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APR 21 2008

DEP Central Dist.

1501 Omni Way, St. Cloud, FL 34773

April 17, 2008

Mr. F. Thomas Lubozynski, P.E.
Waste Program Administrator
Florida Department of Environmental Protection
Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Re: **Quarterly Reporting: Period January 1 – March 31, 2008**

J.E.D. Solid Waste Management Facility
Osceola County, Florida
Permit Nos. SC-0197726-004 and S049-0199726-005

Dear Mr. Lubozynski:

Omni Waste of Osceola County, LLC (Omni) is submitting this Quarterly Report in compliance with the above listed permits for the J.E.D. Solid Waste Management Facility. Provided is Waste Reporting - Specific Condition No. 53, Precipitation Records – Specific Condition No. 36, and Leachate Quantities – Specific Condition No. 35.

Specific Condition 53 – Waste Reporting

Provided below is the waste types listed in Specific Condition 53 and tonnages received during the reporting period.

Waste Type	Quantity (Tons)
Household Waste	11,233.10
Agricultural Waste	0.00
Commercial Waste	116,565.70
Incinerator By-Pass Waste	10,971.40
Construction & Demolition Debris	53,097.69
Industrial Sludge	0.00
Treated Biomedical Waste	5,150.72
Yard Trash	0.00
Industrial Waste	101,861.80
Ash Residue	0.00
Sewage Sludge	37,194.69
Water/Air Treatment Sludges	0.00
Waste Tires	4.23 tons

COMPLETED MAY 8 2008

TO ROXA

G, WAIS
4/29/08

Specific Condition 36 – Precipitation Records

Attached are records of precipitation recorded by site personnel on a daily basis during permitted operating hours. Precipitation is monitored at a rain gauge located near the Administration Office.

Specific Condition 35 – Leachate Quantities

The following monthly leachate quantities were recorded at the leachate sump systems for Cells 1-5. Please note that Cell 1 sump repairs were ongoing during January due to the fire incident reported in July, 2007. This work included installation of new meters, therefore, no volume of leachate was recorded for the month of January.

Location	Volume (gallons)		
	January - 2008	February – 2008	March - 2008
Cell 1	0	57,514	100,561
Cell 2	61,600	55,200	51,100
Cell 3	58,300	116,900	51,600
Cell 4	93,800	100,100	107,200
Cell 5	31,100	408,200	184,200

If you have any questions or require any additional information, please contact me at (407) 891-3720 or morrr@wsii.us at your earliest convenience.

Sincerely,



Matt Orr
District Manager

Attachments

cc: Mr. Mike Kaiser, WSI
Mr. Shawn McCash, WSI

**J.E.D. Solid Waste Management Facility
Precipitation Records**

Jan-08

Date	Precipitation (inches)
1/1/2008	0
1/2/2008	0
1/3/2008	0
1/4/2008	0
1/5/2008	0
1/6/2008	0
1/7/2008	0
1/8/2008	0
1/9/2008	0
1/10/2008	0
1/11/2008	0
1/12/2008	0
1/13/2008	0
1/14/2008	0
1/15/2008	0
1/16/2008	0
1/17/2008	1.5
1/18/2008	1.5
1/19/2008	1.5
1/20/2008	1.5
1/21/2008	0
1/22/2008	0
1/23/2008	0
1/24/2008	0
1/25/2008	0
1/26/2008	0
1/27/2008	0
1/28/2008	0
1/29/2008	0
1/30/2008	0
1/31/2008	0
Month Total	6

Daily precipitation data recorded by site operations at the gauge located near the Administration Office

**J.E.D. Solid Waste Management Facility
Precipitation Records**

Feb-08

Date	Precipitation (inches)
2/1/2008	0
2/2/2008	0
2/3/2008	0
2/4/2008	0
2/5/2008	0
2/6/2008	0
2/7/2008	0
2/8/2008	0.5
2/9/2008	0
2/10/2008	0
2/11/2008	0
2/12/2008	0
2/13/2008	1.5
2/14/2008	0
2/15/2008	0
2/16/2008	0
2/17/2008	0
2/18/2008	1.5
2/19/2008	0
2/20/2008	0
2/21/2008	0
2/22/2008	0
2/23/2008	1.5
2/24/2008	0
2/25/2008	0
2/26/2008	1.5
2/27/2008	0
2/28/2008	0
2/29/2008	0
Month Total	6.5

Daily precipitation data recorded by site operations at the gauge located near the Administration Office

**J.E.D. Solid Waste Management Facility
Precipitation Records**

Mar-08

Date	Precipitation (inches)
3/1/2008	0
3/2/2008	0
3/3/2008	0
3/4/2008	0
3/5/2008	1.5
3/6/2008	0
3/7/2008	0
3/8/2008	0
3/9/2008	0
3/10/2008	0
3/11/2008	0
3/12/2008	0
3/13/2008	0
3/14/2008	1
3/15/2008	1
3/16/2008	0
3/17/2008	0
3/18/2008	0
3/19/2008	0
3/20/2008	1.5
3/21/2008	0
3/22/2008	1
3/23/2008	0
3/24/2008	0
3/25/2008	0
3/26/2008	0
3/27/2008	0
3/28/2008	1.5
3/29/2008	0
3/30/2008	0
3/31/2008	0
Month Total	7.5

Daily precipitation data recorded by site operations at the gauge located near the Administration Office



Florida Department of Environmental Protection

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

By E-Mail
mkaiser@wasteservicesinc.com

Mr. Mike Kaiser
Waste Services, Inc.
1501 Omni Way
St. Cloud, FL 34773

OCD-SW-08-0133

Osceola County – SW
J.E.D. Solid Waste Management Facility, Class I
Cell 6 – Construction
Permit No. SC49-0199726-008

Dear Mr. Kaiser:

The Department is acknowledging your letter dated March 7, 2008, requesting authorization to submit the Certificate of Construction Completion and Construction Quality Assurance Report for Cell 6 under separate cover. You may submit the documents separately if you desire. There is no need to modify the permit to allow for this.

Regardless of when the documents are sent to the Department, waste may not be deposited in Cell 6 until the following conditions have been met:

1. The Department has sent a letter to the permittee accepting the Certificate of Construction Completion and Construction Quality Assurance Report; and,
2. The Department has approved the cost estimate for closure and long-term care of Cell 6; and,
3. The Department has approved the financial assurance mechanism for the amount ion the approved cost estimate that meets the requirements of Rule 62-701.630, F.A.C.

If you have any questions, please contact me at (407) 893-3328.

Sincerely,

F. Thomas Lubozynski, P.E.
Waste Program Administrator

Date: April 16, 2008

FTL/gc/ew

cc: R. Shawn McCash – Omni Waste of Osceola County, LLC smccash@wasteservicesinc.com
Ayushman Gupta, P.E. – Geosyntec Consultants agupta@geosyntec.com

FO 4-16-08
gdc

Catalog	SOLID WASTE
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Administrative	
Discovery Compliance	
Cleanup	
Enforcement Legal	
Fiscal	
Permitting	X

County	Osceola
Facility ID #	89544
Document Date	
Received Date	
Doc Type	Permit Issued Related
Contractor ID	
Facility Type	Class I (100)
Document Subject	J.E.D.SWMF, Class I, Cell 6- Const. Permit No. SC49- 0199726-008. Response to letter dated 03-07-2008 from J.E.D.

auth. miscell. ?

*approved req. to submit
cell 6 const. doc.
separately*

Janwadkar, Sandeep

From: Janwadkar, Sandeep
Sent: Wednesday, April 09, 2008 10:02 AM
To: 'mkaiser@wsii.us'; 'dcollins@wasteservicesinc.com'
Cc: Lubozynski, Tom; DePradine, Gloria-Jean; Levin, Laxsamee; Cheryan, George; Janwadkar, Sandeep
Subject: Revised Appendix B (DEP File Nos. SC49-0199726-006 and SO49-0199726-007)
Attachments: 199726-6 & 199726-7 J.E.D. SW Mgmt. Fac., Revised Appendix B April 9, 2008.docx

Good Morning Mr. Kaiser,

Per our onsite inspection meeting yesterday, Please find attached herewith revised Appendix B for your use. It includes revisions to Specific Conditions 14 (MPIS Submit Monitoring Reports), 50, and 53. This Appendix B should be made part of your permit record and supersedes all previous versions. Please feel free to call me at 407-893-3328 if you need any additional clarifications.

Best Regards
Sandeep Janwadkar
Engineer
Solid Waste Division
FDEP Central District

APPENDIX B (Revised 4/9/2008)

Submittal requirements in Specific Conditions of the Permit

**Modifications DEP Permit #SC49-0199726-006, #SO49-0199726-007, and #SC49-0199726-008
to Permit Nos. DEP Permit #SC49-0199726-004 and #SO49-0199726-005**

Specific Condition	Requirement	Action	Due date
8	Equipment Breakdown	Notify the Department of equipment breakdown, malfunction, etc.	Immediately upon discovery
14	Monitoring Plan Implementation Schedule (MPIS)	Notify the Department if an exceedance is confirmed, or if the permittee chooses not to resample following an exceedance	Within 14 days of this finding
14	Monitoring Plan Implementation Schedule (MPIS)	Collect and analyze initial samples from groundwater monitoring well clusters MW-16, MW-17, MW-18, MW-19, MW-20, MW-21, MW-22 and MW-23	Before any waste is deposited in Cells 2 and 3
14	Monitoring Plan Implementation Schedule (MPIS)	Collect and analyze samples from the 63 groundwater monitoring wells	Semi-annually (May and November)
14	Monitoring Plan Implementation Schedule (MPIS)	Measure and report ground water levels in all wells, whether sampled or not	Semi-annually unless required more frequently by permit condition
14	Monitoring Plan Implementation Schedule (MPIS)	Measure and report ground water levels in all wells, whether sampled or not	Within a one day period
14	Monitoring Plan Implementation Schedule (MPIS)	Collect and analyze samples from the two (2) surface water monitoring sites	Semi-annually (May and November)
14	Monitoring Plan Implementation Schedule (MPIS)	Measure and report surface water elevations at sampling locations	On the same day as ground water levels in the wells. Semi-annually unless required more frequently by permit condition
14	Monitoring Plan Implementation Schedule (MPIS)	Measure and report surface water levels	Within a one day period
14	Monitoring Plan Implementation Schedule (MPIS)	Collect and analyze samples from leachate sample points L-1, L-2, L-3, L-4, L-5, L-6, L-7, L-8, L-9 and L-10	Annually (November)

APPENDIX B (Revised 4/9/2008)

Submittal requirements in Specific Conditions of the Permit

**Modifications DEP Permit #SC49-0199726-006, #SO49-0199726-007, and #SC49-0199726-008
to Permit Nos. DEP Permit #SC49-0199726-004 and #SO49-0199726-005**

Specific Condition	Requirement	Action	Due date
14	Monitoring Plan Implementation Schedule (MPIS)	Collect and analyze samples from leachate sample points L-1, L-2, L-3, L-4, L-5, L-6, L-7, L-8, L-9 and L-10.	Monthly if the annual analysis indicated that a contaminant exceeds the regulatory level
14	Monitoring Plan Implementation Schedule (MPIS)	Commence installation of new monitoring well clusters MW-16, MW-17, MW-18, MW-19, MW-20, MW-21, MW-22 and MW-23	Within 90 days from the date of permit issuance
14	Monitoring Plan Implementation Schedule (MPIS)	Notify the Department in writing if a monitoring well becomes damaged or inoperable	Within 7 days of discovery
14	Monitoring Plan Implementation Schedule (MPIS)	Submit proposed well construction design for new or replacement monitoring well design or placement	Prior to well installation
14	Monitoring Plan Implementation Schedule (MPIS)	Submit an abandonment plan for abandoning any well that is unsuitable for ground water monitoring	Prior to abandonment
14	Monitoring Plan Implementation Schedule (MPIS)	Notify the Department prior to the installation and/or sampling of any monitoring well(s)	At least fourteen (14) days prior to sampling
14	Monitoring Plan Implementation Schedule (MPIS)	Submit a drawing showing the location of all monitoring wells (active and abandoned), water bodies and waste filled areas	Within thirty (30) days following monitoring well installation
14	Monitoring Plan Implementation Schedule (MPIS)	Measure the total depth on all wells	At time of permit renewal

APPENDIX B (Revised 4/9/2008)

Submittal requirements in Specific Conditions of the Permit

**Modifications DEP Permit #SC49-0199726-006, #SO49-0199726-007, and #SC49-0199726-008
to Permit Nos. DEP Permit #SC49-0199726-004 and #SO49-0199726-005**

Specific Condition	Requirement	Action	Due date
14	Monitoring Plan Implementation Schedule (MPIS)	Submit Monitoring Reports	Within sixty (60) days of completion of analyses from the laboratory
14	Monitoring Plan Implementation Schedule (MPIS)	Submit a ground water elevation contour map for each monitored aquifer zone	Semi-annually
14	Monitoring Plan Implementation Schedule (MPIS)	Submit a Biennial Technical Report	Every two years; the first report is due 30 days after the submittal of the monitoring data for the fourth ground water sampling event; subsequent reports are due 30 days after the submittal of the fourth sampling event following the previous biennial report
15	Construction Quality Assurance (CQA)	Follow the CQA Plan when installing and testing the liner system and related components	During liner construction
16	Liner Installation-Summary Report	Submit a Liner Installation-Summary Report, and include with the Certification in SC-23	Upon completion of liner installation work
19	Liner Installation-Department Notification	Notify the Department	At least 10 days prior to the commencement of liner installation work in any cell
22	Construction Permit Renewal (Permit expires on 01/11/2012)	Notify the Department, in writing, if construction cannot be completed before the expiration of this permit, and apply for renewal of the construction permit	At least 60 days prior to the expiration date of the construction permit (before 11/12/2011)

APPENDIX B (Revised 4/9/2008)

Submittal requirements in Specific Conditions of the Permit

**Modifications DEP Permit #SC49-0199726-006, #SO49-0199726-007, and #SC49-0199726-008
to Permit Nos. DEP Permit #SC49-0199726-004 and #SO49-0199726-005**

Specific Condition	Requirement	Action	Due date
23	Certification	Submit a Certification of Construction Completion certified by the Engineer of Record, then contact the Department to arrange for Department representatives to inspect the facility with the permittee, the engineer, and the proposed on-site facility operator.	After all significant initial construction has been completed, and prior to acceptance of any solid waste
27	Solid Waste Burning	Report to the Department fires at the facility	In accordance with the operation plan.
27	Solid Waste Burning	Submit a letter explaining the cause, remedial action, and measures to prevent recurrence of a fire incident	Within five (5) days of fire incident.
34	Leachate Collection Pipes	Clean the leachate collection pipes	Every five years
34	Leachate Collection Pipes	Clean and video-inspect the leachate collection system	More frequently than once every five years if leachate collection system fails to perform as designed
38	Control of Nuisance Conditions	Prepare and submit a written report on each warranted complaint describing the action to resolve the complaint	Within 10 days of receiving the complaint
38	Control of Nuisance Conditions	Submit an additional report if complaint has not been resolved within 10 days	No later than 10 days from the date of resolution

APPENDIX B (Revised 4/9/2008)

Submittal requirements in Specific Conditions of the Permit

**Modifications DEP Permit #SC49-0199726-006, #SO49-0199726-007, and #SC49-0199726-008
to Permit Nos. DEP Permit #SC49-0199726-004 and #SO49-0199726-005**

Specific Condition	Requirement	Action	Due date
43	Initial Cover and Intermediate Cover	Apply initial cover on the working face	At the end of each working day, unless solid waste will be placed on it within 18 hours
43	Initial Cover and Intermediate Cover	Apply intermediate cover	Within seven (7) days of cell completion if final cover or additional lift is not to be applied within 180 days of cell completion
50	Gas Monitoring	Submit Gas Monitoring Reports	Quarterly (NLT 20 th of January, April, July, and October)
53	Waste Report	Submit a waste report	Quarterly (NLT 20 th of January, April, July, and October)
55	Permit Deviations	Notify the Department of any substantial changes or revisions to the operation	Prior to executing any substantial changes or revisions to the operation
56	Operation Permit Renewal (Permit expires on 01/11/2012)	Submit an operation permit renewal application	At least 60 days prior to the expiration date of this permit (before 11/12/2011)
57	Closure Permit Requirements	Submit a closure permit application	At least 90 days prior to the date when wastes will no longer be accepted at the landfill
59	Financial Assurance, Phase 1 and Phase 2, Cell 5	Update the financial assurance mechanism	At least 60 days prior to accepting waste in Phase 2, Cell 5
60	Modification #SC49 - 0199726-008: Phased Financial Assurance Cell 6	Submit a minor permit modification request to the Department that includes the Certificate of Construction Completion for Cell 6, a financial assurance cost estimate, and the financial mechanism for Cell 6 acceptable to the Department.	Before solid waste is placed in Cell 6 for disposal

APPENDIX B (Revised 4/9/2008)

Submittal requirements in Specific Conditions of the Permit

**Modifications DEP Permit #SC49-0199726-006, #SO49-0199726-007, and #SC49-0199726-008
to Permit Nos. DEP Permit #SC49-0199726-004 and #SO49-0199726-005**

Specific Condition	Requirement	Action	Due date
61	Financial Responsibility	Submit proof that the financial mechanisms are established and funded	Sixty (60) days prior to the acceptance of any solid waste at the facility
62	Annual Cost Estimates and Financial Instrument Adjustments	Adjust the closure and long-term care cost estimates, and the financial assurance mechanism	Submit between January 1 and March 1 of each year; if using an escrow account submit between July 1 and September 1 of each year
66	Modification #SC49-0199726-008 <u>Phased Financial Assurance for Cells 7-10</u>	Apply for and receive a minor permit modification authorizing the disposal actions. The modification must include the Certificate of Construction Completion for the particular cell(s), updated closure and long-term care cost estimates, and financial assurance that meet the requirements of Rule 62-701.630, F.A.C.	Before solid waste disposal can proceed in any other portion of the permitted disposal area (Cells 7-10)
A through K	Construction Permit Renewal (Permit expires on 01/11/2012)	Notify the Department, in writing, if construction cannot be completed before the expiration of this permit, and apply for renewal of the construction permit	At least 60 days prior to the expiration date of the construction permit (before 11/12/2011)
C, D, E, F	Certification	Submit a Certification of Construction Completion certified by the Engineer of Record, then contact the Department to arrange for Department representatives to inspect the facility with the permittee, the engineer, and the proposed on-site facility operator.	After all significant initial construction has been completed, and prior to acceptance of any solid waste

APPENDIX B (Revised 4/9/2008)

Submittal requirements in Specific Conditions of the Permit

**Modifications DEP Permit #SC49-0199726-006, #SO49-0199726-007, and #SC49-0199726-008
to Permit Nos. DEP Permit #SC49-0199726-004 and #SO49-0199726-005**

D, E	Equipment Breakdown	Notify the Department of equipment breakdown, malfunction, etc.	Immediately upon discovery
F	Liner Installation- Department Notification	Notify the Department	At least 10 days prior to the commencement of liner installation work in any cell
G	Liner Installation-Summary Report	Submit a Liner Installation-Summary Report, and include with the Certification in SC-23	Upon completion of liner installation work
K	Technical Specifications	Notify and seek approval of the Department for any substantial changes or revisions to the specifications	Prior to executing any substantial changes or revisions.
L	Construction Quality Assurance (CQA)	Follow the Revised CQA Plan (Appendix K) when installing and testing the liner system and related components	During Phase I through 3 construction



RECEIVED
APR 03 2008
DEP Central Dist.

1501 Omni Way, St. Cloud, FL 34773

March 28, 2008

*Note: In Ocular as
attachment to 4/01/08
e-mail.*

Mr. Jim Bradner, P.E.
Program Administrator, Air Resource Management
Florida Department of Environmental Protection
Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

*DEP Approval e-mail
sent 4/01/08. In Ocular.
[Signature]*

Re: Notification of Leachate Management Activities
J.E.D Solid Waste Management Facility (fka Oak Hammock Disposal Facility)
Omni Waste of Osceola County, LLC
Osceola County, Florida
Facility ID: 0090079
Permit Nos. 0970079-003-AV & 0970079-001-AC

Dear Mr. Bradner:

Per your request during our meeting on March 18, 2008, this correspondence is notification of Omni Waste of Osceola County, LLC's (Omni's) proposed activities at the JED Solid Waste Management Facility (JED facility) regarding leachate management. Since the JED facility began operations in January 2004, Omni has disposed of leachate generated at the facility at the waste water treatment plant (WWTP) owned and operated by the City of St. Cloud (City). As discussed during our meeting, the City has asked Omni to attempt to reduce the odor of the leachate prior to discharge to their WWTP. In response to this request, Omni has met with the City and is exploring treatment options and alternative disposal points (i.e., remote manhole disposal within the City). In working with the City to reduce the odor, Omni plans to aerate the leachate on a trial basis prior to trucking and discharging in their WWTP system. To accomplish trial aeration of the leachate, Omni plans to perform the following activities at the JED facility over the next few weeks upon your approval:

- A 6,500 gallon polyethylene tank has been stationed at the truck fill area at the leachate holding ponds (within the limits of the secondary containment pad - picture attached). A small 1-hp compressor has been piped to the tank and will supply air to aerate the leachate. After the leachate has been aerated to the satisfaction of the City, the batch of aerated leachate will be loaded onto a semi-trailer and hauled to their WWTP for discharge. Omni and the City will monitor aeration of the leachate to determine if the activities aid in reducing odors. It is


*In Ocular
4/7/08*

estimated approximately four batches (total throughput of 26,000 gallons) will be needed to monitor the initial effectiveness of the aeration treatment.

If aeration of the leachate appears to reduce odors to the satisfaction of the City, Omni will pursue further design and permitting with the FDEP Solid Waste and Air Resource Management Divisions of a longer term pilot and/or permanent aeration treatment system at the JED facility.

I look forward to your review and approval of this notification. If you have any questions please contact me at (904) 673-0446 or by e-mail at mkaiser@wsii.us at your earliest convenience.

Sincerely,

A handwritten signature in cursive script that reads "Mike Kaiser".

Mike Kaiser
V.P., Environmental Management and Engineering, US
Waste Services, Inc.

Cc: Mr. Tom Lubozynski, FDEP Solid Waste Group
Mr. Matt Orr, WSI
Mr. Shawn McCash, WSI



Williams, Elizabeth

From: Bradner, James
Sent: Tuesday, April 01, 2008 8:49 AM
To: Michael Kaiser
Cc: Lubozynski, Tom; Shine, Caroline; Parker, Wanda; Jones, Dina S.; Williams, Elizabeth
Subject: RE: JED Landfill Leachate Aeration

Good morning, Mike:

Tom Lubozynski and I reviewed your proposal for the leachate treatment pilot project described in your letter dated March 28, 2008, and found it acceptable. I would like to schedule a site visit to observe the leachate treatment, so please notify me when you are ready to begin. You are also welcome to call or reply to this message if you have questions or need further information.

Thanks,

Jim

James N. Bradner, P.E.
Air Program Administrator
FDEP Central District

From: Michael Kaiser [mailto:mkaiser@wasteservicesinc.com]
Sent: Friday, March 28, 2008 4:29 PM
To: Bradner, James
Cc: Shawn McCash; Matt Orr
Subject: JED Landfill Leachate Aeration

Mr. Bradner:

Please see the attached notification regarding aeration of leachate at the JED Landfill. Please call if you have any questions. I will forward an original copy my mail.

Thanks,

Mike Kaiser

Vice President, Environmental Management & Engineering, U.S.
Waste Services, Inc.
JED Solid Waste Management Facility
1501 Omni Way
St. Cloud, Florida 34773
(904) 673-0446 [Cell]
mkaiser@wsii.us

Williams, Elizabeth

From: Lubozynski, Tom
Sent: Tuesday, March 11, 2008 9:01 AM
To: Lubozynski, Tom; Cheryan, George
Cc: Williams, Elizabeth
Subject: review FW: Omni Comments to Draft Permits - SC49-0199726-006 & SO49-0199726-007 - JED Solid Waste Management Facility
Attachments: Omni Comment to Draft Permit No SC49-0199726-005 - JED SWMF.pdf

George - do you see any problem with this request? If not, make the changes to the draft permit.

Tom

From: Michael Kaiser [mailto:mkaiser@wasteservicesinc.com]
Sent: Friday, March 07, 2008 2:26 PM
To: Lubozynski, Tom
Cc: Cheryan, George; Shawn McCash; Matt Orr; AGupta@Geosyntec.com
Subject: Omni Comments to Draft Permits - SC49-0199726-006 & SO49-0199726-007 - JED Solid Waste Management Facility

Mr. Lubozynski:

Please see the attached comments from Omni Waste of Osceola County, LLC regarding the noted draft permits for the major modification of the JED Solid Waste Management Facility. I will forward an original copy.

Thanks,

Mike Kaiser

Vice President, Environmental Management & Engineering, U.S.
Waste Services, Inc.
JED Solid Waste Management Facility
1501 Omni Way
St. Cloud, Florida 34773
(904) 673-0446 [Cell]
mkaiser@wsii.us

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1501 Omni Way, St. Cloud, FL 34773

March 7, 2008

Mr. Thomas Lubozynski, P.E.
Waste Program Administrator
Florida Department of Environmental Protection
Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Re: Comments to Draft Permit – FDEP File Nos. SC49-0199726-006 & SO49-0199726-007
Permit Modification of Permit Nos. SC49-0199726-004 & SO49-0199726-005
J.E.D Solid Waste Management Facility (fka Oak Hammock Disposal Facility)
Omni Waste of Osceola County, LLC
Osceola County, Florida

Dear Mr. Lubozynski:

Omni Waste of Osceola County, LLC (Omni) has reviewed the above noted draft permits for the JED Solid Waste Management Facility and respectfully requests the Florida Department of Environmental Protection (FDEP) address or note the following comment during issuance of the final permits.

Specific Conditions No. 60 & 66 require Certification of Construction Completion (CCC) and a Construction Quality Assurance Report (CQA Report) be submitted along with a minor permit modification request to update the financial assurance cost estimates for future disposal Cells 6-10. Omni requests authorization to submit the CCC and CQA Report under separate cover (not under application for a minor permit modification). Not only is this consistent with past CCC and CQA Report submittals, we are unsure what effect a minor permit modification has on timing, review, and comment to the CCC and CQA Report. Additionally, by only requiring submittal of detailed financial assurance cost estimates and the financial assurance certificate under a minor permit modification, we can begin this submittal process while cell construction is underway, although we understand both approvals are required prior to initiating disposal activities in a future cell.

I hope you understand our reasoning for this request and can clarify the requirements in the final issued permits. If you have any questions please contact me at (904) 673-0446 or by e-mail at mkaiser@wsii.us at your earliest convenience.

Sincerely,

A handwritten signature in cursive script that reads "Mike Kaiser".

Mike Kaiser
V.P., Environmental Management and Engineering, US
Waste Services, Inc.

Cc: Mr. George Cheryan, FDEP Central District
Mr. Matt Orr, WSI
Mr. Shawn McCash, WSI

Cheryan, George

To: Lubozynski, Tom
Subject: J.E.D. SWMF, ClassI--Vertical Expansion & Design Modif. DEP File Nos. SC49-0199726-006
&SO49-0199726-007

A search of the LCT System for the above referenced permit applications on March 5,2008 ,resulted in the message "Query caused no records to be retrieved," indicating that no petition was filed in response to the published notice in Orlando Sentinel on 02-14-2008.

The permit will be forwarded to you .

Lubozynski, Tom

From: Lubozynski, Tom
Sent: Thursday, February 28, 2008 10:18 AM
To: 'Michael Kaiser'
Cc: Hornbrook, Frank; Cheryan, George; Shawn McCash; DePradine, Gloria-Jean
Subject: RE: 2008 Financial Assurance Update - JED Solid Waste Management Facility

TO: Mike Kaiser

Your e-mail below asked whether an annual inflation adjustment is necessary for the 2008 financial assurance cost estimate. Yes, it is.

The 2007 estimates were inflation adjustments of 2006 estimates. If they had been newly calculated detailed estimates (that is, October through December 2007), a 2008 inflation adjustment would not be necessary.

The following table shows the most recent list cost estimates and their basis:

Date	Closure Estimate	Long-Term Care Estimate	Basis
9/11/2006	\$3,933,365	\$4,192,484	Cells 1-4. Section 6.5 of Renewal Permit Application
9/11/2006	\$785,995	\$1,570,711	Cell 5. Section 6.5 of Permit Renewal Application. Appendix R is a detailed cost estimate for Cells 5-10 as lump sum, but not Cell 5 individually.
4/30/07	\$4,051,365.95	\$4,318,258.31	Inflation adjustment to 11/26/06 estimate; Cells 1-4
9/14/2007	\$5,276,863	\$5,813,566	Section 6.10 of Vertical Expansion Application gives estimate for Cells 1-5. It refers to detailed cost estimate in Appendix L for cells 1-10. The detailed cost estimate is a lump sum estimate; it does not have details for just Cells 1-5.
10/2/2007	\$4,860,941	\$5,936,091	Estimate for Cells 1-4 is an inflation adjustment to 4/30/2007 estimate. Also, added Cell 5 estimate. The Cell 5 estimate was an inflation adjustment to estimate submitted in the Permit Renewal Application in Sept 2006. Did not include vertical expansion in estimate. Approved by FDEP.
11/12/2007	\$5,276,863	\$5,936,091	Revision to Section 6.10 of Vertical Expansion Application; no cost estimate form provided. Approved by FDEP on 12/20/2007.
2/7/2008	\$5,435,168.89	\$6,114,173.73	Inflation adjustment to estimate approved by DEP on 12/20/2007. This estimate is approved.

The Department approves the information cost estimate dated Feb 7, 2008.

Tom Lubozynski

F. Thomas Lubozynski, P.E.
Waste Program Administrator
FDEP Central District
407-893-3328

From: Michael Kaiser [mailto:mkaiser@wasteservicesinc.com]
Sent: Thursday, February 21, 2008 9:32 AM
To: Lubozynski, Tom; DePradine, Gloria-Jean
Cc: Hornbrook, Frank; Cheryan, George; Shawn McCash
Subject: 2008 Financial Assurance Update - JED Solid Waste Management Facility

Mr. Lubozynski,

I recently submitted a 2008 Financial Assurance Update to the FDEP Central District and Tallahassee offices for the JED Solid Waste Management Facility. Mr. Frank Hornbrook brought to my attention a question regarding the need to use the annual inflation adjustment for the 2008 update. He asked that I get your feedback on the following:

We submitted an application for the vertical expansion for the facility last September that included revised cost estimates for closure and long term care that were eventually approved and will be incorporated under the permit modification to be issued. The question asked is whether we need to apply the annual inflation adjustment to these recently approved estimates or wait and apply the inflation factor next year. Can the Central District please advise me on this matter so I can resubmit the annual update by March 1 if needed.

Please call if you have questions.

Thanks,

Mike Kaiser

Vice President, Environmental and Engineering, US



Waste Services, Inc.
3400 Jones Road
Jacksonville, Florida 32220
(904) 673-0446 [Cell]
(904) 695-2567 [Fax]
mkaiser@wsii.us [eMail]

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Lubozynski, Tom

From: Lubozynski, Tom
Sent: Thursday, February 28, 2008 10:38 AM
To: 'Michael Kaiser'
Cc: Hornbrook, Frank; DePradine, Gloria-Jean; Cheryan, George; McGuire, Chris; 'Shawn McCash'
Subject: FW: JED Solid Waste Landfill - Clarification of Facility Ownership
Attachments: FS 608a.doc

TO: Mike Kaiser

In your 1/14/08 e-mail below, you asked whether formal notification needs to be given because the State of organization changed. In his 1/15/08 e-mail below, Frank Hornbrook includes his and a prior opinion of Chris McGuire, OGC. Based on that information, I conclude that you do not need to submit formal notification nor form 62-701.900(8) to the Department.

Sorry I was so slow answering your question.

Tom Lubozynski

F. Thomas Lubozynski, P.E.
Waste Program Administrator
FDEP Central District
407-893-3328

From: Hornbrook, Frank
Sent: Tuesday, January 15, 2008 7:59 AM
To: Lubozynski, Tom
Cc: Cheryan, George
Subject: RE: JED Solid Waste Landfill - Clarification of Facility Ownership

Mr. Lubozynski,

This involves part of the question I have asked Mr. McGuire to consider, we have not received an opinion yet, I'm sure he is currently busy with our rule revisions, at this point I believe this type of issue remains up to the District's as to how they would like to handle it. So I will put forth the information I have gathered in the hope it will help you make your decision.

On the State of Florida Corporate Database it states that Omni Waste of Osceola County LLC (Ohio) has converted to Omni Waste of Osceola County LLC (Florida). It also states that there are changes to the managing members.

Florida Statue **608.439** (see attached) appears to set forth rules in which any business entity may **convert** to an LLC or in this case LLC to LLC.

I believe convert means to change the nature of the entity but I believe the intent is not to consider the LLC as a completely new entity but a continuation of the same entity as a LLC. I ascertain this from the following statements in the Statue referring to the entity once converted:

....the existence of the limited liability company shall be deemed to have commenced when the other entity commenced its existence in the jurisdiction in which the other entity was first organized.

And

(7) Unless otherwise agreed, or as required under applicable non-Florida law, the converting entity shall not be required to wind up its affairs or pay its liabilities and distribute its assets, and the conversion shall not constitute a dissolution of

the converting entity and shall constitute a continuation of the existence of the converting entity in the form of a domestic limited liability company.

Also I note in addition to the conversion some of the managing members (Officers) have changed. Should this require action?

I posed this question to Mr. McGuire in 9/2006, note the question concerned all officers changing, for Omni only a few have changed.

Mr. McGuire,

During my recent visits to the Central and Northeast Districts one area of discussion was the number of changes we have been observing where officers of a permittee have completely changed, some due to a change in control (by sale, merger, etc.) of a facility but others due to just a decided change within the same controlling party of the permittee. In both cases however the permittee name (legal entity as listed on the permit) and facility name have remained the same. I believe there may be some confusion as to when this requires a permit transfer with a \$50.00 fee to be submitted and when it should not be addressed at all. Since I and Tor had submitted a new version of the "Application for Transfer or Notification of Name Change" form, we have discussed this issue and depending on how this might be addressed, we may have possible minor clarifications to update our submission.

Mr. McGuire responds: "I recognize this confusion. In my view, it is necessary for the Department to approve a permit transfer when control of the facility changes, even if the permittee remains the same. This gives us the opportunity to evaluate the new controlling entity and decide whether there is any reason to think that this new controlling entity would be unwilling or unable to comply with the permit conditions. If the permittee does not change its name, and if the financial assurance documentation does not have to change, it may be that the Districts will not need to do anything except put the application and approval letter in the file. If this doesn't exactly sound like a "transfer," I agree, and I intend to modify the form and the rule to reflect this. That is, we might have three parts to the form. The first is used only when the permittee changes its name – this will require no action on our part, it's just so that our files can be updated. The second part would be for a real transfer, when the facility is sold and the name changes – this would require us to approve or deny the transfer. The third part would be for a change of control when the permittee remains the same – this would allow us to review the new controlling entity, but would not require any other action on our part unless we decide to deny the "transfer." end

Finally, as far as financial assurance is concerned, I do not believe any action will be required, since the permittee is using insurance. Our bond forms require the state of incorporation and had they had a bond then we would have needed an update.

Let me know what the District decides.

Frank Hornbrook

From: Lubozynski, Tom
Sent: Monday, January 14, 2008 5:24 PM
To: Cheryan, George; Hornbrook, Frank
Subject: RE: JED Solid Waste Landfill - Clarification of Facility Ownership

George and Frank

Any advice on what I should reply?

Tom

From: Michael Kaiser [mailto:mkaiser@wasteservicesinc.com]
Sent: Monday, January 14, 2008 5:08 PM
To: Lubozynski, Tom
Cc: Cheryan, George; Shawn McCash
Subject: JED Solid Waste Landfill - Clarification of Facility Ownership

Mr. Lubozynski:

I am requesting clarification on the following subject:

Our JED Solid Waste Management Facility is owned and operated by Omni Waste of Osceola County LLC. The Articles of Organization were recently changed from Ohio to Florida. Do we need to make a formal notification to the FDEP for this change? If so, do we use form 62-701.900(8) and check box 3? The ownership name remains the same, just the State of organization.

Thanks for your assistance in this matter,

Mike Kaiser

Vice President, Environmental Management & Engineering, U.S.
Waste Services, Inc.
Jones Road Landfill
3400 Jones Road
Jacksonville, Florida 32220
(904) 673-0446 [Cell]
(904) 781-2407 [Office]
(904) 695-2567 [Fax]
mkaiser@wsii.us

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3400 Jones Road, Jacksonville, FL 32220

February 12, 2008

Mr. Thomas Lubozynski, P.E.
Waste Program Administrator
Florida Department of Environmental Protection
Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

RECEIVED
FEB 15 2008
DEP Central Dist.

Re: Notification of Completion of Repairs – Cell 1 Leachate Sump Manholes
Oak Hammock Disposal Facility (JED Solid Waste Management Facility)
Osceola County, Florida
Permit Nos. SC49-0199726-004 and SO49-0199726-005

Dear Mr. Lubozynski:

Please find enclosed two copies of the CQA Report for Cell 1 Sump Repairs prepared by Globex Engineering and Development. Documented in the report are repairs made to the Cell 1 leachate sump manholes damaged by a lightning strike in July, 2007. The Cell 1 leachate system has been fully repaired and is operating as designed.

If you have any questions please contact me at (904) 673-0446 or by e-mail at mkaiser@wsii.us at your earliest convenience.

Sincerely,

A handwritten signature in cursive script that reads "Mike Kaiser".

Mike Kaiser
V.P., Environmental Management and Engineering, US
Waste Services, Inc.

Cc:
Mr. Matt Orr, WSI
Mr. Shawn McCash, WSI
Mr. Ali Khatami, Globex

IN OCCT 15
COMPLETED MAR 3 2008



Florida Department of Environmental Protection

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

By E-Mail

smccash@wasteservicesinc.com

Mr. R. Shawn McCash
Senior Vice President, Landfill Operations
Omni Waste of Osceola County, LLC
5002 T-Rex Avenue, Suite 200
Boca Raton, FL 33431

OCD-SW-08-0046

Osceola County - SW
J.E.D. Solid Waste Management Facility,
Located at 1501 Omni Way, St. Cloud, FL 34473
Cell 6 - Construction, Minor Modification
Modification of Permit Nos. SC49-0199726-004
& SO49-0199726-005
Issuance of Permit No. SC49-0199726-008

Dear Mr. McCash:

In response to the request submitted on December 5, 2007, by Ayushman Gupta, P.E. of Geosyntec Consultants, Tampa, Florida, Permit Nos. SC49-0199726-004 and SO49-0199726-005 are modified to incorporate for Cell 6 the same design changes as proposed for future Cells 7 through 21. The minor design changes for Cell 6 primarily include modifying a base grade, configuration from "single slope" to "herringbone" pattern, replacing a vertical sump riser with a side slope sump riser, and modifying the double-composite liner system to include a geosynthetic clay liner (GCL) only under the secondary geomembrane.

This minor permit modification authorizes the construction of Cell 6 only. To obtain a permit to operate Cell 6, the Department must approve the Certificate of Construction Completion for Cell 6, a financial assurance cost estimate, and the financial mechanism for Cell 6 acceptable to the Department. These documents shall be submitted to the Department as part of a minor permit modification application. No waste may be disposed in cell 6 until authorized by the Department.

Specific Condition #60 of Permit Nos. SC49-0199726-004 & SO49-0199726-005 is changed to state:

60. Phased Financial Assurance - Cell 6: Before solid waste disposal is authorized in Cell 6, the permittee must apply for and receive a minor permit modification authorizing the disposal actions. The modification must include the Certificate of Construction Completion for Cell 6, updated closure and long-term care cost estimates, and financial assurance that meet the requirements of Rule 62-701.630, F.A.C.

Specific Condition 66 is added:

66. Phased Financial Assurance for Cells 7-10: Before solid waste disposal can proceed in any other portion of the permitted disposal area (Cells 7-10), the permittee must apply for and receive a minor permit modification authorizing the disposal actions. The modification must include the Certificate of Construction Completion for the particular cell(s), updated closure and long-term care cost estimates, and financial assurance that meet the requirements of Rule 62-701.630, F.A.C.

2-11-08

The information submitted on December 5, 2007, on file at the Central District office, is made part of the subject permit. The documents are listed in Attachment A.

All other conditions of the subject permits remain unchanged.

This letter must be attached to Permit Nos. SC49-0199726-004 and SO49-0199726-005 and becomes part of that permit. The new Permit No. is SC49-0199726-008.

Sincerely,



F. Thomas Lubozynski for

Vivian F. Garfein
Director, Central District

Date: February 8, 2008

FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to Section 120.52, F. S., with the designated Department Clerk, receipt of which is hereby acknowledged.



Feb. 8, 2008

Clerk

Date

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT and all copies were sent before the close of business on February 8, 2008 to the listed persons.



Clerk

VFG/gc/ew

Appendix A: List of Documents that are considered part of the Permit

Copies furnished to:

Richard Tedder, P.E. – DEP – Tallahassee

Frank Hornbrook – DEP – Tallahassee

Ayushman Gupta, P.E. – Geosyntec Consultants agupta@geosyntec.com

Appendix A

List of Documents that are considered part of the Permit

1. Minor Modification Application For Cell 6 At the Oak Hammock Disposal Facility, Prepared by Geosyntec Consultants, Tampa, Florida, dated December 4, 2007. Received and stamped December 5, 2007, DEP – Central District.
2. Transmittal to DEP – Central District from Geosyntec Consultants with Revised Drawing Nos. 8R, 9R, 9AR and 10R of 40 dated December 20, 2007. Received and stamped December 21, 2007, DEP – Central District.

Williams, Elizabeth

From: Shawn McCash [SMcCash@wasteservicesinc.com]
Sent: Friday, February 08, 2008 2:21 PM
To: Williams, Elizabeth
Cc: Tedder, Richard; Hornbrook, Frank; agupta@geosyntec.com
Subject: RE: J.E.D. SW Mgmt. Fac. Cell 6 modification 0046

Received. Thank you.

R. Shawn McCash

Sr. Vice President, Landfill Operations & Engineering

WSI

Waste Services, Inc.
5002 T-Rex Avenue, Suite 200
Boca Raton, Florida 33431
(561) 237-3414 [Office]
(561) 237-3491 [Fax]
smccash@wsinc.us [eMail]

From: Williams, Elizabeth [mailto:Elizabeth.Williams@dep.state.fl.us]
Sent: Friday, February 08, 2008 2:20 PM
To: Shawn McCash
Cc: Tedder, Richard; Hornbrook, Frank; agupta@geosyntec.com
Subject: J.E.D. SW Mgmt. Fac. Cell 6 modification 0046

Attached is an Adobe Acrobat version of the "J.E.D. SW Mgmt. Fac. " from the Central District of the Florida Department of Environmental Protection.

This email is an alternative to a hard copy being sent by the United States Postal Service. You will need Adobe Acrobat to view the attachment. A free viewer is available at <http://www.adobe.com>

Please acknowledge receipt of this document by email within 3 days at elizabeth.williams@dep.state.fl.us

If you would still like to receive a hard copy, please email me. Thank you. Solid Waste Section.

Elizabeth Williams
elizabeth.williams@dep.state.fl.us
Administrative Secretary - Waste Management
Dept. of Environmental Protection
3319 Maguire Blvd., Ste. 232
Orlando, FL 32803

FO 2-11-08
EJW

OAK HAMMOCK

Catalog	SOLID WASTE
---------	-------------

Administrative	
Discovery Compliance	
Cleanup	
Enforcement Legal	
Fiscal	
Permitting	X

County	Osceola
Facility ID #	89544
Document Date	
Received Date	
Doc Type	Permit Issued
Contractor ID	
Facility Type	100
Document Subject	

IO 3/27/07
Eve

Williams, Elizabeth

From: Hornbrook, Frank
To: Williams, Elizabeth
Sent: Thursday, March 22, 2007 1:46 PM
Subject: Read: Oak Hammock Landfill permit 0018

Your message

To: 'smccash@wasteservices.com'
Cc: Tedder, Richard; Wick, Fred; Hornbrook, Frank; Kozlov, Leonard; 'agupta@geosyntec.com'; 'mhalleen@foth.com'
Subject: Oak Hammock Landfill permit 0018
Sent: 3/22/2007 1:44 PM

was read on 3/22/2007 1:45 PM.

