064	LA	4/1/2010
Mercury	mg/kg	0.91		EPA 7471	0.82	BL	3/31/2010
Nitrate+Nitrite-N	%	0.02		EPA 353.2	0.0002	LA	4/1/2010
Selenium	mg/kg	5.8		EPA 6010b	0.03	BL	3/31/2010
Arsenic	mg/kg	18	J3	EPA 6010b	0.32	BL	3/31/2010
Cadmium	mg/kg	1.5		EPA 6010b	0.24	BL	3/31/2010
Chromium	mg/kg	35		EPA 6010b	0.63	BL	3/31/2010
Copper	mg/kg	681		EPA 6010b	0.29	BL	3/31/2010
Lead	mg/kg	14		EPA 6010b	0.27	BL	3/31/2010
Molybdenum	mg/kg	25	J3	EPA 6010b	0.13	BL	3/31/2010
Nickel	mg/kg	14		EPA 6010b	0.27	BL	3/31/2010
Potassium	%	.23		EPA 6010b	0.000086	BL	3/31/2010
Total Phosphorus	%	3.6		EPA 365.4	0.00048	LA	4/1/2010
Total Nitrogen	%	5.4		Calculation	0.00064	LA	4/1/2010
Total Solids	%	14.3		SM 2540B	0.1	BL	3/31/2010
Zinc	mg/kg	720	J3	EPA 6010b	0.42	BL	3/31/2010

Comments: -All results are on dry basis.
-pH value is an average.
-All Detection Limits are in the same units as the parameters.

Approved By:

A handwritten signature in black ink.

Manny Pe

Bimonthly Sludge Report



Public Utilities Laboratory

1605 Harbor Dr. Clearwater, Florida
33755

Ph: (727) 462 6664 Fax: (727) 462 3602

FDOH # E54021

Customer Name: Northeast Wastewater
Treatment Plant

Address: 3290 State Road 580
Safety Harbor, Florida

Matrix: Sludge

Sample Number 10050402-008

Order ID:

10050402

Parameters	Units	Result	Qualifier	Method	Detection Limit	Analyst	Analysis Date
pH	ph Units	7.7		Field Measurement		Operator	
Kjeldahl Nitrogen	%	5.6		EPA 351.2	0.00064	LA	6/3/2010
Mercury	mg/kg	1.5		EPA 7471	0.82	BL	6/14/2010
Nitrate+Nitrite-N	%	0.006		EPA 353.2	0.0002	LA	6/2/2010
Selenium	mg/kg	7.4	J3	EPA 6010b	0.03	BL	6/11/2010
Arsenic	mg/kg	21	J3	EPA 6010b	0.32	BL	6/11/2010
Cadmium	mg/kg	1.5		EPA 6010b	0.24	BL	6/11/2010
Chromium	mg/kg	40		EPA 6010b	0.63	BL	6/11/2010
Copper	mg/kg	697		EPA 6010b	0.29	BL	6/11/2010
Lead	mg/kg	17	J3	EPA 6010b	0.27	BL	6/11/2010
Molybdenum	mg/kg	19		EPA 6010b	0.13	BL	6/11/2010
Nickel	mg/kg	14		EPA 6010b	0.27	BL	6/11/2010
Potassium	%	0.16		EPA 6010b	0.000086	BL	6/11/2010
Total Phosphorus	%	3.8		EPA 365.4	0.00048	LA	6/3/2010
Total Nitrogen	%	5.6		Calculation	0.00064	LA	6/3/2010
Total Solids	%	15.4		SM 2540B	0.1	CR	6/5/2010
Zinc	mg/kg	737		EPA 6010b	0.42	BL	6/11/2010

Comments: -All results are on dry basis.
-pH value is an average.
-All Detection Limits are in the same units as the parameters.

Approved By:

A handwritten signature in black ink, appearing to be "Manny Pe".

