



# Florida Department of Environmental Protection

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

## Residuals Annual Summary

Haymann 711 Ranch

### Part I - Facility Information

FACILITY NAME: **GLADES COUNTY - MOORE**

FACILITY ID:

**FLA016891**

**HAVEN WWTF**

MAILING ADDRESS: P.O. BOX 1018

MONITORING PERIOD -- From: JAN 1,

2010

To: DEC 31,

2010

MOORE HAVEN FL 33471

Total Quantity of Residuals Applied During Reporting Period: 1.7 dry tons

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

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

| Parameter        | Units*     | Ceiling Limits for Class A and B | Concentration | Parameter (continued) | Units* | Ceiling Limits for Class A and B | Concentration |
|------------------|------------|----------------------------------|---------------|-----------------------|--------|----------------------------------|---------------|
| Total Nitrogen   | %          | N/A                              | 0.5           | Copper                | mg/kg  | 4300                             | 935           |
| Total Phosphorus | %          | N/A                              | 0.01          | Lead                  | mg/kg  | 840                              | 5.8           |
| Total Potassium  | %          | N/A                              | 0.35          | Mercury               | mg/kg  | 57                               | 0.04          |
| Total Solids     | %          | N/A                              | 1.1           | Molybdenum            | mg/kg  | 75                               | 6.4           |
| pH               | std. units | N/A                              | 6.7           | Nickel                | mg/kg  | 420                              | 9.5           |
| Arsenic          | mg/kg      | 75                               | 1.7           | Selenium              | mg/kg  | 100                              | 7.1           |
| Cadmium          | mg/kg      | 85                               | 0.8           | Zinc                  | mg/kg  | 7500                             | 664           |

\*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.       |
| <u>Alfonzie Brown</u>                                                         | <u>863 227 0938</u> |
| SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT                  | DATE (YY/MM/DD)     |
| <u>[Signature]</u>                                                            | <u>11/02/09</u>     |

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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):

FLA016891 - Moore Haven WWTF

H H L.S.D., INC.

Site Name (as identified in Agricultural Use Plan):

Hayman 711 Ranch

2010 ANNUAL SUMMARY

Site Address (as shown in Agricultural Use Plan):

P.O. Box 117, Kenansville FL 34739

1/19/2011

| Application Zone ID(s) | Crop(s) | Facility                         | Dry Tons Applied/Ac | N       | P       | K      | As    | Cd    | Cu    | Pb    | Hg    | Mo    | Ni    | Se    | Zn     |
|------------------------|---------|----------------------------------|---------------------|---------|---------|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| D1                     | Bahia   | Cooper City WWTF                 | 0.29                | 30.279  | 12.569  | 1.828  | 0.004 | 0.001 | 0.121 | 0.004 | 0.001 | 0.005 | 0.008 | 0.007 | 0.611  |
|                        |         | Town of Davie WWTF               | 0.27                | 2.123   | 7.432   | 1.009  | 0.006 | 0.001 | 0.187 | 0.022 | 0.001 | 0.004 | 0.009 | 0.008 | 0.405  |
|                        |         | Miami-Dade Central District WWTF | 1.39                | 144.167 | 73.193  | 4.436  | 0.031 | 0.022 | 1.242 | 0.139 | 0.002 | 0.083 | 0.127 | 0.025 | 3.660  |
|                        |         | Sunrise Southwest Facility       | 0.19                | 15.006  | 6.767   | 1.266  | 0.016 | 0.005 | 0.068 | 0.019 | 0.000 | 0.005 | 0.008 | 0.018 | 0.354  |
|                        |         | Ferncrest WWTF                   | 0.09                | 9.896   | 2.522   | 0.472  | 0.002 | 0.001 | 0.026 | 0.007 | 0.001 | 0.001 | 0.004 | 0.003 | 0.158  |
|                        |         | Moore Haven WWTF                 | 0.01                | 0.098   | 0.002   | 0.069  | 0.000 | 0.000 | 0.018 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.013  |
|                        |         | Miramar WWTF                     | 0.20                | 23.808  | 1.574   | 0.202  | 0.000 | 0.000 | 0.026 | 0.001 | 0.000 | 0.001 | 0.001 | 0.000 | 0.048  |
|                        |         | Margate WWTF                     | 0.32                | 25.297  | 8.791   | 0.885  | 0.003 | 0.001 | 0.163 | 0.015 | 0.001 | 0.006 | 0.008 | 0.005 | 0.581  |
|                        |         | C.S.I.D. WWTF                    | 0.38                | 3.797   | 18.756  | 3.645  | 0.002 | 0.001 | 0.114 | 0.005 | 0.000 | 0.005 | 0.006 | 0.005 | 0.406  |
|                        |         | Sunrise Springtree WWTF          | 0.55                | 44.666  | 23.387  | 2.980  | 0.022 | 0.006 | 0.206 | 0.035 | 0.002 | 0.011 | 0.012 | 0.028 | 0.631  |
|                        |         | Sunrise Sawgrass FacilityB       | 0.34                | 29.417  | 18.276  | 2.714  | 0.008 | 0.002 | 0.190 | 0.011 | 0.001 | 0.009 | 0.009 | 0.011 | 0.901  |
| Annual Total           |         |                                  |                     | 328.556 | 173.267 | 19.506 | 0.095 | 0.039 | 2.361 | 0.260 | 0.009 | 0.130 | 0.191 | 0.109 | 7.768  |
| Cumulative Total       |         |                                  |                     |         |         |        | 0.145 | 0.043 | 5.661 | 0.570 | 0.012 | 0.130 | 0.301 | 0.179 | 15.468 |

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(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 Residual Management Company*  
*H&HLS.com*

100 E. Linton Boulevard Suite 208B  
Delray Beach, Florida 33483-3336  
Phone 561/ 274.4840 Fax 561/274.9092

GLADES COUNTY WWTF

MOORE HAVEN UTILITIES  
P.O. BOX 399  
MOORE HAVEN, FL 33471

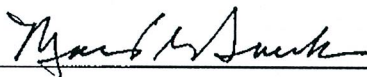
MOORE HAVEN WWTF  
FACILITY ID# FLA016891

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.

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MO Post Office Box 390 \* Branford, Florida 32008  
Tel (386) 935-1284 \* (800) 653-0386 \* Fax (386) 935-0941

Facility: Glades County WWTF  
Moore Haven, FL  
Facility ID: FL4016891

2010 BIOSOLIDS REPORT

01/15/11

2010 Land Application Summary

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

1. Site / Owner: Hayman 711 Ranch - Bill Hayman  
ID/Coordinates: FLA617903 - N27.5111; W80.9833  
Site Location: Hayman 711 Ranch Rd  
Kenansville, FL 34739 - Osceola Co.

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Totals

| Applied<br>(Dry tons) | Applied<br>(Metric tons) | Area Applied<br>(Acres) | Area Applied<br>(Hectares) | Loading<br>(Dry Tons/ac) |
|-----------------------|--------------------------|-------------------------|----------------------------|--------------------------|
| 1.7                   | 1.5                      | 140.0                   | 56.6                       | 0.012                    |
| 1.7                   | 1.5                      | 140.0                   | 56.6                       |                          |