To 3/23/07
EBW**Williams, Elizabeth**

From: Bradner, James
Sent: Thursday, March 22, 2007 2:08 PM
To: Williams, Elizabeth
Subject: FW: OHDF Permit - Rec'd

James N. Bradner, P.E.
Manager, Solid and Hazardous Waste Program
Central District
Department of Environmental Protection
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767
Phone: 407-893-3329
Fax: 407-893-3167
SunCom: 325-3329
Central District Switchboard: 407-894-7555
Email: James.Bradner@floridadep.net
Web Site: www.dep.state.fl.us

From: AGupta@Geosyntec.com [mailto:AGupta@Geosyntec.com]
Sent: Thursday, March 22, 2007 2:10 PM
To: Bradner, James
Subject: OHDF Permit - Rec'd

Hi Jim,

We received the final solid waste permit for Oak Hammock Disposal Facility. Thanks for all your help.

Ayushman Gupta, P.E.
Senior Engineer

14055 Riveredge Drive
Suite 300
Tampa, FL - 33637
Phone: 813-558-0990 x 235
Fax: 813-558-9726
www.Geosyntec.com

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3/22/2007



Florida Department of Environmental Protection

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

IO 3/23/07
Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary - Designee

NOTICE OF PERMIT

By E-Mail
smccash@wasteservicesinc.com

In the matter of an
Application for Permit
by:

Mr. Shawn McCash
Omni Waste of Osceola County, LLC
1501 Omni Way
St. Cloud, FL 34473

OCD-SW-07-0118

Osceola County – SW
Oak Hammock Disposal, Phases 2 and 3, Class I
Permit Application Nos. SC49-0199726-004 & SO49-0199726-005

Dear Mr. McCash:

Enclosed are Permit Numbers SC49-0199726-004 & SO49-0199726-005, to construct and operate the Oak Hammock Disposal, Phases 2 and 3, Class I landfill, issued under Section(s) 403.061(14) and 403.707, of the Florida Statutes.

Any party to this order (permit) has the right to seek judicial review of the permit under section 120.68 of the Florida Statutes, by the filing of a Notice of Appeal under rule 9.110 of the Florida Rules of Appellate Procedure, with the Clerk of the Department of Environmental Protection, Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000 and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within thirty days after this notice is filed with the Clerk of the Department.

Executed in Orlando, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

Vivian F. Garfein
Director, Central District
3319 Maguire Boulevard, Suite 232
Orlando, FL 32803
407/894-7555

Date: March 22, 2007

FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to Section 120.52, F. S., with the designated Department Clerk, receipt of which is hereby acknowledged.

E. Williams

March 22, 2007

Clerk

Date

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT and all copies were mailed before the close of business on March 22, 2007 to the listed persons.

E. Williams

Clerk

VFG/gc/ew

Enclosure

Copies furnished to:

Richard Tedder, P.E. – DEP – Tallahassee

Fred Wick – DEP – Tallahassee

Frank Hornbrook – DEP – Tallahassee

L. Kozlov, P.E. – DEP – Air Section

Ayushman Gupta, P.E. – Geosyntec Consultants agupta@geosyntec.com

Mark W. Halleen, P.E. mhalleen@foth.com



Florida Department of Environmental Protection

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

Permittee:
Omni Waste of Osceola County, LLC
1501 Omni Way
St. Cloud, FL 34773

Attention: Mr. Shawn McCash

WACS Facility: 89455
Permit Numbers: SC49-0199726-004 &
SO49-0199726-005
Expiration Date: 01/11/2012
County: Osceola
Section 11, 13, 14, 17 & 18, Township 28 South,
Range 32 East and 33 East
Latitude 28°03'32" North / Longitude 81°05'46" West
Project: Oak Hammock Disposal, Phases 2 & 3, Class I

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 62-4, 62-701, and 62-711. The above named permittee is hereby authorized to perform the work and operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

- To continue waste disposal operations in Oak Hammock Disposal, Phase 1.
- To construct and operate the Oak Hammock Disposal, Phases 2 and 3, Class I landfill. The present service area for the landfill is Osceola County, counties surrounding Osceola County, and counties adjoining the surrounding counties.
- The complete build-out of the facility will include 21 landfill cells with a footprint of approximately 264 acres within a property boundary of approximately 2,179 acres. The anticipated life of the complete facility is 10 to 15 years.
- This permit renewal application is to construct and operate Phase 2, which includes Cells 5, 6, and 7, and Phase 3, which includes Cells 8, 9, and 10. Cells 1 through 4 were constructed at Oak Hammock Disposal as part of Phase I development. Class I waste has been and/or is being currently deposited in Cells 1, 2, and 4. Cell 3 is currently accepting waste.
- Phase 2 includes Cells 5, 6, and 7, and has a footprint of approximately 36 acres. Phase 3 includes Cells 8, 9, and 10, and has a footprint of approximately 34 acres. Other principal features of Phases 2 and 3 include expansion of the existing stormwater management system and relocation of the interim leachate storage facility. The existing leachate storage facility will be relocated to a permanent location adjacent to the administrative area during construction of Cell 8.
- Household waste, commercial waste, construction and demolition debris, and other waste classified as Class I waste may be disposed in the landfill. The waste will be from residential communities and commercial sources.

- The Class I landfill is equipped with a double-composite liner system, which directs any liquid entering the landfill that may have contacted refuse to a leachate collection system (LCS). Collected leachate is pumped from the sumps into the leachate transmission line where it is conveyed to an on-site leachate storage facility, and periodically trucked to the St. Cloud wastewater treatment plant (WWTP) for treatment and disposal.
- A gas management system will be implemented to control odors and migration of methane.
- The facility has a Title V air permit #0970079-003-AV.
- The project incorporates a ground water and surface water monitoring plan.

LOCATION: The landfill is located approximately 6.5 miles south of Holopaw, on the west side of U. S. Highway 441, in eastern Osceola County, Florida.

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, Florida Statutes (F.S.). The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup and auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:
 - (a) Have access to and copy any records that must be kept under conditions of this permit;
 - (b) Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
 - (c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.
8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
 - (a) A description of and cause of noncompliance; and
 - (b) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Section 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.
11. This permit is transferable only upon Department approval in accordance with Rule 62-4.120 and 62-730.300, Florida Administrative Code (F.A.C.), as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.
12. This permit or a copy thereof shall be kept at the work site of the permitted activity.
13. The permittee shall comply with the following:
 - (a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
 - (b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring information) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
 - (c) Records of monitoring information shall include:
 1. the date, exact place, and time of sampling or measurements;
 2. the person responsible for performing the sampling or measurements;
 3. the dates analyses were performed;
 4. the person responsible for performing the analyses;
 5. the analytical techniques or methods used;
 6. the results of such analyses.
14. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

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Expiration Date: 01/11/2012

Attention: Mr. Shawn McCash

SPECIFIC CONDITIONS:

Note that time-sensitive specific conditions are summarized in Appendix B of this permit.

1. Plans and Specifications: Drawings, plans, documents and specifications submitted by the permittee, not attached hereto, but on file at the Central District office, are made a part of this permit. The documents are listed in Appendix A.
2. Inspection Requirements: A copy of the permit, with a complete copy of the permit application and engineering drawings, shall be kept on file at the landfill for inspection and review upon request.
3. Other Permits: This permit does not relieve the permittee from complying with any other appropriate stormwater, ERP, Title V/NSPS, or other permit requirements.
4. Signs: Signs indicating the name of the operating authority, traffic flow, hours of operation, charges for disposal and the types of wastes accepted shall be placed at all entrances to the site, Rule 62-701.500(11)(g), F.A.C.
5. Site Access: Access to the site shall be restricted by an effective barrier designed to prevent unauthorized entry and dumping, Rule 62-701.500(5), F.A.C.
6. Litter, Dust & Fire Protection: The landfill shall have litter control devices, dust controls, fire protection and fire-fighting facilities, Rule 62-701.500(11)(d), (e) and (f), F.A.C. Litter must be collected and litter control devices must be cleaned. All collected litter must be placed in the active cell for disposal.
7. Safety Devices: Safety devices shall be provided on equipment to shield and protect the operators from potential hazards during operation.
8. Equipment Breakdown: In the event of equipment malfunction, destruction, breakdown or other problems resulting in the permittee being temporarily unable to comply with any of the conditions of this permit, the permittee shall immediately notify the Department. The notification shall address the cause of the problem, corrective action, and what steps are being taken to prevent recurrence, as required by Rule 62-4.130, F.A.C.
9. Effluent Discharge: There shall be no discharge of liquid effluents or contaminated runoff to surface or ground water without prior approval from the Department.
10. Surface Water Management: All surface water runoff from the developed portions of the site shall be collected and treated to meet the requirements of Chapters 373 and 403, Florida Statutes (F.S.) prior to discharge off-site. The surface water management system shall prevent surface water flow into waste filled areas.
11. Stormwater - Leachate Contamination: Stormwater that comes into contact with leachate shall be treated as leachate. Any leachate emanating from the landfill shall be collected and treated as necessary to meet the requirements of Chapters 62-302, 62-4 and 62-520, F.A.C., prior to discharge off-site, unless the leachate is transmitted to a permitted treatment facility.
12. Stormwater Management System Maintenance: The stormwater management system shall be maintained and visually inspected regularly, and shall be cleaned and maintained as necessary to allow for treatment and conveyance of stormwater according to the permitted engineering design.

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13. Zone of Discharge: The zone of discharge for the facility shall be a three dimensional volume, defined in the vertical plane as extending from the top of the ground to the bottom of the screen of the deep surficial monitoring wells, and defined in the horizontal plane as extending 100 feet from the footprint of the waste disposal area or to the property boundary, whichever is less. Class G-II water quality standards must be met at the boundary of the zone of discharge in accordance with Rule 62-522.410, F.A.C.
14. Monitoring Plan Implementation Schedule: The Monitoring Plan Implementation Schedule (MPIS) attached as Exhibit I is made a part of this permit. All new wells shall be in place and sampled prior to placement of waste in the newly constructed cells. All new and existing wells shall be sampled semiannually, as required in the MPIS.
15. Construction Quality Assurance: The Construction Quality Assurance (CQA) Plan submitted with the permit application shall be followed for installing and testing the liner system and related components. The CQA engineer or the engineer's designee shall be on-site at all times during construction of the liner systems to monitor the construction activities including the preparation of the subgrade, placement of the GCL, primary and secondary liners, and the placement of the soil drainage layer over the primary liner to ensure the underlying geosynthetics are not damaged during construction.
16. Liner Installation-Summary Report: A professional engineer, licensed in Florida, shall supervise and evaluate the liner installation quality assurance/quality control program to ensure that the liner meets design specifications. Upon completion, the engineer shall submit a summary report to the Department, documenting complete conformity to the approved plans and specifications. This summary report shall include a documented control program of the liner installation, liner inspections, and the quality assurance/quality control testing procedures and laboratory analyses. This report shall be included with the certification required in Specific Condition 23 of this permit.
17. Subgrade Preparation: Prior to the liner installation, the subgrade shall be prepared to provide a firm, unyielding foundation. If necessary, the base shall be brought up to grade by placement and compaction of fill material. The fill material and subgrade shall not contain rocks, roots, debris, shells, or other materials that could penetrate the liner material.
18. Liner: The liner system consists of a double-composite liner. The liner system, from top to bottom, consists of: 2 foot thick protective soil layer, primary geocomposite drainage layer, 60-mil thick primary HDPE textured geomembrane, primary geosynthetic clay liner (GCL), secondary geocomposite drainage layer, 60-mil thick secondary HDPE textured geomembrane, secondary GCL, and compacted sub-grade.
19. Liner Installation – Department Notification: Installation of the liner shall be performed by an experienced installer who has installed similar type materials. The permittee shall notify the Department at least 10 days prior to the commencement of liner installation work in any cell.
20. GCL Installation Limitation: The number of geosynthetic clay liner (GCL) panels that may be deployed in any one day shall be limited to the number that can be placed in a dry condition and covered by the HDPE while still dry. No installation or seaming of GCL under wet conditions shall be allowed. The CQA plan requires the owner's inspector to inspect the subgrade each day prior to placing the GCL.

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21. Geomembrane Testing: Non-destructive air pressure tests and/or vacuum test shall be conducted by the installer, under the direction of the CQA engineer or his designee, to test 100 percent of the field seams of the geomembrane. Destructive tests of the geomembrane field seams shall be in accordance with the approved CQA plan and at a frequency of no less than one destructive test sample every 500 linear feet of field seam.
22. Construction Permit Renewal: The construction shall reasonably conform to the plans and supporting documents submitted as part of the application. If construction cannot be completed before the expiration of this permit, the permittee must notify the Department, in writing, at least 60 days prior to the expiration of the construction permit and request a renewal of the construction permit.
23. Certification: After all significant initial construction has been completed, and prior to acceptance of any solid waste, the Engineer of Record shall submit a Certification of Construction Completion, DEP Form 62-701.900(2), then contact the Department to arrange for Department representatives to inspect the facility with the permittee, the engineer, and the proposed on-site facility operator. The certification must be done for each cell individually.
24. Construction Sequencing Plans: The construction sequencing plans (including cells containing waste, cell under construction, owners operation area, and contractor laydown area) for proposed Phases 2 and 3 are presented on sheets 25 and 26 of the Renewal Permit Drawings, respectively (Reference No. 2 – Appendix A).
25. Solid Waste Disposal: Phases 2 and 3 of the landfill shall not receive solid waste until the leachate collection system is in place and functional, and Specific Conditions 14, 16, and 23 are satisfied.
26. Liner Edge Identification: The edge of the liner must be clearly and permanently outlined by permanent monuments or markers, so that solid waste is deposited at least 10 feet inside the edge of the liner. The location of monuments or markers shall be established by a Professional Surveyor and Mapper, licensed in Florida. The monuments or markers shall be of sufficient number to clearly define the liner edge, and shall be visible and easily identifiable to operation personnel and regulatory inspectors.
27. Solid Waste Burning: Burning of solid waste is prohibited except in accordance with Rule 62-701.300(3), F.A.C. Any fires at the landfill must be reported to the Department in accordance with the Operation Plan. Also, within five days, a letter explaining the cause, remedial action, and measures taken to prevent a recurrence must be sent to the Department.
28. Improper Operations: When the Department, after investigation, has good reason (such as complaints, questionable maintenance of equipment, or improper operations) to believe that any applicable standard contained in Chapter 62-701, F.A.C. or in this permit is being violated, it may require the landfill owner or operator of the source to identify the nature of the problem and to submit a report to the Department on the results of the investigation and corrective action taken to prevent its recurrence.
29. Operation of Pollution Control Devices: The leachate and stormwater control systems shall be properly operated, monitored and maintained (Rule 62-701.500, F.A.C.).

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30. Leachate Collection and Removal System: The primary leachate collection and removal system lying above the upper geomembrane shall be designed to limit the leachate head to one foot above the liner during routine landfill operations after placement of initial cover, except in sumps and leachate collection trenches, Rule 62-701.400(3)(c)1, F.A.C.
31. Secondary Leachate Collection System: The secondary leachate collection system must have a minimum hydraulic conductivity of 10 cm/sec and shall be designed to not allow the leachate head on the secondary geomembrane liner to exceed the thickness of the drainage layer, Rule 62-701.400(3)(c)2, F.A.C.
32. Leachate Storage Tanks: The integrity of the leachate storage tanks and containment facilities shall be checked weekly so that no leachate release to the soil will occur. The storage tanks and containment facilities shall be maintained and operated in accordance with Rule 62-701.400(6), F.A.C.
33. Storage Tank, Inspection Records & Documentation of Repairs: The permittee shall keep inspection records and documentation of repairs made to the leachate storage tank at the landfill site for the operational life of the leachate storage tank.
34. Leachate Collection Pipes: The leachate collection pipes shall be cleaned, on average, once every five years. Should there be any indication that collection and removal of leachate from the cell is not occurring as intended, more frequent cleaning and video inspection of the pipelines shall be performed as needed to restore original design conditions. Results of the collection system cleanings or inspections shall be made available to the Department upon request.
35. Leachate Quantity: Quantities of leachate collected by the leachate collection and removal system must be recorded in gallons per day from the leachate force main flow meter. Operators shall record daily flow amounts and data shall be included with the operating record, Rule 62-701.500(8)(f), F.A.C.
36. Precipitation Records: A recording rain gauge shall be operated and maintained to record precipitation at the landfill. Precipitation records shall be maintained and used by the permittee to compare with leachate generation rates, Rule 62-701.500(8)(g), F.A.C.
37. Hazardous Wastes: Any incidental hazardous wastes received in connection with operation of this facility must be disposed of in accordance with Rule 62-730, F.A.C.
38. Control of Nuisance Conditions: The permittee shall be responsible for the control of odors and fugitive particulates arising from this operation. Such controls shall prevent the creation of nuisance conditions that may arise from adverse odors and fugitive particulates and their effect on adjacent or nearby properties and users. The permittee shall immediately investigate any complaints received from the general public and, where warranted, take corrective action taken to abate the adverse odor or nuisance condition. The permittee will prepare a written report on each complaint describing the action taken to resolve the complaint, and submit the report to the Department within 10 days of receiving the complaint. If the complaint has not been resolved by that time, the permittee must prepare and submit an additional report no later than 10 days from the date of resolution.

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39. Operation Plan: An operation plan that meets the requirements of Rule 62-701.500(2), F.A.C. shall be kept at the landfill. All landfill operators and spotters shall be trained and knowledgeable about the plan.
40. Initial Waste Placement: The first layer of waste placed above the liner and leachate collection system shall be a minimum of four feet in compacted thickness and consist of selected wastes containing no large rigid objects that may damage the liner or leachate collection system.
41. Initial Cover Stockpile: An adequate supply of acceptable initial cover, as specified in the operation plan, shall be maintained at the landfill and be available at all times. All stockpiles shall be graded to minimize erosion potential. Silt fences or diversion berms shall be utilized around the stockpiles to control erosion.
42. Waste Compaction & Working Face: Except for the placement of the initial layer of waste, all solid waste shall be spread in layers of approximately two (2) feet in thickness and compacted to approximately one (1) foot in thickness, or as thin a layer as practical, before the next layer is applied, Rule 62-701.500(7)(a), F.A.C. All compacted solid waste shall be formed into cells with the working face and the side grades above land surface at a slope no greater than three feet horizontal to one foot vertical rise, Rule 62-701.500(7)(c), F.A.C. The working face shall be only large enough to efficiently accommodate vehicles discharging waste and to minimize the exposed area and the use of unnecessary cover material, Rule 62-701.500(7)(d), F.A.C.
43. Initial Cover and Intermediate Cover: Initial cover shall be applied at the end of each working day, except the working face may be covered with temporary cover if solid waste will be placed on it within 18 hours. If additional waste is to be deposited on the working face within 18 hours, the initial cover may consist of a temporary cover, such as tarpaulin, that may be removed prior to the placement of additional waste. An intermediate cover of one (1) foot of compacted earth in addition to the six (6) inch initial cover shall be applied within seven (7) days of cell completion if final cover or an additional lift is not to be applied within 180 days of cell completion. All or part of the intermediate cover may be removed prior to placing additional waste or installing final cover, Rule 62-701.500(7)(f), F.A.C.
44. Final Cover - Top: In descending order, the final cover system on the top (5 percent) slopes of the landfill shall consist of: 0.5-ft. thick vegetative layer, 1.5-ft. thick cap protective soil layer, 40-mil thick smooth polyethylene (PE) geomembrane, and 1-ft. thick (minimum) intermediate cover layer over the compacted waste.
45. Final Cover - Side Slopes: The final cover system on the 4H:1V side slopes of the landfill from top to bottom shall consist of: 0.5-ft. thick vegetative layer, 1.5-ft. thick protective layer, a geocomposite drainage layer, a 40-mil thick textured PE geomembrane, and a 1-ft. thick (minimum) intermediate cover layer over the compacted waste.
46. Erosion Minimization: Erosion of the final cover system shall be minimized by final cover swales. The swales shall intercept sheet flow from the final cover system. The final cover swales shall direct the collected surface-water runoff to downchutes and the perimeter swale. A vegetative cover placed on the final cover slopes of the landfill will minimize erosion and reduce loss from the final cover system. The final cover system shall be periodically inspected and erosion damage or vegetative stress shall be repaired before significant erosion develops.

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47. Side Slopes: The side slopes shall not be steeper than 4 horizontal to 1 vertical and, when the final cover is installed, shall be sodded to minimize erosion.
48. Final Cover Surface Gradient: The top gradient of the final cover surface will have a gradient of 5 percent and shall take into consideration the effects of expected subsidence caused by settling and decomposition of the fill material to minimize ponding and erosion.
49. Routine Maintenance: Cracks or eroded sections in the surface of any filled and covered area shall be properly repaired, and a regular maintenance program shall be followed to eliminate pockets or depressions that may develop as refuse settles. The slopes and drainage structures shall be inspected at least monthly and after major storm events for evidence of settling, erosion, washout or siltation.
50. Gas Monitoring: The permittee shall implement a gas management system to comply with Rule 62-701.530, F.A.C. Monitoring for methane gas at the property boundary and within structures on the property shall be performed quarterly to determine the effectiveness of the gas migration controls. The gas monitoring results shall be reported as percent of the lower explosive limit (LEL), calibrated to methane, and shall be submitted to the Department within 30 days of receipt of data. If the gas monitoring results show that combustible gas concentrations exceed 25% of the LEL noted above, the permittee shall implement a Gas Remediation Plan as required in Rule 62-701.530(3)(a), F.A.C.
51. Landfill Elevation: The final (maximum) elevation of the Oak Hammock Disposal, Class I landfill, shall not exceed 178 feet NGVD.
52. Operation Training Compliance: The Oak Hammock Disposal, Class I landfill shall comply with Rule 62-701.320(15), F.A.C. - Operator training.
53. Waste Report: A waste report shall be submitted to the Department quarterly, Rule 62-701.500(4)(b), F.A.C. Waste reports shall include the quantity of each of the following:
 - Household waste
 - Agricultural waste
 - Commercial waste
 - Incinerator by-pass waste
 - Construction and demolition debris
 - Industrial sludge
 - Treated biomedical waste
 - Yard Trash
 - Industrial waste
 - Ash residue
 - Sewage sludge
 - Water/air treatment sludges
 - Waste tires

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All submittals in response to this specific condition shall be submitted to: Solid Waste Section, Department of Environmental Protection, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, with a copy to: Department of Environmental Protection, Central District, Solid Waste Section, 3319 Maguire Boulevard, Suite 232, Orlando, Florida 32803-3767. The reports shall be submitted no later than the 20th of January, April, July and October.

54. Record Keeping: The permittee shall comply with the record keeping requirements for a Class I landfill, Rule 62-701.500(13), F.A.C.
55. Permit Deviations: The Department shall be notified and approval shall be obtained prior to executing any substantial changes or revisions to the construction and operation authorized by this permit.
56. Operation Permit Renewal: An operation permit renewal must be submitted at least 60 days prior to the expiration date of this permit, Rule 62-4.090, F.A.C.
57. Closure Permit Requirements: At least 90 days prior to the date when wastes will no longer be accepted at the landfill, the owner or operator shall submit a closure permit application to the Department, Rule 62-701.600(3), F.A.C.
58. Solid Waste Disposal Rate: The average solid waste disposal rate for this source is 6,000 tons per day as stated in the application. Actual operating rates may vary depending upon business conditions.
59. Financial Assurance, Phase I and Phase 2, Cell 5: This permit authorizes disposal of waste in Phase 1 and Phase 2, Cell 5. The financial assurance mechanism shall be fully funded for all Phase I cells, and updated at least 60 days prior to accepting waste in Phase 2, Cell 5.
60. Phased Financial Assurance – Cell 6: Before solid waste disposal can proceed in any other portion of the disposal area the permittee shall apply for a minor permit modification addressing the expansion area and receive approval from the Department. The modification must include updated closure and long-term care cost estimates and financial assurance that meet the requirements of Rule 62-701.630, F.A.C. The Department will not grant approval of the minor modification until final agency action is completed, construction is certified by the Engineer of Record, and the certification and financial assurance are accepted by the Department.
61. Financial Responsibility: The permittee shall maintain financial assurance in accordance with the requirements of Rule 62-701.630, F.A.C. Proof that the financial mechanisms are established and funded in accordance with Rule 62-701.630, F.A.C. and 40 CFR Part 264 Subpart H as adopted by reference in Rule 62-701.630, F.A.C. shall be submitted to the Department sixty (60) days prior to the acceptance of any solid waste at the facility. All submittals in response to this specific condition shall be sent to: Department of Environmental Protection, Financial Coordinator, Solid Waste Section, Twin Towers Office Building, 2600 Blair Stone Road, MS-4565, Tallahassee, Florida 32399-2400, **with a copy to:** Department of Environmental Protection, Central District, Solid Waste Section, 3319 Maguire Boulevard, Suite 232, Orlando, Florida 32803-3767.

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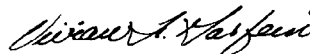
Attention: Mr. Shawn McCash

SPECIFIC CONDITIONS:

62. Annual Cost Estimates and Financial Instrument Adjustments: The permittee shall, in addition to annually adjusting the closure and long-term care cost estimates, adjust the financial assurance mechanism to reflect an increase in cost estimates. Cost estimate adjustments shall be in accordance with Rule 62-701.630(4), F.A.C. Instrument adjustments shall be in accordance with Rule 62-701.630, F.A.C. and 40 CFR Part 264, Subpart H as adopted by reference in Rule 62-701.630, F.A.C. Documentation of financial mechanism increases shall be submitted to: Financial Coordinator, Solid Waste Section, Department of Environmental Protection, Twin Towers Office Building, 2600 Blair Stone Road, MS-4565, Tallahassee, Florida 32399-2400. All estimate update submittals shall be sent to: Department of Environmental Protection, Central District, Solid Waste Section, 3319 Maguire Boulevard, Suite 232, Orlando, Florida 32803-3767.
63. Prevention of Significant Deterioration (PSD) Requirements: The landfill owner or operator is not required to obtain any air construction permit unless landfill construction or any modification is subject to the prevention of significant deterioration (PSD) requirements of Chapter 62-212, F.A.C. A landfill for which construction or modification is subject to PSD requirements must make application to the Bureau of Air Regulation, Mail Station 5505, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, for an air construction permit and must obtain such permit prior to beginning any construction or modification.
64. Title V Permit Requirements: The landfill owner or operator is not required to obtain any air operating permit unless the landfill is required to obtain a Title V air operating permit (Title V permit) pursuant to Section 403.0872, F.S. A landfill is required to obtain a Title V permit if the landfill (or the total facility, if the landfill is contiguous or part of a larger facility) has the potential to emit 10 TPY of any hazardous air pollutant, 25 TPY of any combination of hazardous air pollutants or 100 TPY of any other regulated air pollutant. A landfill is also required to obtain a Title V permit if the maximum design capacity as defined in 40 CFR 60, Subpart WWW, is equal or greater than 2.5 million Megagrams or 2.5 million cubic meters. Title V permits must be applied for in accordance with the timing and content requirements of Rule 62-204.800, F.A.C. and Chapter 62-213, F.A.C. Title V applications shall be submitted to the Central District Air Program Administrator.
65. 40 CFR 60 Requirements: The permittee shall comply with the applicable requirements of 40 CFR 60, Subparts WWW and Cc, as adopted by reference at Rule 62-204.800, F.A.C. The permittee shall submit to the Division of Air Resources Management, Department of Environmental Protection, Mail Station 5500, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400 any amended design capacity report and any Non-Methane Organic Compound (NMOC) emission rate report, as applicable, pursuant to 40 CFR 60.757(a)(3) and (b).

ISSUED: March 22, 2007

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Vivian F. Garfein
Director, Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803

FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to Section 120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.



March 22, 2007

Clerk

Date

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT and all copies were mailed before the close of business on March 22, 2007 to the listed persons.



Clerk

Appendix A

1. Renewal Permit Application To Construct And Operate Phases 2 and 3 Of The Oak Hammock Disposal Facility, Prepared by GeoSyntec Consultants, Tampa, Florida dated September 2006. Received and stamped September 12, 2006, Central District – DEP.
2. Oak Hammock Disposal Facility Phases 2 and 3 Renewal Permit Drawings dated September 2006. Received and stamped September 12, 2006, Central District – DEP.
3. Request For Additional Information from DEP – Central District, dated October 12, 2006.
4. Response to RAI #1 Renewal Permit Application Phases 2 and 3 Oak Hammock Disposal Facility, Prepared by GeoSyntec Consultants, Tampa, Florida dated November 2006. Received and stamped November 21, 2006, Central District – DEP.

APPENDIX B
DEP Permit #SC49-0199726-004
DEP Permit #SC49-0199726-005

Specific Condition	Requirement	Action	Due date
8	Equipment Breakdown	Notify the Department of equipment breakdown, malfunction, etc.	Immediately upon discovery
14	Monitoring Plan Implementation Schedule (MPIS)	Notify the Department if an exceedance is confirmed, or if the permittee chooses not to resample following an exceedance	Within 14 days of this finding
14	Monitoring Plan Implementation Schedule (MPIS)	Collect and analyze initial samples from groundwater monitoring well clusters MW-16, MW-17, MW-18, MW-19, MW-20, MW-21, MW-22 and MW-23	Before any waste is deposited in Cells 2 and 3
14	Monitoring Plan Implementation Schedule (MPIS)	Collect and analyze samples from the 69 groundwater monitoring wells	Semi-annually (May and November)
14	Monitoring Plan Implementation Schedule (MPIS)	Measure and report ground water levels in all wells, whether sampled or not	Semi-annually unless required more frequently by permit condition
14	Monitoring Plan Implementation Schedule (MPIS)	Measure and report ground water levels in all wells, whether sampled or not	Within a one day period
14	Monitoring Plan Implementation Schedule (MPIS)	Collect and analyze samples from the two (2) surface water monitoring sites	Semi-annually (May and November)
14	Monitoring Plan Implementation Schedule (MPIS)	Measure and report surface water elevations at sampling locations	On the same day as ground water levels in the wells. Semi-annually unless required more frequently by permit condition
14	Monitoring Plan Implementation Schedule (MPIS)	Measure and report surface water levels	Within a one day period
14	Monitoring Plan Implementation Schedule (MPIS)	Collect and analyze samples from leachate sample points L-1, L-2, L-3, L-4, L-5, L-6, L-7, L-8, L-9 and L-10	Annually (November)

APPENDIX B
DEP Permit #SC49-0199726-004
DEP Permit #SC49-0199726-005

Specific Condition	Requirement	Action	Due date
14	Monitoring Plan Implementation Schedule (MPIS)	Collect and analyze samples from leachate sample points L-1, L-2, L-3, L-4, L-5, L-6, L-7, L-8, L-9 and L-10.	Monthly if the annual analysis indicated that a contaminant exceeds the regulatory level
14	Monitoring Plan Implementation Schedule (MPIS)	Commence installation of new monitoring well clusters MW-16, MW-17, MW-18, MW-19, MW-20, MW-21, MW-22 and MW-23	Within 90 days from the date of permit issuance
14	Monitoring Plan Implementation Schedule (MPIS)	Notify the Department in writing if a monitoring well becomes damaged or inoperable	Within 7 days of discovery
14	Monitoring Plan Implementation Schedule (MPIS)	Submit proposed well construction design for new or replacement monitoring well design or placement	Prior to well installation
14	Monitoring Plan Implementation Schedule (MPIS)	Submit an abandonment plan for abandoning any well that is unsuitable for ground water monitoring	Prior to abandonment
14	Monitoring Plan Implementation Schedule (MPIS)	Notify the Department prior to the installation and/or sampling of any monitoring well(s)	At least fourteen (14) days prior to sampling
14	Monitoring Plan Implementation Schedule (MPIS)	Submit a drawing showing the location of all monitoring wells (active and abandoned), water bodies and waste filled areas	Within thirty (30) days following monitoring well installation
14	Monitoring Plan Implementation Schedule (MPIS)	Measure the total depth on all wells	At time of permit renewal

APPENDIX B
DEP Permit #SC49-0199726-004
DEP Permit #SC49-0199726-005

Specific Condition	Requirement	Action	Due date
14	Monitoring Plan Implementation Schedule (MPIS)	Submit Monitoring Reports	Within sixty (60) days of receipt of analysis from the laboratory
14	Monitoring Plan Implementation Schedule (MPIS)	Submit a ground water elevation contour map for each monitored aquifer zone	Semi-annually
14	Monitoring Plan Implementation Schedule (MPIS)	Submit a Biennial Technical Report	Every two years; the first report is due 30 days after the submittal of the monitoring data for the fourth ground water sampling event; subsequent reports are due 30 days after the submittal of the fourth sampling event following the previous biennial report
15	Construction Quality Assurance (CQA)	Follow the CQA Plan when installing and testing the liner system and related components	During liner construction
16	Liner Installation-Summary Report	Submit a Liner Installation-Summary Report, and include with the Certification in SC-23	Upon completion of liner installation work
19	Liner Installation-Department Notification	Notify the Department	At least 10 days prior to the commencement of liner installation work in any cell
22	Construction Permit Renewal (Permit expires on 01/11/2012)	Notify the Department, in writing, if construction cannot be completed before the expiration of this permit, and apply for renewal of the construction permit	At least 60 days prior to the expiration date of the construction permit (before 11/12/2011)

APPENDIX B
DEP Permit #SC49-0199726-004
DEP Permit #SC49-0199726-005

Specific Condition	Requirement	Action	Due date
23	Certification	Submit a Certification of Construction Completion certified by the Engineer of Record, then contact the Department to arrange for Department representatives to inspect the facility with the permittee, the engineer, and the proposed on-site facility operator.	After all significant initial construction has been completed, and prior to acceptance of any solid waste
27	Solid Waste Burning	Report to the Department fires at the facility	In accordance with the operation plan.
27	Solid Waste Burning	Submit a letter explaining the cause, remedial action, and measures to prevent recurrence of a fire incident	Within five (5) days of fire incident.
34	Leachate Collection Pipes	Clean the leachate collection pipes	Every five years
34	Leachate Collection Pipes	Clean and video-inspect the leachate collection system	More frequently than once every five years if leachate collection system fails to perform as designed
38	Control of Nuisance Conditions	Prepare and submit a written report on each warranted complaint describing the action to resolve the complaint	Within 10 days of receiving the complaint
38	Control of Nuisance Conditions	Submit an additional report if complaint has not been resolved within 10 days	No later than 10 days from the date of resolution

APPENDIX B
DEP Permit #SC49-0199726-004
DEP Permit #SC49-0199726-005

Specific Condition	Requirement	Action	Due date
43	Initial Cover and Intermediate Cover	Apply initial cover on the working face	At the end of each working day, unless solid waste will be placed on it within 18 hours
43	Initial Cover and Intermediate Cover	Apply intermediate cover	Within seven (7) days of cell completion if final cover or additional lift is not to be applied within 180 days of cell completion
50	Gas Monitoring	Submit Gas Monitoring Reports	Quarterly; within 30 days of receipt of data
53	Waste Report	Submit a waste report	Quarterly
55	Permit Deviations	Notify the Department of any substantial changes or revisions to the operation	Prior to executing any substantial changes or revisions to the operation
56	Operation Permit Renewal (Permit expires on 01/11/2012)	Submit an operation permit renewal application	At least 60 days prior to the expiration date of this permit (before 11/12/2011)
57	Closure Permit Requirements	Submit a closure permit application	At least 90 days prior to the date when wastes will no longer be accepted at the landfill
59	Financial Assurance, Phase 1 and Phase 2, Cell 5	Update the financial assurance mechanism	At least 60 days prior to accepting waste in Phase 2, Cell 5
60	Phased Financial Assurance - Cell 6	Apply for and receive a minor permit modification	Before solid waste is placed in Cell 6 for disposal
61	Financial Responsibility	Submit proof that the financial mechanisms are established and funded	Sixty (60) days prior to the acceptance of any solid waste at the facility

APPENDIX B
DEP Permit #SC49-0199726-004
DEP Permit #SC49-0199726-005

Specific Condition	Requirement	Action	Due date
62	Annual Cost Estimates and Financial Instrument Adjustments	Adjust the closure and long-term care cost estimates, and the financial assurance mechanism	Submit between January 1 and March 1 of each year; if using an escrow account submit between July 1 and September 1 of each year

EXHIBIT I

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

WACS_FACILITY: 89544

MONITORING PLAN IMPLEMENTATION SCHEDULE (REVISED 03/01/07)

GENERAL

1. The permittee must initiate implementation of this Monitoring Plan within ninety (90) days from the date of permit issuance. [62-701.510(1)(b)&(c), 62-522.600(5), *Florida Administrative Code (F.A.C.)*]
2. The field testing, sample collection and preservation and laboratory testing, including quality control procedures, shall be in accordance with Chapter 62-160 Florida Administrative Code (F.A.C.). Approved methods as published by the Department or as published in Standard Methods, ASTM, or EPA Methods shall be used. [62-701.510(2)(b), F.A.C.]
3. The organization collecting samples at this site must use the Field and Laboratory Standard Operating Procedures (DEP-SOP-001/01) in Chapter 62-160, F.A.C. Sampling personnel must have a copy of the SOP for purging and sampling in the field when sampling and must be knowledgeable of its contents, procedures, and forms. The laboratory designated to conduct the chemical analyses must be certified by the Florida Department of Health Environmental Laboratory Certification Program (DoH ELCP). This Certification must be for the test method and analyte(s) that are reported. [62-160.210(1), 62-160.320(1), F.A.C.]

NOTE: DEP-SOP-001/01 can be accessed at: <http://www.dep.state.fl.us/labs/qa/sops.htm>

4. If, at any time, analyses detect parameters which are significantly above background water quality, or which are at levels above the Department's water quality standards or criteria specified in Chapter 62-520, F.A.C., in the detection wells or at the edge of the Zone of Discharge, the Permittee shall resample the wells within thirty (30) days after the sampling data are received, to confirm the data. Should the permittee choose not to resample, the Department will consider the water quality analysis as representative of current ground water conditions at the facility. If the data are confirmed, or if the permittee chooses not to resample, the permittee shall notify the Department in writing within 14 days of this finding. Upon notification by the Department, the permittee shall initiate evaluation monitoring in accordance with Rule 62-701.510(7) F.A.C. [62-701.510(7)(a), F.A.C.]

GROUND WATER QUALITY MONITORING

5. The sixty-three (63) ground water monitoring wells designated for water quality testing are listed on **Attachment A** and are shown on **Attachment B**. The sixty-nine (69) wells and piezometers for water level measurements are listed on **Attachment A** and shown on **Attachment B**. [62-701.510(3)(d)2 & 3, F.A.C.]

NOTE: Unless otherwise approved by the Department, wells with high turbidities must be remediated or reinstalled to reduce the turbidity value to less than 20 NTU prior to sample collection. Should any ground water sample exhibit

dissolved oxygen concentrations greater than 20% of oxygen saturation at the field measured temperature, the sampled well must be repurged then resampled as soon as an acceptable dissolved oxygen value has been attained unless it can be demonstrated that in situ ground water contains higher levels of dissolved oxygen. All water quality analyses will be performed on unfiltered samples unless approved by the Department.

6. Initial samples collected from ground water monitoring well clusters MW-16, MW-17, MW-18, MW-19, MW-20, MW-21, MW-22 and MW-23 shall be collected before any waste is deposited in Cells 2 and 3. The samples shall be analyzed for the list of Initial Ground Water Parameters on **Attachment D**. [62-701.510(6)(b)2, F.A.C.]
7. Semi-annual samples from the sixty-nine (69) ground water monitoring wells shall be collected in May and November. The samples shall be analyzed for the list of Semi-Annual Ground Water Parameters on **Attachment E**. [62-701.510(1)(a)2, 62-701.510(8)(a), F.A.C.]

Please confer with your consultant and analytical laboratory prior to sampling to ensure the analytical method is capable of achieving detection limits at or below the Ground Water Cleanup Target Levels (GCTLs) in Chapter 62-777, F.A.C. GCTLs are used as screening tools and interim guidelines for ground water minimum criteria until standards are promulgated. [62-701.510(6)(b)1 & 2, 62-701.510(6)(d) & (8)(a) & (d), F.A.C.]

8. Ground water levels in all wells, whether sampled or not, and all piezometers must be measured to the nearest 0.01 foot and reported semiannually unless required more frequently by permit condition. All water level measurements must be made within a one-day period. These measurements must be referenced to the National Geodetic Vertical Datum of 1929 (NGVD). [62-701.510(9)(a), F.A.C.]

SURFACE WATER MONITORING

9. The two (2) surface water sites included in this monitoring plan are SW-3 and SW-4. They are listed on **Attachment A** and shown on **Attachment C**. [62-701.510(4)(c), F.A.C.]
10. Semi-annual samples from the two (2) surface water monitoring sites shall be collected in May and November. The samples shall be analyzed for the list of Semi-Annual Surface Water Parameters on **Attachment F**. [62-701.510(6)(e) & (8)(b), F.A.C.]

Please confer with your consultant and analytical laboratory prior to sampling to ensure the analytical method is capable of achieving detection limits at or below the Surface Water Cleanup Target Levels (SCTLs) in Chapter 62-777, F.A.C. SCTLs are used as screening tools and interim guidelines for ground water minimum criteria until standards are promulgated.

11. Surface water elevations at sampling locations and must be measured to the nearest 0.01 foot on the same day as ground water levels in the wells and piezometers and reported semiannually unless required more frequently by permit condition. All water level measurements must be made within a one-day period. These measurements must be referenced to NGVD. [62-701.510(9)(a)8, F.A.C.]

LEACHATE QUALITY MONITORING

12. The sites designated for leachate quality testing are L-1, L-2, L-3, L-4, L-5, L-6, L-7, L-8, L-9 and L-10. The site is listed on **Attachment A** and shown on **Attachment B**. [62-701.510(5), F.A.C.]
13. Samples from the leachate monitoring site shall be collected annually in November. The samples shall be analyzed for the list of Annual Leachate Parameters on **Attachment G**. If the annual analysis indicates that a contaminant listed in 40 CFR Part 261.24 exceeds the regulatory level listed therein, the permittee shall initiate monthly sampling and analysis and shall notify the Department in writing. If in any three consecutive months no listed contaminant is found to exceed the regulatory level, the permittee may discontinue the monthly sampling and analysis and return to a routine sampling schedule. [62-701.510(6)(c)1 & 2, F.A.C.]

MONITORING WELL REQUIREMENTS

14. Installation of new monitoring well clusters MW-16, MW-17, MW-18, MW-19, MW-20, MW-21, MW-22 and MW-23 shall commence within ninety (90) days from the date of permit issuance. [62-701.510(1)(b) & (c), 62-522.600(5), F.A.C.]
15. If a monitoring well or piezometer becomes damaged or inoperable, the Permittee shall notify the Department in writing within seven (7) days. The written report shall describe what problem has occurred and the remedial measures that have been taken to prevent a recurrence. The Department can require the replacement of inoperable monitoring wells or piezometers. [62-4.070(3), F.A.C.]
16. New or replacement monitoring well design or placement must be approved by the Department. Proposed well construction details based on site-specific borings must be submitted with all supporting data (grain size distribution analyses, in-situ hydraulic conductivity testing, depth to water, etc.) for Department approval prior to well installation. Use of hollow stem auger equipment is recommended. Other drilling methods must be approved by the Department prior to well installation. [62-522.600(3), F.A.C.]
17. All wells and piezometers shall be clearly and permanently labeled and the well site maintained so that the well is visible at all times. Protective barriers must be installed at all wells that may be subject to damage by heavy equipment or traffic. [62-701.510(3)(d)2, F.A.C.]

18. An abandonment plan for abandoning any well that is unsuitable for ground water monitoring or for any piezometer must be approved by the Department prior to abandonment. [62-701.510(3)(d)5, F.A.C.]