Manny Pe

Bimonthly Sludge Report



Public Utilities Laboratory

1605 Harbor Dr. Clearwater, Florida
33755

Ph: (727) 462 6664 Fax: (727) 462 3602

FDOH # E54021

Customer Name: Northeast Wastewater
Treatment Plant

Address: 3290 State Road 580
Safety Harbor, Florida

Matrix: Sludge

Sample Number 10070604-008

Order ID:

10070604

Parameters	Units	Result	Qualifier	Method	Detection Limit	Analyst	Analysis Date
pH	ph Units	7.2		Field Measurement		Operator	
Kjeldahl Nitrogen	%	5.1		EPA 351.2	0.00064	LA	8/17/2010
Mercury	mg/kg	1.3		EPA 7471	0.82	BL	8/17/2010
Nitrate+Nitrite-N	%	0.03		EPA 353.2	0.0002	LA	8/9/2010
Selenium	mg/kg	9.6		EPA 6010b	0.03	BL	8/18/2010
Arsenic	mg/kg	18		EPA 6010b	0.32	BL	8/18/2010
Cadmium	mg/kg	1.5		EPA 6010b	0.24	BL	8/18/2010
Chromium	mg/kg	36		EPA 6010b	0.63	BL	8/18/2010
Copper	mg/kg	697		EPA 6010b	0.29	BL	8/18/2010
Lead	mg/kg	20		EPA 6010b	0.27	BL	8/18/2010
Molybdenum	mg/kg	20		EPA 6010b	0.13	BL	8/18/2010
Nickel	mg/kg	16		EPA 6010b	0.27	BL	8/18/2010
Potassium	%	0.13		EPA 6010b	0.000086	BL	8/18/2010
Total Phosphorus	%	4.0		EPA 365.4	0.00048	LA	8/17/2010
Total Nitrogen	%	5.13		Calculation	0.00064	LA	8/17/2010
Total Solids	%	15.9		SM 2540B	0.1	LA	8/9/2010
Zinc	mg/kg	720		EPA 6010b	0.42	BL	8/18/2010

Comments: -All results are on dry basis.
-pH value is an average.
-All Detection Limits are in the same units as the parameters.

Approved By:

A handwritten signature in black ink, appearing to be "Manny Pe".

Manny Pe

Bimonthly Sludge Report



Public Utilities Laboratory

1605 Harbor Dr. Clearwater, Florida
33755

Ph: (727) 462 6664 Fax: (727) 462 3602

FDOH # E54021

Customer Name: Northeast Wastewater
Treatment Plant
Address: 3290 State Road 580
Safety Harbor, Florida

Matrix: Sludge
Sample Number 10090787-008

Order ID: 10090787

Parameters	Units	Result	Qualifier	Method	Detection Limit	Analyst	Analysis Date
pH	ph Units	7.3		Field Measurement		Operator	
Kjeldahl Nitrogen	%	3.7		EPA 351.2	0.00064	LA	9/30/2010
Mercury	mg/kg	1.5		EPA 7471	0.82	BL	10/4/2010
Nitrate+Nitrite-N	%	0.007		EPA 353.2	0.0002	LA	9/29/2010
Selenium	mg/kg	9.5		EPA 6010b	0.03	BL	10/5/2010
Arsenic	mg/kg	18		EPA 6010b	0.32	BL	10/5/2010
Cadmium	mg/kg	2.6		EPA 6010b	0.24	BL	10/5/2010
Chromium	mg/kg	44		EPA 6010b	0.63	BL	10/5/2010
Copper	mg/kg	848		EPA 6010b	0.29	BL	10/5/2010
Lead	mg/kg	28		EPA 6010b	0.27	BL	10/5/2010
Molybdenum	mg/kg	18		EPA 6010b	0.13	BL	10/5/2010
Nickel	mg/kg	19		EPA 6010b	0.27	BL	10/5/2010
Potassium	%	0.13		EPA 6010b	0.000086	BL	10/5/2010
Total Phosphorus	%	3.4		EPA 365.4	0.00048	LA	9/30/2010
Total Nitrogen	%	3.7		Calculation	0.00064	LA	9/30/2010
Total Solids	%	15.8		SM 2540B	0.1	BL	9/28/2010
Zinc	mg/kg	919		EPA 6010b	0.42	BL	10/5/2010

Comments: -All results are on dry basis.
-pH value is an average.
-All Detection Limits are in the same units as the parameters.