REPORTING REQUIREMENTS

GENERAL

19. The Department must be notified in writing at least fourteen (14) days prior to the installation and/or sampling of any monitoring well(s). [62-701.510(9)(a), F.A.C.]
20. One paper copy of **Attachment H**, Monitoring Well Completion Report Form, must be submitted to the Department within thirty (30) days after installation of new monitoring well clusters MW-16, MW-17, MW-18, MW-19, MW-20, MW-21, MW-22 and MW-23. **NOTE:** the top of casing elevation of each well, to an accuracy of 0.01 feet, and the latitude and longitude of each well in degrees, minutes and seconds, to two (2) decimal places, with an accuracy of 15 feet, must be determined and certified by a Florida Licensed Surveyor and Mapper and provided on the form. In addition, as built well construction diagrams and soil boring logs that cover the entire depth of the monitoring well(s) must be submitted to the Department. [62-701.510(3)(d)1, 62-532.410, 62-4.070(3), F.A.C.]
21. A drawing must be submitted within thirty (30) days following monitoring well installation showing the location of all monitoring wells (active and abandoned), water bodies and waste filled areas. The location of features on the drawing must be horizontally and vertically located by standard surveying techniques. The drawing shall include all monitoring well locations, each monitoring well name and identification (WACS) number, the top of casing, pad elevation, permanent benchmark(s) and/or corner monument marker(s) referenced to NGVD with an accuracy of 0.01 feet. The latitude and longitude of each well in degrees, minutes and seconds, to two (2) decimal places, with an accuracy of 15 feet, must be determined and provided on the drawing. The survey shall be conducted and certified by a Florida Licensed Surveyor and Mapper [701.510(1)(c), 62-701.510(3)(d) 1, F.A.C.]
22. A total depth measurement must be made on all wells at time of permit renewal. This measurement is to be reported as total apparent depth below ground surface and should be compared to the original total depth of the well. [62-701.510(1)(c), F.A.C.]

INITIAL, ANNUAL AND SEMI-ANNUAL

23. Required monitoring reports must be submitted to the Department within sixty (60) days of receipt of analysis from the laboratory. There are two options for submitting water quality data, paper or electronic. [62-701.730(4)(b), 62-4.070(3), F.A.C.]

Paper Only Reporting: One (1) copy of the monitoring report shall be submitted at the required time. The report shall include documents as listed in Table 1.

Electronic Laboratory Analysis Reporting: One (1) copy of the paper portion of a monitoring report shall be submitted at the required time along with the disc containing the water quality data as listed in Table 1. The data required on the disc is listed on ftp://ftp.dep.state.fl.us/pub/labs/labs/validator/validator_fields.pdf.

To decrease the need for resubmittal you may evaluate data prior to submittal at <http://www.floridadep.org/labs/software/index.htm>.

A sample text file may be viewed at <http://www.floridadep.org/labs/software/docs/sampleddata.txt>

Interpretative documents such as exceedance recommendations and/or contour maps must be certified by a professional licensed in state of Florida whose expertise is related to the document.

Table 1. Reporting Requirements

Documents	Paper report	Electronic Report*
Sampling notification	Paper or electronic	Paper or electronic
Cover letter	Paper	Paper
Summary of exceedences and recommendations	Paper	Paper
Ground water contour maps	Paper	Paper
Survey drawings	Paper	Paper
Lab certification report form (Attachment I)	Paper	Paper
Field data sheets/sampling logs (Attachment J)	Paper	Paper
Chain of custody	Paper	Paper
Water levels –water elevation table	Paper	Paper
Total depth measurements	Paper	Paper
Lab quality control report	Paper	Paper
Lab data sheets	Paper	Not applicable**
DEP parameters report forms	Paper	Not applicable**
Lab data in Excel tab-delimited format compatible with Validator, plus the same spread sheet in pdf form	Not applicable	Electronic

*Electronic Compact disc media readable by a Microsoft Windows computer

**The tab-delimited text file on the disc replaced these documents

24. Water levels in all monitoring wells, whether sampled or not, all piezometers and all surface water sites must be measured to the nearest 0.01 foot and reported semi-annually unless required more frequently by permit condition. All water level measurements must be made within a one-day period. These measurements should be reported in a table that includes well or surface water point name, date water level measured, measuring point elevation referenced to NGVD, depth to water and calculated water level elevation referenced to NGVD. [62-701.510(9)(a)8, F.A.C.]
25. A ground water elevation contour map for each monitored aquifer zone must be submitted semi-annually to the Department. Ground water elevation contour map(s) should include monitoring well and piezometer locations, ground water elevation at each monitoring well or piezometer location referenced to NGVD, a bar scale, ground water contour interval, date of measurement and ground water

flow direction. The map(s) must incorporate adjacent and on-site surface water elevations where appropriate. These maps shall be signed and sealed pursuant to Florida Statutes (F.S.) Chapters 471 and 492 which require that documents requiring the practice of professional engineering or professional geology, as described in Chapter 471 or 492, F.S., be signed and sealed by the professional(s) who prepared or approved them. This certification must be made by a licensed professional who is able to demonstrate competence in this subject area. [62-701.510(9)(a)9, F.A.C.]

BIENNIAL

26. One copy of a technical report shall be submitted to the Department every two years, and shall be updated at the time of permit renewal. The first report is due 30 days after the submittal of the monitoring data for the fourth ground water sampling event. Subsequent reports are due 30 days after the submittal of the fourth sampling event following the previous biennial report. The report shall summarize and interpret the water quality data and water level measurements collected during the past four years. The report shall contain, at a minimum, the following:

- a. Tabular and graphical displays of any data that shows that a monitoring parameter has been detected, including hydrographs for all monitoring wells.
- b. Trend analyses of any monitoring parameters detected.
- c. Comparisons among shallow, middle, and deep zone wells.
- d. Comparison between upgradient and downgradient wells.
- e. Correlation between related parameters such as total dissolved solids and specific conductance.
- f. Discussion of erratic and/or poorly correlated data.
- g. An interpretation of the ground water contour maps, including an evaluation of ground water flow rates.
- h. An evaluation of the adequacy of the water quality monitoring frequency and sampling locations based upon site conditions.

This report must be signed and sealed pursuant to Florida Statutes (F.S.) Chapters 471 and 492 which require that documents requiring the practice of professional engineering or professional geology, as described in Chapter 471 or 492, F.S., be signed and sealed by the professional(s) who prepared or approved them. This certification must be made by a licensed professional who is able to demonstrate competence in the subject area(s) addressed within the sealed document. [62-701.510(9)(b), F.A.C.]

List of Attachments

Attachment A - Well List

Attachment B – Ground Water Monitoring Wells Map

Attachment C – Surface Water Monitoring Map

Attachment D - Initial Ground Water Parameters

Attachment E - Semi-annual Ground Water Parameters

Attachment F - Semi-annual Surface Water Parameters

Attachment G – Annual Leachate Parameters

Attachment H - Monitoring Well Completion Form

Attachment I - Ground Water Monitoring Report Form

Attachment J - Water Sampling Form

ATTACHMENT A
OAK HAMMOCK DISPOSAL, CLASS I LANDFILL
WACS_FACILITY: 89544
MONITORING SITES

MONITORING SITE_NUM	WACS_ WELL	WELL_ TYPE	ZONE/LOCATION MONITORED	GW/SW CLASS	WACS REPORT TYPE
GROUND WATER					
MW-1A	19900	PZ	UPPER SURFICIAL	G-II	WATER ELEV
MW-1B	19901	PZ	INTERMEDIATE SURIFICAL	G-II	WATER ELEV
MW-1C	19902	PZ	DEEP SURFICIAL	G-II	WATER ELEV
MW-2A	19903	BG	UPPER SURFICIAL	G-II	SEMGW
MW-2B	19904	BG	INTERMEDIATE SURIFICAL	G-II	SEMGW
MW-2C	19905	BG	DEEP SURFICIAL	G-II	SEMGW
MW-3A	19906	BG	UPPER SURFICIAL	G-II	SEMGW
MW-3B	19907	BG	INTERMEDIATE SURIFICAL	G-II	SEMGW
MW-3C	19908	BG	DEEP SURFICIAL	G-II	SEMGW
MW-4A	19909	BG	UPPER SURFICIAL	G-II	SEMGW
MW-4B	19910	BG	INTERMEDIATE SURIFICAL	G-II	SEMGW
MW-4C	19911	BG	DEEP SURFICIAL	G-II	SEMGW
MW-5A	19912	BG	UPPER SURFICIAL	G-II	SEMGW
MW-5B	19913	BG	INTERMEDIATE SURIFICAL	G-II	SEMGW
MW-5C	19914	BG	DEEP SURFICIAL	G-II	SEMGW
MW-6A	19915	PZ	UPPER SURFICIAL	G-II	WATER ELEV
MW-6B	19916	PZ	INTERMEDIATE SURIFICAL	G-II	WATER ELEV
MW-6C	19917	PZ	DEEP SURFICIAL	G-II	WATER ELEV
MW-7A	19918	DE	UPPER SURFICIAL	G-II	SEMGW
MW-7B	19919	DE	INTERMEDIATE SURIFICAL	G-II	SEMGW
MW-7C	19920	DE	DEEP SURFICIAL	G-II	SEMGW
MW-8A	19921	DE	UPPER SURFICIAL	G-II	SEMGW
MW-8B	19922	DE	INTERMEDIATE SURIFICAL	G-II	SEMGW
MW-8C	19923	DE	DEEP SURFICIAL	G-II	SEMGW
MW-9A	19924	DE	UPPER SURFICIAL	G-II	SEMGW
MW-9B	19925	DE	INTERMEDIATE SURIFICAL	G-II	SEMGW
MW-9C	19926	DE	DEEP SURFICIAL	G-II	SEMGW
MW-10A	19927	DE	UPPER SURFICIAL	G-II	SEMGW
MW-10B	19928	DE	INTERMEDIATE SURIFICAL	G-II	SEMGW
MW-10C	19929	DE	DEEP SURFICIAL	G-II	SEMGW

ATTACHMENT A
OAK HAMMOCK DISPOSAL, CLASS I LANDFILL
WACS_FACILITY: 89544
MONITORING SITES

MONITORING SITE_NUM	WACS_ WELL	WELL_ TYPE	ZONE/LOCATION MONITORED	GW/SW CLASS	WACS REPORT TYPE
MW-11A	19930	DE	UPPER SURFICIAL	G-II	SEMGW
MW-11B	19931	DE	INTERMEDIATE SURIFICAL	G-II	SEMGW
MW-11C	19932	DE	DEEP SURFICIAL	G-II	SEMGW
MW-12A	19933	DE	UPPER SURFICIAL	G-II	SEMGW
MW-12B	19934	DE	INTERMEDIATE SURIFICAL	G-II	SEMGW
MW-12C	19935	DE	DEEP SURFICIAL	G-II	SEMGW
MW-13A	19936	DE	UPPER SURFICIAL	G-II	SEMGW
MW-13B	19937	DE	INTERMEDIATE SURIFICAL	G-II	SEMGW
MW-13C	19938	DE	DEEP SURFICIAL	G-II	SEMGW
*MW-14A	19939	DE	UPPER SURFICIAL	G-II	SEMGW
*MW-14B	19940	DE	INTERMEDIATE SURIFICAL	G-II	SEMGW
*MW-14C	19941	DE	DEEP SURFICIAL	G-II	SEMGW
*MW-15A	19942	DE	UPPER SURFICIAL	G-II	SEMGW
*MW-15B	19943	DE	INTERMEDIATE SURIFICAL	G-II	SEMGW
*MW-15C	19944	DE	DEEP SURFICIAL	G-II	SEMGW
MW-16A	22342	DE	UPPER SURFICIAL	G-II	INTGW/SEMGW
MW-16B	22343	DE	INTERMEDIATE SURIFICAL	G-II	INTGW/SEMGW
MW-16C	22344	DE	DEEP SURFICIAL	G-II	INTGW/SEMGW
MW-17A	22345	DE	UPPER SURFICIAL	G-II	INTGW/SEMGW
MW-17B	22346	DE	INTERMEDIATE SURIFICAL	G-II	INTGW/SEMGW
MW-17C	22347	DE	DEEP SURFICIAL	G-II	INTGW/SEMGW
MW-18A	22348	DE	UPPER SURFICIAL	G-II	INTGW/SEMGW
MW-18B	22349	DE	INTERMEDIATE SURIFICAL	G-II	INTGW/SEMGW
MW-18C	22350	DE	DEEP SURFICIAL	G-II	INTGW/SEMGW
MW-19A	22351	DE	UPPER SURFICIAL	G-II	INTGW/SEMGW
MW-19B	22352	DE	INTERMEDIATE SURIFICAL	G-II	INTGW/SEMGW
MW-19C	22353	DE	DEEP SURFICIAL	G-II	INTGW/SEMGW
MW-20A	22354	DE	UPPER SURFICIAL	G-II	INTGW/SEMGW
MW-20B	22355	DE	INTERMEDIATE SURIFICAL	G-II	INTGW/SEMGW
MW-20C	22356	DE	DEEP SURFICIAL	G-II	INTGW/SEMGW
MW-21A	22357	DE	UPPER SURFICIAL	G-II	INTGW/SEMGW
MW-21B	22358	DE	INTERMEDIATE SURIFICAL	G-II	INTGW/SEMGW

ATTACHMENT A
OAK HAMMOCK DISPOSAL, CLASS I LANDFILL
WACS_FACILITY: 89544
MONITORING SITES

MONITORING SITE_NUM	WACS_ WELL	WELL_ TYPE	ZONE/LOCATION MONITORED	GW/SW CLASS	WACS REPORT TYPE
<u>MW-21C</u>	<u>22359</u>	<u>DE</u>	<u>DEEP SURFICIAL</u>	<u>G-II</u>	<u>INTGW/SEMGW</u>
<u>MW-22A</u>	<u>22360</u>	<u>BG</u>	<u>UPPER SURFICIAL</u>	<u>G-II</u>	<u>INTGW/SEMGW</u>
<u>MW-22B</u>	<u>22361</u>	<u>BG</u>	<u>INTERMEDIATE SURIFICAL</u>	<u>G-II</u>	<u>INTGW/SEMGW</u>
<u>MW-22C</u>	<u>22362</u>	<u>BG</u>	<u>DEEP SURFICIAL</u>	<u>G-II</u>	<u>INTGW/SEMGW</u>
<u>MW-23A</u>	<u>22363</u>	<u>BG</u>	<u>UPPER SURFICIAL</u>	<u>G-II</u>	<u>INTGW/SEMGW</u>
<u>MW-23B</u>	<u>22364</u>	<u>BG</u>	<u>INTERMEDIATE SURIFICAL</u>	<u>G-II</u>	<u>INTGW/SEMGW</u>
<u>MW-23C</u>	<u>22365</u>	<u>BG</u>	<u>DEEP SURFICIAL</u>	<u>G-II</u>	<u>INTGW/SEMGW</u>

* To be abandoned prior to filling Cells 2 and 3

SURFACE WATER

<u>SW-3</u>	<u>19945</u>	<u>CO</u>	<u>DOWN STREAM ON BULL CREEK</u>	<u>SW-IIIF</u>	<u>SEMSW</u>
<u>SW-4</u>	<u>19946</u>	<u>BG</u>	<u>UP STREAM NW OF SITE</u>	<u>SW-IIIF</u>	<u>SEMSW</u>

LEACHATE

<u>L-1</u>	<u>19947</u>	<u>CO</u>	<u>CELL 1 PRIMARY RISER</u>	<u>LC</u>	<u>ANNLC</u>
<u>L-2</u>	<u>19948</u>	<u>CO</u>	<u>CELL 2 PRIMARY RISER</u>	<u>LC</u>	<u>ANNLC</u>
<u>L-3</u>	<u>19949</u>	<u>CO</u>	<u>CELL 3 PRIMARY RISER</u>	<u>LC</u>	<u>ANNLC</u>
<u>L-4</u>	<u>19950</u>	<u>CO</u>	<u>CELL 4 PRIMARY RISER</u>	<u>LC</u>	<u>ANNLC</u>
<u>L-5</u>	<u>22369</u>	<u>CO</u>	<u>CELL 5 PRIMARY RISER</u>	<u>LC</u>	<u>ANNLC</u>
<u>L-6</u>	<u>22370</u>	<u>CO</u>	<u>CELL 6 PRIMARY RISER</u>	<u>LC</u>	<u>ANNLC</u>
<u>L-7</u>	<u>22371</u>	<u>CO</u>	<u>CELL 7 PRIMARY RISER</u>	<u>LC</u>	<u>ANNLC</u>
<u>L-8</u>	<u>22372</u>	<u>CO</u>	<u>CELL 8 PRIMARY RISER</u>	<u>LC</u>	<u>ANNLC</u>
<u>L-9</u>	<u>33273</u>	<u>CO</u>	<u>CELL 9 PRIMARY RISER</u>	<u>LC</u>	<u>ANNLC</u>
<u>L-10</u>	<u>22374</u>	<u>CO</u>	<u>CELL 10 PRIMARY RISER</u>	<u>LC</u>	<u>ANNLC</u>

Well Type Codes
(DG) Downgradient
(SO) Source

(AS) Assessment
(IM) Intermediate
(UP) Upgradient

(BG) Background
(IW) Irrigation Well
(WS) Water supply

(CO) Compliance
(OT) Other

(DE) Detection
(PZ) Piezometer

ATTACHMENT B

NOTES:

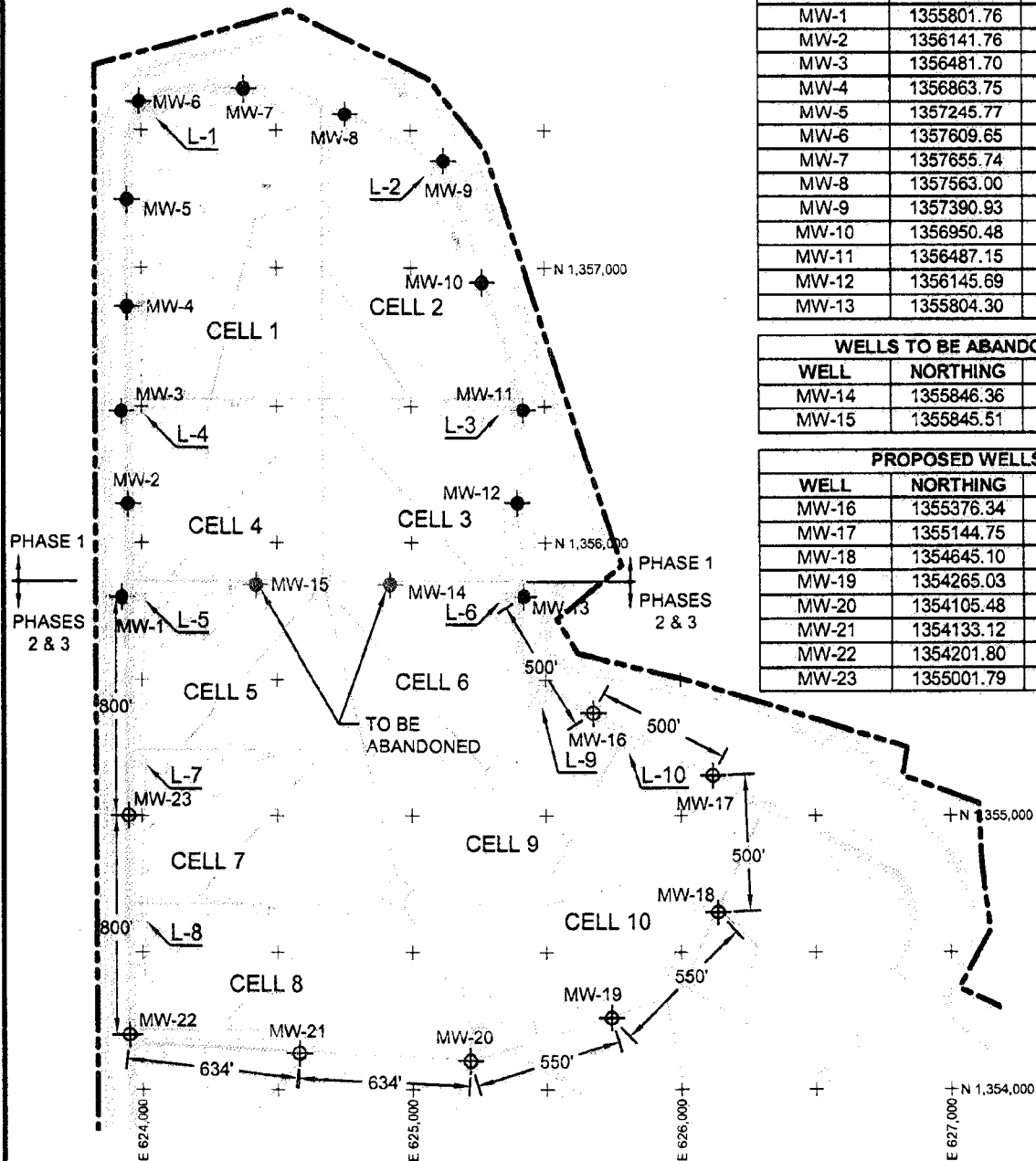
1. NORTHING AND EASTING COORDINATES SHOWN REPRESENT FLORIDA STATE PLANE EAST ZONE NORTH AMERICAN DATUM OF 1983 (NAD83).
2. THE ELEVATIONS SHOWN REPRESENT NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29)(FEET).



NORTH

0 300' 600' 1200'

SCALE: 1" = 600'



EXISTING WELLS		
WELL	NORTHING	EASTING
MW-1	1355801.76	623927.76
MW-2	1356141.76	623949.18
MW-3	1356481.70	623926.60
MW-4	1356863.75	623947.95
MW-5	1357245.77	623947.30
MW-6	1357609.65	623992.77
MW-7	1357655.74	624380.68
MW-8	1357563.00	624757.34
MW-9	1357390.93	625122.57
MW-10	1356950.48	625266.36
MW-11	1356487.15	625418.09
MW-12	1356145.69	625396.67
MW-13	1355804.30	625419.26

WELLS TO BE ABANDONED		
WELL	NORTHING	EASTING
MW-14	1355846.36	624922.02
MW-15	1355845.51	624424.85

PROPOSED WELLS		
WELL	NORTHING	EASTING
MW-16	1355376.34	625677.81
MW-17	1355144.75	626120.94
MW-18	1354645.10	626139.82
MW-19	1354265.03	625742.27
MW-20	1354105.48	625215.92
MW-21	1354133.12	624582.67
MW-22	1354201.80	623952.49
MW-23	1355001.79	623951.12

LEGEND

MW-1 EXISTING GROUNDWATER MONITORING WELL LOCATION

MW-16 PROPOSED GROUNDWATER MONITORING WELL LOCATION

(AT EACH LOCATION A GROUP OF THREE WELLS WILL BE DRILLED TO SHALLOW, INTERMEDIATE, AND DEEP ELEVATIONS. THESE WELLS WILL BE SPACED 5 FEET APART AND ARRANGED PARALLEL TO THE PERIMETER MAINTENANCE ROAD OR INTERCELL BERM ALIGNMENTS.)

L-1 LEACHATE SAMPLE LOCATION

(LEACHATE SAMPLES WILL BE OBTAINED FROM THE PRIMARY LEACHATE SUMP OF EACH WELL)

LAYOUT OF PHASES 1 THROUGH 3 GROUNDWATER MONITORING WELLS AND LEACHATE SAMPLING LOCATIONS



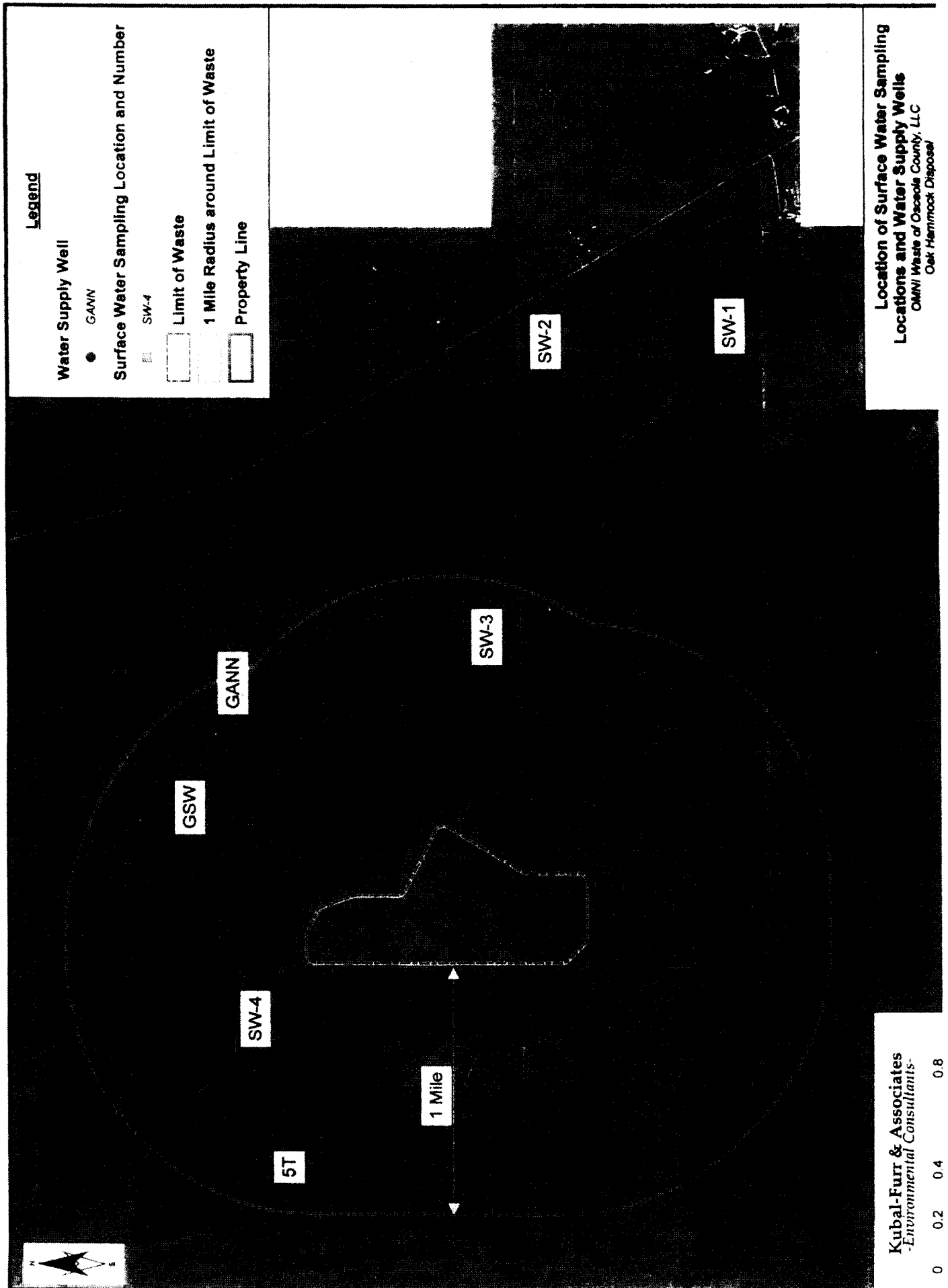
GeoSYNTEC CONSULTANTS

TAMPA, FLORIDA

PROJECT NO. FL0916.02

DATE. 27 SEPT 2006

FILE NO. FL0916.02F002



ATTACHMENT D

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: INTGW

Initial Ground Water Monitoring (Page 1 of 10)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: _____ (AS) Assessment (IW) Irrigation Well

WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (I/N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
082545	Water Elevation (NGVD)							Ft	
000010	Temperature (field)							deg C	
000299	Dissolved Oxygen (field)							Mg/L	
000406	pH (field)							STD	
000094	Spec. Conductance (field)							Umhos/cm	
082078	Turbidity (field)							NTU	
000610	Total Ammonia as N							Mg/L	
000940	Chlorides							Mg/L	
000720	Cyanide							Ug/L	
000620	Nitrate as N							Mg/L	
000745	Sulfide							Ug/L	
070300	Total Dissolved Solids							Mg/L	
	<u>METALS</u>								
001097	Antimony							Ug/L	
001002	Arsenic							Ug/L	
001007	Barium							Ug/L	
001012	Beryllium							Ug/L	
001027	Cadmium							Ug/L	
001034	Chromium							Ug/L	
001037	Cobalt							Ug/L	
001042	Copper							Ug/L	
001045	Iron							Ug/L	
001051	Lead							Ug/L	
071900	Mercury							Ug/L	

ATTACHMENT D

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: INTGW

Initial Ground Water Monitoring (Page 2 of 10)WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: ____ (AS) Assessment (IW) Irrigation Well

WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
001067	Nickel							Ug/L	
001147	Selenium							Ug/L	
001077	Silver							Ug/L	
000929	Sodium							Mg/L	
001059	Thallium							Ug/L	
001102	Tin							Ug/L	
001087	Vanadium							Ug/L	
001092	Zinc							Ug/L	
	<u>ORGANICS</u>								
034205	Acenaphthene							Ug/L	
034200	Acenaphthylene							Ug/L	
081552	Acetone							Ug/L	
076997	Acetonitrile; Methyl cyanide							Ug/L	
081553	Acetophenone							Ug/L	
073501	2-Acetylaminofluorene; 2-AAF							Ug/L	
034210	Acrolein							Ug/L	
034215	Acrylonitrile							Ug/L	
039330	Aldrin							Ug/L	
078109	Allyl chloride							Ug/L	
077581	4-Aminobiphenyl							Ug/L	
034220	Anthracene							Ug/L	
034030	Benzene							Ug/L	
034526	Benzo(a)anthracene							Ug/L	
034230	Benzo(b)fluoranthene							Ug/L	

ATTACHMENT D

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: INTGW

Initial Ground Water Monitoring (Page 3 of 10)WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: ____ (AS) Assessment (IW) Irrigation Well

WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
034242	Benzo(k)fluoranthene							Ug/L	
034247	Benzo(a)pyrene							Ug/L	
034521	Benzo(g,h,i)perylene							Ug/L	
077147	Benzyl alcohol							Ug/L	
039337	alpha-BHC							Ug/L	
039338	beta-BHC							Ug/L	
046323	delta-BHC							Ug/L	
039340	gamma-BHC; Lindane							Ug/L	
034273	Bis(2-chloroethyl)ether							Ug/L	
034278	Bis(2-chloroethoxy)methane							Ug/L	
073522	Bis (2-chloro-1-methylethyl) ether							Ug/L	
039100	Bis(2-ethylhexyl)phthalate							Ug/L	
073085	Bromochloromethane							Ug/L	
032101	Bromodichloromethane							Ug/L	
032104	Bromoform							Ug/L	
034413	Bromomethane							Ug/L	
034636	4-Bromophenyl phenyl ether							Ug/L	
034292	Butyl benzyl phthalate							Ug/L	
077041	Carbon Disulfide							Ug/L	
032102	Carbon Tetrachloride							Ug/L	
039350	Chlordane							Ug/L	
073529	p-Chloroaniline							Ug/L	
034301	Chlorobenzene							Ug/L	
039460	Chlorobenzilate							Ug/L	

ATTACHMENT D

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: INTGW

Initial Ground Water Monitoring (Page 4 of 10)WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: ____ (AS) Assessment (IW) Irrigation Well

WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/N)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
034452	p-chloro-m-cresol							Ug/L	
034311	Chloroethane							Ug/L	
032106	Chloroform							Ug/L	
034418	Chloromethane							Ug/L	
034581	2-Chloronaphthalene							Ug/L	
034586	2-Chlorophenol							Ug/L	
034641	4-Chloropheny phenyl ether							Ug/L	
081520	Chloroprene							Ug/L	
034320	Chrysene							Ug/L	
977148	m&p-Cresol							Ug/L	
077152	o-Cresol							Ug/L	
039730	2,4-D; 2,4-Dichlorophenoxyacetic acid							Ug/L	
039360	4,4-DDD							Ug/L	
039365	4,4-DDE							Ug/L	
039370	4,4-DDT							Ug/L	
073540	Diallate							Ug/L	
034556	Dibenz(a,h)anthracene							Ug/L	
081302	Dibenzofuran							Ug/L	
032105	Dibromochloromethane							Ug/L	
049146	1,2-Dibromo-3-chloropropane							Ug/L	
077651	1,2-Dibromoethane							Ug/L	
039110	Di-n-butylphthalate							Ug/L	
034536	1,2-Dichlorobenzene							Ug/L	

ATTACHMENT D

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: INTGW

Initial Ground Water Monitoring (Page 5 of 10)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: _____ (AS) Assessment (IW) Irrigation Well
WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
034566	1,3-Dichlorobenzene							Ug/L	
034571	1,4-Dichlorobenzene							Ug/L	
034631	3,3-Dichlorobenzidine							Ug/L	
049263	trans-1,4-Dichloro-2-butene							Ug/L	
034668	Dichlorodifluoromethane							Ug/L	
034496	1,1-Dichloroethane							Ug/L	
034531	1,2-Dichloroethane							Ug/L	
034501	1,1-Dichloroethene							Ug/L	
077093	cis-1,2-Dichloroethene							Ug/L	
034546	trans-1,2-Dichloroethene							Ug/L	
034601	2,4-Dichlorophenol							Ug/L	
077541	2,6-Dichlorophenol							Ug/L	
034541	1,2-Dichloropropane							Ug/L	
077173	1,3-Dichloropropane							Ug/L	
077170	2,2-Dichloropropane							Ug/L	
077168	1,1-Dichloropropene							Ug/L	
034704	cis-1,3-Dichloropropene							Ug/L	
034699	trans-1,3-Dichloropropene							Ug/L	
039380	Dieldrin							Ug/L	
034336	Diethyl phthalate							Ug/L	
073553	Thionazin							Ug/L	
046314	Dimethoate							Ug/L	
073558	p-(Dimethylamino)azobenzene							Ug/L	
073559	7,12-Dimethylbenz(a)anthracene							Ug/L	

ATTACHMENT D

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: INTGW

Initial Ground Water Monitoring (Page 6 of 10)WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: ____ (AS) Assessment (IW) Irrigation Well

WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
082213	3,3-Dimethylbenzidine							Ug/L	
034606	2,4-Dimethylphenol							Ug/L	
034341	Dimethyl phthalate							Ug/L	
045622	m-Dinitrobenzene							Ug/L	
034657	2-Methyl-4,6-dinitrophenol							Ug/L	
034616	2,4-Dinitrophenol							Ug/L	
034611	2,4-Dinitrotoluene							Ug/L	
034626	2,6-Dinitrotoluene							Ug/L	
081287	DNBP (Dinoseb)							Ug/L	
034596	Di-n-octyl phthalate							Ug/L	
077579	Diphenylamine							Ug/L	
081888	Disulfoton							Ug/L	
034361	Endosulfan I							Ug/L	
034356	Endosulfan II							Ug/L	
034351	Endosulfan sulfate							Ug/L	
039390	Endrin							Ug/L	
034366	Endrin aldehyde							Ug/L	
034371	Ethylbenzene							Ug/L	
073570	Ethyl methacrylate							Ug/L	
073571	Ethyl methanesulfonate							Ug/L	
038462	Famphur							Ug/L	
034376	Fluoranthene							Ug/L	
034381	Fluorene							Ug/L	
039410	Heptachlor							Ug/L	

ATTACHMENT D

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: INTGW

Initial Ground Water Monitoring (Page 7 of 10)WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: ____ (AS) Assessment (IW) Irrigation Well

WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (Y/N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
039420	Heptachlor epoxide							Ug/L	
039700	Hexachlorobenzene							Ug/L	
034391	Hexachlorobutadiene							Ug/L	
034386	Hexachlorocyclopentadiene							Ug/L	
034396	Hexachloroethane							Ug/L	
073576	Hexachloropropene							Ug/L	
034403	Indeno (1,2,3-c,d) pyrene							Ug/L	
077424	Iodomethane							Ug/L	
077033	Isobutyl alcohol							Ug/L	
039430	Isodrin							Ug/L	
034408	Isophorone							Ug/L	
073582	Isosafrole							Ug/L	
081281	Kepone							Ug/L	
081593	Methacrylonitrile							Ug/L	
073589	Methapyriene							Ug/L	
039480	Methoxychlor							Ug/L	
077103	Methyl butyl ketone							Ug/L	
073591	3-Methylcholanthrene							Ug/L	
081595	Methyl ethyl ketone							Ug/L	
081597	Methyl methacrylate							Ug/L	
073595	Methyl methanesulfonate							Ug/L	
077416	2-Methylnaphthalene							Ug/L	
039600	Methyl Parathion							Ug/L	
077596	Methylene Bromide							Ug/L	

ATTACHMENT D

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: INTGW

Initial Ground Water Monitoring (Page 8 of 10)WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: _____ (AS) Assessment (IW) Irrigation Well

WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
034423	Methylene Chloride							Ug/L	
081596	Methyl isobutyl ketone							Ug/L	
034696	Naphthalene							Ug/L	
073599	1,4-Naphthoquinone							Ug/L	
073600	1-Naphthylamine							Ug/L	
073601	2-Naphthylamine							Ug/L	
078142	o-Nitroaniline							Ug/L	
078300	m-Nitroaniline							Ug/L	
030342	p-Nitroaniline							Ug/L	
034447	Nitrobenzene							Ug/L	
034591	2-Nitrophenol							Ug/L	
034646	4-Nitrophenol							Ug/L	
073609	N-Nitrosodi-n-butylamine							Ug/L	
073611	N-Nitrosodiethylamine							Ug/L	
034438	N-Nitrosodimethylamine							Ug/L	
034428	N-Nitrosodipropylamine							Ug/L	
034433	N-Nitrosodiphenylamine							Ug/L	
073613	N-Nitrosomethylethylamine							Ug/L	
073619	N-Nitrosopiperidine							Ug/L	
078206	N-Nitrosopyrrolidine							Ug/L	
073622	5-Nitro-o-toluidine							Ug/L	
039540	Parathion							Ug/L	
077793	Pentachlorobenzene							Ug/L	
081316	Pentachloronitrobenzene							Ug/L	

ATTACHMENT D

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: INTGW

Initial Ground Water Monitoring (Page 9 of 10)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: _____ (AS) Assessment (IW) Irrigation Well

WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
039032	Pentachlorophenol							Ug/L	
073626	Phenacetin							Ug/L	
034461	Phenanthrene							Ug/L	
034694	Phenol							Ug/L	
073628	p-Phenylenediamine							Ug/L	
046313	Phorate							Ug/L	
039516	Polychlorinated biphenyls							Ug/L	
039080	Pronamide							Ug/L	
077007	Propionitrile							Ug/L	
034469	Pyrene							Ug/L	
077545	Safrole							Ug/L	
039760	Silvex; 2,4,5-TP							Ug/L	
077128	Styrene							Ug/L	
039740	2,4,5-Trichlorophenoxyacetic acid							Ug/L	
077734	1,2,4,5-Tetrachlorobenzene							Ug/L	
077562	1,1,1,2-Tetrachloroethane							Ug/L	
034516	1,1,2,2-Tetrachloroethane							Ug/L	
034475	Tetrachloroethene							Ug/L	
077770	2,3,4,6-Tetrachlorophenol							Ug/L	
034010	Toluene							Ug/L	
077142	o-Toluidine							Ug/L	
039400	Toxaphene							Ug/L	
034551	1,2,4-Trichlorobenzene							Ug/L	
034506	1,1,1-Trichloroethane							Ug/L	

ATTACHMENT D

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: INTGW

Initial Ground Water Monitoring (Page 10 of 10)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: ____ (AS) Assessment (IW) Irrigation Well

WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
034511	1,1,2-Trichloroethane							Ug/L	
039180	Trichloroethene							Ug/L	
034488	Trichlorofluoromethane							Ug/L	
077687	2,4,5-Trichlorophenol							Ug/L	
034621	2,4,6-Trichlorophenol							Ug/L	
077443	1,2,3-Trichloropropane							Ug/L	
073652	0,0,0-Triethyl phosphorothioate							Ug/L	
073653	sym-Trinitrobenzene							Ug/L	
077057	Vinyl Acetate							Ug/L	
039175	Vinyl Chloride							Ug/L	
034020	Xylenes							Ug/L	

ATTACHMENT E

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: SEMGW

Semi-annual Ground Water Monitoring (Page 1 of 4)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: ____ (AS) Assessment (IW) Irrigation Well

WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (Y/N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
082545	Water Elevation (NGVD)							Ft	
000010	Temperature (field)							deg C	
000299	Dissolved Oxygen (field)							Mg/L	
000406	pH (field)							STD	
000094	Spec. Conductance (field)							Umhos/cm	
082078	Turbidity (field)							NTU	
000610	Total Ammonia as N							Mg/L	
000940	Chlorides							Mg/L	
000620	Nitrate as N							Mg/L	
070300	Total Dissolved Solids							Mg/L	
	<u>METALS</u>								
001097	Antimony							Ug/L	
001002	Arsenic							Ug/L	
001007	Barium							Ug/L	
001012	Beryllium							Ug/L	
001027	Cadmium							Ug/L	
001034	Chromium							Ug/L	
001037	Cobalt							Ug/L	
001042	Copper							Ug/L	
001045	Iron							Ug/L	
001051	Lead							Ug/L	
071900	Mercury							Ug/L	
001067	Nickel							Ug/L	
001147	Selenium							Ug/L	

ATTACHMENT E

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: SEMGW

Semi-annual Ground Water Monitoring (Page 2 of 4)WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: ____ (AS) Assessment (IW) Irrigation Well

WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
001077	Silver							Ug/L	
000929	Sodium							Mg/L	
001059	Thallium							Ug/L	
001087	Vanadium							Ug/L	
001092	Zinc							Ug/L	
	ORGANICS								
081552	Acetone							Ug/L	
034215	Acrylonitrile							Ug/L	
034030	Benzene							Ug/L	
073085	Bromochloromethane							Ug/L	
032101	Bromodichloromethane							Ug/L	
032104	Bromoform							Ug/L	
034413	Bromomethane							Ug/L	
077041	Carbon Disulfide							Ug/L	
032102	Carbon Tetrachloride							Ug/L	
034301	Chlorobenzene							Ug/L	
034311	Chloroethane							Ug/L	
032106	Chloroform							Ug/L	
034418	Chloromethane							Ug/L	
032105	Dibromochloromethane							Ug/L	
038437	1,2-Dibromo-3-chloropropane							Ug/L	
077651	1,2-Dibromoethane							Ug/L	
034536	1,2-Dichlorobenzene							Ug/L	
034571	1,4-Dichlorobenzene							Ug/L	

ATTACHMENT E

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: SEMGW

Semi-annual Ground Water Monitoring (Page 3 of 4)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: ____ (AS) Assessment (IW) Irrigation Well

WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
049263	trans-1,4-Dichloro-2-butene							Ug/L	
034496	1,1-Dichloroethane							Ug/L	
034531	1,2-Dichloroethane							Ug/L	
034501	1,1-Dichloroethene							Ug/L	
077093	cis-1,2-Dichloroethene							Ug/L	
034546	trans-1,2-Dichloroethene							Ug/L	
034541	1,2-Dichloropropane							Ug/L	
034704	cis-1,3-Dichloropropene							Ug/L	
034699	trans-1,3-Dichloropropene							Ug/L	
034371	Ethylbenzene							Ug/L	
077424	Iodomethane							Ug/L	
077103	Methyl butyl ketone							Ug/L	
081595	Methyl ethyl ketone							Ug/L	
077596	Methylene Bromide							Ug/L	
034423	Methylene Chloride							Ug/L	
081596	Methyl isobutyl ketone							Ug/L	
077128	Styrene							Ug/L	
077562	1,1,1,2-Tetrachloroethane							Ug/L	
034516	1,1,2,2-Tetrachloroethane							Ug/L	
034475	Tetrachloroethene							Ug/L	
034010	Toluene							Ug/L	
034506	1,1,1-Trichloroethane							Ug/L	
034511	1,1,2-Trichloroethane							Ug/L	
039180	Trichloroethene							Ug/L	

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

Rule 62-701.510(8)(c)&(d)

Semi-annual Ground Water Monitoring (Page 4 of 4)

SAMPLING DATE/TIME _____

SAMPLING METHOD

PERMITTED: (AS) Assessment (IW) Irrigation Well

WELL TYPE	(BG) Background	(OT) Other
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(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

(DG) Downgradient (UP) Upgradient

(IM) Intermediate (WS) Water supply

[illegible]

ATTACHMENT F

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: SEMSW

Semi-annual Surface Water Monitoring (Page 1 of 4)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: _____ (AS) Assessment (IW) Irrigation Well

WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
082545	Water Elevation (NGVD)							Ft	
000010	Temperature (field)							deg C	
000299	Dissolved Oxygen (field)							Mg/L	
000406	pH (field)							STD	
000094	Spec. Conductance (field)							Umhos/cm	
082078	Turbidity (field)							NTU	
000612	Un-ionized Ammonia as N							Mg/L	
000900	Total Hardness as CaCO ₃							Mg/L	
000680	Total Organic Carbon							Mg/L	
070300	Total Dissolved Solids							Mg/L	
000530	Total Suspended Solids							Mg/L	
000310	BOD (5 Day) @ 20 °C							Mg/L	
000340	Chemical Oxygen Demand							Mg/L	
000600	Total Nitrogen as N							Mg/L	
000620	Nitrate as N							Mg/L	
000650	Total Phosphates as PO ₄							Mg/L	
032211	Chlorophyll A							Ug/L	
031616	Fecal coliform							#/100 mL	
	<u>METALS</u>								
001097	Antimony							Ug/L	
001002	Arsenic							Ug/L	
001007	Barium							Ug/L	
001012	Beryllium							Ug/L	
001027	Cadmium							Ug/L	

ATTACHMENT F

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: SEMSW

Semi-annual Surface Water Monitoring (Page 2 of 4)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: ____ (AS) Assessment (IW) Irrigation Well

WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
001034	Chromium							Ug/L	
001037	Cobalt							Ug/L	
001042	Copper							Ug/L	
001045	Iron							Ug/L	
001051	Lead							Ug/L	
071900	Mercury							Ug/L	
001067	Nickel							Ug/L	
001147	Selenium							Ug/L	
001077	Silver							Ug/L	
001059	Thallium							Ug/L	
001087	Vanadium							Ug/L	
001092	Zinc							Ug/L	
	<u>ORGANICS</u>								
081552	Acetone							Ug/L	
034215	Acrylonitrile							Ug/L	
034030	Benzene							Ug/L	
073085	Bromochloromethane							Ug/L	
032101	Bromodichloromethane							Ug/L	
032104	Bromoform							Ug/L	
034413	Bromomethane							Ug/L	
077041	Carbon Disulfide							Ug/L	
032102	Carbon Tetrachloride							Ug/L	
034301	Chlorobenzene							Ug/L	
034311	Chloroethane							Ug/L	

ATTACHMENT F

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: **SEMSW**

Semi-annual Surface Water Monitoring (Page 3 of 4)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: ____ (AS) Assessment (IW) Irrigation Well

WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
032106	Chloroform							Ug/L	
034418	Chloromethane							Ug/L	
032105	Dibromochloromethane							Ug/L	
038437	1,2-Dibromo-3-chloropropane							Ug/L	
046369	1,2-Dibromoethane							Ug/L	
034536	1,2-Dichlorobenzene							Ug/L	
034571	1,4-Dichlorobenzene							Ug/L	
049263	trans-1,4-Dichloro-2-butene							Ug/L	
034496	1,1-Dichloroethane							Ug/L	
034531	1,2-Dichloroethane							Ug/L	
034501	1,1-Dichloroethene							Ug/L	
077093	cis-1,2-Dichloroethene							Ug/L	
034546	trans-1,2-Dichloroethene							Ug/L	
034541	1,2-Dichloropropane							Ug/L	
034704	cis-1,3-Dichloropropene							Ug/L	
034699	trans-1,3-Dichloropropene							Ug/L	
034371	Ethylbenzene							Ug/L	
077424	Iodomethane							Ug/L	
077103	Methyl butyl ketone							Ug/L	
081595	Methyl ethyl ketone							Ug/L	
077596	Methylene bromide							Ug/L	
034423	Methylene chloride							Ug/L	
081596	Methyl isobutyl ketone							Ug/L	

ATTACHMENT F

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: **SEMSW**

Semi-annual Surface Water Monitoring (Page 4 of 4)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: ____ (AS) Assessment (IW) Irrigation Well

WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
077128	Styrene							Ug/L	
077562	1,1,1,2-Tetrachloroethane							Ug/L	
034516	1,1,2,2-Tetrachloroethane							Ug/L	
034475	Tetrachloroethene							Ug/L	
034010	Toluene							Ug/L	
034506	1,1,1-Trichloroethane							Ug/L	
034511	1,1,2-Trichloroethane							Ug/L	
039180	Trichloroethene							Ug/L	
034488	Trichlorofluoromethane							Ug/L	
077443	1,2,3-Trichloropropane							Ug/L	
077057	Vinyl Acetate							Ug/L	
039175	Vinyl Chloride							Ug/L	
034020	Xylenes							Ug/L	

ATTACHMENT G

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: ANNLC

Annual Leachate Monitoring (Page 1 of 9)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
000010	Temperature (field)							deg C	
000299	Dissolved Oxygen (field)							Mg/L	
000406	pH (field)							STD	
000094	Spec. Conductance (field)							Umhos/cm	
000610	Total Ammonia as N							Mg/L	
000940	Chlorides							Mg/L	
000620	Nitrate as N							Mg/L	
070300	Total Dissolved Solids							Mg/L	
000440	Bicarbonate							Mg/L	
000720	Cyanide							Ug/L	
000745	Sulfide							Ug/L	
	<u>METALS</u>								
001097	Antimony							Ug/L	
001002	Arsenic							Ug/L	
001007	Barium							Ug/L	
001012	Beryllium							Ug/L	
001027	Cadmium							Ug/L	
001034	Chromium							Ug/L	
001037	Cobalt							Ug/L	
001042	Copper							Ug/L	
001045	Iron							Ug/L	
001051	Lead							Ug/L	
071900	Mercury							Ug/L	
001067	Nickel							Ug/L	
001147	Selenium							Ug/L	
001077	Silver							Ug/L	
000929	Sodium							Mg/L	
001059	Thallium							Ug/L	

ATTACHMENT G

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: ANNLC

Annual Leachate Monitoring (Page 2 of 9)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
001102	Tin							Ug/L	
001087	Vanadium							Ug/L	
001092	Zinc							Ug/L	
	<u>ORGANICS</u>								
034205	Acenaphthene							Ug/L	
034200	Acenaphthylene							Ug/L	
081552	Acetone							Ug/L	
076997	Acetonitrile; Methyl cyanide							Ug/L	
081553	Acetophenone							Ug/L	
073501	2-Acetylaminofluorene; 2-AAF							Ug/L	
034210	Acrolein							Ug/L	
034215	Acrylonitrile							Ug/L	
039330	Aldrin							Ug/L	
078109	Allyl chloride							Ug/L	
077581	4-Aminobiphenyl							Ug/L	
034220	Anthracene							Ug/L	
034030	Benzene							Ug/L	
034526	Benzo(a)anthracene							Ug/L	
034230	Benzo(b)fluoranthene							Ug/L	
034242	Benzo(k)fluoranthene							Ug/L	
034247	Benzo(a)pyrene							Ug/L	
034521	Benzo(g,h,i)perylene							Ug/L	
077147	Benzyl alcohol							Ug/L	
039337	alpha-BHC							Ug/L	
039338	beta-BHC							Ug/L	
046323	delta-BHC							Ug/L	
039340	gamma-BHC; Lindane							Ug/L	
034273	Bis(2-chloroethyl)ether							Ug/L	

ATTACHMENT G

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: ANNLC

Annual Leachate Monitoring (Page 3 of 9)WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
034278	Bis(2-chloroethoxy)methane							Ug/L	
073522	Bis (2-chloro-1-methylethyl) ether							Ug/L	
039100	Bis(2-ethylhexyl)phthalate							Ug/L	
073085	Bromochloromethane							Ug/L	
032101	Bromodichloromethane							Ug/L	
032104	Bromoform							Ug/L	
034413	Bromomethane							Ug/L	
034636	4-Bromophenyl phenyl ether							Ug/L	
034292	Butyl benzyl phthalate							Ug/L	
077041	Carbon Disulfide							Ug/L	
032102	Carbon Tetrachloride							Ug/L	
039350	Chlordane							Ug/L	
073529	p-Chloroaniline							Ug/L	
034301	Chlorobenzene							Ug/L	
039460	Chlorobenzilate							Ug/L	
034452	p-chloro-m-cresol							Ug/L	
034311	Chloroethane							Ug/L	
032106	Chloroform							Ug/L	
034418	Chloromethane								
034581	2-Chloronaphthalene							Ug/L	
034586	2-Chlorophenol							Ug/L	
034641	4-Chloropheny phenyl ether							Ug/L	
081520	Chloroprene							Ug/L	
034320	Chrysene							Ug/L	
977148	m&p-Cresols							Ug/L	
077152	o-Cresol							Ug/L	
039730	2,4-D; 2,4-Dichlorophenoxyacetic acid							Ug/L	

ATTACHMENT G

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: ANNLC

Annual Leachate Monitoring (Page 4 of 9)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
039360	4,4-DDD							Ug/L	
039365	4,4-DDE							Ug/L	
039370	4,4-DDT							Ug/L	
073540	Diallate							Ug/L	
034556	Dibenz(a,h)anthracene							Ug/L	
081302	Dibenzofuran							Ug/L	
032105	Dibromochloromethane							Ug/L	
049146	1,2-Dibromo-3-chloropropane							Ug/L	
077651	1,2-Dibromoethane							Ug/L	
039110	Di-n-butylphthalate							Ug/L	
034536	1,2-Dichlorobenzene							Ug/L	
034566	1,3-Dichlorobenzene							Ug/L	
034571	1,4-Dichlorobenzene							Ug/L	
034631	3,3-Dichlorobenzidine							Ug/L	
049263	trans-1,4-Dichloro-2-butene							Ug/L	
034668	Dichlorodifluoromethane							Ug/L	
034496	1,1-Dichloroethane							Ug/L	
034531	1,2-Dichloroethane							Ug/L	
034501	1,1-Dichloroethene							Ug/L	
077093	cis-1,2-Dichloroethene							Ug/L	
034546	trans-1,2-Dichloroethene							Ug/L	
034601	2,4-Dichlorophenol							Ug/L	
077541	2,6-Dichlorophenol							Ug/L	
034541	1,2-Dichloropropane							Ug/L	
077173	1,3-Dichloropropane							Ug/L	
077170	2,2-Dichloropropane							Ug/L	
077168	1,1-Dichloropropene							Ug/L	
034704	cis-1,3-Dichloropropene							Ug/L	

ATTACHMENT G

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: ANNLC

Annual Leachate Monitoring (Page 5 of 9)

WACS_FACILITY 89544

SAMPLING DATE/TIME

WACS_WELL

SAMPLING METHOD

MONITORING_SITE_NUM

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
034699	trans-1,3-Dichloropropene							Ug/L	
039380	Dieldrin							Ug/L	
034336	Diethyl phthalate							Ug/L	
073553	Thionazin							Ug/L	
046314	Dimethoate							Ug/L	
073558	p-(Dimethylamino)azobenzene							Ug/L	
073559	7,12-Dimethylbenz(a)anthracene							Ug/L	
082213	3,3-Dimethylbenzidine							Ug/L	
034606	2,4-Dimethylphenol							Ug/L	
034341	Dimethyl phthalate							Ug/L	
045622	m-Dinitrobenzene							Ug/L	
034657	2-Methyl-4,6-dinitrophenol							Ug/L	
034616	2,4-Dinitrophenol							Ug/L	
034611	2,4-Dinitrotoluene							Ug/L	
034626	2,6-Dinitrotoluene							Ug/L	
081287	DNBP (Dinoseb)							Ug/L	
034596	Di-n-octyl phthalate							Ug/L	
077579	Diphenylamine							Ug/L	
081888	Disulfoton							Ug/L	
034361	Endosulfan I							Ug/L	
034356	Endosulfan II							Ug/L	
034351	Endosulfan sulfate							Ug/L	
039390	Endrin							Ug/L	
034366	Endrin aldehyde							Ug/L	
034371	Ethylbenzene							Ug/L	
073570	Ethyl methacrylate							Ug/L	
073571	Ethyl methanesulfonate							Ug/L	

ATTACHMENT G

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: ANNLC

Annual Leachate Monitoring (Page 6 of 9)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
038462	Famphur							Ug/L	
034376	Fluoranthene							Ug/L	
034381	Fluorene							Ug/L	
039410	Heptachlor							Ug/L	
039420	Heptachlor epoxide							Ug/L	
039700	Hexachlorobenzene							Ug/L	
034391	Hexachlorobutadiene							Ug/L	
034386	Hexachlorocyclopentadiene							Ug/L	
034396	Hexachloroethane							Ug/L	
073576	Hexachloropropene							Ug/L	
034403	Indeno (1,2,3-c,d) pyrene							Ug/L	
077424	Iodomethane							Ug/L	
077033	Isobutyl alcohol							Ug/L	
039430	Isodrin							Ug/L	
034408	Isophorone							Ug/L	
073582	Isosafrole							Ug/L	
081281	Kepone							Ug/L	
081593	Methacrylonitrile							Ug/L	
073589	Methapyrilene							Ug/L	
039480	Methoxychlor							Ug/L	
077103	Methyl butyl ketone							Ug/L	
073591	3-Methylcholanthrene							Ug/L	
081595	Methyl ethyl ketone							Ug/L	
081597	Methyl methacrylate							Ug/L	
073595	Methyl methanesulfonate							Ug/L	
077416	2-Methylnaphthalene							Ug/L	
039600	Methyl Parathion							Ug/L	
077596	Methylene Bromide							Ug/L	

ATTACHMENT G

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: ANNLC

Annual Leachate Monitoring (Page 7 of 9)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
034423	Methylene Chloride							Ug/L	
081596	Methyl isobutyl ketone							Ug/L	
034696	Naphthalene							Ug/L	
073599	1,4-Naphthoquinone							Ug/L	
073600	1-Naphthylamine							Ug/L	
073601	2-Naphthylamine							Ug/L	
078142	o-Nitroaniline							Ug/L	
078300	m-Nitroaniline							Ug/L	
030342	p-Nitroaniline							Ug/L	
034447	Nitrobenzene							Ug/L	
034591	2-Nitrophenol							Ug/L	
034646	4-Nitrophenol							Ug/L	
073609	N-Nitrosodi-n-butylamine							Ug/L	
073611	N-Nitrosodiethylamine							Ug/L	
034438	N-Nitrosodimethylamine							Ug/L	
034428	N-Nitrosodipropylamine							Ug/L	
034433	N-Nitrosodiphenylamine							Ug/L	
073613	N-Nitrosomethylethylamine							Ug/L	
073619	N-Nitrosopiperidine							Ug/L	
078206	N-Nitrosopyrrolidine							Ug/L	
073622	5-Nitro-o-toluidine							Ug/L	
039540	Parathion							Ug/L	
077793	Pentachlorobenzene							Ug/L	
081316	Pentachloronitrobenzene							Ug/L	
039032	Pentachlorophenol							Ug/L	
073626	Phenacetin							Ug/L	
034461	Phenanthrene							Ug/L	

ATTACHMENT G

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: ANNLC

Annual Leachate Monitoring (Page 8 of 9)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
034694	Phenol							Ug/L	
073628	p-Phenylenediamine							Ug/L	
046313	Phorate							Ug/L	
039516	Polychlorinated biphenyls							Ug/L	
039080	Pronamide							Ug/L	
077007	Propionitrile							Ug/L	
034469	Pyrene							Ug/L	
077545	Safrole							Ug/L	
039760	Silvex; 2,4,5-TP							Ug/L	
077128	Styrene							Ug/L	
039740	2,4,5-Trichlorophenoxyacetic acid							Ug/L	
077734	1,2,4,5-Tetrachlorobenzene							Ug/L	
077562	1,1,1,2-Tetrachloroethane							Ug/L	
034516	1,1,2,2-Tetrachloroethane							Ug/L	
034475	Tetrachloroethene							Ug/L	
077770	2,3,4,6-Tetrachlorophenol							Ug/L	
034010	Toluene							Ug/L	
077142	o-Toluidine							Ug/L	
039400	Toxaphene							Ug/L	
034551	1,2,4-Trichlorobenzene							Ug/L	
034506	1,1,1-Trichloroethane							Ug/L	
034511	1,1,2-Trichloroethane							Ug/L	
039180	Trichloroethene							Ug/L	
034488	Trichlorofluoromethane							Ug/L	
077687	2,4,5-Trichlorophenol							Ug/L	
034621	2,4,6-Trichlorophenol							Ug/L	
077443	1,2,3-Trichloropropane							Ug/L	
073652	0,0,0-Triethyl phosphorothioate							Ug/L	

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

Rule 62-701.510(8)(c)&(d)

Annual Leachate Monitoring (Page 9 of 9)

SAMPLING DATE/TIME _____

SAMPLING METHOD

MONITORING_SITE_NUM _____

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
073653	sym-Trinitrobenzene							Ug/L	
077057	Vinyl Acetate							Ug/L	
039175	Vinyl Chloride							Ug/L	
034020	Xylenes							Ug/L	

ATTACHMENT H

Florida Department of Environmental Protection

3319 Maguire Boulevard, Suite 232, Orlando, Florida 32803-3767

MONITORING WELL COMPLETION REPORT

DATE: _____

FACILITY NAME: Oak Hammock Disposal, Class I Landfill

DEP PERMIT NO.: _____ WACS_FACILITY: 89544

WACS MONITORING SITE_NUM.: _____ WACS_WELL: _____

WELL_TYPE: BACKGROUND _____ DETECTION _____ COMPLIANCE _____

LATITUDE AND LONGITUDE (see Page 2 for requirements): _____

Coordinate Accuracy _____ Datum _____ Elevation Datum _____

Collection Method _____ Collection Date _____

Collector Name _____ Collector Affiliation _____

AQUIFER MONITORED: _____

DRILLING METHOD: _____ DATE INSTALLED: _____

INSTALLED BY: _____

BORE HOLE DIAMETER: _____ TOTAL DEPTH: _____ (BLS)

CASING TYPE: _____ CASING DIAMETER: _____ CASING LENGTH: _____

SCREEN TYPE: _____ SCREEN SLOT SIZE: _____ SCREEN LENGTH: _____

SCREEN DIAMETER: _____ SCREEN INTERVAL: _____ TO _____ (BLS)

FILTER PACK TYPE: _____ FILTER PACK GRAIN SIZE: _____

INTERVAL COVERED: _____ TO _____ (BLS)

SEALANT TYPE: _____ SEALANT INTERVAL: _____ TO _____ (BLS)

GROUT TYPE: _____ GROUT INTERVAL: _____ TO _____ (BLS)

TOP OF CASING ELEVATION (NGVD): _____ GROUND SURFACE ELEVATION (NGVD): _____

DESCRIBE WELL DEVELOPMENT: _____

POST DEVELOPMENT WATER LEVEL ELEVATION (NGVD): _____

DATE AND TIME MEASURED: _____

REMARKS: _____

NAME OF PERSON PREPARING REPORT: _____

(Name, Organization, Phone No., E-mail)

NOTE ATTACH AS-BUILT MW CONSTRUCTION DIAGRAM AND LITHOLOGIC LOG.
(NGVD) NATIONAL GEODETIC VERTICAL DATUM OF 1929 (BLS) = BELOW LAND SURFACE

Latitude must be measured in degrees, minutes and seconds, to at least two (2) decimal places.

Longitude must be measured in degrees, minutes and seconds, to at least two (2) decimal places.

Eastings and northings **must** be converted to latitude and longitude.

Coordinate Accuracy: the measured, estimated degree of correctness of the measurement. An accuracy of 15 feet or 5 meters is preferred.

Datum: the horizontal reference for measuring locations on the Earth's surface. NAD83-North American Datum of 1983 is preferred.

Elevation Datum: the reference datum from which elevation measurements are made. NGVD29 (National Geodetic Vertical Datum of 1929) is preferred.

Collection Method: the method or mechanism used to derive the measurements, e.g. GPS, map, aerial photo, etc.

Collection Date: the date and time on which the measurements were taken.

Collector Name: the name of the person taking the measurement.

Collector Affiliation: the agency or company for whom the collector works.

ATTACHMENT I

Florida Department of Environmental Protection

3319 Maguire Boulevard, Suite 232, Orlando, Florida 32803-3767

GROUND WATER MONITORING REPORT

Rule 62-522.600(11)

PART I GENERAL INFORMATION

- (1) Facility Name Oak Hammock Disposal, Class I Landfill
Address _____
City _____ Zip _____ County _____
Telephone Number () _____ (2) WACS_Facility 89544
- (3) DEP Permit Number _____
- (4) Authorized Representative's Name Title _____
Address _____
City _____ Zip _____ County _____
Telephone Number () _____
- (5) Type of Discharge _____
- (6) Method of Discharge _____

CERTIFICATION

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

Date Owner or Authorized Representative's Signature

PART II QUALITY ASSURANCE REQUIREMENTS

Sampling Organization Comp QAP # _____
Analytical Lab Comp QAP #/ HRS Certification _____
Lab Name _____
Address _____
Phone Number () _____
E-mail Address _____

PURGING DATA

SAMPLING DATA

REMARKS:

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump
RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) **Turbidity:** all readings < 20 NTU; optionally $+ 5$ NTU or $\pm 10\%$ (whichever is greater)

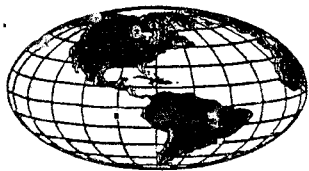
I 03/23/07
EBW**Williams, Elizabeth**

From: Bradner, James
Sent: Thursday, March 22, 2007 9:05 AM
To: Lubozynski, Tom
Cc: Cheryan, George; DePradine, Gloria-Jean; Helle, Deborah; Williams, Elizabeth
Subject: Oak Hammock Landfill - DEP Permit Nos. SC49-0199726-004 & SO49-0199726-005

The Notice of Proposed Agency Action for the permit numbers noted in the subject line of this message was published in the Orlando Sentinel on February 27, 2007. A search of the Legal Case Tracking System on March 22, 2007, disclosed no record of a petition being received by the Department in response to the notice. Accordingly, permit issuance is recommended.

James N. Bradner, P.E.
Manager, Solid and Hazardous Waste Program
Central District
Department of Environmental Protection
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767
Phone: 407-893-3329
Fax: 407-893-3167
SunCom: 325-3329
Central District Switchboard: 407-894-7555
Email: James.Bradner@floridadep.net
Web Site: www.dep.state.fl.us

3/22/2007



GLOBEX

Engineering & Development

7 February 2008

Mr. Mike Kaiser, P.E.
Vice President
Waste Services, Inc.
3400 Jones Road
Jacksonville, Florida 32220

RECEIVED
FEB 15 2008
DEP. Central Dist.

Subject: CQA Report for Cell 1 Sump Repairs
The J.E.D. Solid Waste Management Facility
Osceola County, Florida

Dear Mr. Kaiser:

Globex Engineering & Development, Inc. (Globex) is pleased to submit this letter report for the construction quality assurance (CQA) services provided by Globex during repairs to the vertical risers at the Cell 1 sump at the J.E.D. Solid Waste Management Facility located in Osceola County, Florida. The remainder of this letter report includes a background, parties involved, description of repair activities monitored by Globex, and certification of the completed work.

BACKGROUND

Globex was contacted by Waste Services, Inc. (WSI) for monitoring repair activities on the two primary vertical risers located in the primary sump of Cell 1. The two vertical risers were damaged by lightening and burned down several feet into the ground surface. Globex was tasked to monitor excavation of soils around the risers, installation of new risers over the existing risers, backfilling of excavation, installation of a geomembrane flap around the risers at the perimeter berm level, and placement of soil over the flap. Globex inspected operation of the risers following completion of the concrete work around the risers and connection of electrical lines to make the sump operational again.

Please note that the damage to the primary vertical risers was reported to the Florida Department of Environmental Protection (FDEP) on 6 July 2007, shortly after the damage was discovered. General excavation work was performed by Comanco Environmental Corporation and necessary materials were ordered for the repair work during the period of July 2007 and November 2007, when Globex arrived at the site to document repairs.

2043/F080065

Mr. Mike Kaiser, P.E.

7 February 2008

Page 3

- A concrete slab was poured around the secondary and primary risers;
- A concrete block wall was constructed on the back side of the slab;
- Piping was completed to connect the secondary and primary risers to the existing leachate force main;
- Pumps were installed inside the primary risers; and
- Electrical conduits and control panels were installed to make the pumps operational.

The repair operation began in early November 2007. Globex was present on site from 5 November 2007 through 16 November 2007, until completion of the 2-ft thick layer of soil above the geomembrane flap. According to WSI, repair activities were completed on 8 January 2008. On 9 January 2008, Globex performed a site visit and verified that the construction of the concrete slab, concrete block wall, piping, pump installation, and electrical work were completed. Globex also observed and verified that pumps installed in the primary riser were operational at the completion of the project.

It should be emphasized that the integrity of the base liner was not compromised by the melt down of vertical risers, excavation work, and repair activities (other than the minor repair made at the anchor trench).

CERTIFICATION

The CQA monitoring services provided by Globex were carried out under direct supervision of Ali Khatami, Ph.D., P.E., a Professional Engineer registered in the State of Florida. Dr. Khatami was present on site on 9 November 2007 to observe the on-going repair activities in the field. Dr. Khatami observed the latter part of the soil excavation, placement of gravel, and installation of new risers over the existing risers. Dr. Khatami reviewed field logs prepared by the Globex personnel in the field. Copies of the daily logs are presented in Attachment A.

Mr. Mike Kaiser, P.E.
7 February 2008
Page 4

Globex appreciated the opportunity of providing CQA monitoring services to WSI during repairs to the risers. Please contact either of the undersigned at 954-571-9200 if you have any questions.

Sincerely,



Keith VanGennip
Field Services Manager



Ali Khatami, Ph.D., P.E.
Principal

ATTACHMENT A

DAILY LOGS



GLOBEX

Engineering & Development

Site: WSI Oak Hammock

Project No.: 2043

Date: 11/05/07

Daily Report Log

CQA PERSONNEL: Jorge Barrantes

Page 1 of 13

Arrive at job site at 8:00 am meet with Matt we went to brief job description

- CQA on excavation and dewatering in order to install of two 50" Ø HDPE Primary Sump Risers to cover the two 48" Ø HDPE Primary Sump Risers damaged by lightning.
- Air monitoring the excavation area for gases that in high levels are hazard as:
 - H₂S – hydroxide sulfide,
 - CO – carbon monoxide,
 - O₂ – oxygen in high levels is flammable combustible,
 - CO₂ – carbon dioxide,
 - Methane, flammable combustible, and
 - LEL – Lower Explosion Level.
- Time and personnel tracking in the job area
- G-4 Land & Cattle, Inc. will be the contractor responsible for the installation of two 50" Ø HDPE Primary Sump Risers.
 - Robbie Rowley – Construction Manager
 - Wesley – Superintendent
 - 4 helpers
- Comanco Environmental will cap the leachate sump with 60 mil HDPE textured liner.
 - Crew not on site

G-4 crew was on site at 7:00 am report Superintendent and operations were standing by.

At 9: 30 am Matt gave ok to start cutting the burn remaining sections of the two 48" Ø HDPE Primary Sump Risers damaged by lightning; to perform this operation used air pressure powered saw. I constantly was monitoring the air using biosystems four gas PHD-Lite gas sensor recording readings every half hour.

At 10:04am after setting the equipment and air blower two G4 members went down to the excavation area wearing taxipro H₂O personal sensors to cutting the #1 sump riser.

At 13:30am G4 using a 330LC excavator move the 50" Ø HDPE Primary Sump Risers to the excavation area.

At 11:00am they start cutting the #2 sump riser.

At 11:30am G4 stop for lunch break.

At 12:50pm G4 re-start operations again.

At 13:05pm Mike Kaiser (engineer) shows up to the excavation area to over look the operation progress.



GLOBEX

Engineering & Development

Site: WSI Oak Hammock

Project No.: 2043

Date: 11/05/07

Daily Report Log

CQA PERSONNEL: Jorge Barrantes

Page 2 of 13

At 13:20 pm Robbie Rowley G4 Construction Manager took measurements of the position of the two 48" Ø HDPE Primary Sump Risers damaged by lightning to figure out how more has to be excavated to set the 50" Ø HDPE Primary Sump Risers; taking the top of the # 2 sump raiser Mike Kaiser estimated a clearance of 3' from the top of the ground.

At 13:30pm G4 finish cut the two sump risers

At 13:40pm G4 start chip the sludge inside the sump risers.

At 13:50pm G4 change the hydraulic 12" pump to the second sump riser to pump leachate out of the sump.

At 14:20pm G4 cut a section of the base of one of the 50" Ø HDPE Primary Sump Risers.

At 14:50pm G4 Superintendent shouts down operations.

At 15:00pm G4 left the premises.

After that went to the main office to meet with Mike Kaiser

Air testing data

GASES/TIME	9:30AM	10:00AM	10:30AM	11:00AM	12:50PM	1:30PM	2:00PM	2:30PM
<i>O₂</i>	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
<i>CO</i>	7	7	12	0	6	32	8	9
<i>H₂S</i>	2	2	2	6	11	8	3	4
<i>LEL</i>	0	0	3	0	0	3	0	2

Tomorrow a vacuum truck will be used to clean the two 48" Ø HDPE Primary Sump Risers damaged by lightning and G4 will try to set the two 50" Ø HDPE Primary Sump Risers.



Site: WSI Oak Hammock

Project No.: 2043

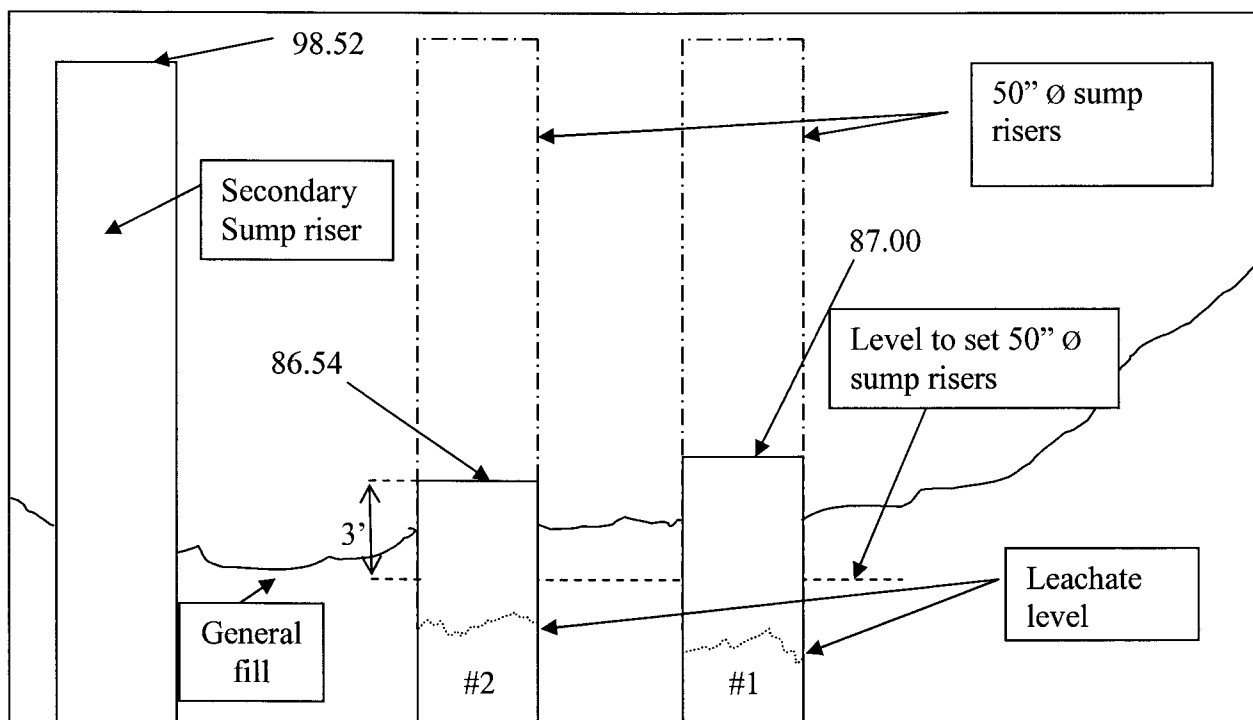
Date: 11/05/07

Daily Report Log

CQA PERSONNEL:

Page 3 of 13

SUMP RISER REPLACEMENT





GLOBEX

Engineering & Development

Site: WSI Oak Hammock

Project No.: 2043

Date: 11/06/07

Daily Report Log

CQA PERSONNEL: Jorge Barrantes

Page 4 of 13

At 7:10am G4 crew start excavating with shovels around the sump risers to reach the 3' feet level point.

At 8:40am vacuum truck arrive at the facility.

At 8:45am G4 crew start wearing green vests and hard heads and continued working.

At 9:20am vacuum truck reach the excavation area.

At 9:35am start vacuuming inside #2 sump riser.

Using one G4 member to help one of the vacuum truck operators clean inside the sump riser and another G4 member to hold still the hoist on to top of the excavation, the second member of the vacuum truck was next to the truck operating the vacuum.

At 9:48am vacuum stops to change the 3"hoist by 6" hoist

At 10:48am re-started vacuuming inside #2 sump riser.

At 11:26am CO gas concentration went up to 42 and LEL up to 15 in my sensor device and the vacuum truck operator had these reading in his device: H2S - 24, CO - 9 and LEL - 17. We evacuate the area letting the gases dissipate.

At 11:40am we re-enter to the excavated area re-set the air blower close to the sump riser and continued with the cleaning inside #2 sump riser.

At 12:00pm gas concentration went to high CO-39, H2S-27AND LEL-19. We evacuate the area and G4 superintendent and vacuum truck operator in charge re evaluate work conditions at the excavated area and conclude that it was to dangerous to continued operations and more safety equipment will be needed.

At 14:00pm G4 Superintendent shouts down operations and left job site.

I went to the main office and inform to Matt and Mike Kaiser about the situation. Me and Mike Kaiser return to the excavate area to check work progress.

Vacuum truck will be re-scheduled to Thursday 11/08/07.

Tomorrow will be no work at the excavated area.



Site: WSI Oak Hammock

Project No.: 2043

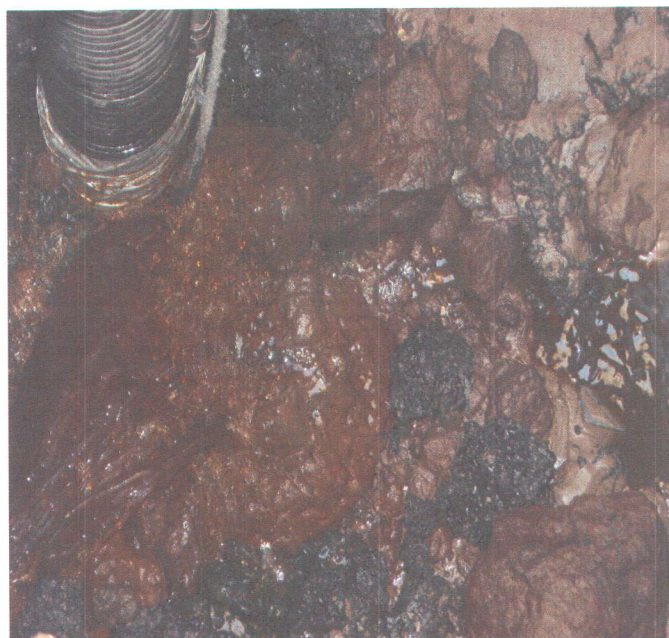
Date: 11/06/07

Daily Report Log

CQA PERSONNEL: Jorge Barrantes

Page 5

of 13





Site: WSI Oak Hammock

Project No.: 2043

Date: 11/08/07

Daily Report Log

CQA PERSONNEL: Jorge Barrantes

Page 6 of 13

Last night 4" hydraulic pump run out of diesel and the leachate inside the risers were high.



At 7:00am G4 show up.

At 7:30am FECC (vacuum truck) show up.

The 4" hydraulic pump was refuel at 8:00am and start pumping leachate out riser #1 at 8:05am.

At 8:11am pumping leachate out side the risers.

At 8:20am start pumping riser #2.

At 8:29 am FECC start setting air ventilation system.

From 9:00 am FECC start working on clean riser #2 having some difficulties due to the high level of leachate by 10:05 am riser #2 was clean.

At 10:40 am FECC was done with the clean up of riser #1 and left.



At 10:45 am G4 start working on dewatering the excavation area.

At 11:05am dewatering was done and G4 start digging around the risers to set the new manholes.

At 12:00pm take ½ hour lunch.

At 1:00pm the 3' were rich.

At 1:30pm the 10" rock bed was in place.



3'



Site: WSI Oak Hammock

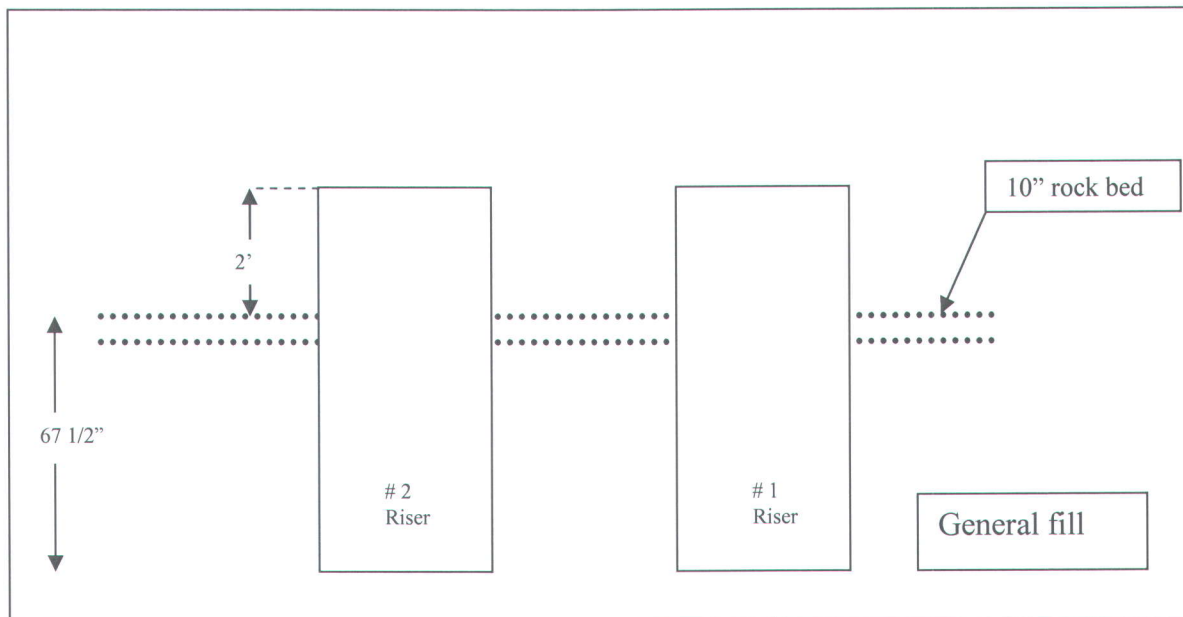
Project No.: 2043

Date: 11/08/07

Daily Report Log

CQA PERSONNEL: Jorge Barrantes

Page 6 of 13



At 1:35pm G4 start welding the 2" inside pipes



At 3:20pm G4 cut the last portion of the risers that melt getting the two risers at the same level.

At 4:30pm done for today.





GLOBEX

Engineering & Development

Site: WSI Oak Hammock

Project No.: 2043

Date: 11/08/07

Daily Report Log

CQA PERSONNEL: Jorge Barrantes

Page 8

of 13

Air testing data

GASES/TIME	8:00AM	8:30AM	9:00AM	9:30AM	9:44AM	10:15AM	12:30PM	1:00PM
<i>O2</i>	20.9	20.9	20.9	20.9	20.9	20.9	21.2	20.9
<i>CO</i>	0	2	2	0	4	0	1	5
<i>H2S</i>	0	0	0	0	9	3	2	0
<i>LEL</i>	3	0	0	0	3	0	3	0

Air testing data

GASES/TIME	1:30PM	8:30AM	9:00AM	9:30AM	9:44AM	10:15AM	12:30PM	1:00PM
<i>O2</i>	20.9	20.9	20.9	20.9	20.9	20.9	21.2	20.9
<i>CO</i>	0	2	2	0	4	0	1	5
<i>H2S</i>	0	0	0	0	9	3	2	0
<i>LEL</i>	3	0	0	0	3	0	3	0



Site: WSI Oak Hammock

Project No.: 2043

Date: 11/09/07

Daily Report Log

CQA PERSONNEL: Jorge Barrantes

Page 9 of 13

At 7:00m G4 crew was on site

At 7:20am G4 crew start excavating around the two 48" Ø HDPE Primary Sump Risers damaged by lightning to make room to set the two 50" Ø HDPE Primary Sump Risers.

At 8:15am G4 crew start setting the 50" Ø HDPE Primary Sump Risers. 50" Ø HDPE Primary Sump Riser # 2 was set first while the pump was running on Sump Riser #1 to keep leachate level down. After setting 50" Ø HDPE Primary Sump Riser # 2 hydraulic pump was removed of Sump Riser #1 and proceed to set 50" Ø HDPE Primary Sump Riser #1



At 9:12am After re-check elevations the 50" Ø HDPE Primary Sump Risers were 2' higher than the Secondary Sump Riser, the 50" Ø HDPE Primary Sump Risers were removed and the 10" bed rock too and G4 dug 12" more and set 4" bed rock leaving 3' sleeve of 48" Ø HDPE inside the two 50" Ø HDPE Primary Sump Risers after being re-installed; elevations were checked and the 50" Ø HDPE Primary Sump Risers were 1' higher of Secondary Riser as required.



At 11:34 am G4 start setting the first lift of soil around the 50" Ø HDPE Primary Sump Risers

At 4:00 pm G4 complete 3rd lift and call the day, G4 won't work over the weekend and will restart operations Tuesday 13 at 7:00 am



Site: WSI Oak Hammock

Project No.: 2043

Date: 11/13/07

Daily Report Log

CQA PERSONNEL: Jorge Barrantes

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of 13

At 7:00 am G4 was on site.

At 7:10 am G4 start working on 4th lift

At 9:30 am 4th lift pass compaction test

At 11:07am 5th lift pass compaction test.

At 12:30 pm lunch break.

At 12:56 pm 6th lift pass compaction test.

At 2:13 pm 7th lift pass compaction test.

At 4:15 pm 8th lift pass compaction test.

At 4:30 pm G4 end the day.





Site: WSI Oak Hammock

Project No.: 2043

Date: 11/14/07

Daily Report Log

CQA PERSONNEL: Jorge Barrantes

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of 13



At 7:00 am G4 was on site.

At 7:40 am G4 start working on 9th lift

At 8:05 am G4 complete 9th lift passing compaction test.

Before G4 start working on 10th lift G4 decides exposes liner limits.

At 2:30pm 10th lift compaction pass compaction test.

While G4 was cleaning the area around the sump found a repair, a hole was made in the liner going thru the 6 layer in the east corner of the sump.

G4 clean the area to Comanco could repair it to morrow.

At 4:30 pm G4 end the day, Comanco will start tomorrow at 9:00 am.





Site: WSI Oak Hammock

Project No.: 2043

Date: 11/15/07

Daily Report Log

CQA PERSONNEL: Jorge Barrantes

Page 12 of 13

At 8:30 am arrive to job site and Comanco was on site with Comanco trailer and Skytrak 10k forklift.
At 9:30 am Comanco start working on repair of the 6 layer patch and the liner cap of the Sump.



At 3:30 pm Comanco finish repair and G4 complete 10th lift
at 4:00 pm passing compaction test.

At 4:30 pm Comanco stop operations and will continued tomorrow.



Site: WSI Oak Hammock

Project No.: 2043

Date: 11/16/07

Daily Report Log

CQA PERSONNEL: Jorge Barrantes

Page 13 of 13



At 8:30 am arrive to job site and Comanco was on site.

At 11:00 am Comanco finish Sump cover liner and start vacuum testing, all good.

At 11:30 am G4 start working on 11th lift, this lift will cover the liner with 1' of dirt.

At 11:45 am Comanco Left the premises.

At 12:00 pm lunch break.

At 1:40 pm G4 complete 11th lift by passing compaction test.



At 3:30 pm G4 complete 12th lift finish the dirt face and the area is ready to concrete and electrical work.

At 4:00 pm G4 left.

At 4:15 pm call Mike Kaiser and left the premises.



Site: WSI Oak Hammock

Project No.: 2043

Date: 01/09/08

Daily Report Log

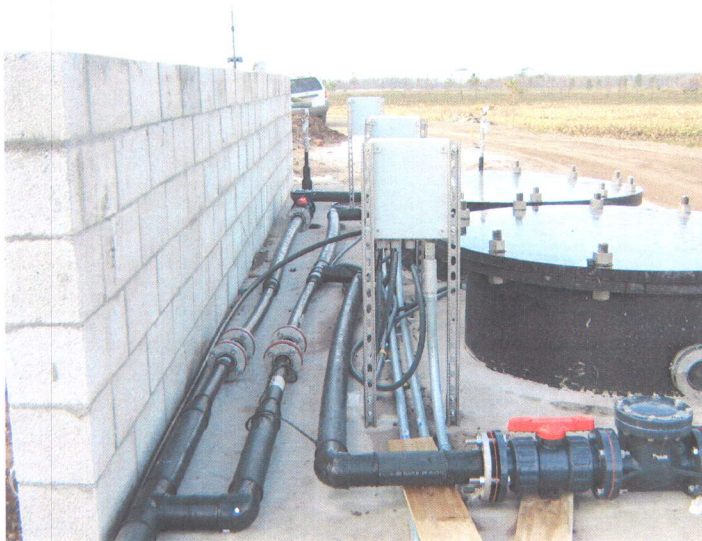
CQA PERSONNEL: Jorge Barrantes

Page 13 of 13

At 9:00 am arrive to job site and call Mike Kaiser.