Approved By:

A handwritten signature in black ink, appearing to be "Manny Pe".

Manny Pe

Bimonthly Sludge Report



Public Utilities Laboratory

1605 Harbor Dr. Clearwater, Florida
33755

Ph: (727) 462 6664 Fax: (727) 462 3602

FDOH # E54021

Customer Name: Northeast Wastewater
Treatment Plant

Address: 3290 State Road 580
Safety Harbor, Florida

Matrix: Sludge

Sample Number 10110102-008

Order ID:

10110102

Parameters	Units	Result	Qualifier	Method	Detection Limit	Analyst	Analysis Date
pH	ph Units	7.5		Field Measurement		Operator	
Kjeldahl Nitrogen	%	5.5		EPA 351.2	0.00064	LA	12/13/2010
Mercury	mg/kg	1.4		EPA 7471	0.82	BL	12/2/2010
Nitrate+Nitrite-N	%	0.001		EPA 353.2	0.0002	LA	12/1/2010
Selenium	mg/kg	8.4	J3	EPA 6010b	0.03	BL	12/2/2010
Arsenic	mg/kg	21	J3	EPA 6010b	0.32	BL	12/2/2010
Cadmium	mg/kg	2.2		EPA 6010b	0.24	BL	12/2/2010
Chromium	mg/kg	46		EPA 6010b	0.63	BL	12/2/2010
Copper	mg/kg	873		EPA 6010b	0.29	BL	12/2/2010
Lead	mg/kg	27		EPA 6010b	0.27	BL	12/2/2010
Molybdenum	mg/kg	22		EPA 6010b	0.13	BL	12/2/2010
Nickel	mg/kg	21		EPA 6010b	0.27	BL	12/2/2010
Potassium	%	0.13		EPA 6010b	0.000086	BL	12/2/2010
Total Phosphorus	%	3.33		EPA 365.4	0.00048	LA	12/13/2010
Total Nitrogen	%	5.54		Calculation	0.00064	LA	12/13/2010
Total Solids	%	15.8		SM 2540B	0.1	BL	11/30/2010
Zinc	mg/kg	935		EPA 6010b	0.42	BL	12/2/2010

Comments: -All results are on dry basis.
-pH value is an average.
-All Detection Limits are in the same units as the parameters.

Approved By:

Manny Pe

CERTIFICATION STATEMENT
City of Clearwater's Northeast AWTP Residuals

"I certify, under penalty of law, that the pathogen requirements in 503.32(b)(2)(ii) and the vector attraction reduction requirements in §503.33(b)(3) have been met. 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 the pathogen requirements and vector attraction reduction requirements if appropriate have been met. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment."

Description of how the Pathogen Requirements were Meet

This requirement was met through anaerobic digestion.

Description of how the Vector Attraction Requirements were Meet

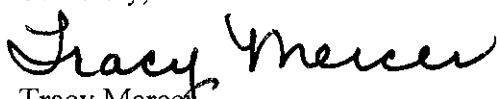
This requirement was met by reducing the volatile solids utilizing anaerobic digestion.

The Northeast AWTP residuals were hauled by H&H LSD, Inc. from January 1, 2010 through December 31, 2010.

H&H Liquid Sludge Disposal, Inc
P.O. Box 390
Branford, FL 32008

Phone (561)274-4840

Sincerely,


Tracy Mercer
Public Utilities Director

Date Feb. 11, 2011