Went to work area and concrete, electrical and pipe connections were done took pictures start pumps to verify they are in operating conditions.

At 9:30 am left the premises.





3400 Jones Road, Jacksonville, FL 32220

February 10, 2008

Mr. Thomas Lubozynski, P.E.
Waste Program Administrator
Florida Department of Environmental Protection
Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

RECEIVED
FEB 14 2008
DEP Central Dist

Re: Annual Financial Assurance Renewal
Oak Hammock Disposal Facility
Osceola County, Florida
Permit Nos. SC49-0199726-004 and SO49-0199726-005

Dear Mr. Lubozynski:

Please find attached the 2008 revised financial assurance cost estimates for the J.E.D. Solid Waste Management Facility (fka the Oak Hammock Disposal Facility). The most recent cost estimates approved by the Florida Department of Environmental Protection (FDEP) for Cells 1 through 5 (vertical expansion) have been increased by the annual inflation factor provided by the FDEP (documents attached).

If you have any questions or require any additional information during your review, please contact me at (904) 673-0446 or by e-mail at mkaiser@wsii.us at your earliest convenience.

Sincerely,

A handwritten signature in black ink, appearing to read "Mike Kaiser", is written over a horizontal line.

Mike Kaiser
V.P., Environmental Management and Engineering, US
Waste Services, Inc.

Cc:
Mr. Frank Hornbrook, FDEP Tallahassee
Mr. Shawn McCash, WSI
Mr. Matt Orr, WSI

10 ROXA



Florida Department of Environmental Protection
Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, FL 32399-2400

DEP Form # 62-701.900(28)
Form Title Financial Assurance Cost Estimate Form
Effective Date 05-27-01
DEP Application No. _____
(Filled by DEP)

FINANCIAL ASSURANCE COST ESTIMATE FORM

Date: February 7, 2008

Date of DEP Approval: _____

I. GENERAL INFORMATION:

Facility Name: Oak Hammock Disposal Facility WACS or GMSID #: 89455

Permit / Application No.: SC49-0199726-004/SO49-0199726-005 Expiration Date: 01/11/2012

Facility Address: 1501 Omni Way, St. Cloud, Florida 34773

Permittee: Omni Waste of Osceola County, LLC

Mailing Address: 5002 T-Rex Avenue, Suite 200, Boca Raton, Florida 33431

Latitude: 28 03 32 Longitude: 81 05 46 or UTM: _____

Solid Waste Disposal Units Included in Estimate:

Phase / Cell	Acres	Date Unit Began Accepting Waste	Design Life of Unit From Date of Initial Receipt of Waste
PH1 / Cell 1	18	Jan 2004	
PH1 / Cell 2	12	Jun 2006	
PH1 / Cell 3	12	Dec 2006	
PH1 / Cell 4	11	Sept 2005	
PH2 / Cell 5	11.2	Nov 2007	
			Life of PH2 is
			approx. 3 years

Total Landfill Acreage included in this estimate. 64.2 Closure 64.2 Long-Term Care

Type of landfill: ☒ Class I ☐ Class III ☐ C&D Debris

II. TYPE OF FINANCIAL ASSURANCE DOCUMENT (Check Type)

☐ Letter of Credit*

☒ Insurance Certificate

☐ Surety Bond*

☐ Escrow Account

☐ Trust Fund Agreement

☐ Financial Test

*Indicates
mechanisms that
require use of a
Standby Trust Fund
Agreement

Northwest District
160 Governmental Center
Pensacola, FL 32501-5794
850-595-8360

Northeast District
7825 Baymeadows Way, Ste. B200
Jacksonville, FL 32256-7590
904-448-4300

Central District
3319 Maguire Blvd., Ste. 232
Orlando, FL 32803-3767
407-894-7555

Southwest District
3804 Coconut Palm Dr.
Tampa, FL 33619
813-744-6100

South District
2295 Victoria Ave., Ste. 364
Fort Myers, FL 33901-3881
941-332-6975

Southeast District
400 North Congress Ave.
West Palm Beach, FL 33401
561-681-6600

III. ESTIMATE ADJUSTMENT

40 CFR Part 264 Subpart H as adopted by reference in Rule 62-701.630, Florida Administrative Code sets forth the method of annual cost estimate adjustment. Cost estimates may be adjusted by using an inflation factor or by recalculating the maximum costs of closure in current dollars. Select one of the methods of cost estimate adjustment below.

☒ (a) Inflation Factor Adjustment

Inflation adjustment using an inflation factor may only be made when a Department approved closure cost estimate exists and no changes have occurred in the facility operation which would necessitate modification to the closure plan. The inflation factor is derived from the most recent Implicit Price Deflator for Gross National Product published by the U.S. Department of Commerce in its survey of Current Business. The inflation factor is the result of dividing the latest published annual Deflator by the Deflator for the previous year. The inflation factor may also be obtained from the Solid Waste Financial Coordinator at (850)-245-8732.

This adjustment is based on the Department approved closure cost estimate dated: 12/20/2007

Latest Department Approved Closure Cost Estimate:		Current Year Inflation Factor		Inflation Adjusted Closure Cost Estimate:
<u>\$5,276,863.00</u>	X	<u>1.030</u>	=	<u>\$5,435,168.89</u>

This adjustment is based on the Department approved long-term care cost estimate dated: 10/22/2007

Latest Department Approved Annual Long-Term Care Cost Estimate:		Current Year Inflation Factor		Inflation Adjusted Annual Long-Term Care Cost Estimate:
<u>\$5,936,091.00</u>	X	<u>1.030</u>	=	<u>\$6,114,173.73</u> (30 yrs.)

Number of Years of Long Term Care Remaining: X _____

Inflation Adjusted Long-Term Care Cost Estimate: = 6,114,173.73 (30 yrs.)

☐ (b) Recalculate Estimates (see section V)

IV. CERTIFICATION BY ENGINEER

This is to certify that the Financial Assurance Cost Estimates pertaining to the engineering features of the this solid waste management facility have been examined by me and found to conform to engineering principals applicable to such facilities. In my professional judgement, the Cost Estimates are a true, correct and complete representation of the financial liabilities for closing and long-term care of the facility and comply with the requirements of Florida Administrative Code (F.A.C.), Rule 62-701.630 and all other Department of Environmental Protection rules, and statutes of the State of Florida. It is understood that the Financial Assurance Cost Estimates shall be submitted to the Department annually, revised or adjusted as required by Rule 62-701.630(4), F.A.C.

Signature of Engineer

R. Shawn McCash
Signature of Owner/Operator

Name & Title (please type)

R. Shawn McCash / Sr. V.P. Env.
Name & Title (please type)

Florida Registration Number (affix seal) & Date

(561) 237-3414
Telephone Number

Mailing Address

Telephone Number



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road MS 4565
Tallahassee, Florida 32399-2400

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

December 20, 2007

Mr. Mike Kaiser
Omni Waste of Osceola County, LLC
3400 Jones Road
Jacksonville, Florida 32220

Re: WACS 89544 – J.E.D. Solid Waste Management Facility (Cells 1-4) Phase II (Cell 5)

Dear Mr. Kaiser:

I have reviewed the documentation submitted to demonstrate financial assurance for the above referenced facility and find it is in order. Evergreen National Indemnity Company certificate to policy number 851130 for closing, dated December 18, 2007, demonstrates adequate financial assurance in the amount of the Department approved closing cost estimate for vertical expansion of Phase I (Cells 1-4) and Phase II (Cell 5) in the amount of \$5,276,863. The long-term care policy number 851131 remains in the amount of \$5,936,091 and is adequate to cover the approved long-term care cost estimate and will be updated to the new facility name at a later date. Therefore, J.E.D. Solid Waste Management Facility is in compliance with the financial assurance requirements of 40 CFR Part 264, Subpart H, as adopted by reference in Rule 62-701.630, Florida Administrative Code, at this time.

If you have any questions, please contact me at (850) 245-8745.

Sincerely,

Frank Hornbrook
Environmental Specialist
Solid Waste Section

FH

cc: Fred Wick, DEP/TLH
Tom Lubozynski, DEP/ORL

**STATE OF FLORIDA
SOLID WASTE MANAGEMENT FACILITY INSURANCE CERTIFICATE
TO DEMONSTRATE FINANCIAL ASSURANCE
FOR**

☒ Closing ☐ Long-Term Care ☐ Corrective Action
[Check Appropriate Box(es)]

The term "Required Action," as used in this document means closing, long-term care, or corrective action, or any combination of these, which is checked above.

Evergreen National Indemnity Company

Name of Insurer

(the "Insurer"), of 6140 Parkland Boulevard, Suite 321, Mayfield Heights, Ohio 44124
Address of Insurer

Omni Waste of Osceola County, LLC

Named Insured

(the "Insured"), of 1501 Omni Way, St. Cloud, Florida 34773
Address of Insured

Additional Named Insured Information

Complete only if the person or business submitting this document is not the policy "Named Insured" but is listed by endorsement as an "Additional Named Insured."

Additional Named Insured: _____
Name

Address

List endorsements that effect the demonstration of financial assurance for the facility(ies) owned by the "Additional Named Insured" covered by this certificate. For sublimit of liability enter dollar amount or "N/A" when not applicable.

Endorsement No.

Effective Date

Sublimit of Liability

List for each facility covered by this certificate: the FDEP identification number, name & address, and the amount of insurance for each "Required Action."

FDEP I.D. No.

Name & Address

Required Action Amount

WACS 89544

J.E.D. Solid Waste Management Facility
Osceola County, Florida

Closing: \$5,276,863.00

Face Amount: \$ 5,276,863.00

Policy Number: 851130

Effective Date: October 17, 2007

The Insurer hereby certifies that it has issued to the Insured the policy of insurance identified above to provide financial assurance for Closing ^{"Required Action"} for the facilities

identified above. The Insurer further warrants that such policy conforms in all respects with the requirements of 40 CFR 264.143(e) and/or 264.145(e), as adopted by reference in Rule 62-701.630 and 62-711.500, Florida Administrative Code, as applicable, for the above specified financial assurance. It is agreed that any provision of the policy inconsistent with such regulations is hereby amended to eliminate such inconsistency.

Whenever requested by the Secretary of the Florida Department of Environmental Protection (FDEP), or the Secretary's designee (the "designee"), the Insurer agrees to furnish to the FDEP Secretary, or designee, a duplicate original of the policy listed above, including all endorsements thereon.

The persons whose signatures appear below hereby certify that the wording of this certificate is identical to the wording as adopted and incorporated by reference in Rule 62-701.900, F.A.C.

Karen M. LoConti-Diaz
Signature of Authorized Representative of Insurer

Karen M. LoConti-Diaz, Resident Agent
Type Name and Title

800-641-9222
Telephone Number

Authorized Representative of:

Evergreen National Indemnity Company
Name of Insurer

United Nations Insurance Agency, Inc.
Address of Representative

1900 NW Corporate Boulevard, Suite 400E, Boca Raton, Florida 33431

Michelle Wade
Signature of Witness or Notary

December 18, 2007

Date

Seal

From: Hornbrook, Frank [Frank.Hornbrook@dep.state.fl.us]

Sent: Thursday, November 15, 2007 11:03 AM

To: Michael Kaiser

Cc: Shawn McCash; Kathie Price; Lubozynski, Tom; Cheryan, George; DePradine, Gloria-Jean

Subject: OMNI WASTE OF OSCEOLA COUNTY, LLC - Vertical Expansion of the now named J.E.D. solid waste management facility (formerly Oak Hammock swmf)

Mr. Kaiser,

I have received your letter dated November 12, 2007 as part of an RAI request from our Central District. You stated in this letter that you would be requesting new closing and long-term care amounts for your financial assurance instruments in the amounts of \$5,276,863 for closing and **\$5,813,566** for long-term care in regards to the vertical expansion and Phase 2 Cell 5.

On October 12, 2007 the facility had submitted new estimates, including Phase 2 Cell 5 but not the vertical expansion, which were approved by the Central District in the amount of \$4,860,941 for closing and **\$5,936,091** for long-term care which has been funded. Note that these approved estimates have a higher long-term care amount than that of the estimates you list in the letter dated 11/12/07. Since the facility has two separate insurance policies, one for closing and one for long-term care, at this point you may submit a new or updated closing policy but my Department will need to authorize by letter the reduction in the long-term care policy. I will need to receive District approval for this and I will contact them concerning this lower long-term care amount.

I also note that now would be the time to change the facility name (not permittee) on the new policies when issued. I believe the District is accepting the facility name change as part of the vertical expansion permit modification.

As soon as I have approved long-term care amounts I will prepare an authorization letter, if necessary, and notify you. If you have any questions, feel free to contact me.

Thank you,

Frank Hornbrook

Send Correspondence to:

Solid Waste Financial Coordinator

Florida Department Of Environmental Protection

2600 Blair Stone Rd. MS 4565

Tallahassee, Florida 32399-2400

Att: Frank Hornbrook, Environmental Specialist

Contact Information:

E-mail: Frank.Hornbrook@dep.state.fl.us

Ph: Office (850) 245-8745 Fax: (850) 245-8811

Suncom: 205-8745 Suncom Fax: 205-8811

Website References:

Financial Assurance Website (current inflation factor)

<http://www.dep.state.fl.us/waste/categories/swfr/>

Solid Waste Financial Assurance Forms / Cost Estimate Forms / Permit Forms / Change Forms

http://www.dep.state.fl.us/waste/quick_topics/forms/pages/62-701.htm

Used Oil Website

http://www.dep.state.fl.us/waste/categories/used_oil/default.htm

Used Oil Forms / Financial Assurance Forms / Cost Estimate Forms

http://www.dep.state.fl.us/waste/categories/used_oil/pages/forms.htm

Please note: Florida has a very broad public records law. Most written communications to or from state officials are public records and may be made available to the public or media upon request. This e-mail communication, your reply, and future e-mails to my attention may therefore be subject to public disclosure.

The Department of Environmental Protection values your feedback as a customer. DEP Secretary Michael W. Sole is committed to continuously assessing and improving the level and quality of services provided to you. Please take a few minutes to comment on the quality of service you received. Simply click on this link to the DEP Customer Survey. Thank you in advance for completing the survey.



3400 Jones Road, Jacksonville, FL 32220

November 12, 2007

Mr. Frank Hornbrook
Solid Waste Financial Coordinator
Florida Department of Environmental Protection
2600 Blair Stone Rd. MS 4565
Tallahassee, Florida 32399-2400

Re: Closure and Long-Term Care Cost Updates
Vertical Expansion 2007
Oak Hammock Disposal Facility
Osceola County, Florida
Modification of Permit Nos. SC49-0199726-004 & SO49-0199726-005
Permit Application Nos. SC49-0199726-006 & SO49-0199726-007

Dear Mr. Hornbrook:

On September 17, 2007, Omni Waste of Osceola County, LLC submitted an application to the Florida Department of Environmental Protection, Central District, for a vertical expansion of the Oak Hammock Disposal Facility. By letter dated October 17, 2007 (attached), the Central District requested additional information (RAI) in order to continue evaluating the application. Item 7 of the RAI requires a new financial mechanism be funded for the closure and long-term care cost estimates provided in the vertical expansion application.

In response to the Central District's request, I have instructed our insurance provider, Evergreen National Indemnity Company, to provide new insurance certificates for the amounts listed below. As provided in Section 6.10 of the permit application (attached), the amounts include closure and long-term care costs for the active areas, Cells 1-5 of Phases 1 & 2. As noted in Section 6.10, financial assurance for future cells will be provided 60-days prior to accepting waste in each cell.

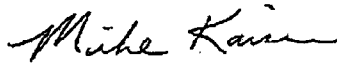
Closure - \$5,276,863

Long-Term Care - \$5,813,566

Additionally, please note that a request has been made to change the name of the facility as part of the vertical expansion application. The new name (J.E.D. Solid Waste Management Facility) and new permit application numbers will be included on the updated insurance certificates.

I trust the information provided here-in meets with your approval. Please feel free to contact me at (904) 673-0446, e-mail mkaiser@wsii.us, if you have any questions or require additional information.

Sincerely,



Mike Kaiser
VP, Environmental Management and Engineering
Waste Services, Inc.

Cc:

Mr. Tom Lubozynski, FDEP Central District
Mr. Mr. Shawn McCash, WSI
Mr. Matt Orr, WSI
Mr. Ayushman Gupta, Geosyntec
Ms. Kathie Price, Evergreen National Indemnity Company

monitoring probes will not be installed along the perimeter berm as noted in Section 5.4.2 of the 2006 Solid Waste Renewal Permit Application. The revised location of the gas monitoring probes is noted on the Vertical Expansion Permit Drawings. Section 4.5.2 of the Operation Plan included in Appendix M has also been revised accordingly.

6.8 Technical Specifications

The technical specifications were revised for the vertical expansion and other landfill design modifications proposed for the JED facility. The revisions to the technical specifications were also based on the experience gained during construction of Cells 1 through 5 at the JED facility. The revised technical specifications are presented in Appendix J of this major modification application.

6.9 Construction Quality Assurance Plan

The construction quality assurance (CQA) plan was also revised for the proposed vertical expansion and other landfill design modifications for the JED facility. The revisions to the CQA plan were also based on the experience gained during construction of Cells 1 through 5 at the JED facility. The revised CQA plan is presented in Appendix K of this major modification application.

6.10 Closure and Long-Term Costs Evaluation for Financial Assurance

Omni/WSI will execute a financial assurance funding mechanism (insurance certificate) for the current estimate of closure and long-term care of all constructed cells at the JED facility. A Financial Assurance Cost Estimate Form (DEP Form #62-701.900(28)) is included in Appendix L of this major modification application. The financial assurance cost estimate in Appendix L is for all 10 cells (Cells 1 through 10) in Phases 1 through 3 and takes into consideration the proposed vertical expansion and other landfill design modifications for the JED facility. To comply with the requirements of Section 62-701.630(4), FAC, the cost estimates for the closure and long-term care of the landfill will be updated annually and submitted to FDEP.

As previously approved by FDEP, Omni requests a phased financial assurance for the JED facility. Omni/WSI proposes to execute a financial funding assurance mechanism only for the cells that have been constructed at the JED facility. Waste will be disposed only in cells for which a financial assurance funding mechanism has been executed. The financial assurance funding mechanism will be updated to include any new cell that is constructed at the JED facility at least ~~thirty (30)~~sixty (60) days prior to ~~the~~ acceptance of waste in the new cell. Omni understands that a minor modification application will need to be

submitted to and approved by FDEP to update the financial assurance mechanism for each subsequent cell (Cells 6 through 10) that will be constructed at the JED facility.

The financial assurance cost estimate presented in Appendix L includes the cost for closure and long-term care of all 10 cells (Cells 1 through 10) currently permitted in Phases 1 through 3 of the JED facility. If a more accurate and realistic scenario is considered for the sequence of cell construction and operation, the cost for the required financial assurance can be more accurately estimated. Since the proposed cells in Phases 2 and 3 will be constructed at different times, the financial assurance requirement will be adjusted to consider only the cells containing or expected to contain waste during the period covered by the financial assurance. The financial assurance will not cover the cells that are not scheduled to be constructed during the period covered by the financial assurance.

The costs for closure and long-term care for Cells 1 through 5 (in Phases 1 and 2) and each of the remaining 5 cells (in Phases 2 and 3) are summarized in the table below. These costs are a breakdown of the estimated costs for the 10 cells in Phases 1 through 3 included in the Financial Assurance Cost Estimate Form in Appendix L. The costs presented below will be used for future financial assurance updates for the JED facility.

Cells Containing Waste	Cells Containing Waste	Closure Cost	Long-Term Care Cost	Total Financial Assurance Cost
Phases 1 & 2	Cells 1 thru 5	\$5,276,863	\$5,813,566	\$11,090,429
Phase 2	Cell 6	\$998,775	\$416,793	\$1,415,568
Phase 2	Cell 7	\$1,032,068	\$429,586	\$1,461,654
Phase 3	Cell 8	\$982,129	\$410,397	\$1,392,526
Phase 3	Cell 9	\$1,131,945	\$467,966	\$1,599,911
Phase 3	Cell 10	\$965,483	\$404,000	\$1,369,483

6.11 Alternative Materials as Initial Cover

Omni/WSI intends to use alternative materials as initial or daily cover for waste deposited at the JED facility. Alternative materials that may be used as initial cover at the JED facility include tarps, tire chips, auto shredded fluff, mulch mixed with soil, and petroleum contaminated soils.

The Operation Plan for the JED facility has been revised to include the use of the proposed alternative materials as initial or daily cover. The revised Operation Plan is included in

Appendix M of this major modification application. The alternative materials proposed to be used as initial or daily cover for waste deposited at the JED facility is discussed in Section 3.1.4.2 of the Operation Plan.

Lubozynski, Tom

From: AGupta@Geosyntec.com
Sent: Wednesday, February 20, 2008 4:27 PM
To: Lubozynski, Tom; Cheryan, George
Cc: mkaiser@wasteservicesinc.com; SMcCash@wasteservicesinc.com
Subject: JED NOI to Issue - Proof of Publication
Attachments: JED SW Proof of Pub.pdf; image001.jpg

Gentlemen:

Please find the attached proof of publication for the NOI to issue related solid waste permit for vertical expansion of the JED facility. Please acknowledge the receipt of this e-mail/information. Thanks

Ayushman Gupta, P.E.
Senior Engineer

14055 Riveredge Drive #300
Tampa, FL - 33637
Phone: 813-558-0990 x 235
Fax: 813-558-9726
www.Geosyntec.com

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*Complete e-mail
of attachment
see Outlook
2/20/08*

Cheryan, George

From: AGupta@Geosyntec.com
Sent: Wednesday, February 20, 2008 4:27 PM
To: Lubozynski, Tom; Cheryan, George
Cc: mkaiser@wasteservicesinc.com; SMCash@wasteservicesinc.com
Subject: JED NOI to Issue - Proof of Publication
Attachments: JED SW Proof of Pub.pdf

Gentlemen:

Please find the attached proof of publication for the NOI to issue related solid waste permit for vertical expansion of the JED facility. Please acknowledge the receipt of this e-mail/information. Thanks

Ayushman Gupta, P.E.
Senior Engineer

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Tampa, FL - 33637
Phone: 813-558-0990 x 235
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Orlando Sentinel

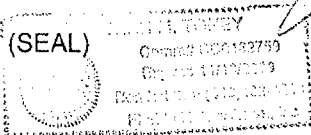
Published Daily

State of Florida } s.s.
COUNTY OF ORANGE

Before the undersigned authority personally appeared Beverly C. Simmons, who on oath says that he/she is the Legal Advertising Representative of Orlando Sentinel, a daily newspaper published at Orlando in Orange County, Florida; that the attached copy of advertisement, being a Legal Notice in the matter of FILE#SC49-0199726-006; S049-0199726-007 In the Orange Court, was published in said newspaper in the issue; of 02/14/08

Affiant further says that the said Orlando Sentinel is a newspaper published at Orlando, in said Orange County, Florida, and that the said newspaper has heretofore been continuously published in said Orange County, Florida, each Week Day and has been entered as second-class mail matter at the post office in Orlando in said Orange County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that he/she has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

The foregoing instrument was acknowledge before me this 15TH day of February, 20, by Beverly C. Simmons, who is personally known to me and who did take an oath.



Order# 633472

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION NOTICE OF INTENT TO ISSUE PERMIT FOR MODIFIED PROJECT

The Department of Environmental Protection gives notice of its intent to issue a permit modification to Omni Waste of Osceola County, L.L.C./Shawn McCash, 1501 Omni Way, St. Cloud, FL 34473. The J.E.D. Solid Waste Management Facility (also known as, Oak Hammock Landfill) is located at 1501 Omni Way, St. Cloud, approximately 4.5 miles south of Holopaw, on the west side of U.S. Highway 441, in eastern Osceola County, FL. The modification would authorize the following: vertical expansion of the JED facility from 178 feet to 330 feet, changes to the side slopes of all cells, and design modifications for future cells 6 through 21 that will be constructed at the facility.

The Department has assigned File Nos. SC49-0199726-006 and SC49-0199726-007 to the project and intends to issue the permits as a modification to the existing Permit Nos. SC49-0199726-004 and SC49-0199726-005 which expire on January 11, 2012.

The Department will issue the permit modification unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57 of the Florida

Statutes before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received by the clerk) in the Office of General Counsel at the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000.

Petitions by the applicant or any of the parties listed below must be filed within fourteen days of receipt of this written notice. Petitions filed by any persons other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within fourteen days of publication of the notice or within fourteen days of receipt of the written notice, whichever occurs first.

Under section 120.60(3) of the Florida Statutes, however, any person who has asked the Department for notice of agency action may file a petition within fourteen days of receipt of such notice, regardless of the date of publication.

The petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57 of the Florida Statutes. Any subsequent intervention (a proceeding initiated by another party) will be only of the discretion of the presiding officer upon the filing of a motion in compliance with rule 28.106.205 of the Florida Administrative Code.

A petition that disputes the material facts on which the Department's action is based must contain the following information:

(a) The name, address, and telephone number of each petitioner; the name, address, and telephone number of the petitioner's representative, if any; the Department permit identification number and the county in which the subject matter or activity is located;

(b) A statement of how and when each petitioner received notice of the Department action;

(c) A statement of how each petitioner's substantial interests are affected by the Department action;

(d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;

(e) A statement of facts that the petitioner contends warrant reversal or modification of the Department action; Page 1 of 2

(f) A concise statement of the ultimate facts alleged, as well as the rules and statutes which entitle the petitioner to relief; and

(g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wants the Department to take.

A petition that does not dispute the material facts on which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by rule 28.106.391.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above. Mediation under section 120.573 of the Florida Statutes is not available for this proceeding.

The application is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department of Environmental Protection, 3319 McGuire Blvd., Suite 232, Orlando, FL 32803, telephone 407/893-3328.

Documents in this matter can also be accessed through the OCULUS electronic document management system at: www.dep.state.fl.us Once at the DEP home page, click on Programs, then click on Waste Management, and then click on OCULUS.

Login as netuser and password: netuser. Click the login button. Under Catalog select Solid Waste and under Profile select Permitting Authorizations. Enter 89455 in the Facility ID field and hit the tab button. Click the Search button.

COR633472 2/14/08



Florida Department of Environmental Protection

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

By E-Mail

smccash@wasteservicesinc.com

Mr. Shawn McCash
Omni Waste of Osceola County, LLC
5002 T-Rex Avenue, Suite 200
Boca Raton, FL 33431

OCD-SW-08-0044
Osceola County - SW
J.E.D. Solid Waste Management Facility,
Class I – Vertical Expansion & Design Modification
Located at 1501 Omni Way, St. Cloud, FL 34473
Modification of Permit Nos. SC49-0199726-004
& SO49-0199726-005
DEP File Nos. SC49-0199726-006 &
SO49-0199726-007

This is the Department's Intent to Issue Permit for the Modification of Permit Nos. SC49-0199726-004 and SO49-0199726-005. Enclosed are the "Notice of Intent to Issue Permit" and Draft Permit for the project and file number noted above. Please contact the Central District's Solid Waste Program at 407-893-3328 if you have any questions or need further information.

INTENT TO ISSUE PERMIT FOR MODIFIED PROJECT

The Department of Environmental Protection gives notice of its intent to issue a permit (copy of conditions attached) for the proposed modified project as detailed in the application specified above, for the reasons stated below.

The applicant, Omni Waste of Osceola County, LLC/Shawn McCash, 5002 T-Rex Avenue, Suite 200, Boca Raton, FL 33431, applied on September 18, 2007 to the Department of Environmental Protection to modify DEP Permit Nos. SC49-0199726-004 and SO49-0199726-005 for the J.E.D. Solid Waste Management Facility, Class I, located at 1501 Omni Way, St. Cloud, FL 34473 in Osceola County, FL. The permit will be modified, thereby requiring additional public notice under Rule 62-103.150(2)(a)5 of the Florida Administrative Code.

The Department has permitting jurisdiction under Section 403.707(1), F.S., and Chapters 62-4, 62-701 and 62-711, F.A.C. The project is not exempt from permitting. The Department has determined that a modification to the existing construction and operation permit is required to include the construction and operation of the vertical expansion of the J.E.D. Facility and also include the design modification for future cells that will be constructed at the facility.

Under section 403.815 of the Florida Statutes and Rule 62-103.150 of the Florida Administrative Code, you (the applicant) are required to publish at your own expense the enclosed Public Notice of Intent to Issue Permit for Modified Project. The notice must be published one time only within 30 days in the legal ad section of a newspaper of general circulation in the area affected. For the purpose of this rule, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of sections 50.011 and 50.031 of the Florida Statutes, in the county where the activity is to take place. Where there is more than one newspaper of general circulation in the county, the newspaper used should be one with significant circulation in the area that may be affected by the permit. If you are uncertain that a newspaper meets these requirements, please contact the Department at the address or telephone number listed below. The applicant must provide proof of publication to the Department, at the Department of Environmental Protection, 3319 Maguire Blvd., Suite 232, Orlando, FL 32803, telephone 407/893-3328, within seven days of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit.

709-11-08
EOLW

The Department will issue the permit with the attached conditions unless a timely petition for an administrative hearing is filed under sections 120.569 and 120.57 of the Florida Statutes before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received by the clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000.

Petitions by the applicant or any of the parties listed below must be filed within fourteen days of receipt of this written notice. Petitions filed by any persons other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within fourteen days of publication of the notice or within fourteen days of receipt of the written notice, whichever occurs first.

Under section 120.60(3) of the Florida Statutes, however, any person who has asked the Department for notice of agency action may file a petition within fourteen days of receipt of such notice, regardless of the date of publication.

The petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57 of the Florida Statutes. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with rule 28-106.205 of the Florida Administrative Code.

A petition that disputes the material facts on which the Department's action is based must contain the following information:

- (a) The name, address, and telephone number of each petitioner; the name, address, and telephone number of the petitioner's representative, if any; the Department permit identification number and the county in which the subject matter or activity is located;
- (b) A statement of how and when each petitioner received notice of the Department action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department action;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A statement of facts that the petitioner contends warrant reversal or modification of the Department action;
- (f) A concise statement of the ultimate facts alleged, as well as the rules and statutes which entitle the petitioner to relief; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wants the Department to take.


A petition that does not dispute the material facts on which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by rule 28-106.301.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation under section 120.573 of the Florida Statutes is not available for this proceeding.

Executed in Orlando, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



F. Thomas Lubozynski for

Vivian F. Garfein
Director, Central District
3319 Maguire Blvd., Suite 232
Orlando, FL 32803
407/894-7555

Date: February 8, 2008

FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to Section 120.52, F. S., with the designated Department Clerk, receipt of which is hereby acknowledged.



Clerk

Feb. 8, 2008

Date

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this INTENT TO ISSUE PERMIT FOR MODIFIED PROJECT and all copies were sent before the close of business on Feb. 8, 2008 to the listed persons.



Clerk

VFG/gc/ew

Enclosures:

1. Wording required in the Public Notice of Intent to Issue Permit for Modified Project
2. Draft Permit Nos. SC49-0199726-006 and SO49-0199726-007

Copies furnished to:

Richard Tedder, P.E. – DEP – Tallahassee
Fred Wick – DEP – Tallahassee
Frank Hornbrook – DEP – Tallahassee
Ayushman Gupta, P.E. – Geosyntec Consultants agupta@geosyntec.com
James N. Bradner, P.E. – DEP – Air Section

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOTICE OF INTENT TO ISSUE PERMIT FOR MODIFIED PROJECT

The Department of Environmental Protection gives notice of its intent to issue a permit modification to Omni Waste of Osceola County, LLC/Shawn McCash, 1501 Omni Way, St. Cloud, FL 34473. The J.E.D. Solid Waste Management Facility (also known as, Oak Hammock Landfill) is located at 1501 Omni Way, St. Cloud, approximately 6.5 miles south of Holopaw, on the west side of U.S. Highway 441, in eastern Osceola County, FL. The modification would authorize the following: vertical expansion of the JED facility from 178 feet to 330 feet, changes to the side slopes of all cells, and design modifications for future cells 6 through 21 that will be constructed at the facility.

The Department has assigned File Nos. SC49-0199726-006 and SO49-0199726-007 to the project and intends to issue the permits as a modification to the existing Permit Nos. SC49-0199726-004 and SO49-0199726-005 which expire on January 11, 2012.

The Department will issue the permit modification unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57 of the Florida Statutes before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received by the clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000.

Petitions by the applicant or any of the parties listed below must be filed within fourteen days of receipt of this written notice. Petitions filed by any persons other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within fourteen days of publication of the notice or within fourteen days of receipt of the written notice, whichever occurs first.

Under section 120.60(3) of the Florida Statutes, however, any person who has asked the Department for notice of agency action may file a petition within fourteen days of receipt of such notice, regardless of the date of publication.

The petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57 of the Florida Statutes. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with rule 28-106.205 of the Florida Administrative Code.

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- (a) The name, address, and telephone number of each petitioner; the name, address, and telephone number of the petitioner's representative, if any; the Department permit identification number and the county in which the subject matter or activity is located;
- (b) A statement of how and when each petitioner received notice of the Department action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department action;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A statement of facts that the petitioner contends warrant reversal or modification of the Department action;

(f) A concise statement of the ultimate facts alleged, as well as the rules and statutes which entitle the petitioner to relief; and

(g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wants the Department to take.

A petition that does not dispute the material facts on which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by rule 28-106.301.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation under section 120.573 of the Florida Statutes is not available for this proceeding.

The application is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department of Environmental Protection, 3319 Maguire Blvd., Suite 232, Orlando, FL 32803, telephone 407/893-3328.

Documents in this matter can also be accessed through the OCULUS electronic document management system at: www.dep.state.fl.us Once at the DEP home page, click on Programs, then click on Waste Management, and then click on OCULUS.

Login as netuser and password: netuser. Click the login button. Under Catalog select Solid Waste and under Profile select Permitting_Authorizations. Enter 89455 in the Facility ID field and hit the tab button. Click the Search button.



Florida Department of Environmental Protection

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

By E-Mail

smccash@wasteservicesinc.com

Mr. R. Shawn McCash
Senior Vice President, Landfill Operations
Omni Waste of Osceola County, LLC
5002 T-Rex Avenue, Suite 200
Boca Raton, FL 33431

Osceola County – SW
J.E.D. Solid Waste Management Facility, Class I
Located at 1501 Omni Way, St. Cloud, FL 34473
Vertical Expansion – Major Modification
Modification of Permit Nos. SC49-0199726-004 and SO49-0199726-005
DEP File Nos. SC49-0199726-006 and SO49-0199726-007

Dear Mr. McCash:

In response to the permit modification application submitted September 18, 2007, by Geosyntec Consultants, Tampa, Florida, the Department is granting your request for a major modification to the existing permits, SC49-0199726-004 and SO49-0199726-005. The modification authorizes the following: vertical expansion of the JED facility from 178 feet to 330 feet, changes to the side slopes of all cells, and design modifications for future cells 6 through 21 that will be constructed at the facility. The modifications are described in the Specific Conditions section below.

Facility Name Change: The JED facility was previously known as the Oak Hammock Disposal Facility (OHDF). It is located at 1501 Omni Way, St. Cloud, FL 34473. Omni Waste of Osceola County, LLC (a wholly owned subsidiary of Waste Services, Inc.) is operating the landfill under the name J.E.D. Solid Waste Management Facility. The landfill will hereafter be referred to as the J.E.D. Solid Waste Management Facility or simply the JED facility.

Project Background: Waste disposal at the JED facility was started in January 2004. The current 5-year construction and operation permit authorizes the development of Phases 1 through 3 at the JED facility. The combined footprint of Phase 1 through 3 is approximately 125 acres. Cells 1 through 4 were constructed at Oak Hammock Disposal as part of Phase I development. Permit Nos. SC49-0199726-004 and SO49-0199726-005 authorize the permittee to construct and operate Phase 2, which includes Cells 5, 6, and 7, and Phase 3, which includes Cells 8, 9, and 10. The complete build-out of the facility will include 21 landfill cells with a footprint of approximately 264 acres within a property boundary of approximately 2,179 acres.

Modification Specific Conditions: The following specific conditions involving landfill design and other modifications are added to Permit Nos. SC49-0199726-004 and SO49-0199726-005.

- A. For all cells (cells 1-21), vertically expand the permitted landfill footprint from a top elevation of 178 feet NGVD (corresponding to a maximum waste thickness of approximately 90 feet) to a top

elevation of 330 feet NGVD (corresponding to a maximum waste thickness of approximately 240 feet) as indicated in the Vertical Expansion Permit Drawings (Reference No. 2 – Appendix A).

- B. For all cells (cells 1-21), modify the currently permitted 4 horizontal to 1 vertical (4H:1V) side slopes with "tack-on" benches to 3H:1V side slopes (between benches) with 15 feet wide benches every 40 vertical feet (at elevations of 138, 178, 218, 258 and 298 feet NGVD) for all 21 cells, Drawing No. 12 and 12A of 40 (Reference No. 2 – Appendix A).
- C. For cells 6 – 10, modify the base grade configuration from currently permitted "single slope" (towards the sump in each cell) to a conventional "herringbone" pattern – Drawing No. 9A and 9B of 40 (Reference Nos. 2 – Appendix A).
- D. For cells 6 – 10, replace the currently permitted central and toe leachate collection systems with a proposed leachate collection and leak detection system in the valley of the herringbone-shaped cells.
- E. For cells 6 – 10, replace the currently permitted vertical sump risers with the conventional side slope sump risers.
- F. For cells 6 – 10, modify the double-composite bottom liner system to include a geosynthetic clay liner (GCL) only under the secondary geomembrane.
- G. For cells 6 – 10, replace the 2 foot thick compacted low permeability layer under the sumps with an additional GCL under the primary geomembrane in the proposed sumps.
- H. Relocate the gas monitoring probes along the perimeter berm (in the current permit) to the property boundary in accordance with the requirements of Rule 62-701.530(2)(b), F.A.C., Drawing No. 29 of 40 (Reference No. 2 – Appendix A).
- I. For all cells (cells 1-21), permit use of alternative materials (including tarps, tire chips, auto shredder fluff, mulch mixed with soils, and petroleum contaminated soils) as initial or daily cover for waste deposited at the JED facility.
- J. Leachate Recirculation: Leachate shall be re-circulated only in areas of the JED facility where the final cover system has not been installed.
- K. Technical Specifications: The landfill (Phases 1 through 3) shall comply with the revised technical specifications presented in Appendix J. (Reference No. 1 – Appendix A).
- L. Construction Quality Assurance (CQA) Plan: The landfill (Phases 1 through 3) shall comply with the revised CQA Plan shown in Appendix K (Reference No. 1 – Appendix A).
- M. Monitoring Plan Implementation Schedule: The Monitoring Plan Implementation Schedule (MPIS) attached as Exhibit I is made a part of this permit. All new wells shall be in place and sampled prior to placement of waste in the newly constructed cells. All new and existing wells shall be sampled semi-annually, as required in the MPIS.

The information submitted on September 18 and November 13, 2007, on file at the Central District office, is made a part of the subject permits. The documents are listed in Appendix A.

All other conditions and expiration date (January 11, 2012) of the subject permits remain unchanged.

This letter must be attached to Permit Nos. SC49-0199726-004 and SO49-0199726-005. The new Permit Nos. are SC49-0199726-006 and SO49-0199726-007.

Sincerely,

Vivian F. Garfein
Director, Central District

Date: _____

FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to Section 120.52, F. S., with the designated Department Clerk, receipt of which is hereby acknowledged.

Clerk

Date

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT and all copies were mailed before the close of business on _____ to the listed persons.

Clerk

VFG/gc/ew

Appendices:

- A. List of Documents that are considered part of the Permit
- B. Submittal Requirements in Specific Conditions of the Permit

Exhibit:

- I. Monitoring Plan Implementation Schedule (MPIS), dated January 25, 2008

Appendix A
List of Documents that are considered part of the Permit

1. Major Modification Application For Vertical Expansion Of The J.E.D. Solid Waste Management Facility, Phases 1 Through 3, Vol. 1 and 2 of 2, Prepared by Geosyntec Consultants, Tampa, Florida dated September 2007. Received and stamped September 18, 2007, Central District – DEP.
2. J.E.D. Solid Waste Management Facility Vertical Expansion Permit Drawings, Phases 1 Through 3 dated September 2007. Received and stamped September 18, 2007, Central District – DEP.
3. Request For Additional Information from DEP – Central District, dated October 17, 2007.
4. Response to RAI #1, J.E.D. Solid Waste Management Facility, Prepared by Geosyntec Consultants, Tampa, Florida dated November 12, 2007. Received and stamped November 13, 2007, Central District – DEP.
5. Renewal Permit Application To Construct And Operate Phases 2 and 3 Of The Oak Hammock Disposal Facility, Prepared by Geosyntec Consultants, Tampa, Florida dated September 2006. Received and stamped September 12, 2006, Central District – DEP.
6. Oak Hammock Disposal Facility, Phases 2 and 3 Renewal Permit Drawings dated September 2006. Received and stamped September 12, 2006, Central District – DEP.
7. Application For A Permit To Construct And Operate A Class I Landfill, Prepared for Omni Waste of Osceola County, LLC, Volumes 1, 2 and 3 of 3, Prepared by Geosyntec Consultants, Tampa, Florida dated May 2002. Received and stamped May 24, 2002, Central District – DEP.
8. Permit Drawings for Oak Hammock Disposal, Prepared by Geosyntec Consultants dated May 2002. Received and stamped May 24, 2002, Central District – DEP.

APPENDIX B (Revised 2/8/2008)

**Submittal requirements in Specific Conditions of the Permit
Modifications DEP Permit #SC49-0199726-006, #SO49-0199726-007, and #SC49-0199726-008
to Permit Nos. DEP Permit #SC49-0199726-004 and #SO49-0199726-005**

Specific Condition	Requirement	Action	Due date
8	Equipment Breakdown	Notify the Department of equipment breakdown, malfunction, etc.	Immediately upon discovery
14	Monitoring Plan Implementation Schedule (MPIS)	Notify the Department if an exceedance is confirmed, or if the permittee chooses not to resample following an exceedance	Within 14 days of this finding
14	Monitoring Plan Implementation Schedule (MPIS)	Collect and analyze initial samples from groundwater monitoring well clusters MW-16, MW-17, MW-18, MW-19, MW-20, MW-21, MW-22 and MW-23	Before any waste is deposited in Cells 2 and 3
14	Monitoring Plan Implementation Schedule (MPIS)	Collect and analyze samples from the 63 groundwater monitoring wells	Semi-annually (May and November)
14	Monitoring Plan Implementation Schedule (MPIS)	Measure and report ground water levels in all wells, whether sampled or not	Semi-annually unless required more frequently by permit condition
14	Monitoring Plan Implementation Schedule (MPIS)	Measure and report ground water levels in all wells, whether sampled or not	Within a one day period
14	Monitoring Plan Implementation Schedule (MPIS)	Collect and analyze samples from the two (2) surface water monitoring sites	Semi-annually (May and November)
14	Monitoring Plan Implementation Schedule (MPIS)	Measure and report surface water elevations at sampling locations	On the same day as ground water levels in the wells. Semi-annually unless required more frequently by permit condition
14	Monitoring Plan Implementation Schedule (MPIS)	Measure and report surface water levels	Within a one day period
14	Monitoring Plan Implementation Schedule (MPIS)	Collect and analyze samples from leachate sample points L-1, L-2, L-3, L-4, L-5, L-6, L-7, L-8, L-9 and L-10	Annually (November)

APPENDIX B (Revised 2/8/2008)

Submittal requirements in Specific Conditions of the Permit

Modifications DEP Permit #SC49-0199726-006, #SO49-0199726-007, and #SC49-0199726-008 to Permit Nos. DEP Permit #SC49-0199726-004 and #SO49-0199726-005

Specific Condition	Requirement	Action	Due date
14	Monitoring Plan Implementation Schedule (MPIS)	Collect and analyze samples from leachate sample points L-1, L-2, L-3, L-4, L-5, L-6, L-7, L-8, L-9 and L-10.	Monthly if the annual analysis indicated that a contaminant exceeds the regulatory level
14	Monitoring Plan Implementation Schedule (MPIS)	Commence installation of new monitoring well clusters MW-16, MW-17, MW-18, MW-19, MW-20, MW-21, MW-22 and MW-23	Within 90 days from the date of permit issuance
14	Monitoring Plan Implementation Schedule (MPIS)	Notify the Department in writing if a monitoring well becomes damaged or inoperable	Within 7 days of discovery
14	Monitoring Plan Implementation Schedule (MPIS)	Submit proposed well construction design for new or replacement monitoring well design or placement	Prior to well installation
14	Monitoring Plan Implementation Schedule (MPIS)	Submit an abandonment plan for abandoning any well that is unsuitable for ground water monitoring	Prior to abandonment
14	Monitoring Plan Implementation Schedule (MPIS)	Notify the Department prior to the installation and/or sampling of any monitoring well(s)	At least fourteen (14) days prior to sampling
14	Monitoring Plan Implementation Schedule (MPIS)	Submit a drawing showing the location of all monitoring wells (active and abandoned), water bodies and waste filled areas	Within thirty (30) days following monitoring well installation
14	Monitoring Plan Implementation Schedule (MPIS)	Measure the total depth on all wells	At time of permit renewal

APPENDIX B (Revised 2/8/2008)

Submittal requirements in Specific Conditions of the Permit

**Modifications DEP Permit #SC49-0199726-006, #SO49-0199726-007, and #SC49-0199726-008
to Permit Nos. DEP Permit #SC49-0199726-004 and #SO49-0199726-005**

Specific Condition	Requirement	Action	Due date
14	Monitoring Plan Implementation Schedule (MPIS)	Submit Monitoring Reports	Within sixty (60) days of receipt of analysis from the laboratory
14	Monitoring Plan Implementation Schedule (MPIS)	Submit a ground water elevation contour map for each monitored aquifer zone	Semi-annually
14	Monitoring Plan Implementation Schedule (MPIS)	Submit a Biennial Technical Report	Every two years; the first report is due 30 days after the submittal of the monitoring data for the fourth ground water sampling event; subsequent reports are due 30 days after the submittal of the fourth sampling event following the previous biennial report
15	Construction Quality Assurance (CQA)	Follow the CQA Plan when installing and testing the liner system and related components	During liner construction
16	Liner Installation-Summary Report	Submit a Liner Installation-Summary Report, and include with the Certification in SC-23	Upon completion of liner installation work
19	Liner Installation-Department Notification	Notify the Department	At least 10 days prior to the commencement of liner installation work in any cell

22	Construction Permit Renewal (Permit expires on 01/11/2012)	Notify the Department, in writing, if construction cannot be completed before the expiration of this permit, and apply for renewal of the construction permit	At least 60 days prior to the expiration date of the construction permit (before 11/12/2011)
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APPENDIX B (Revised 2/8/2008)

Submittal requirements in Specific Conditions of the Permit

**Modifications DEP Permit #SC49-0199726-006, #SO49-0199726-007, and #SC49-0199726-008
to Permit Nos. DEP Permit #SC49-0199726-004 and #SO49-0199726-005**

Specific Condition	Requirement	Action	Due date
23	Certification	Submit a Certification of Construction Completion certified by the Engineer of Record, then contact the Department to arrange for Department representatives to inspect the facility with the permittee, the engineer, and the proposed on-site facility operator.	After all significant initial construction has been completed, and prior to acceptance of any solid waste
27	Solid Waste Burning	Report to the Department fires at the facility	In accordance with the operation plan.
27	Solid Waste Burning	Submit a letter explaining the cause, remedial action, and measures to prevent recurrence of a fire incident	Within five (5) days of fire incident.
34	Leachate Collection Pipes	Clean the leachate collection pipes	Every five years
34	Leachate Collection Pipes	Clean and video-inspect the leachate collection system	More frequently than once every five years if leachate collection system fails to perform as designed
38	Control of Nuisance Conditions	Prepare and submit a written report on each warranted complaint describing the action to resolve the complaint	Within 10 days of receiving the complaint
38	Control of Nuisance Conditions	Submit an additional report if complaint has not been resolved within 10 days	No later than 10 days from the date of resolution

APPENDIX B (Revised 2/8/2008)

Submittal requirements in Specific Conditions of the Permit

**Modifications DEP Permit #SC49-0199726-006, #SO49-0199726-007, and #SC49-0199726-008
to Permit Nos. DEP Permit #SC49-0199726-004 and #SO49-0199726-005**

Specific Condition	Requirement	Action	Due date
43	Initial Cover and Intermediate Cover	Apply initial cover on the working face	At the end of each working day, unless solid waste will be placed on it within 18 hours
43	Initial Cover and Intermediate Cover	Apply intermediate cover	Within seven (7) days of cell completion if final cover or additional lift is not to be applied within 180 days of cell completion
50	Gas Monitoring	Submit Gas Monitoring Reports	Quarterly; within 30 days of receipt of data
53	Waste Report	Submit a waste report	Quarterly
55	Permit Deviations	Notify the Department of any substantial changes or revisions to the operation	Prior to executing any substantial changes or revisions to the operation
56	Operation Permit Renewal (Permit expires on 01/11/2012)	Submit an operation permit renewal application	At least 60 days prior to the expiration date of this permit (before 11/12/2011)
57	Closure Permit Requirements	Submit a closure permit application	At least 90 days prior to the date when wastes will no longer be accepted at the landfill
59	Financial Assurance, Phase 1 and Phase 2, Cell 5	Update the financial assurance mechanism	At least 60 days prior to accepting waste in Phase 2, Cell 5
60	Modification #SC49 - 0199726-008: Phased Financial Assurance Cell 6	Submit a minor permit modification request to the Department that includes the Certificate of Construction Completion for Cell 6, a financial assurance cost estimate, and the financial mechanism for Cell 6	Before solid waste is placed in Cell 6 for disposal

		acceptable to the Department.	
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APPENDIX B (Revised 2/8/2008)

Submittal requirements in Specific Conditions of the Permit

Modifications DEP Permit #SC49-0199726-006, #SO49-0199726-007, and #SC49-0199726-008 to Permit Nos. DEP Permit #SC49-0199726-004 and #SO49-0199726-005

Specific Condition	Requirement	Action	Due date
61	Financial Responsibility	Submit proof that the financial mechanisms are established and funded	Sixty (60) days prior to the acceptance of any solid waste at the facility
62	Annual Cost Estimates and Financial Instrument Adjustments	Adjust the closure and long-term care cost estimates, and the financial assurance mechanism	Submit between January 1 and March 1 of each year; if using an escrow account submit between July 1 and September 1 of each year
66	Modification #SC49-0199726-008 <u>Phased Financial Assurance for Cells 7-10</u>	Apply for and receive a minor permit modification authorizing the disposal actions. The modification must include the Certificate of Construction Completion for the particular cell(s), updated closure and long-term care cost estimates, and financial assurance that meet the requirements of Rule 62-701.630, F.A.C.	Before solid waste disposal can proceed in any other portion of the permitted disposal area (Cells 7-10)
A through K	Construction Permit Renewal (Permit expires on 01/11/2012)	Notify the Department, in writing, if construction cannot be completed before the expiration of this permit, and apply for renewal of the construction permit	At least 60 days prior to the expiration date of the construction permit (before 11/12/2011)
C, D, E, F	Certification	Submit a Certification of Construction Completion certified by the Engineer of Record, then contact the Department to arrange for Department representatives to inspect the facility with the permittee, the engineer, and the proposed on-site facility operator.	After all significant initial construction has been completed, and prior to acceptance of any solid waste

APPENDIX B (Revised 2/8/2008)

Submittal requirements in Specific Conditions of the Permit

**Modifications DEP Permit #SC49-0199726-006, #SO49-0199726-007, and #SC49-0199726-008
to Permit Nos. DEP Permit #SC49-0199726-004 and #SO49-0199726-005**

D, E	Equipment Breakdown	Notify the Department of equipment breakdown, malfunction, etc.	Immediately upon discovery
F	Liner Installation- Department Notification	Notify the Department	At least 10 days prior to the commencement of liner installation work in any cell
G	Liner Installation-Summary Report	Submit a Liner Installation-Summary Report, and include with the Certification in SC-23	Upon completion of liner installation work
K	Technical Specifications	Notify and seek approval of the Department for any substantial changes or revisions to the specifications	Prior to executing any substantial changes or revisions.
L	Construction Quality Assurance (CQA)	Follow the Revised CQA Plan (Appendix K) when installing and testing the liner system and related components	During Phase I through 3 construction

EXHIBIT I
J.E.D. Solid Waste Management Facility (JED), CLASS I LANDFILL

WACS_FACILITY: 89544

MONITORING PLAN IMPLEMENTATION SCHEDULE
(REVISED 1/25/2008)

GENERAL

1. The permittee must initiate implementation of this Monitoring Plan within ninety (90) days from the date of permit issuance. [62-701.510(1)(b)&(c), 62-522.600(5), *Florida Administrative Code (F.A.C.)*]
2. The field testing, sample collection and preservation and laboratory testing, including quality control procedures, shall be in accordance with Chapter 62-160 Florida Administrative Code (F.A.C.). Approved methods as published by the Department or as published in Standard Methods, ASTM, or EPA Methods shall be used. [62-701.510(2)(b), *F.A.C.*]
3. The organization collecting samples at this site must use the Field and Laboratory Standard Operating Procedures (DEP-SOP-001/01) in Chapter 62-160, F.A.C. Sampling personnel must have a copy of the SOP for purging and sampling in the field when sampling and must be knowledgeable of its contents, procedures, and forms. The laboratory designated to conduct the chemical analyses must be certified by the Florida Department of Health Environmental Laboratory Certification Program (DoH ELCP). This Certification must be for the test method and analyte(s) that are reported. [62-160.210(1), 62-160.320(1), *F.A.C.*]

NOTE: DEP-SOP-001/01 can be accessed at: <http://www.dep.state.fl.us/labs/ga/sops.htm>

4. Based on the first biennial sampling data, the Department accepts as background the following levels for ammonia and arsenic for the specific wells noted:

Well Name	Ammonia mg/L	Arsenic mg/L
MW-5A	10	
MW-9A	10	
MW-10A	10	
MW-11A	10	20
MW-13A		20

If, at any time, analyses detect parameters which are significantly above background water quality, or which are at levels above the Department's water quality standards or criteria specified in Chapter 62-520, F.A.C., in the detection wells or at the edge of the Zone of Discharge, the Permittee, to confirm the data, shall resample the wells within thirty (30) days of receipt of the sampling data. Should the permittee choose not to resample, the Department will consider the water quality analysis as representative of current ground water conditions at the facility. The permittee must notify the Department within 14 days of receipt of the sampling data whether the original data will be accepted as representative of current ground water conditions or whether resampling will be accomplished to confirm the data. [62-701.510(7)(a), *F.A.C.*]

If the resampling event detects parameters which are significantly above background water quality, or which are at levels above the Department's water quality standards or criteria specified in Chapter 62-520, F.A.C., the Permittee shall notify the Department in writing within 14 days of receipt of the sampling data. Confirmed data must be submitted to the Department within 60 days from completion of lab analyses. Use "CONF" (for confirmation data) in the report type column. [62-701.510(7)(a), F.A.C.]

Upon notification by the Department, the permittee shall initiate evaluation monitoring in accordance with Rule 62-701.510(7) F.A.C. [62-701.730(4)(b), 62-701.510(7)(a), F.A.C.]

GROUND WATER QUALITY MONITORING

5. The sixty-three (63) ground water monitoring wells designated for water quality testing are listed on **Attachment A** and are shown on **Attachment B**. The sixty-three (63) wells and piezometers for water level measurements are listed on **Attachment A** and shown on **Attachment B**. [62-701.510(3)(d)2 & 3, F.A.C.]

NOTE: Unless otherwise approved by the Department, wells with high turbidities must be remediated or reinstalled to reduce the turbidity value to less than 20 NTU prior to sample collection. Should any ground water sample exhibit dissolved oxygen concentrations greater than 20% of oxygen saturation at the field measured temperature, the sampled well must be repurged then resampled as soon as an acceptable dissolved oxygen value has been attained unless it can be demonstrated that in situ ground water contains higher levels of dissolved oxygen. All water quality analyses will be performed on unfiltered samples unless approved by the Department.

6. Semi-annual samples from the sixty-three (63) ground water monitoring wells shall be collected in **May** and **November**. The samples shall be analyzed for the list of Semi-Annual Ground Water Parameters on **Attachment E**. [62-701.510(6)(d), F.A.C.]

Please confer with your consultant and analytical laboratory prior to sampling to ensure the analytical method is capable of achieving detection limits at or below the Ground Water Cleanup Target Levels (GCTLs) in Chapter 62-777, F.A.C. GCTLs are used as screening tools and interim guidelines for ground water minimum criteria until standards are promulgated.

7. Ground water levels in all wells, whether sampled or not, and all piezometers must be measured to the nearest 0.01 foot and reported semiannually unless required more frequently by permit condition. All water level measurements must be made within a one-day period. These measurements must be referenced to the National Geodetic Vertical Datum of 1929 (NGVD). [62-701.510(9)(a)8, F.A.C.]

SURFACE WATER MONITORING

8. The two (2) surface water sites included in this monitoring plan are SW-3 and SW-4. They are listed on **Attachment A** and shown on **Attachment C**. [62-701.510(4)(c), F.A.C.]
9. Semi-annual samples from the two (2) surface water monitoring sites shall be collected in **May** and **November**. The samples shall be analyzed for the list of Semi-Annual Surface Water Parameters on **Attachment F**. [62-701.510(6)(e), F.A.C.]

Please confer with your consultant and analytical laboratory prior to sampling to ensure the analytical method is capable of achieving detection limits at or below the Surface Water Cleanup Target Levels (SWCTLs) in Chapter 62-777, F.A.C. SWCTLs are used as screening tools and interim guidelines for ground water minimum criteria until standards are promulgated.

10. Surface water elevations at sampling locations and must be measured to the nearest 0.01 foot on the same day as ground water levels in the wells and piezometers and reported semiannually unless required more frequently by permit condition. All water level measurements must be made within a one-day period. These measurements must be referenced to NGVD. [62-701.510(9)(a)8, F.A.C.]

LEACHATE QUALITY MONITORING

11. The sites designated for leachate quality testing are L-1, L-2, L-3, L-4, L-5, L-6, L-7, L-8, L-9 and L-10. The sites are listed on **Attachment A** and shown on **Attachment B**. [62-701.510(5), F.A.C.]
12. Samples from the leachate monitoring sites shall be collected annually in **November**. The samples shall be analyzed for the list of Annual Leachate Parameters on **Attachment G**. If the annual analysis indicates that a contaminant listed in 40 CFR Part 261.24 exceeds the regulatory level listed therein, the permittee shall initiate monthly sampling and analysis and shall notify the Department in writing. If in any three consecutive months no listed contaminant is found to exceed the regulatory level, the permittee may discontinue the monthly sampling and analysis and return to an annual sampling schedule. [62-701.510(6)(c), F.A.C.]

MONITORING WELL REQUIREMENTS

13. If a monitoring well or piezometer becomes damaged or inoperable, the Permittee shall notify the Department in writing within seven (7) days. The written report shall describe what problem has occurred and the remedial measures that have been taken to prevent a recurrence. The Department can require the replacement of inoperable monitoring wells or piezometers. [62-4.070(3), F.A.C.]
14. New or replacement monitoring well design or placement must be approved by the Department. Proposed well construction details based on site-specific

borings must be submitted with all supporting data (grain size distribution analyses, in-situ hydraulic conductivity testing, depth to water, etc.) for Department approval prior to well installation. Use of hollow stem auger equipment is recommended. Other drilling methods must be approved by the Department prior to well installation. [62-522.600(3), F.A.C.]

15. All wells and piezometers shall be clearly and permanently labeled and the well site maintained so that the well is visible at all times. Protective barriers must be installed at all wells that may be subject to damage by heavy equipment or traffic. [62-701.510(3)(d)2, F.A.C.]
16. An abandonment plan for abandoning any well that is unsuitable for ground water monitoring or for any piezometer must be approved by the Department prior to abandonment. [62-701.510(3)(d)5, F.A.C.]

REPORTING REQUIREMENTS

FIELD ACTIVITIES

17. The Department must be notified in writing, hard copy or e-mail, at least fourteen (14) days prior to the installation and/or sampling of any monitoring well(s). [62-701.510(9)(a), F.A.C.]

MONITORING WELL COMPLETION

18. One (1) paper copy and one (1) electronic copy of **Attachment H**, Monitoring Well Completion Report Form (as modified by the Central District), and required attachments (construction diagram and lithologic log) must be submitted to the Department within thirty (30) days after installation of any new monitoring well. [62-701.510(3)(d)1, 62-532.410, F.A.C.]

SURVEYING

19. One (1) paper copy and one (1) electronic copy of a drawing must be submitted within thirty (30) days following monitoring well installation showing the location of all monitoring wells (active and abandoned), water bodies and waste filled areas. The location of features on the drawing must be horizontally and vertically located by standard surveying techniques. The drawing shall include all monitoring well locations, each monitoring well name and identification (WACS) number, the top of casing, pad elevation, permanent benchmark(s) and/or corner monument marker(s) referenced to NGVD with an accuracy of 0.01 feet. The latitude and longitude of each well in degrees, minutes and seconds, to two (2) decimal places, with an accuracy of 15 feet, must be determined and provided on the drawing. The survey shall be conducted and certified by a Florida Licensed Surveyor and Mapper. [62-701.510(1)(c)&(3)(d)1, F.A.C.]

If a monitoring well is being replaced or new wells are being added to an existing ground water monitoring plan, only the new wells needs to be surveyed as long as all other monitoring wells in the MPIS have been surveyed and certified by a Florida Licensed Surveyor and Mapper and there is no reason to believe that the

elevations have changed. This location and elevation determinations and the certification must be provided with the Monitoring Well Completion Form for the new well,.

DEPTH MEASUREMENTS

20. A total depth measurement must be made on all wells at time of permit renewal. This measurement is to be reported on one (1) paper copy and one (1) electronic copy as total apparent depth below ground surface and should be compared to the original total depth of the well. [62-701.510(1)(c), F.A.C.]

INITIAL, ANNUAL AND SEMI-ANNUAL

21. Required monitoring reports must be submitted to the Department within sixty (60) days from completion of lab analyses. The report must include the following:
- Cover letter.
 - Summary of exceedance and recommendation.
 - Ground water contour maps
 - Chain of custody.
 - Water levels-water elevation table.
 - Lab quality control report.
 - Attachment I**, Ground Water Monitoring Report Certification.
 - Attachment J**, Groundwater Sampling Log.

One (1) paper copy and one (1) electronic copy of the monitoring report shall be submitted. The electronic copy must be on a compact disc (CD) that is readable by Microsoft Office. The CD should contain the following:

A copy of the monitoring report

A copy of the electronic data in Excel tab delimited format

A copy of the electronic data in PDF format to insure the integrity of the data

The required electronic data is listed on

ftp://ftp.dep.state.fl.us/pub/labs/labs/validator/validator_fields.pdf.

To decrease the need for resubmittal you may evaluate data prior to submittal at

<http://www.floridadep.org/labs/software/index.htm>.

A sample text file may be viewed at

<http://www.floridadep.org/labs/software/docs/sampleddata.txt>

Interpretative documents such as exceedance recommendations and/or contour maps must be signed and sealed by a professional licensed in state of Florida whose expertise is related to the document.

[62-701.510(9)(a), 62-160.800(1)9, &62-4.070(3), F.A.C.]

WATER ELEVATIONS

22. Water levels in all monitoring wells, whether sampled or not, all piezometers and all surface water sites must be measured to the nearest 0.01 foot and reported

semi-annually unless required more frequently by permit condition. All water level measurements must be made within a one-day period. These measurements should be reported in a table that includes well or surface water point name, date water level measured, measuring point elevation referenced to NGVD, depth to water and calculated water level elevation referenced to NGVD. [62-701.510(9)(a)8, F.A.C.]

GROUND WATER CONTOUR MAPS

23. Ground water elevation contour maps for each monitored aquifer zone must be submitted semi-annually to the Department. Ground water elevation contour map(s) should include monitoring well and piezometer locations, ground water elevation at each monitoring well or piezometer location referenced to NGVD, a bar scale, ground water contour interval, date of measurement and ground water flow direction. The map(s) must incorporate adjacent and on-site surface water elevations where appropriate. These maps shall be signed and sealed pursuant to Florida Statutes (F.S.) Chapters 471 and 492 which require that documents requiring the practice of professional engineering or professional geology, as described in Chapter 471 or 492, F.S., be signed and sealed by the professional(s) who prepared or approved them. This certification must be made by a licensed professional who is able to demonstrate competence in this subject area. [62-701.510(9)(a)9, F.A.C.]

BIENNIAL REPORT

24. One (1) paper and one (1) electronic copy of a technical report shall be submitted to the Department every two years, and shall be updated at the time of permit renewal. The first report is due 30 days after the submittal of the monitoring data for the fourth ground water sampling event. Subsequent reports are due 30 days after the submittal of the fourth sampling event following the previous biennial report. The report shall summarize and interpret the water quality data and water level measurements collected during the past four years. The report shall contain, at a minimum, the following:
- a. Tabular and graphical displays of any data that shows that a monitoring parameter has been detected, including hydrographs for all monitoring wells.
 - b. Trend analyses of any monitoring parameters detected.
 - c. Comparisons among shallow, middle, and deep zone wells.
 - d. Comparison between upgradient and downgradient wells.
 - e. Correlation between related parameters such as total dissolved solids and specific conductance.
 - f. Discussion of erratic and/or poorly correlated data.
 - g. An interpretation of the ground water contour maps, including an evaluation of ground water flow rates.
 - h. An evaluation of the adequacy of the water quality monitoring frequency and sampling locations based upon site conditions.

This report must be signed and sealed pursuant to Florida Statutes (F.S.)

J.E.D. Class I Landfill
Osceola County

Chapters 471 and 492 which require that documents requiring the practice of professional engineering or professional geology, as described in Chapter 471 or 492, F.S., be signed and sealed by the professional(s) who prepared or approved them. This certification must be made by a licensed professional who is able to demonstrate competence in the subject area(s) addressed within the sealed document. [62-701.510(9)(b), F.A.C.]

List of Attachments

- Attachment A – Monitoring Sites
- Attachment B – Ground Water Monitoring Locations Map
- Attachment C – Surface Water Monitoring Location Map
- Attachment D - Initial Ground Water Monitoring
- Attachment E - Semi-annual Ground Water Monitoring
- Attachment F - Semi-annual Surface Water Monitoring
- Attachment G – Annual Leachate Monitoring
- Attachment H - Monitoring Well Completion Report
- Attachment I - Ground Water Monitoring Report Certification
- Attachment J - Water Sampling Log

ATTACHMENT A
J.E.D. DISPOSAL, CLASS I LANDFILL
WACS_FACILITY: 89544
MONITORING SITES

	Monitoring Site Number	WACS Well	Well Type	Zone/ Screen	GW/SW Class	WACS Report Type
	Ground Water					
1.	MW-1A	19900	PZ	Upper Surficial	G-II	WATER ELEV
2.	MW-1B	19901	PZ	Intermediate Surficial	G-II	WATER ELEV
3.	MW-1C	19902	PZ	Deep Surficial	G-II	WATER ELEV
4.	MW-2A	19903	BG	Upper Surficial	G-II	SEMGW
5.	MW-2B	19904	BG	Intermediate Surficial	G-II	SEMGW
6.	MW-2C	19905	BG	Deep Surficial	G-II	SEMGW
7.	MW-3A	19906	BG	Upper Surficial	G-II	SEMGW
8.	MW-3B	19907	BG	Intermediate Surficial	G-II	SEMGW
9.	MW-3C	19908	BG	Deep Surficial	G-II	SEMGW
10.	MW-4A	19909	BG	Upper Surficial	G-II	SEMGW
11.	MW-4B	19910	BG	Intermediate Surficial	G-II	SEMGW
12.	MW-4C	19911	BG	Deep Surficial	G-II	SEMGW
13.	MW-5A	19912	BG	Upper Surficial	G-II	SEMGW
14.	MW-5B	19913	BG	Intermediate Surficial	G-II	SEMGW
15.	MW-5C	19914	BG	Deep Surficial	G-II	SEMGW
16.	MW-6A	19915	PZ	Upper Surficial	G-II	WATER ELEV
17.	MW-6B	19916	PZ	Intermediate Surficial	G-II	WATER ELEV
18.	MW-6C	19917	PZ	Deep Surficial	G-II	WATER ELEV
19.	MW-7A	19918	DE	Upper Surficial	G-II	SEMGW
20.	MW-7B	19919	DE	Intermediate Surficial	G-II	SEMGW
21.	MW-7C	19920	DE	Deep Surficial	G-II	SEMGW
22.	MW-8A	19921	DE	Upper Surficial	G-II	SEMGW
23.	MW-8B	19922	DE	Intermediate Surficial	G-II	SEMGW
24.	MW-8C	19923	DE	Deep Surficial	G-II	SEMGW
25.	MW-9A	19924	DE	Upper Surficial	G-II	SEMGW
26.	MW-9B	19925	DE	Intermediate Surficial	G-II	SEMGW
27.	MW-9C	19926	DE	Deep Surficial	G-II	SEMGW
28.	MW-10A	19927	DE	Upper Surficial	G-II	SEMGW
29.	MW-10B	19928	DE	Intermediate Surficial	G-II	SEMGW
30.	MW-10C	19929	DE	Deep Surficial	G-II	SEMGW
31.	MW-11A	19930	DE	Upper Surficial	G-II	SEMGW
32.	MW-11B	19931	DE	Intermediate Surficial	G-II	SEMGW
33.	MW-11C	19932	DE	Deep Surficial	G-II	SEMGW
34.	MW-12A	19933	DE	Upper Surficial	G-II	SEMGW
35.	MW-12B	19934	DE	Intermediate Surficial	G-II	SEMGW
36.	MW-12C	19935	DE	Deep Surficial	G-II	SEMGW
37.	MW-13A	19936	DE	Upper Surficial	G-II	SEMGW
38.	MW-13B	19937	DE	Intermediate Surficial	G-II	SEMGW
39.	MW-13C	19938	DE	Deep Surficial	G-II	SEMGW
40.	MW-16A	22342	DE	Upper Surficial	G-II	SEMGW
41.	MW-16B	22343	DE	Intermediate Surficial	G-II	SEMGW
42.	MW-16C	22344	DE	Deep Surficial	G-II	SEMGW
43.	MW-17A	22345	DE	Upper Surficial	G-II	SEMGW
44.	MW-17B	22346	DE	Intermediate Surficial	G-II	SEMGW
45.	MW-17C	22347	DE	Deep Surficial	G-II	SEMGW
46.	MW-18A	22348	DE	Upper Surficial	G-II	SEMGW
47.	MW-18B	22349	DE	Intermediate Surficial	G-II	SEMGW
48.	MW-18C	22350	DE	Deep Surficial	G-II	SEMGW
49.	MW-19A	22351	DE	Upper Surficial	G-II	SEMGW
50.	MW-19B	22352	DE	Intermediate Surficial	G-II	SEMGW

ATTACHMENT A
J.E.D. DISPOSAL, CLASS I LANDFILL
WACS_FACILITY: 89544
MONITORING SITES

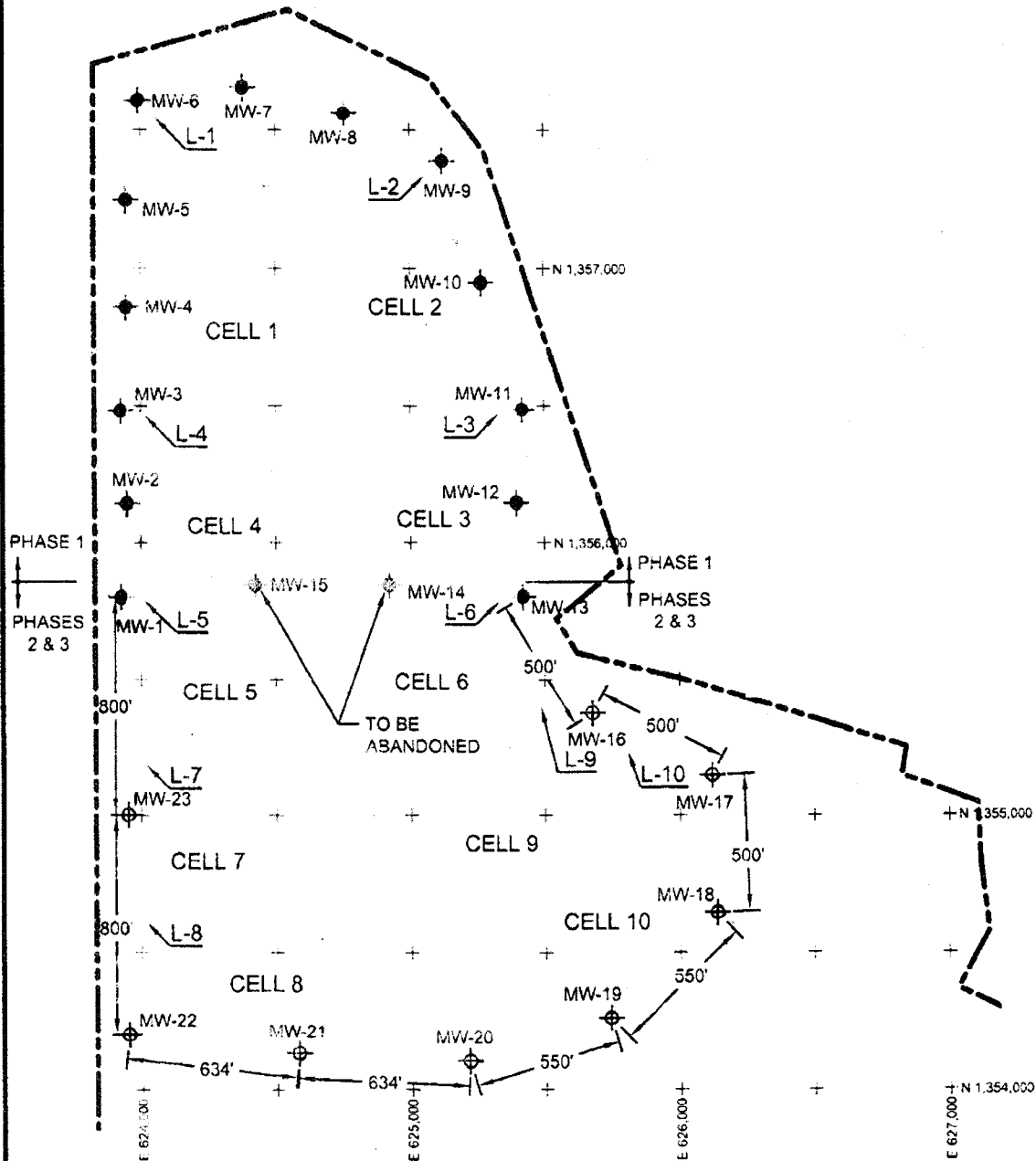
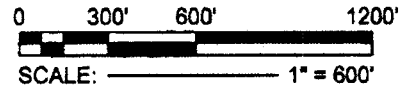
51.	MW-19C	22353	DE	Deep Surficial	G-II	SEMGW
52.	MW-20A	22354	DE	Upper Surficial	G-II	SEMGW
53.	MW-20B	22355	DE	Intermediate Surficial	G-II	SEMGW
54.	MW-20C	22356	DE	Deep Surficial	G-II	SEMGW
55.	MW-21A	22357	DE	Upper Surficial	G-II	SEMGW
56.	MW-21B	22358	DE	Intermediate Surficial	G-II	SEMGW
57.	MW-21C	22359	DE	Deep Surficial	G-II	SEMGW
58.	MW-22A	22360	BG	Upper Surficial	G-II	SEMGW
59.	MW-22B	22361	BG	Intermediate Surficial	G-II	SEMGW
60.	MW-22C	22362	BG	Deep Surficial	G-II	SEMGW
61.	MW-23A	22363	BG	Upper Surficial	G-II	SEMGW
62.	MW-23B	22364	BG	Intermediate Surficial	G-II	SEMGW
63.	MW-23C	22365	BG	Deep Surficial	G-II	SEMGW
	SURFACE WATER					
1.	SW-3	19945	CO	Down Stream On Bull Creek	SW-IIIF	SEMSW
2.	SW-4	19946	BG	Up Stream Nw Of Site	SW-IIIF	SEMSW
	LEACHATE					
1.	L-1	19947	CO	Cell 1 Primary Riser	LC	ANNLC
2.	L-2	19948	CO	Cell 2 Primary Riser	LC	ANNLC
3.	L-3	19949	CO	Cell 3 Primary Riser	LC	ANNLC
4.	L-4	19950	CO	Cell 4 Primary Riser	LC	ANNLC
5.	L-5	22369	CO	Cell 5 Primary Riser	LC	ANNLC
6.	L-6	22370	CO	Cell 6 Primary Riser	LC	ANNLC
7.	L-7	22371	CO	Cell 7 Primary Riser	LC	ANNLC
8.	L-8	22372	CO	Cell 8 Primary Riser	LC	ANNLC
9.	L-9	33273	CO	Cell 9 Primary Riser	LC	ANNLC
10.	L-10	22374	CO	Cell 10 Primary Riser	LC	ANNLC

Well Type Codes	(AS) Assessment	(BG) Background	(CO) Compliance	(DE) Detection
(DG) Downgradient	(IM) Intermediate	(IW) Irrigation Well	(OT) Other	(PZ) Piezometer
(SO) Source	(UP) Upgradient	(WS) Water supply		

ATTACHMENT B

NOTES:

1. NORTHING AND EASTING COORDINATES SHOWN REPRESENT FLORIDA STATE PLANE EAST ZONE NORTH AMERICAN DATUM OF 1983 (NAD83).
2. THE ELEVATIONS SHOWN REPRESENT NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29) (FEET).



LEGEND

MW-1 EXISTING GROUNDWATER MONITORING WELL LOCATION

MW-16



L-1 LEACHATE SAMPLE LOCATION

(LEACHATE SAMPLES WILL BE OBTAINED FROM THE PRIMARY LEACHATE SUMP OF EACH WELL.)

LAYOUT OF PHASES 1 THROUGH 3
GROUNDWATER MONITORING WELLS
AND LEACHATE SAMPLING LOCATIONS



GeoSYNTEC CONSULTANTS

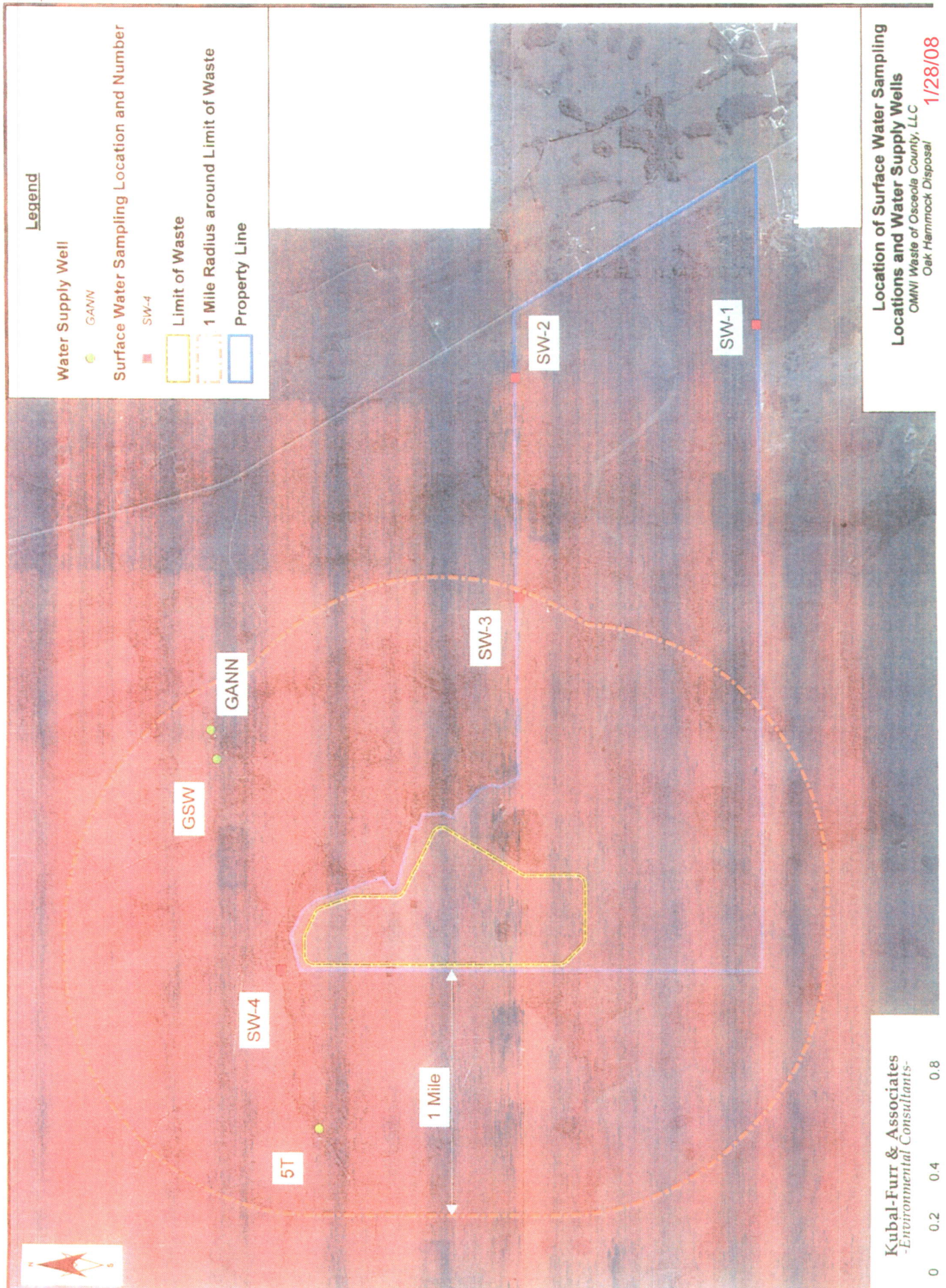
TAMPA, FLORIDA

PROJECT NO. FL0916.02

DATE. 27 SEPT 2006

FILE NO. FL0916.02F002

1/28/2008



ATTACHMENT D

J.E.D. DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rules 62-701.510 (8)(b) & 62-701.510(6)(b)3, F.A.C.

WACS Report Type: INTGW

Initial Ground Water Monitoring (Page 1 of 10)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: ____ (AS) Assessment (IW) Irrigation Well

WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
082545	Water Elevation (NGVD)							Ft	
000010	Temperature (field)							deg C	
000299	Dissolved Oxygen (field)							Mg/L	
000406	pH (field)							STD	
000094	Spec. Conductance (field)							Umhos/cm	
082078	Turbidity (field)							NTU	
000610	Total Ammonia as N							Mg/L	
000940	Chlorides							Mg/L	
000720	Cyanide							Ug/L	
000620	Nitrate as N							Mg/L	
000745	Sulfide							Ug/L	
070300	Total Dissolved Solids							Mg/L	
	<u>METALS</u>								
001097	Antimony							Ug/L	
001002	Arsenic							Ug/L	
001007	Barium							Ug/L	
001012	Beryllium							Ug/L	
001027	Cadmium							Ug/L	
001034	Chromium							Ug/L	
001037	Cobalt							Ug/L	
001042	Copper							Ug/L	
001045	Iron							Ug/L	
001051	Lead							Ug/L	
071900	Mercury							Ug/L	

ATTACHMENT D

J.E.D. DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rules 62-701.510 (8)(b) & 62-701.510(6)(b)3, F.A.C.

WACS Report Type: INTGW

Initial Ground Water Monitoring (Page 2 of 10)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: ____ (AS) Assessment (IW) Irrigation Well

WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
001067	Nickel							Ug/L	
001147	Selenium							Ug/L	
001077	Silver							Ug/L	
000929	Sodium							Mg/L	
001059	Thallium							Ug/L	
001102	Tin							Ug/L	
001087	Vanadium							Ug/L	
001092	Zinc							Ug/L	
	ORGANICS								
034205	Acenaphthene							Ug/L	
034200	Acenaphthylene							Ug/L	
081552	Acetone							Ug/L	
076997	Acetonitrile; Methyl cyanide							Ug/L	
081553	Acetophenone							Ug/L	
073501	2-Acetylaminofluorene; 2-AAF							Ug/L	
034210	Acrolein							Ug/L	
034215	Acrylonitrile							Ug/L	
039330	Aldrin							Ug/L	
078109	Allyl chloride							Ug/L	
077581	4-Aminobiphenyl							Ug/L	
034220	Anthracene							Ug/L	
034030	Benzene							Ug/L	
034526	Benzo(a)anthracene							Ug/L	
034230	Benzo(b)fluoranthene							Ug/L	

ATTACHMENT D

J.E.D. DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rules 62-701.510 (8)(b) & 62-701.510(6)(b)3, F.A.C.

WACS Report Type: INTGW

Initial Ground Water Monitoring (Page 3 of 10)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: ____ (AS) Assessment (IW) Irrigation Well
WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
034242	Benzo(k)fluoranthene							Ug/L	
034247	Benzo(a)pyrene							Ug/L	
034521	Benzo(g,h,i)perylene							Ug/L	
077147	Benzyl alcohol							Ug/L	
039337	alpha-BHC							Ug/L	
039338	beta-BHC							Ug/L	
046323	delta-BHC							Ug/L	
039340	gamma-BHC; Lindane							Ug/L	
034273	Bis(2-chloroethyl)ether							Ug/L	
034278	Bis(2-chloroethoxy)methane							Ug/L	
073522	Bis (2-chloro-1-methylethyl) ether							Ug/L	
039100	Bis(2-ethylhexyl)phthalate							Ug/L	
073085	Bromochloromethane							Ug/L	
032101	Bromodichloromethane							Ug/L	
032104	Bromoform							Ug/L	
034413	Bromomethane							Ug/L	
034636	4-Bromophenyl phenyl ether							Ug/L	
034292	Butyl benzyl phthalate							Ug/L	
077041	Carbon Disulfide							Ug/L	
032102	Carbon Tetrachloride							Ug/L	
039350	Chlordane							Ug/L	
073529	p-Chloroaniline							Ug/L	
034301	Chlorobenzene							Ug/L	
039460	Chlorobenzilate							Ug/L	

ATTACHMENT D

J.E.D. DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rules 62-701.510 (8)(b) & 62-701.510(6)(b)3, F.A.C.

WACS Report Type: INTGW

Initial Ground Water Monitoring (Page 4 of 10)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: ____ (AS) Assessment (IW) Irrigation Well

WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
034452	p-chloro-m-cresol							Ug/L	
034311	Chloroethane							Ug/L	
032106	Chloroform							Ug/L	
034418	Chloromethane							Ug/L	
034581	2-Chloronaphthalene							Ug/L	
034586	2-Chlorophenol							Ug/L	
034641	4-Chloropheny phenyl ether							Ug/L	
081520	Chloroprene							Ug/L	
034320	Chrysene							Ug/L	
977148	m&p-Cresol							Ug/L	
077152	o-Cresol							Ug/L	
039730	2,4-D; 2,4-Dichlorophenoxyacetic acid							Ug/L	
039360	4,4-DDD							Ug/L	
039365	4,4-DDE							Ug/L	
039370	4,4-DDT							Ug/L	
073540	Diallate							Ug/L	
034556	Dibenz(a,h)anthracene							Ug/L	
081302	Dibenzofuran							Ug/L	
032105	Dibromochloromethane							Ug/L	
049146	1,2-Dibromo-3-chloropropane							Ug/L	
077651	1,2-Dibromoethane							Ug/L	
039110	Di-n-butylphthalate							Ug/L	
034536	1,2-Dichlorobenzene							Ug/L	

ATTACHMENT D

J.E.D. DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rules 62-701.510 (8)(b) & 62-701.510(6)(b)3, F.A.C.

WACS Report Type: INTGW

Initial Ground Water Monitoring (Page 5 of 10)WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: ____ (AS) Assessment (IW) Irrigation Well

WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
034566	1,3-Dichlorobenzene							Ug/L	
034571	1,4-Dichlorobenzene							Ug/L	
034631	3,3-Dichlorobenzidine							Ug/L	
049263	trans-1,4-Dichloro-2-butene							Ug/L	
034668	Dichlorodifluoromethane							Ug/L	
034496	1,1-Dichloroethane							Ug/L	
034531	1,2-Dichloroethane							Ug/L	
034501	1,1-Dichloroethene							Ug/L	
077093	cis-1,2-Dichloroethene							Ug/L	
034546	trans-1,2-Dichloroethene							Ug/L	
034601	2,4-Dichlorophenol							Ug/L	
077541	2,6-Dichlorophenol							Ug/L	
034541	1,2-Dichloropropane							Ug/L	
077173	1,3-Dichloropropane							Ug/L	
077170	2,2-Dichloropropane							Ug/L	
077168	1,1-Dichloropropene							Ug/L	
034704	cis-1,3-Dichloropropene							Ug/L	
034699	trans-1,3-Dichloropropene							Ug/L	
039380	Dieldrin							Ug/L	
034336	Diethyl phthalate							Ug/L	
073553	Thionazin							Ug/L	
046314	Dimethoate							Ug/L	
073558	p-(Dimethylamino)azobenzene							Ug/L	
073559	7,12-Dimethylbenz(a)anthracene							Ug/L	

ATTACHMENT D

J.E.D. DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rules 62-701.510 (8)(b) & 62-701.510(6)(b)3, F.A.C.

WACS Report Type: INTGW

Initial Ground Water Monitoring (Page 6 of 10)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: _____ (AS) Assessment (IW) Irrigation Well

WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
082213	3,3-Dimethylbenzidine							Ug/L	
034606	2,4-Dimethylphenol							Ug/L	
034341	Dimethyl phthalate							Ug/L	
045622	m-Dinitrobenzene							Ug/L	
034657	2-Methyl-4,6-dinitrophenol							Ug/L	
034616	2,4-Dinitrophenol							Ug/L	
034611	2,4-Dinitrotoluene							Ug/L	
034626	2,6-Dinitrotoluene							Ug/L	
081287	DNBP (Dinoseb)							Ug/L	
034596	Di-n-octyl phthalate							Ug/L	
077579	Diphenylamine							Ug/L	
081888	Disulfoton							Ug/L	
034361	Endosulfan I							Ug/L	
034356	Endosulfan II							Ug/L	
034351	Endosulfan sulfate							Ug/L	
039390	Endrin							Ug/L	
034366	Endrin aldehyde							Ug/L	
034371	Ethylbenzene							Ug/L	
073570	Ethyl methacrylate							Ug/L	
073571	Ethyl methanesulfonate							Ug/L	
038462	Famphur							Ug/L	
034376	Fluoranthene							Ug/L	
034381	Fluorene							Ug/L	
039410	Heptachlor							Ug/L	

ATTACHMENT D

J.E.D. DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rules 62-701.510 (8)(b) & 62-701.510(6)(b)3, F.A.C.

WACS Report Type: INTGW

Initial Ground Water Monitoring (Page 7 of 10)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: ____ (AS) Assessment (IW) Irrigation Well

WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
039420	Heptachlor epoxide							Ug/L	
039700	Hexachlorobenzene							Ug/L	
034391	Hexachlorobutadiene							Ug/L	
034386	Hexachlorocyclopentadiene							Ug/L	
034396	Hexachloroethane							Ug/L	
073576	Hexachloropropene							Ug/L	
034403	Indeno (1,2,3-c,d) pyrene							Ug/L	
077424	Iodomethane							Ug/L	
077033	Isobutyl alcohol							Ug/L	
039430	Isodrin							Ug/L	
034408	Isophorone							Ug/L	
073582	Isosafrole							Ug/L	
081281	Kepone							Ug/L	
081593	Methacrylonitrile							Ug/L	
073589	Methapyrilene							Ug/L	
039480	Methoxychlor							Ug/L	
077103	Methyl butyl ketone							Ug/L	
073591	3-Methylcholanthrene							Ug/L	
081595	Methyl ethyl ketone							Ug/L	
081597	Methyl methacrylate							Ug/L	
073595	Methyl methanesulfonate							Ug/L	
077416	2-Methylnaphthalene							Ug/L	
039600	Methyl Parathion							Ug/L	
077596	Methylene Bromide							Ug/L	

ATTACHMENT D

J.E.D. DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rules 62-701.510 (8)(b) & 62-701.510(6)(b)3, F.A.C.

WACS Report Type: INTGW

Initial Ground Water Monitoring (Page 8 of 10)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: ____ (AS) Assessment (IW) Irrigation Well

WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
034423	Methylene Chloride							Ug/L	
081596	Methyl isobutyl ketone							Ug/L	
034696	Naphthalene							Ug/L	
073599	1,4-Naphthoquinone							Ug/L	
073600	1-Naphthylamine							Ug/L	
073601	2-Naphthylamine							Ug/L	
078142	o-Nitroaniline							Ug/L	
078300	m-Nitroaniline							Ug/L	
030342	p-Nitroaniline							Ug/L	
034447	Nitrobenzene							Ug/L	
034591	2-Nitrophenol							Ug/L	
034646	4-Nitrophenol							Ug/L	
073609	N-Nitrosodi-n-butylamine							Ug/L	
073611	N-Nitrosodiethylamine							Ug/L	
034438	N-Nitrosodimethylamine							Ug/L	
034428	N-Nitrosodipropylamine							Ug/L	
034433	N-Nitrosodiphenylamine							Ug/L	
073613	N-Nitrosomethylethylamine							Ug/L	
073619	N-Nitrosopiperidine							Ug/L	
078206	N-Nitrosopyrrolidine							Ug/L	
073622	5-Nitro-o-toluidine							Ug/L	
039540	Parathion							Ug/L	
077793	Pentachlorobenzene							Ug/L	
081316	Pentachloronitrobenzene							Ug/L	

ATTACHMENT E

J.E.D. DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rules 62-701.510(6)(d)&(8)(a), F.A.C.

WACS Report Type: SEMGW

Semi-annual Ground Water Monitoring (Page 1 of 4)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: ____ (AS) Assessment (IW) Irrigation Well

WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
082545	Water Elevation (NGVD)							Ft	
000010	Temperature (field)							deg C	
000299	Dissolved Oxygen (field)							Mg/L	
000406	pH (field)							STD	
000094	Spec. Conductance (field)							Umhos/cm	
082078	Turbidity (field)							NTU	
000610	Total Ammonia as N							Mg/L	
000940	Chlorides							Mg/L	
000620	Nitrate as N							Mg/L	
070300	Total Dissolved Solids							Mg/L	
	<u>METALS</u>								
001097	Antimony							Ug/L	
001002	Arsenic							Ug/L	
001007	Barium							Ug/L	
001012	Beryllium							Ug/L	
001027	Cadmium							Ug/L	
001034	Chromium							Ug/L	
001037	Cobalt							Ug/L	
001042	Copper							Ug/L	
001045	Iron							Ug/L	
001051	Lead							Ug/L	
071900	Mercury							Ug/L	
001067	Nickel							Ug/L	
001147	Selenium							Ug/L	

ATTACHMENT E

J.E.D. DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rules 62-701.510(6)(d)&(8)(a), F.A.C.

WACS Report Type: **SEMGW**

Semi-annual Ground Water Monitoring (Page 2 of 4)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: _____ (AS) Assessment (IW) Irrigation Well

WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
001077	Silver							Ug/L	
000929	Sodium							Mg/L	
001059	Thallium							Ug/L	
001087	Vanadium							Ug/L	
001092	Zinc							Ug/L	
	ORGANICS								
081552	Acetone							Ug/L	
034215	Acrylonitrile							Ug/L	
034030	Benzene							Ug/L	
073085	Bromochloromethane							Ug/L	
032101	Bromodichloromethane							Ug/L	
032104	Bromoform							Ug/L	
034413	Bromomethane							Ug/L	
077041	Carbon Disulfide							Ug/L	
032102	Carbon Tetrachloride							Ug/L	
034301	Chlorobenzene							Ug/L	
034311	Chloroethane							Ug/L	
032106	Chloroform							Ug/L	
034418	Chloromethane							Ug/L	
032105	Dibromochloromethane							Ug/L	
038437	1,2-Dibromo-3-chloropropane							Ug/L	
077651	1,2-Dibromoethane							Ug/L	
034536	1,2-Dichlorobenzene							Ug/L	
034571	1,4-Dichlorobenzene							Ug/L	

ATTACHMENT E

J.E.D. DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rules 62-701.510(6)(d)&(8)(a), F.A.C.

WACS Report Type: SEMGW

Semi-annual Ground Water Monitoring (Page 3 of 4)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: ____ (AS) Assessment (IW) Irrigation Well

WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (Y/N)	PRESERV. INTACT (Y/N)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
049263	trans-1,4-Dichloro-2-butene							Ug/L	
034496	1,1-Dichloroethane							Ug/L	
034531	1,2-Dichloroethane							Ug/L	
034501	1,1-Dichloroethene							Ug/L	
077093	cis-1,2-Dichloroethene							Ug/L	
034546	trans-1,2-Dichloroethene							Ug/L	
034541	1,2-Dichloropropane							Ug/L	
034704	cis-1,3-Dichloropropene							Ug/L	
034699	trans-1,3-Dichloropropene							Ug/L	
034371	Ethylbenzene							Ug/L	
077424	Iodomethane							Ug/L	
077103	Methyl butyl ketone							Ug/L	
081595	Methyl ethyl ketone							Ug/L	
077596	Methylene Bromide							Ug/L	
034423	Methylene Chloride							Ug/L	
081596	Methyl isobutyl ketone							Ug/L	
077128	Styrene							Ug/L	
077562	1,1,1,2-Tetrachloroethane							Ug/L	
034516	1,1,2,2-Tetrachloroethane							Ug/L	
034475	Tetrachloroethene							Ug/L	
034010	Toluene							Ug/L	
034506	1,1,1-Trichloroethane							Ug/L	
034511	1,1,2-Trichloroethane							Ug/L	
039180	Trichloroethene							Ug/L	

ATTACHMENT F

J.E.D. DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rules 62-701.510(6)(e)&(8)(b), F.A.C.

WACS Report Type: SEMSW

Semi-annual Surface Water Monitoring (Page 1 of 4)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: ____ (AS) Assessment (IW) Irrigation Well

WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
082545	Water Elevation (NGVD)							Ft	
000010	Temperature (field)							deg C	
000299	Dissolved Oxygen (field)							Mg/L	
000406	pH (field)							STD	
000094	Spec. Conductance (field)							Umhos/cm	
082078	Turbidity (field)							NTU	
000612	Un-ionized Ammonia as N							Mg/L	
000900	Total Hardness as CaCO ₃							Mg/L	
000680	Total Organic Carbon							Mg/L	
070300	Total Dissolved Solids							Mg/L	
000530	Total Suspended Solids							Mg/L	
000310	BOD (5 Day) @ 20 °C							Mg/L	
000340	Chemical Oxygen Demand							Mg/L	
000600	Total Nitrogen as N							Mg/L	
000620	Nitrate as N							Mg/L	
000650	Total Phosphates as PO ₄							Mg/L	
032211	Chlorophyll A							Ug/L	
031616	Fecal coliform							#/100 mL	
	<u>METALS</u>								
001097	Antimony							Ug/L	
001002	Arsenic							Ug/L	
001007	Barium							Ug/L	
001012	Beryllium							Ug/L	
001027	Cadmium							Ug/L	

ATTACHMENT F

J.E.D. DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rules 62-701.510(6)(e)&(8)(b), F.A.C.

WACS Report Type: SEMSW

Semi-annual Surface Water Monitoring (Page 2 of 4)WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: ____ (AS) Assessment (IW) Irrigation Well

WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (Y/N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
001034	Chromium							Ug/L	
001037	Cobalt							Ug/L	
001042	Copper							Ug/L	
001045	Iron							Ug/L	
001051	Lead							Ug/L	
071900	Mercury							Ug/L	
001067	Nickel							Ug/L	
001147	Selenium							Ug/L	
001077	Silver							Ug/L	
001059	Thallium							Ug/L	
001087	Vanadium							Ug/L	
001092	Zinc							Ug/L	
	<u>ORGANICS</u>								
081552	Acetone							Ug/L	
034215	Acrylonitrile							Ug/L	
034030	Benzene							Ug/L	
073085	Bromochloromethane							Ug/L	
032101	Bromodichloromethane							Ug/L	
032104	Bromoform							Ug/L	
034413	Bromomethane							Ug/L	
077041	Carbon Disulfide							Ug/L	
032102	Carbon Tetrachloride							Ug/L	
034301	Chlorobenzene							Ug/L	
034311	Chloroethane							Ug/L	

ATTACHMENT F

J.E.D. DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rules 62-701.510(6)(e)&(8)(b), F.A.C.

WACS Report Type: SEMSW

Semi-annual Surface Water Monitoring (Page 3 of 4)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: ____ (AS) Assessment (IW) Irrigation Well

WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
032106	Chloroform							Ug/L	
034418	Chloromethane							Ug/L	
032105	Dibromochloromethane							Ug/L	
038437	1,2-Dibromo-3-chloropropane							Ug/L	
046369	1,2-Dibromoethane							Ug/L	
034536	1,2-Dichlorobenzene							Ug/L	
034571	1,4-Dichlorobenzene							Ug/L	
049263	trans-1,4-Dichloro-2-butene							Ug/L	
034496	1,1-Dichloroethane							Ug/L	
034531	1,2-Dichloroethane							Ug/L	
034501	1,1-Dichloroethene							Ug/L	
077093	cis-1,2-Dichloroethene							Ug/L	
034546	trans-1,2-Dichloroethene							Ug/L	
034541	1,2-Dichloropropane							Ug/L	
034704	cis-1,3-Dichloropropene							Ug/L	
034699	trans-1,3-Dichloropropene							Ug/L	
034371	Ethylbenzene							Ug/L	
077424	Iodomethane							Ug/L	
077103	Methyl butyl ketone							Ug/L	
081595	Methyl ethyl ketone							Ug/L	
077596	Methylene bromide							Ug/L	
034423	Methylene chloride							Ug/L	
081596	Methyl isobutyl ketone							Ug/L	

ATTACHMENT F

J.E.D. DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rules 62-701.510(6)(e)&(8)(b), F.A.C.

WACS Report Type: **SEMSW**

Semi-annual Surface Water Monitoring (Page 4 of 4)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: _____ (AS) Assessment (IW) Irrigation Well

WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
077128	Styrene							Ug/L	
077562	1,1,1,2-Tetrachloroethane							Ug/L	
034516	1,1,2,2-Tetrachloroethane							Ug/L	
034475	Tetrachloroethene							Ug/L	
034010	Toluene							Ug/L	
034506	1,1,1-Trichloroethane							Ug/L	
034511	1,1,2-Trichloroethane							Ug/L	
039180	Trichloroethene							Ug/L	
034488	Trichlorofluoromethane							Ug/L	
077443	1,2,3-Trichloropropane							Ug/L	
077057	Vinyl Acetate							Ug/L	
039175	Vinyl Chloride							Ug/L	
034020	Xylenes							Ug/L	

ATTACHMENT G

J.E.D. DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rules 62-701.510(8)(c)&(d), F.A.C.

WACS Report Type: ANNLC

Annual Leachate Monitoring (Page 1 of 9)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
000010	Temperature (field)							deg C	
000299	Dissolved Oxygen (field)							Mg/L	
000406	pH (field)							STD	
000094	Spec. Conductance (field)							Umhos/cm	
000610	Total Ammonia as N							Mg/L	
000940	Chlorides							Mg/L	
000620	Nitrate as N							Mg/L	
070300	Total Dissolved Solids							Mg/L	
000440	Bicarbonate							Mg/L	
000720	Cyanide							Ug/L	
000745	Sulfide							Ug/L	
	<u>METALS</u>								
001097	Antimony							Ug/L	
001002	Arsenic							Ug/L	
001007	Barium							Ug/L	
001012	Beryllium							Ug/L	
001027	Cadmium							Ug/L	
001034	Chromium							Ug/L	
001037	Cobalt							Ug/L	
001042	Copper							Ug/L	
001045	Iron							Ug/L	
001051	Lead							Ug/L	
071900	Mercury							Ug/L	
001067	Nickel							Ug/L	
001147	Selenium							Ug/L	
001077	Silver							Ug/L	
000929	Sodium							Mg/L	
001059	Thallium							Ug/L	

ATTACHMENT G

J.E.D. DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rules 62-701.510(8)(c)&(d), F.A.C.

WACS Report Type: ANNLC

Annual Leachate Monitoring (Page 2 of 9)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
001102	Tin							Ug/L	
001087	Vanadium							Ug/L	
001092	Zinc							Ug/L	
	<u>ORGANICS</u>								
034205	Acenaphthene							Ug/L	
034200	Acenaphthylene							Ug/L	
081552	Acetone							Ug/L	
076997	Acetonitrile; Methyl cyanide							Ug/L	
081553	Acetophenone							Ug/L	
073501	2-Acetylaminofluorene; 2-AAF							Ug/L	
034210	Acrolein							Ug/L	
034215	Acrylonitrile							Ug/L	
039330	Aldrin							Ug/L	
078109	Allyl chloride							Ug/L	
077581	4-Aminobiphenyl							Ug/L	
034220	Anthracene							Ug/L	
034030	Benzene							Ug/L	
034526	Benzo(a)anthracene							Ug/L	
034230	Benzo(b)fluoranthene							Ug/L	
034242	Benzo(k)fluoranthene							Ug/L	
034247	Benzo(a)pyrene							Ug/L	
034521	Benzo(g,h,i)perylene							Ug/L	
077147	Benzyl alcohol							Ug/L	
039337	alpha-BHC							Ug/L	
039338	beta-BHC							Ug/L	
046323	delta-BHC							Ug/L	
039340	gamma-BHC; Lindane							Ug/L	
034273	Bis(2-chloroethyl)ether							Ug/L	

ATTACHMENT G

J.E.D. DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rules 62-701.510(8)(c)&(d), F.A.C.

WACS Report Type: ANNLC

Annual Leachate Monitoring (Page 3 of 9)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
034278	Bis(2-chloroethoxy)methane							Ug/L	
073522	Bis (2-chloro-1-methylethyl) ether							Ug/L	
039100	Bis(2-ethylhexyl)phthalate							Ug/L	
073085	Bromochloromethane							Ug/L	
032101	Bromodichloromethane							Ug/L	
032104	Bromoform							Ug/L	
034413	Bromomethane							Ug/L	
034636	4-Bromophenyl phenyl ether							Ug/L	
034292	Butyl benzyl phthalate							Ug/L	
077041	Carbon Disulfide							Ug/L	
032102	Carbon Tetrachloride							Ug/L	
039350	Chlordane							Ug/L	
073529	p-Chloroaniline							Ug/L	
034301	Chlorobenzene							Ug/L	
039460	Chlorobenzilate							Ug/L	
034452	p-chloro-m-cresol							Ug/L	
034311	Chloroethane							Ug/L	
032106	Chloroform							Ug/L	
034418	Chloromethane								
034581	2-Chloronaphthalene							Ug/L	
034586	2-Chlorophenol							Ug/L	
034641	4-Chlorophenyl phenyl ether							Ug/L	
081520	Chloroprene							Ug/L	
034320	Chrysene							Ug/L	
977148	m&p-Cresols							Ug/L	
077152	o-Cresol							Ug/L	
039730	2,4-D; 2,4-Dichlorophenoxyacetic acid							Ug/L	

ATTACHMENT G

J.E.D. DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rules 62-701.510(8)(c)&(d), F.A.C.

WACS Report Type: ANNLC

Annual Leachate Monitoring (Page 4 of 9)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
039360	4,4-DDD							Ug/L	
039365	4,4-DDE							Ug/L	
039370	4,4-DDT							Ug/L	
073540	Diallate							Ug/L	
034556	Dibenz(a,h)anthracene							Ug/L	
081302	Dibenzofuran							Ug/L	
032105	Dibromochloromethane							Ug/L	
049146	1,2-Dibromo-3-chloropropane							Ug/L	
077651	1,2-Dibromoethane							Ug/L	
039110	Di-n-butylphthalate							Ug/L	
034536	1,2-Dichlorobenzene							Ug/L	
034566	1,3-Dichlorobenzene							Ug/L	
034571	1,4-Dichlorobenzene							Ug/L	
034631	3,3-Dichlorobenzidine							Ug/L	
049263	trans-1,4-Dichloro-2-butene							Ug/L	
034668	Dichlorodifluoromethane							Ug/L	
034496	1,1-Dichloroethane							Ug/L	
034531	1,2-Dichloroethane							Ug/L	
034501	1,1-Dichloroethene							Ug/L	
077093	cis-1,2-Dichloroethene							Ug/L	
034546	trans-1,2-Dichloroethene							Ug/L	
034601	2,4-Dichlorophenol							Ug/L	
077541	2,6-Dichlorophenol							Ug/L	
034541	1,2-Dichloropropane							Ug/L	
077173	1,3-Dichloropropane							Ug/L	
077170	2,2-Dichloropropane							Ug/L	
077168	1,1-Dichloropropene							Ug/L	
034704	cis-1,3-Dichloropropene							Ug/L	

ATTACHMENT G

J.E.D. DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rules 62-701.510(8)(c)&(d), F.A.C.

WACS Report Type: ANNLC

Annual Leachate Monitoring (Page 5 of 9)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
034699	trans-1,3-Dichloropropene							Ug/L	
039380	Dieldrin							Ug/L	
034336	Diethyl phthalate							Ug/L	
073553	Thionazin							Ug/L	
046314	Dimethoate							Ug/L	
073558	p-(Dimethylamino)azobenzene							Ug/L	
073559	7,12-Dimethylbenz(a)anthracene							Ug/L	
082213	3,3-Dimethylbenzidine							Ug/L	
034606	2,4-Dimethylphenol							Ug/L	
034341	Dimethyl phthalate							Ug/L	
045622	m-Dinitrobenzene							Ug/L	
034657	2-Methyl-4,6-dinitrophenol							Ug/L	
034616	2,4-Dinitrophenol							Ug/L	
034611	2,4-Dinitrotoluene							Ug/L	
034626	2,6-Dinitrotoluene							Ug/L	
081287	DNBP (Dinoseb)							Ug/L	
034596	Di-n-octyl phthalate							Ug/L	
077579	Diphenylamine							Ug/L	
081888	Disulfoton							Ug/L	
034361	Endosulfan I							Ug/L	
034356	Endosulfan II							Ug/L	
034351	Endosulfan sulfate							Ug/L	
039390	Endrin							Ug/L	
034366	Endrin aldehyde							Ug/L	
034371	Ethylbenzene							Ug/L	
073570	Ethyl methacrylate							Ug/L	
073571	Ethyl methanesulfonate							Ug/L	

ATTACHMENT G

J.E.D. DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rules 62-701.510(8)(c)&(d), F.A.C.

WACS Report Type: ANNLC

Annual Leachate Monitoring (Page 6 of 9)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
038462	Famphur							Ug/L	
034376	Fluoranthene							Ug/L	
034381	Fluorene							Ug/L	
039410	Heptachlor							Ug/L	
039420	Heptachlor epoxide							Ug/L	
039700	Hexachlorobenzene							Ug/L	
034391	Hexachlorobutadiene							Ug/L	
034386	Hexachlorocyclopentadiene							Ug/L	
034396	Hexachloroethane							Ug/L	
073576	Hexachloropropene							Ug/L	
034403	Indeno (1,2,3-c,d) pyrene							Ug/L	
077424	Iodomethane							Ug/L	
077033	Isobutyl alcohol							Ug/L	
039430	Isodrin							Ug/L	
034408	Isophorone							Ug/L	
073582	Isosafrole							Ug/L	
081281	Kepone							Ug/L	
081593	Methacrylonitrile							Ug/L	
073589	Methapyrilene							Ug/L	
039480	Methoxychlor							Ug/L	
077103	Methyl butyl ketone							Ug/L	
073591	3-Methylcholanthrene							Ug/L	
081595	Methyl ethyl ketone							Ug/L	
081597	Methyl methacrylate							Ug/L	
073595	Methyl methanesulfonate							Ug/L	
077416	2-Methylnaphthalene							Ug/L	
039600	Methyl Parathion							Ug/L	
077596	Methylene Bromide							Ug/L	

ATTACHMENT G

J.E.D. DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rules 62-701.510(8)(c)&(d), F.A.C.

WACS Report Type: ANNLC

Annual Leachate Monitoring (Page 7 of 9)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
034423	Methylene Chloride							Ug/L	
081596	Methyl isobutyl ketone							Ug/L	
034696	Naphthalene							Ug/L	
073599	1,4-Naphthoquinone							Ug/L	
073600	1-Naphthylamine							Ug/L	
073601	2-Naphthylamine							Ug/L	
078142	o-Nitroaniline							Ug/L	
078300	m-Nitroaniline							Ug/L	
030342	p-Nitroaniline							Ug/L	
034447	Nitrobenzene							Ug/L	
034591	2-Nitrophenol							Ug/L	
034646	4-Nitrophenol							Ug/L	
073609	N-Nitrosodi-n-butylamine							Ug/L	
073611	N-Nitrosodiethylamine							Ug/L	
034438	N-Nitrosodimethylamine							Ug/L	
034428	N-Nitrosodipropylamine							Ug/L	
034433	N-Nitrosodiphenylamine							Ug/L	
073613	N-Nitrosomethylethylamine							Ug/L	
073619	N-Nitrosopiperidine							Ug/L	
078206	N-Nitrosopyrrolidine							Ug/L	
073622	5-Nitro-o-toluidine							Ug/L	
039540	Parathion							Ug/L	
077793	Pentachlorobenzene							Ug/L	
081316	Pentachloronitrobenzene							Ug/L	
039032	Pentachlorophenol							Ug/L	
073626	Phenacetin							Ug/L	
034461	Phenanthrene							Ug/L	

ATTACHMENT G

J.E.D. DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rules 62-701.510(8)(c)&(d), F.A.C.

WACS Report Type: ANNLC

Annual Leachate Monitoring (Page 8 of 9)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
034694	Phenol							Ug/L	
073628	p-Phenylenediamine							Ug/L	
046313	Phorate							Ug/L	
039516	Polychlorinated biphenyls							Ug/L	
039080	Pronamide							Ug/L	
077007	Propionitrile							Ug/L	
034469	Pyrene							Ug/L	
077545	Safrole							Ug/L	
039760	Silvex; 2,4,5-TP							Ug/L	
077128	Styrene							Ug/L	
039740	2,4,5-Trichlorophenoxyacetic acid							Ug/L	
077734	1,2,4,5-Tetrachlorobenzene							Ug/L	
077562	1,1,1,2-Tetrachloroethane							Ug/L	
034516	1,1,2,2-Tetrachloroethane							Ug/L	
034475	Tetrachloroethene							Ug/L	
077770	2,3,4,6-Tetrachlorophenol							Ug/L	
034010	Toluene							Ug/L	
077142	o-Toluidine							Ug/L	
039400	Toxaphene							Ug/L	
034551	1,2,4-Trichlorobenzene							Ug/L	
034506	1,1,1-Trichloroethane							Ug/L	
034511	1,1,2-Trichloroethane							Ug/L	
039180	Trichloroethene							Ug/L	
034488	Trichlorofluoromethane							Ug/L	
077687	2,4,5-Trichlorophenol							Ug/L	
034621	2,4,6-Trichlorophenol							Ug/L	
077443	1,2,3-Trichloropropane							Ug/L	
073652	0,0,0-Triethyl phosphorothioate							Ug/L	

Florida Department of Environmental Protection

3319 Maguire Boulevard, Suite 232, Orlando, Florida 32803-3767

MONITORING WELL COMPLETION REPORT

DATE: _____

FACILITY NAME: J.E.D. Solid Waste Management Facility, Class I LandfillDEP PERMIT NO.: _____ WACS_FACILITY: 89544

WACS MONITORING SITE_NUM.: _____ WACS_WELL: _____

WELL_TYPE: BACKGROUND _____ DETECTION _____ COMPLIANCE _____

LATITUDE AND LONGITUDE (see Page 2 for requirements): _____

Coordinate Accuracy _____ Datum _____ Elevation Datum _____

Collection Method _____ Collection Date _____

Collector Name _____ Collector Affiliation _____

AQUIFER MONITORED: _____

DRILLING METHOD: _____ DATE INSTALLED: _____

INSTALLED BY: _____

BORE HOLE DIAMETER: _____ TOTAL DEPTH: _____ (BLS)

CASING TYPE: _____ CASING DIAMETER: _____ CASING LENGTH: _____

SCREEN TYPE: _____ SCREEN SLOT SIZE: _____ SCREEN LENGTH: _____

SCREEN DIAMETER: _____ SCREEN INTERVAL: _____ TO _____ (BLS)

FILTER PACK TYPE: _____ FILTER PACK GRAIN SIZE: _____

INTERVAL COVERED: _____ TO _____ (BLS)

SEALANT TYPE: _____ SEALANT INTERVAL: _____ TO _____ (BLS)

GROUT TYPE: _____ GROUT INTERVAL: _____ TO _____ (BLS)

TOP OF CASING ELEVATION (NGVD): _____ GROUND SURFACE ELEVATION (NGVD): _____

DESCRIBE WELL DEVELOPMENT: _____

POST DEVELOPMENT WATER LEVEL ELEVATION (NGVD): _____

DATE AND TIME MEASURED: _____

REMARKS: _____

NAME OF PERSON PREPARING REPORT: _____

(Name, Organization, Phone No., E-mail)

NOTE ATTACH AS-BUILT MW CONSTRUCTION DIAGRAM, LITHOLOGIC LOG, and Survey Drawing (see next page).

(NGVD) = NATIONAL GEODETIC VERTICAL DATUM OF 1929; (BLS) = BELOW LAND SURFACE

DEP Form 62-522.900(3) Effective April 14, 1994

Latitude must be measured in degrees, minutes and seconds, to at least two (2) decimal places.

Longitude must be measured in degrees, minutes and seconds, to at least two (2) decimal places.

Eastings and northings **must** be converted to latitude and longitude.

Coordinate Accuracy: the measured, estimated degree of correctness of the measurement. An accuracy of 15 feet or 5 meters is required.

Datum: the horizontal reference for measuring locations on the Earth's surface. NAD83-North American Datum of 1983 is preferred.

Elevation Datum: the reference datum from which elevation measurements are made. NGVD29 (National Geodetic Vertical Datum of 1929 is required.

Collection Method: the method or mechanism used to derive the measurements, e.g. GPS, map, aerial photo, etc.

Collection Date: the date and time on which the measurements were taken.

Collector Name: the name of the person taking the measurement.

Collector Affiliation: the agency or company for whom the collector works.

Also, as specified in the MPIS, one (1) paper copy and one (1) electronic copy of a drawing must be submitted within thirty (30) days following monitoring well installation showing the location of all monitoring wells (active and abandoned), water bodies and waste filled areas. The location of features on the drawing must be horizontally and vertically located by standard surveying techniques. The drawing shall include all monitoring well locations, each monitoring well name and identification (WACS) number, the top of casing, pad elevation, permanent benchmark(s) and/or corner monument marker(s) referenced to NGVD with an accuracy of 0.01 feet. The latitude and longitude of each well in degrees, minutes and seconds, to two (2) decimal places, with an accuracy of 15 feet, must be determined and provided on the drawing. The survey shall be conducted and certified by a Florida Licensed Surveyor and Mapper. [62-701.510(1)(c)&(3)(d)1, F.A.C.]

If a monitoring well is being replaced or new wells are being added to an existing ground water monitoring plan, only the new wells needs to be surveyed as long as all other monitoring wells in the MPIS have been surveyed and certified by a Florida Licensed Surveyor and Mapper and there is no reason to believe that the elevations have changed. This location and elevation determinations and the certification must be provided with the Monitoring Well Completion Form for the new well,

ATTACHMENT I

Florida Department of Environmental Protection

3319 Maguire Boulevard, Suite 232, Orlando, Florida 32803-3767

GROUND WATER MONITORING REPORT

Rule 62-522.600(11)

PART I GENERAL INFORMATION

- (1) Facility Name J.E.D. Disposal, Class I Landfill
- Address _____
- City _____ Zip _____ County _____
- Telephone Number () _____ (2) WACS_Facility 89544
- (3) DEP Permit Number _____
- (4) Authorized Representative's Name _Title _____
- Address _____
- City _____ Zip _____ County _____
- Telephone Number () _____
- (5) Type of Discharge _____
- (6) Method of Discharge _____

CERTIFICATION

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

Date Owner or Authorized Representative's Signature

PART II QUALITY ASSURANCE REQUIREMENTS

Sampling Organization Comp QAP # _____

Analytical Lab Comp QAP #/ HRS Certification _____

Lab Name _____

Address _____

Phone Number () _____

E-mail Address _____

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24
GROUNDWATER SAMPLING LOG

FACILITY NAME: Oak Hammock Disposal, Class I Landfill		FACILITY LOCATION:	
MONITORING_SITE_NUM:		WACS_WELL:	DATE:

PURGING DATA

[illegible]

SAMPLING DATA

[illegible]

REMARKS:

MATERIAL CODES:	AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING/PURGING EQUIPMENT CODES:	APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. **STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)**

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, $+0.2$ mg/L or $+10\%$ (whichever is greater) **Turbidity:** all readings < 20 NTU; optionally $+5$ NTU or $+10\%$ (whichever is greater)

Williams, Elizabeth

From: Shawn McCash [SMcCash@wasteservicesinc.com]
Sent: Friday, February 08, 2008 2:47 PM
To: Williams, Elizabeth
Subject: RE: J.E.D. SW Mgmt. Fac. Class I intent to issue for mod. project 0044

Received. Thank you.

R. Shawn McCash

Sr. Vice President, Landfill Operations & Engineering



Waste Services, Inc.
5002 T-Rex Avenue, Suite 200
Boca Raton, Florida 33431
(561) 237-3414 [Office]
(561) 237-3491 [Fax]
smccash@wsii.us [eMail]

From: Williams, Elizabeth [mailto:Elizabeth.Williams@dep.state.fl.us]
Sent: Friday, February 08, 2008 2:13 PM
To: Shawn McCash
Cc: Tedder, Richard; Wick, Fred; Hornbrook, Frank; agupta@geosyntec.com; Bradner, James
Subject: J.E.D. SW Mgmt. Fac. Class I intent to issue for mod. project 0044

Attached is an Adobe Acrobat version of the "J.E.D. SW Mgmt. Fac. " from the Central District of the Florida Department of Environmental Protection.

This email is an alternative to a hard copy being sent by the United States Postal Service. You will need Adobe Acrobat to view the attachment. A free viewer is available at <http://www.adobe.com>

Please acknowledge receipt of this document by email within 3 days at elizabeth.williams@dep.state.fl.us

If you would still like to receive a hard copy, please email me. Thank you. Solid Waste Section.

Elizabeth Williams
elizabeth.williams@dep.state.fl.us
Administrative Secretary - Waste Management
Dept. of Environmental Protection
3319 Maguire Blvd., Ste. 232
Orlando, FL 32803
Telephone 407/893-3328

FO
2-11-08
EJW

Cheryan, George

From: Hornbrook, Frank
Sent: Thursday, January 31, 2008 5:05 PM
To: Cheryan, George
Subject: FW: Omni Waste of Osceola County, LLC - Permittee Reorganization

FYI

From: Shawn McCash [mailto:SMcCash@wasteservicesinc.com]
Sent: Thursday, January 31, 2008 4:59 PM
To: Hornbrook, Frank
Cc: Michael Kaiser
Subject: RE: Omni Waste of Osceola County, LLC - Permittee Reorganization

Thanks for the catch, we do want the name change to **J.E.D. Solid Waste Management Facility**. Please let me know if we need to resubmit the form or if this email will suffice.

Regards,

R. Shawn McCash

Sr. Vice President, Landfill Operations & Engineering



Waste Services, Inc.
5002 T-Rex Avenue, Suite 200
Boca Raton, Florida 33431
(561) 237-3414 [Office]
(561) 237-3491 [Fax]
smccash@wsii.us [eMail]

From: Hornbrook, Frank [mailto:Frank.Hornbrook@dep.state.fl.us]
Sent: Thursday, January 31, 2008 4:54 PM
To: Shawn McCash
Cc: Michael Kaiser
Subject: Omni Waste of Osceola County, LLC - Permittee Reorganization

Mr. McCash,

On the recent permittee name change form submitted to DEP in which Omni Waste of Osceola County, LLC has reorganized and converted to a new state. It was noted that the facility name listed on the form was Oak Hammock Disposal Facility. We had just recently completed the facility name change to J.E.D. Solid Waste Management Facility.

Please verify that you wish the facility name to remain J.E.D. Solid Waste Management Facility. All other parts of the form were adequate and no further action needs to be taken.

I don't believe a \$50 fee was needed and that will probably be returned by the Central District.

Thanks for your help.

Frank Hornbrook

Send Correspondence to:

Solid Waste Financial Coordinator
Florida Department Of Environmental Protection
2600 Blair Stone Rd. MS 4565
Tallahassee, Florida 32399-2400
Att: Frank Hornbrook, Environmental Specialist

Contact Information:

E-mail: Frank.Hornbrook@dep.state.fl.us
Ph: Office (850) 245-8745 Fax: (850) 245-8811
Suncom: 205-8745 Suncom Fax: 205-8811

Website References:

Financial Assurance Website (current inflation factor)

<http://www.dep.state.fl.us/waste/categories/swfr/>

Solid Waste Financial Assurance Forms / Cost Estimate Forms / Permit Forms / Change Forms

http://www.dep.state.fl.us/waste/quick_topics/forms/pages/62-701.htm

Used Oil Website

http://www.dep.state.fl.us/waste/categories/used_oil/default.htm

Used Oil Forms / Financial Assurance Forms / Cost Estimate Forms

http://www.dep.state.fl.us/waste/categories/used_oil/pages/forms.htm

Please note: Florida has a very broad public records law. Most written communications to or from state officials are public records and may be made available to the public or media upon request. This e-mail communication, your reply, and future e-mails to my attention may therefore be subject to public disclosure.

The Department of Environmental Protection values your feedback as a customer. DEP Secretary Michael W. Sole is committed to continuously assessing and improving the level and quality of services provided to you. Please take a few minutes to comment on the quality of service you received. Simply click on [this link to the DEP Customer Survey](#). Thank you in advance for completing the survey.

CONFIDENTIALITY NOTICE: The information transmitted in this email is intended for the addressee and may contain confidential information of Waste Services Inc. or its affiliated corporations. Any unauthorized review, distribution or use or the taking of any action in reliance on the information contained in this email or any attachments is strictly prohibited. If you have received this message in error, please delete or destroy it, all attachments and any copies, and notify the sender.



OK #295

3400 Jones Road, Jacksonville, Florida 32220

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JAN 30 2008

DEP Central Dist.

January 29, 2008

Mr. Thomas Lubozynski, P.E.
Program Manager, Solid/Hazardous Waste
Florida Department of Environmental Protection, Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

RE: Application for Transfer of Permit (Change in Articles of Organization)
Oak Hammock Disposal Facility
Omni Waste of Osceola County, LLC
1501 Omni Way, St. Cloud, Florida
WACS Facility: 89455
Permit Nos. SC49-0199726-004, SO49-0199726-005

Dear Mr. Lubozynski:

Please find attached Florida Department of Environmental Protection (FDEP) Form # 62-701.900(8) – Application for Transfer of Permit - for the above noted facility and Solid Waste permits. Articles of Organization were recently filed (effective January 1, 2008) converting the current operator, Omni Waste of Osceola County LLC, from an Ohio Limited Liability Company to a Florida Limited Liability Company. The operator name, Omni Waste of Osceola County LLC, remains the same. The Articles of Organization are also attached along with a \$50.00 check made payable to the Florida Department of Environmental Protection.

If you have any questions, or require any additional information during your review of these documents, please contact Mr. Shawn McCash at (561) 237-3414, smccash@wsii.us, or myself at (904) 673-0446, mkaiser@wsii.us.

Sincerely,

A handwritten signature in black ink, appearing to read "Mike Kaiser", written in a cursive style.

Mike Kaiser
Vice President, Environmental Management and Engineering, US
Waste Services, Inc.

Attachments

Cc: Mr. Frank Hornbrook, FDEP – Financial Coordinator, Solid Waste Section
Mr. Matt Orr, WSI
Mr. Shawn McCash, WSI



Ivan R. Cairns
Executive Vice President and General Counsel

August 18, 2006

Florida Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

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JAN 30 2008

DEP Central Dist.

Attention: *Mr. Frank Hornbrook*
Solid Waste Financial Co-ordinator

Dear Mr. Hornbrook:

Re: *Omni Waste of Osceola County LLC*

This will confirm that Waste Services, Inc. at 1122 International Blvd., Suite 601, Burlington, Ontario, L7L 6Z8, is the owner of all of the stock of Omni Waste of Osceola County LLC. Our chief environmental officer, Shawn McCash, is authorized to execute documents on behalf of each corporation.

WASTE SERVICES, INC.

Ivan R. Cairns
Executive Vice President, General Counsel & Secretary



Florida Department of Environmental Protection

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

DEP Form # 62-701.900(8)
Form Title Application for Transfer of Permit or Notification of Name Change
Effective Date 05-27-01
DEP Application No. _____ (Filed by DEP)

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

APPLICATION FOR TRANSFER OF PERMIT OR NOTIFICATION OF NAME CHANGE

GENERAL REQUIREMENT: Permit transfers for Solid Waste Management Facilities shall be permitted in accordance with Florida Administrative Code (F.A.C.) Rule 62-701.320(11). A transfer of permit is required upon the sale or transfer of a facility. A transfer of permit is also required if a new or different person takes ownership or control of the facility. A transfer of permit is not required if the facility or permittee simply changes its name, although the permittee must notify the Department of such a change. Two copies of this form shall be submitted to the Department District Office having jurisdiction over the facility for either the Notification of Name Change or Transfer of Permit.

PART I: GENERAL INFORMATION

To Be Completed by Permittee

Permit No. SC49-0199726-004 Date Issued: 3/22/07 Date Expires: 1/11/2012

Existing Facility Name: OAK Hammock Disposal Pky County: Osceola

Facility Location: 1501 Omni Way City: St. Cloud, FL 34773

Permittee Name: OMNI WASTE OF OSCEOLA COUNTY, LLC Title: R. Shawn McCash

Mailing address: 1501 Omni Way, St. Cloud FL 34773
Street or P.O. Box City State Zip

E-Mail address: SMcCASH@wsii.us

PART II. CHECK ALL BOXES THAT APPLY

1. ☐ Name of facility or permittee has changed or will change
2. ☐ Real property has been or will be transferred by sale or devise
3. ☒ Control of facility has changed or will change
(e.g., sale of facility; sale of more than 50% of stock; merger where permittee does not survive)
4. ☐ Permit requires financial assurance documentation

- If you checked box 1 above, you must complete Part III below. A Notification of Name Change does not require any Department approval or review.
- If you checked boxes 2 or 3 above, you must apply for a Transfer of Permit by completing Part IV below. Note that both the current permittee and the proposed new permittee must sign this form. A fee of \$50 shall be submitted with the application for Transfer of Permit by check made payable to the Department of Environmental Protection (DEP).
- If you checked box 4 above, you must attach documentation to this form indicating that the financial assurance mechanism has been or will be modified to reflect the proposed new name or ownership of the permittee, or an explanation of why no such modification is required.

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JAN 30 2008

DEP Central Dist.

Northwest District 160 Governmental Center Pensacola, FL 32501-5794 850-595-8360	Northeast District 7825 Baymeadows Way, Ste. B200 Jacksonville, FL 32256-7590 904-448-4300	Central District 3319 Maguire Blvd., Ste. 232 Orlando, FL 32803-3767 407-894-7555	Southwest District 3804 Coconut Palm Dr. Tampa, FL 33619 813-744-6100	South District 2295 Victoria Ave., Ste. 364 Fort Myers, FL 33901-3881 941-332-6975	Southeast District 400 North Congress Ave. West Palm Beach, FL 33401 561-681-6600
---	---	--	--	---	--

PART III NOTIFICATION OF NAME CHANGE

Proposed New Facility Name: _____

Reason for the name change: _____

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Date: _____ JAN 30 2008

Signature of Permittee

E-Mail address: _____

DEP Central Dist.

PART IV: TRANSFER OF PERMIT

To Be Completed by Current Permittee

The undersigned hereby affirms, under penalty of perjury, that ownership or control of this facility has been or will be transferred to the applicant below, and also agrees to assign his/her rights as permittee to the applicant below if the Department agrees to the transfer of the permit.

R. Shawn McCash

Signature of Permittee

Date: 1/22/08

E-Mail address: SMcCash@wsii.us

To Be Completed by Applicant (New Permittee)

New Facility Name (if different): OMNI Waste of Osceola County, LLC

Applicant Name: R. Shawn McCash Title: Sr. VP Landfill Operations

Mailing address: 5002 T-Rex Avenue, Suite 200, Boca Raton, FL 33431
Street or P.O. Box City State Zip

Telephone: (561) 237-3414 E-Mail address: SMcCash@wsii.us

The undersigned hereby affirms, under penalty of perjury, that he/she has or intends to acquire title to or control of this facility; that he/she has examined the application and documents submitted by the current permittee on which the permit was based and states that they accurately and completely describe the permitted activity or project; that he/she is familiar with the permit, agrees to comply with its terms and conditions, and agrees to assume the rights and liabilities set forth in the permit; and that he/she understands that any substantial changes in the design or operation of the facility will require a separate permit modification. He/she also agrees to promptly notify the Department of any future changes in ownership of, or responsibility for, the permitted activity or project.

R. Shawn McCash

Signature of Applicant*

Date: 1/22/08

*Attach letter of authorization if other than owner or corporate officer.

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JAN 30 2008

DEP Central Dist.



FLORIDA DEPARTMENT OF STATE
Division of Corporations

December 7, 2007

C T CORPORATION SYSTEM

TALLAHASSEE, FL

Re: Document Number L07000121782

The Certificate of Conversion and Articles of Organization were filed December 7, 2007, effective January 1, 2008, with an organizational date deemed effective January 21, 1999, for OMNI WASTE OF OSCEOLA COUNTY LLC, the resulting Florida Limited Liability Company.

A limited liability company annual report will be due this office between January 1 and May 1 of the year following the calendar year of the file date. A Federal Employer Identification (FEI) number may be required before this report can be filed. Please apply NOW with the Internal Revenue Service by calling 1-800-829-4933 and requesting form SS-4.

Should you have any further questions concerning this matter, please feel free to call (850) 245-6051, the Registration Filing Section.

Buck Kohr
Regulatory Specialist II
Division of Corporations

Letter Number: 207A00069142

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JAN 30 2008

DEP Central Dist.

EFFECTIVE DATE 1/1/08

Certificate of Conversion
For
"Other Business Entity"
Into
Florida Limited Liability Company

FILED
07 DEC -7 PM 1:47
SECRETARY OF STATE
TALLAHASSEE, FLORIDA

This Certificate of Conversion and attached Articles of Organization are submitted to convert the following **"Other Business Entity"** into a **Florida Limited Liability Company** in accordance with s.608.439, Florida Statutes.

1. The name of the "Other Business Entity" immediately prior to the filing of this Certificate of Conversion is:

OMNI WASTE OF OSCEOLA COUNTY LLC
(Enter Name of Other Business Entity)

2. The "Other Business Entity" is a LIMITED LIABILITY COMPANY
(Enter entity type. Example: corporation, limited partnership, sole proprietorship, general partnership, common law or business trust, etc.)

first organized, formed or incorporated under the laws of OHIO
(Enter state, or if a non-U.S. entity, the name of the country)

on JANUARY 21, 1999
(Enter date "Other Business Entity" was first organized, formed or incorporated)

3. If the jurisdiction of the "Other Business Entity" was changed, the state or country under the laws of which it is now organized, formed or incorporated:

N/A

4. The name of the Florida Limited Liability Company as set forth in the attached Articles of Organization:

OMNI WASTE OF OSCEOLA COUNTY LLC
(Enter Name of Florida Limited Liability Company)

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JAN 30 2008

DEP Central Dist.

5. If not effective on the date of filing, enter the effective date: JANUARY 1, 2008
(The effective date: 1) cannot be prior to nor more than 90 days after the date this document is filed by the Florida Department of State; AND 2) must be the same as the effective date listed in the attached Articles of Organization, if an effective date is listed therein.)

Signed this 3rd day of DECEMBER 20 07.

Signature of Authorized Person: Ivan R Cairns

Printed Name: IVAN R. CAIRNS Title: MANAGER

Fees:

Certificate of Conversion:	\$25.00
Fees for Florida Articles of Organization:	\$125.00
Certified Copy:	\$30.00 (Optional)
Certificate of Status:	\$5.00 (Optional)

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JAN 30 2008

DEP Central Dist.

EFFECTIVE DATE 1/1/08

ARTICLES OF ORGANIZATION FOR FLORIDA LIMITED LIABILITY COMPANY

ARTICLE I - Name:

The name of the Limited Liability Company is:

OMNI WASTE OSCEOLA COUNTY LLC

(Must end with the words "Limited Liability Company," the abbreviation "L.L.C.," or the designation "LLC.")

ARTICLE II - Address:

The mailing address and street address of the principal office of the Limited Liability Company is:

Principal Office Address:

1122 INTERNATIONAL BLVD.
SUITE 601
BURLINGTON, ONTARIO L7L 6Z8

Mailing Address:

1122 INTERNATIONAL BLVD.
SUITE 601
BURLINGTON, ONTARIO L7L 6Z8

ARTICLE III - Registered Agent, Registered Office, & Registered Agent's Signature:

(The Limited Liability Company cannot serve as its own Registered Agent. You must designate an individual or another business entity with an active Florida registration.)

The name and the Florida street address of the registered agent are:

CT CORPORATION SYSTEM

^{Name}
1200 SOUTH PINE ISLAND ROAD

Florida street address (P.O. Box NOT acceptable)

PLANTATION FLORIDA 33324 FL

City, State, and Zip

Having been named as registered agent and to accept service of process for the above stated limited liability company at the place designated in this certificate, I hereby accept the appointment as registered agent and agree to act in this capacity. I further agree to comply with the provisions of all statutes relating to the proper and complete performance of my duties, and I am familiar with and accept the obligations of my position as registered agent as provided for in

Chapter 608, F.S.

Carrie B. Bly

CONNIE BRYAN
SPECIAL ASSISTANT SECRETARY

Registered Agent's Signature (REQUIRED)

(CONTINUED)

Page 1 of 2

RECEIVED

JAN 30 2008

DEP Central Dist.

ARTICLE IV- Manager(s) or Managing Member(s):

The name and address of each Manager or Managing Member is as follows:

Title:

"MGR" = Manager

"MGRM" = Managing Member

Name and Address:

MANAGER

IVAN R. CAIRNS

1122 INTERNATIONAL BLVD., SUITE 601
BURLINGTON, ONTARIO L7L 6Z8

MANAGER

EDWIN D. JOHNSON

5002 T-REX AVENUE, SUITE 200
BOCA RATON, FLORIDA 33431

MANAGER

WILLIAM P. HULLIGAN

5002 T-REX AVENUE, SUITE 200
BOCA RATON, FLORIDA 33431

(Use attachment if necessary)

ARTICLE V: Effective date, if other than the date of filing: JANUARY 1, 2008
(OPTIONAL)

(If an effective date is listed, the date must be specific and cannot be more than five business days prior to or 90 days after the date of filing.)

REQUIRED SIGNATURE:



Signature of a member or an authorized representative of a member.

(In accordance with section 608.408(3), Florida Statutes, the execution of this document constitutes an affirmation under the penalties of perjury that the facts stated herein are true.)

IVAN R. CAIRNS

Typed or printed name of signee

Filing Fees:

\$125.00 Filing Fee for Articles of Organization and Designation
of Registered Agent

\$ 30.00 Certified Copy (Optional)

\$ 5.00 Certificate of Status (Optional)

RECEIVED

JAN 30 2008

DEP Central Dist

20 December 2007

Mr. George Cheriyan, P.E.
Solid and Hazardous Waste Program
Florida Department of Environmental Protection, Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Subject: Revision to Permit Drawings (Ignore Note 3)
Minor Modification Application for Cell 6
Oak Hammock Disposal Facility
Omni Waste of Osceola County, LLC

RECEIVED
DEC 21 2007
FDEP Central Dist.

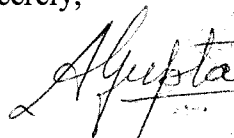
Dear Mr. Cheriyan:

Transmitted herewith are four copies of a letter noting a revision to the permit drawings (Sheets 8R, 9R, 9AR, and 10R) that were originally included in the minor modification application for Cell 6 at the Oak Hammock Disposal Facility (also known as the J.E.D. Solid Waste Management Facility). The minor modification application was submitted to FDEP earlier this month to permit design changes for Cell 6.

As discussed, landfill-related note, Note 3, was inadvertently retained on (and not deleted from) the four permit drawing sheets (Sheets 8R, 9R, 9AR, and 10R). Please ignore this note on all four drawings sheets. It is clarified that Omni intends to construct Cell 6 in accordance with the revised design presented in the minor modification application.

If you or your staff has any questions or need additional information, please feel free to contact the undersigned.

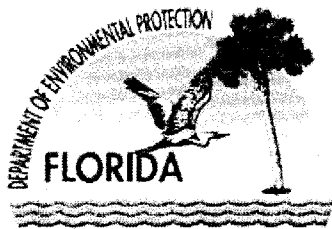
Sincerely,



Ayushman Gupta, P.E.
Senior Engineer

Enclosures

Copy: Mike Kaiser, WSI



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road MS 4565
Tallahassee, Florida 32399-2400

J.E.D. F/K/A
Oak Hammock

Charlie Crist
Governor

Jill Kestkamp
Lt. Governor

Michael W. Solo
Secretary

December 20, 2007

Mr. Mike Kaiser
Omni Waste of Osceola County, LLC
3400 Jones Road
Jacksonville, Florida 32220

Re: WACS 89544 – J.E.D. Solid Waste Management Facility (Cells 1-4) Phase II (Cell 5)

Dear Mr. Kaiser:

I have reviewed the documentation submitted to demonstrate financial assurance for the above referenced facility and find it is in order. Evergreen National Indemnity Company certificate to policy number 851130 for closing, dated December 18, 2007, demonstrates adequate financial assurance in the amount of the Department approved closing cost estimate for vertical expansion of Phase I (Cells 1-4) and Phase II (Cell 5) in the amount of \$5,276,863. The long-term care policy number 851131 remains in the amount of \$5,936,091 and is adequate to cover the approved long-term care cost estimate and will be updated to the new facility name at a later date. Therefore, J.E.D. Solid Waste Management Facility is in compliance with the financial assurance requirements of 40 CFR Part 264, Subpart H, as adopted by reference in Rule 62-701.630, Florida Administrative Code, at this time.

If you have any questions, please contact me at (850) 245-8745.

Sincerely,

Frank Hornbrook
Environmental Specialist
Solid Waste Section

FH

cc: Fred Wick, DEP/TLH
Tom Lubozynski, DEP/ORL

DePradine, Gloria-Jean

From: Hornbrook, Frank
Sent: Thursday, December 20, 2007 8:22 AM
To: Lubozynski, Tom; Cheryan, George; DePradine, Gloria-Jean; Waters, Jeff T.
Subject: J.E.D. Solid Waste Management Facility (formerly: Oak Hammock) permittee: Omni Waste of Osceola County, LLC - WACS 89544
Attachments: J.E.D..pdf

FYI,

This facility has an insurance policy for closing and a separate policy for LTC. The recent vertical expansion estimates, included in the current modification application which also had a change in the facility name, is in a much higher closing amount but a lower LTC amount. Since a lowering of financial requires a Department letter authorizing the reduction, the facility in its haste to complete the expansion modification has decided to update the closing policy to the higher required amount but leave the current LTC policy in the same, higher than needed amount, till this current modification is complete and then they will request a reduction and update the facility name on the LTC policy at that time.

The facility is now in financial compliance for the vertical expansion of Phase I and for the disposal of waste in Phase II, cell 5.

Send Correspondence to:
Solid Waste Financial Coordinator
Florida Department Of Environmental Protection
2600 Blair Stone Rd. MS 4565
Tallahassee, Florida 32399-2400
Att: Frank Hornbrook, Environmental Specialist

Contact Information:
E-mail: Frank.Hornbrook@dep.state.fl.us
Ph: Office (850) 245-8745 Fax: (850) 245-8811
Suncom: 205-8745 Suncom Fax: 205-8811

Website References:

Financial Assurance Website (current inflation factor)

<http://www.dep.state.fl.us/waste/categories/swfr/>

Solid Waste Financial Assurance Forms / Cost Estimate Forms / Permit Forms / Change Forms

http://www.dep.state.fl.us/waste/quick_topics/forms/pages/62-701.htm

Used Oil Website

http://www.dep.state.fl.us/waste/categories/used_oil/default.htm

Used Oil Forms / Financial Assurance Forms / Cost Estimate Forms

http://www.dep.state.fl.us/waste/categories/used_oil/pages/forms.htm

Please note: Florida has a very broad public records law. Most written communications to or from state officials are public records and may be made available to the public or media upon request. This e-mail communication, your reply, and future e-mails to my attention may therefore be subject to public disclosure.

Cheryan, George

From: Lubozynski, Tom
Sent: Monday, December 10, 2007 3:35 PM
To: Williams, Elizabeth; Cheryan, George
Subject: RE: J.E.D. SWMF, Class I-Vertical Expansion rai 0516 for your review and signature

George - as we agreed this morning, this RAI is not necessary because they are working the details with Frank Hornbrook and they have more money than is necessary. If I remembered correctly that this letter is not needed, tell Betty to delete it.

If I remembered incorrectly and we need to send this letter, tell Betty to send it.

Tom

From: Williams, Elizabeth
Sent: Tuesday, December 04, 2007 10:44 AM
To: Lubozynski, Tom
Subject: J.E.D. SWMF, Class I-Vertical Expansion rai 0516 for your review and signature

O:\ADM\BETTY\SW\07-12-04 J.E.D. SWMF, Class I-Vert. Exp. rai-0516.doc

Williams, Elizabeth

From: Lubozynski, Tom
Sent: Monday, December 10, 2007 3:01 PM
To: Cheryan, George; Williams, Elizabeth
Cc: Wykoff, Roxa
Subject: JED Permit Application SC-006 and SO-007

George

I agree. We can consider the application complete. No RAI needed.

In this application they refer to the applications they submitted in 2002 (page 3) and 2006 (page 4). Since those materials are referenced they become part of this application. Please get all the materials and autoindex them. Then give the materials to Betty to put into Oculus. (Also, these materials will have to be referenced in Appendix A (list of materials that comprise the permits) when the permit is drafted.

Betty - if you need help with all the scanning, get with Roxa.

Tom

PERMIT DATA FORM

CHECK

IF

NEW:

0199726

SITE

WAFR

AIR

ID#

ID#:

SITE/WAFR/FACILITY NAME:

JES

PROJECT NAME:

DESC:

TYPE CODE:

SC

SUBCODE:

MM

CHECK IF: GP EXEMPT

CORRECT FEE:

\$250-

PROCESSOR:

SC

AMOUNT RCV'D:

250-

AMOUNT REFUND:

COMPLETED DEC 12 2007

MONIES DUE:

IO ROXA

Memorandum

Florida Department of
Environmental Protection

TO: M. HEIDORN, P.G.
FROM: T. LUBOZYNSKI, P.E.
DATE: DECEMBER 10, 2007

SUBJECT: County: OSCEOLA
Permit/~~000~~: MODIF. OF SC49-0199726-004 & SC49-0199726-005
PERMIT APPL. No. SC49-0199726-008
Facility: J.E.D SOLID WASTE MGMT. FAC., CLASS I - CELL 6
Attachment: - MINOR MODIF ✓

The attached is being sent to you to:

☐ Information only

☒ Review and comments

If review comments are needed, please respond:

☒ By:

(Solid Waste deadline is DEC. 20, 2007)

☐ As soon as possible for your schedule.

Comments: _____

cc: G. DEPRADINE

1/0
DePradine, Gloria-Jean

From: Hornbrook, Frank
Sent: Thursday, November 15, 2007 11:03 AM
To: Michael Kaiser
Cc: Shawn McCash; Kathie Price; Lubozynski, Tom; Cheryan, George; DePradine, Gloria-Jean
Subject: OMNI WASTE OF OSCEOLA COUNTY, LLC - Vertical Expansion of the now named J.E.D. solid waste management facility (formerly Oak Hammock swmf)

Mr. Kaiser,

I have received your letter dated November 12, 2007 as part of an RAI request from our Central District. You stated in this letter that you would be requesting new closing and long-term care amounts for your financial assurance instruments in the amounts of \$5,276,863 for closing and **\$5,813,566** for long-term care in regards to the vertical expansion and Phase 2 Cell 5.

On October 12, 2007 the facility had submitted new estimates, including Phase 2 Cell 5 but not the vertical expansion, which were approved by the Central District in the amount of \$4,860,941 for closing and **\$5,936,091** for long-term care which has been funded. Note that these approved estimates have a higher long-term care amount than that of the estimates you list in the letter dated 11/12/07. Since the facility has two separate insurance policies, one for closing and one for long-term care, at this point you may submit a new or updated closing policy but my Department will need to authorize by letter the reduction in the long-term care policy. I will need to receive District approval for this and I will contact them concerning this lower long-term care amount.

I also note that now would be the time to change the facility name (not permittee) on the new policies when issued. I believe the District is accepting the facility name change as part of the vertical expansion permit modification.

As soon as I have approved long-term care amounts I will prepare an authorization letter, if necessary, and notify you. If you have any questions, feel free to contact me.

Thank you,

Frank Hornbrook

Send Correspondence to:
Solid Waste Financial Coordinator
Florida Department Of Environmental Protection
2600 Blair Stone Rd. MS 4565
Tallahassee, Florida 32399-2400
Att: Frank Hornbrook, Environmental Specialist

Contact Information:
E-mail: Frank.Hornbrook@dep.state.fl.us
Ph: Office (850) 245-8745 Fax: (850) 245-8811
Suncom: 205-8745 Suncom Fax: 205-8811

Website References:
Financial Assurance Website (current inflation factor)
<http://www.dep.state.fl.us/waste/categories/swfr/>
Solid Waste Financial Assurance Forms / Cost Estimate Forms / Permit Forms / Change Forms
http://www.dep.state.fl.us/waste/quick_topics/forms/pages/62-701.htm
Used Oil Website
http://www.dep.state.fl.us/waste/categories/used_oil/default.htm
Used Oil Forms / Financial Assurance Forms / Cost Estimate Forms
http://www.dep.state.fl.us/waste/categories/used_oil/pages/forms.htm

Please note: Florida has a very broad public records law. Most written communications to or from state officials are public records and may be made available to the public or media upon request. This e-mail communication, your reply, and future e-mails to my attention may therefore be subject to public disclosure.

Geosyntec[®]
consultants

RECEIVED
NOV 05 2007
DEP Central Dist.

14055 Riveredge Drive
Suite 300
Tampa, FL 33637

PH 813-558-0990
FAX 813-558-9726

www.geosyntec.com

2 November 2007

Mr. F. Thomas Lubozynski, P.E.
Waste Program Administrator
Solid and Hazardous Waste Program
Florida Department of Environmental Protection, Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Re: 7th Semi-Annual Water Quality Sampling Event
Oak Hammock Disposal Facility (OHDF)
Omni Waste of Osceola County, LLC
Permit Application Nos. SC49-0199726-004 and SO49-0199726-005

Dear Mr. Lubozynski:

The purpose of this letter is to inform the Florida Department of Environmental Protection that the sampling of 57 groundwater monitoring wells, 2 surface water locations, and 5 leachate samples around Phases 1 through 3 at the OHDF is expected to commence during the week of 12 November 2007 and will be performed over a period of approximately 3 weeks. This will be the seventh semi-annual sampling event after completion of construction of Cell 1 (in Phase 1 development) of the facility.

If you have any questions or need additional information, please contact the undersigned.

Sincerely,



Kirk Wills
Project Engineer

cc: M. Kaiser, WSI
M. Heidorn, FDEP

Williams, Elizabeth

From: Shawn McCash [SMcCash@wasteservicesinc.com]
Sent: Monday, October 29, 2007 9:02 AM
To: Williams, Elizabeth
Subject: RE: J.E.D. Solid Waste Mgmt. Fac., Class I - Vertical Expansion rai ltr. 0436

± 0 10-29-07
CME
address -
this is correct

I did receive it on the 17th. Thanks for checking.
Regards,

R. Shawn McCash

Sr. Vice President, Landfill Operations & Engineering



Waste Services, Inc.
5002 T-Rex Avenue, Suite 200
Boca Raton, Florida 33431
(561) 237-3414 [Office]
(561) 237-3491 [Fax]
smccash@wsii.us [eMail]

From: Williams, Elizabeth [mailto:Elizabeth.Williams@dep.state.fl.us]
Sent: Monday, October 29, 2007 8:57 AM
To: Shawn McCash; smccash@wasteservices.com; Shawn McCash
Subject: FW: J.E.D. Solid Waste Mgmt. Fac., Class I - Vertical Expansion rai ltr. 0436

The Department of Environmental Protection values your feedback as a customer. DEP Secretary Michael W. Sole is committed to continuously assessing and improving the level and quality of services provided to you. Please take a few minutes to comment on the quality of service you received. Simply click on [this link to the DEP Customer Survey](#). Thank you in advance for completing the survey.

From: Williams, Elizabeth
Sent: Wednesday, October 24, 2007 8:42 AM
To: 'smccash@wsii.us'
Subject: FW: J.E.D. Solid Waste Mgmt. Fac., Class I - Vertical Expansion rai ltr. 0436

Mr. McCash:
Did you receive this e-mail. It was mailed to you Oct. 17.
Elizabeth Williams

From: Williams, Elizabeth
Sent: Wednesday, October 17, 2007 7:54 AM
To: 'smccash@wasteservices.com'
Cc: 'agupta@geosyntec.com'
Subject: J.E.D. Solid Waste Mgmt. Fac., Class I - Vertical Expansion rai ltr. 0436

89544
100

Attached is an Adobe Acrobat version of the "J.E.D. SW Mgmt. Fac." from the Central District of the Florida Department of Environmental Protection.

This email is an alternative to a hard copy being sent by the United States Postal Service. You will need Adobe Acrobat to view the attachment. A free viewer is available at <http://www.adobe.com>

Please acknowledge receipt of this document by email within 3 days at elizabeth.williams@dep.state.fl.us

If you would still like to receive a hard copy, please email me. Thank you. Solid Waste Section.

Elizabeth Williams
elizabeth.williams@dep.state.fl.us
Administrative Secretary - Waste Management
Dept. of Environmental Protection
3319 Maguire Blvd., Ste. 232
Orlando, FL 32803
Telephone 407/893-3328
Suncom 325-3328
FAX 407/893-3124

CONFIDENTIALITY NOTICE: The information transmitted in this email is intended for the addressee and may contain confidential information of Waste Services Inc. or its affiliated corporations. Any unauthorized review, distribution or use or the taking of any action in reliance on the information contained in this email or any attachments is strictly prohibited. If you have received this message in error, please delete or destroy it, all attachments and any copies, and notify the sender.

FO 10-24-07 Ebu

Williams, Elizabeth

From: Matt Orr [MOrr@wasteservicesinc.com]
To: Williams, Elizabeth
Sent: Wednesday, October 24, 2007 9:07 AM
Subject: Read: FW: Oak Hammock Disposal Fac. cert. of const. completion-Cell 5 ltr. 0466

Your message

To: MOrr@wasteservicesinc.com
Subject:

was read on 10/24/2007 9:07 AM.



Florida Department of Environmental Protection

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

ELECTRONIC MAIL

October 19, 2007

Mr. Matthew I. Orr, District Manager
(morr@wsii.us)
Waste Services, Inc.
1501 Omni Way
Holopaw, Florida 34773

OCD-SW-07-0466

Osceola County SW
Oak Hammock Disposal Facility
Certification of Construction Completion – Cell 5

Dear Mr. Orr:

This will acknowledge receipt on October 18, 2007, of the *Certification of Construction Completion of a Solid Waste Management Facility*, dated October 17, 2007, by Ayushman Gupta, P.E. of Geosyntec Consultants, addressing Cell 5.

Based upon an inspection by James Bradner, P.E. conducted on October 11, 2007, and Mr. Bradner's review of the certification report, construction of Cell 5, as certified by the Engineer of Record, has been completed and is substantially consistent with plans and specifications approved under DEP Permits SC49-0199726-004 and SC49-0199726-005. Accordingly, solid waste may be placed in Cell 5 for disposal.

Neither this letter nor any prior agreement with the Department relieves you of the responsibility of complying with any applicable ordinances, rules, or laws of any local, county, state, or federal government entity.

Please contact me at 407-893-3328 if you have questions or need further information.

Sincerely,

For:

F. Thomas Lubozynski, P.E.
Waste Program Administrator

FTL/jnb

cc: Ayushman Gupta, P.E., Geosyntec Consultants (agupta@geosyntec.com)
Danny Sheaffer, Osceola County (dshe@osceola.org)

RECEIVED

OCT 18 2007

14055 Riveredge Drive, Suite 300
Tampa, Florida 33637
PH 813.558.0990
FAX 813.558.9726
www.geosyntec.com

17 October 2007

DEP Central Dist.

Mr. F. Thomas Lubozynski, P.E.
Solid and Hazardous Waste Program
Florida Department of Environmental Protection, Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Subject: Certification Report – Cell 5 and Storm Water Management System
Oak Hammock Disposal Facility, Waste Services, Inc.
Permit Application No. SC49-0199726-004

Dear Mr. Lubozynski:

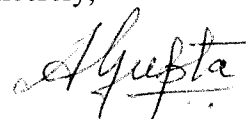
Submitted herewith are two (2) copies of the certification report (including Record Drawings) for construction of Cell 5 and storm water management system at the Oak Hammock Disposal Facility in Osceola County, Florida. FDEP form #62-701.900(2) titled *Certification of Construction Completion of a Solid Waste Management Facility*, duly completed and signed, is also attached. A compact disk (CD) containing a PDF of this certification report and the construction drawings (used in the construction of Cell 5 and storm water management system) is presented on the inside of the front cover of the report.

FDEP performed a site inspection of the recent construction activities on 11 October 2007. Mr. Jim Bradner performed a site inspection of Cell 5 and Ms. Debra Laisure performed a site inspection of the storm water system (to allow the transfer of the Individual ERP for Phase 2 expansion from construction to operation phase).

It is also noted that as part of Cell 5 construction, 24 groundwater monitoring wells were installed and 10 monitoring wells/piezometers were abandoned. As noted in Section 7 of the certification report, Geosyntec will be submitting a separate report discussing the installation, development, and sampling of the groundwater monitoring wells, and abandonment of the monitoring wells/piezometers.

If you have any questions or need additional information, please do not hesitate to contact the undersigned.

Sincerely,



Ayushman Gupta, P.E.
Senior Engineer

Enclosure

Copy: Mr. Mike Kaiser, Waste Services, Inc.

Williams, Elizabeth

10-18-07
epu

From: Hornbrook, Frank
To: Williams, Elizabeth
Sent: Thursday, October 18, 2007 7:08 AM
Subject: Read: J.E.D. SW Mgmt. Fac., Class I - Cells 1 to 5 financial memo 0453

Your message

To: Wick, Fred
Cc: Hornbrook, Frank
Subject: J.E.D. SW Mgmt. Fac., Class I - Cells 1 to 5 financial memo 0453
Sent: 10/17/2007 8:38 AM

was read on 10/18/2007 7:07 AM.

70-1707
CNU

Memorandum

Florida Department Of
Environmental Protection

CENTRAL DISTRICT

TO: Fred Wick
Financial Coordinator
Solid Waste Section
MS-4565
Division of Waste Management

OCD-SW-07-0453

FROM: F. Thomas Lubozynski, P.E.
Waste Program Administrator

DATE: October 17, 2007

SUBJECT: Osceola County – SW
J.E.D. Solid Waste Management Facility, Class I – Cells 1 to 5
(f/k/a Oak Hammock Disposal, Class I)
Review of Closure/Long-Term Care Cost Estimates

3
FOR

We have reviewed the closure and long-term care cost estimates dated October 2, 2007 and received on October 8, 2007, for the facility referenced above. They used the 2007 inflation adjustment factor of 1.03. The Central District accepts it as adequate for the site at this time.

The signed original cost estimates are in the Central District's file. A copy is available in Oculus in Solid Waste/Fiscal/Financial Responsibility.

Please feel free to contact me if you need any additional information.

JNB/gc/ew

Enclosure

cc: Frank Hornbrook – DEP – Tallahassee – MS-4565

IC 10-17-07
EON



Florida Department of Environmental Protection

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

By E-Mail

smccash@wasteservices.com

inc.com correct address

Mr. Shawn McCash
Omni Waste of Osceola County, LLC
1501 Omni Way
St. Cloud, FL 34473

OCD-SW-07-0436

Osceola County – SW
J.E.D. Solid Waste Management Facility, Class I – Vertical Expansion
(f/k/a Oak Hammock Disposal, Class I)
Modification of Permit Nos. SC49-0199726-004 & SO49-0199726-005
Permit Application Nos. SC49-0199726-006 & SO49-0199726-007

Dear Mr. McCash:

Your application for permit modification dated September 17, 2007, and received September 18, 2007, is incomplete. Please provide the information listed on the attached sheet promptly. Evaluation of your application will be delayed until all the requested information has been received.

Pursuant to Section 120.60(2), Florida Statutes, the Department may deny an application, if the applicant, after receiving timely notice, fails to correct errors and omissions, or supply additional information within a reasonable period of time. Accordingly, please provide the additional information within 30 days of the date you receive this letter. Submit three copies of the requested information to the Department and reference the above permit application number in your correspondence.

If you have any questions, please contact me at (407) 893-3328.

Sincerely,

James N. Bradner

For:

F. Thomas Lubozynski, P.E.
Waste Program Administrator

Date: October 17, 2007

FTL/jb/gc/ew

Enclosure

cc: Ayushman Gupta, P.E. – GeoSyntec Consultants agupta@geosyntec.com

Note that all references to "Report" in the following text refer to the documents entitled, "Major Modification Application for Vertical Expansion of the J.E.D. Solid Waste Management Facility, Phases 1 Through 3, Volume 1 of 2 and 2 of 2," prepared by: Geosyntec Consultants, Tampa, Florida, dated September 2007.

1. Submit proof of publication of Notice of Application as required in Department of Environmental Protection letter OCD-SW-07-0393 dated September 21, 2007.
2. Volume 1 – Page 12, Section 6.10 of the Report indicates that the financial mechanism will be updated to include any new cell that is constructed at the J.E.D. facility at least thirty (30) days prior to acceptance of waste in the new cell. Based on Rule 62-701.630(2)(b), F.A.C., the financial mechanism shall be created, and alternate financial mechanisms shall be fully funded, at least 60 days prior to the acceptance of any solid waste at the facility. Comment, and provide any necessary updates to the financial assurance mechanism.
3. In Volume 1, Appendix A of the Report, DEP Form 62-701.900(1), Page 9 of 40. Part C, Non-disposal Facility General Information, was left blank. If Part C is not applicable, submit the revised page with the words "Not Applicable" in parentheses next to the page heading.
4. Volume 2. Appendix L of the Report referencing the Financial Assurance Cost Estimate shows detailed closure and long-term care cost estimates for Phases 1 through 3 (Cells 1 through 10). The approved financial assurance mechanism must be fully funded in the amount of the closure and long-term cost estimates unless the permittee requests phased financial assurance with the necessary provisions and constraints. A request for phased financial assurance must include specific documentation, including narrative information and drawings, signed and sealed by the Engineer of Record, to ensure that the disposal of solid waste will take place only within the designated area for which financial assurance is provided. The permittee must also apply for and receive a permit modification, which includes updated closure and long-term care cost estimates, and must provide an updated financial assurance mechanism before beginning waste fill operations in each subsequent cell.
5. The Training Plan in Vol. 2 of 2 – Appendix M in the Report needs to be revised and meet the following requirements of Rule 62-701.320(15), F.A.C.:
 - a) Include the initial and continuing training requirements (hours) for operators and spotters of landfills.
 - b) Provide an anticipated schedule for training of individual employees, including the employee's name and title, the date when training is due and what class the employee will attend to meet the 3-year requirement of continuing education, Rule 62-701.320(15), F.A.C.).
 - c) The Training Plan shall include but not be limited to:
 - A mechanism for providing proof of training.
 - Acknowledgement that all training courses, whether public or in-house, shall be approved by the Department in accordance with Section 403.716, F.S., and that a third party must administer any examination required by this sub-section for an in-house operator-training program.
 - Acknowledgement that any other in-house operator-training program must be administered by a trained operator, and that the Training Plan, along with records documenting how the Training Plan is being implemented, shall be kept at the Facility at all times and be made available for inspection by Department staff.
6. This comment refers to Volume 2, Appendix M of the report—the Operation Plan. Section 5.4.1 on page 31 of the Operation Plan states that "A list of individuals and emergency response agencies to contact in the event of a release of contamination to the environment is provided in Appendix B" [of the Operation plan]. The correct reference is Appendix C [of the Operation Plan]. Make the necessary correction and submit the revised page.

7. A financial mechanism must be funded in the amount of the sum of the total closure and long-term care costs specified in the approved cost estimate and accepted by the Department's Financial Coordinator before this application can be deemed complete. Financial responsibility arrangements for the facility for the approved amounts are to be made with the Financial Coordinator, Solid Waste Section, MS-4565, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, and a **copy of the approval letter submitted to:** Department of Environmental Protection, Central District, Solid Waste Section, 3319 Maguire Boulevard, Suite 232, Orlando, Florida 32803-3767.

Catalog	SOLID WASTE
---------	-------------

Administrative	
Discovery Compliance	
Cleanup	
Enforcement Legal	
Fiscal	
Permitting	X

County	Osceola
Facility ID #	89544
Document Date	
Received Date	
Doc Type	RAI
Contractor ID	
Facility Type	100
Document Subject	JED SWMF, Class I-Vertical Expansion. Permit Appl. Nos. SC49-0199726- 006 & SO49-0199726-007

File
Copy

DePradine, Gloria-Jean

From: Michael Kaiser [mkaiser@wasteservicesinc.com]
Sent: Tuesday, October 09, 2007 12:13 PM
To: Hornbrook, Frank
Cc: Shawn McCash; Cheryan, George; Lubozynski, Tom; DePradine, Gloria-Jean; Kathie Price; Matt Orr; Ayushman Gupta
Subject: RE: Oak Hammock Disposal Facility Policy #'s 850576 and 850577

Mr. Hornbrook,

Thanks for the information. I am working with Evergreen National Indemnity Company to update/increase the certificates for the amounts listed. We have requested a name change with the recent vertical expansion application. I would prefer to keep the existing name (Oak Hammock Disposal Facility) current until the vertical expansion permit effort is completed. I did not catch the facility name listed as (JED) on the form. I will revise the form and resubmit if needed to list the facility as Oak Hammock Disposal Facility. Please let me know if you need the form changed.

Thanks,

Mike Kaiser

From: Hornbrook, Frank [mailto:Frank.Hornbrook@dep.state.fl.us]
Sent: Tuesday, October 09, 2007 11:12 AM
To: Michael Kaiser
Cc: Shawn McCash; Cheryan, George; Lubozynski, Tom; DePradine, Gloria-Jean; Kathie Price
Subject: Oak Hammock Disposal Facility Policy #'s 850576 and 850577

Mr. Kaiser,

I have received new estimates adding Phase II Cell 5 to the existing Phase I Cells 1-4 for the above referenced facility.

The amounts listed on the estimate are:

Closing: \$4,860,941

Long-term Care: \$5,936,091

Total: \$10,797,032

The current financial assurance on file is an Evergreen National Indemnity Company closing insurance policy in the amount of \$4,192,484.00 and a long-term care policy in the amount of \$3,933,365.00.

I now need a financial assurance update/increase to the newly submitted amounts.

I have also noted in a recent application for a vertical expansion and on the estimate form just submitted the facility name being listed as JED or Oak Hammock Disposal Facility (JED). If you wish to change the facility name you will need to submit a facility name change form (there is no charge involved) and update the financial assurance to this new "facility" name. The permittee name and the insured will remain **Omni Waste of Osceola County, LLC**.

I will be happy to send you a name change form if you wish to change the facility name during this financial update.

If you have any questions or need further assistance, feel free to contact me.

Thank you,

Frank Hornbrook

Send Correspondence to:

Solid Waste Financial Coordinator

Florida Department Of Environmental Protection

2600 Blair Stone Rd. MS 4565

Tallahassee, Florida 32399-2400

Att: Frank Hornbrook, Environmental Specialist

Contact Information:

E-mail: Frank.Hornbrook@dep.state.fl.us

Ph: Office (850) 245-8745 Fax: (850) 245-8811

Suncom: 205-8745 Suncom Fax: 205-8811

Website References:

Financial Assurance Website (current inflation factor)

<http://www.dep.state.fl.us/waste/categories/swfr/>

Solid Waste Financial Assurance Forms / Cost Estimate Forms / Permit Forms / Change Forms

http://www.dep.state.fl.us/waste/quick_topics/forms/pages/62-701.htm

Used Oil Website

http://www.dep.state.fl.us/waste/categories/used_oil/default.htm

Used Oil Forms / Financial Assurance Forms / Cost Estimate Forms

http://www.dep.state.fl.us/waste/categories/used_oil/pages/forms.htm

Please note: Florida has a very broad public records law. Most written communications to or from state officials are public records and may be made available to the public or media upon request. This e-mail communication, your reply, and future e-mails to my attention may therefore be subject to public disclosure.

The Department of Environmental Protection values your feedback as a customer. DEP Secretary Michael W. Sole is committed to continuously assessing and improving the level and quality of services provided to you. Please take a few minutes to comment on the quality of service you received. Simply click on this link to the DEP Customer Survey. Thank you in advance for completing the survey.

CONFIDENTIALITY NOTICE: The information transmitted in this email is intended for the addressee and may contain confidential information of Waste Services Inc. or its affiliated corporations. Any unauthorized review, distribution or use or the taking of any action in reliance on the information contained in this email or any attachments is strictly prohibited. If you have received this message in error, please delete or destroy it, all attachments and any copies, and notify the sender.



3400 Jones Road, Jacksonville, FL 32220

October 2, 2007

Mr. Thomas Lubozynski, P.E.
Waste Program Administrator
Florida Department of Environmental Protection
Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

RECEIVED
OCT 08 2007
DEP Central Dist.

Mr. Frank Hornbrook
Solid Waste Financial Coordinator
Florida Department of Environmental Protection
2600 Blair Stone Rd. MS 4565
Tallahassee, Florida 32399-2400

Re: Closure and Long-Term Care Cost Updates to Include Cell 5
Oak Hammock Disposal Facility
Osceola County, Florida
Permit Nos. SC49-0199726-004 and SO49-0199726-005

Dear Mr. Lubozynski and Mr. Hornbrook:

Please find enclosed updates to the closure and long-term care costs estimates for the Oak Hammock Disposal Facility (OHDF) in Osceola County, Florida. The closure and long-term care cost estimates have been updated to include the recently constructed Cell 5 disposal area in accordance with the facility's solid waste disposal permit.

The updated costs include the closure and long-term care costs for Cells 1-4 approved by the FDEP in April under the 2007 Annual Inflation Factor Adjustment (closure - \$4,051,365.95 and long term care - \$4,318,258.31);

- and -

The Cell 5 cost estimates approved during the 5-year permit renewal application submitted in September 2006 (see Section 6, Page 53 of the 2006 Solid Waste Renewal Permit Application). The 2007 Annual Inflation Factor Adjustment (1.03) has been applied to the Cell 5 estimates (closure - $\$785,995 * 1.03 = \$809,574.85$ and long-term care - $\$1,570,711 * 1.03 = \$1,617,832.33$). Total updated costs are provided below:

COMPLETED 1 7 2007

10 ROYAL

Total Closure - \$4,860,941

Total Long-Term Care - \$5,936,091

The updates costs have been forwarded to our insurance provider Evergreen National Indemnity Company for issuance of new insurance certificates. Please feel free to contact me at (904) 673-0446, e-mail mkaiser@wsii.us, if you have any questions.

Sincerely,

A handwritten signature in cursive script that reads "Mike Kaiser".

Mike Kaiser
VP, Environmental Management and Engineering
Waste Services, Inc.

Cc:

Mr. Mr. Shawn McCash, WSI

Mr. Matt Orr, WSI

Mr. Ayushman Gupta, Geosyntec

Ms. Kathie Price, Evergreen National



Florida Department of Environmental Protection

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

DEP Form # 62-701.900(28)
Form Title Financial Assurance Cost Estimate Form
Effective Date 05-27-01
DEP Application No. _____
(Filled by DEP)

FINANCIAL ASSURANCE COST ESTIMATE FORM

Date: 2 October 2007

Date of DEP Approval: _____

I. GENERAL INFORMATION:

Facility Name: Oak Hammock Disposal Facility (JED) WACS or GMSID #: 89544
Permit / Application No.: SC49-0199726-004/S049-0199726-005 Expiration Date: 11 November 2011
Facility Address: 1501 Omni Way, St. Cloud, FL 34773
Permittee: Omni Waste of Osceola County, LLC
Mailing Address: 1501 Omni Way, St. Cloud, FL 34773

Latitude: 28 03 31 Longitude: 81 05 46 or UTM: _____

Solid Waste Disposal Units Included in Estimate:

Phase / Cell	Acres	Date Unit Began Accepting Waste	Design Life of Unit From Date of Initial Receipt of Waste
PH 1 / Cell 1	18	Jan 2004	
PH 1 / Cell 2	12	Jun 2006	
PH 1 / Cell 3	12	Dec 2006	
PH 1 / Cell 4	11	Sep 2005	
PH 2 / Cell 5	11.2	Expected in Oct 2007	Life of Phase 2 is approx. 3 years

Total Landfill Acreage included in this estimate. 64.2 Closure 64.2 Long-Term Care

Type of facility: ☒ Class I ☐ Class III ☐ C&D Debris Disposal ☐ Other

II. TYPE OF FINANCIAL ASSURANCE DOCUMENT (Check Type)

☐ Letter of Credit* ☒ Insurance Certificate
☐ Surety Bond* ☐ Escrow Account
☐ Trust Fund Agreement ☐ Financial Test

*Indicates mechanisms that require use of a Standby Trust Fund Agreement

Northwest District
160 Governmental Center
Pensacola, FL 32501-5794
850-595-8360

Northeast District
7825 Baymeadows Way, Ste. B200
Jacksonville, FL 32256-7590
904-448-4300

Central District
3319 Maguire Blvd., Ste. 232
Orlando, FL 32803-3767
407-894-7555

Southwest District
3804 Coconut Palm Dr.
Tampa, FL 33619
813-744-6100

South District
2295 Victoria Ave., Ste. 364
Fort Myers, FL 33901-3881
941-332-6975

Southeast District
400 North Congress Ave.
West Palm Beach, FL 33401
561-681-6600

III. ESTIMATE ADJUSTMENT

40 CFR Part 264 Subpart H as adopted by reference in Rule 62-701.630, Florida Administrative Code sets forth the method of annual cost estimate adjustment. Cost estimates may be adjusted by using an inflation factor or by recalculating the maximum costs of closure in current dollars. Select one of the methods of cost estimate adjustment below.

☒ (a) Inflation Factor Adjustment to include Cell 5

Inflation adjustment using an inflation factor may only be made when a Department approved closure cost estimate exists and no changes have occurred in the facility operation which would necessitate modification to the closure plan. The inflation factor is derived from the most recent Implicit Price Deflator for Gross National Product published by the U.S. Department of Commerce in its survey of Current Business. The inflation factor is the result of dividing the latest published annual Deflator by the Deflator for the previous year. The inflation factor may also be obtained from the Solid Waste Financial Coordinator at (850)-245-8732.

This adjustment is based on the Department approved closure cost estimate dated:		30 April 2007
Latest Department Approved Closure Cost Estimate:	Current Year Inflation Factor	Inflation Adjusted Closure Cost Estimate:
_____	X _____	\$ 4,860,941
This adjustment is based on the Department approved long-term care cost estimate dated:		30 April 2007
Latest Department Approved Annual Long-Term Care Cost Estimate:	Current Year Inflation Factor	Inflation Adjusted Annual Long-Term Care Cost Estimate:
_____	X _____	\$ 5,936,091 (for 30 years)
Number of Years of Long Term Care Remaining:		X _____
Inflation Adjusted Long-Term Care Cost Estimate:		= \$ 5,936,091 (for 30 years)

☐ (b) Recalculate Estimates (see section V)

IV. CERTIFICATION BY ENGINEER

This is to certify that the Financial Assurance Cost Estimates pertaining to the engineering features of the this solid waste management facility have been examined by me and found to conform to engineering principals applicable to such facilities. In my professional judgement, the Cost Estimates are a true, correct and complete representation of the financial liabilities for closing and long-term care of the facility and comply with the requirements of Florida Administrative Code (F.A.C.), Rule 62-701.630 and all other Department of Environmental Protection rules, and statutes of the State of Florida. It is understood that the Financial Assurance Cost Estimates shall be submitted to the Department **annually**, revised or adjusted as required by Rule 62-701.630(4), F.A.C.

Ayushman Gupta 10/2/07
Signature of Engineer

Ayushman Gupta, Senior Engineer

Name & Title (please type)

54023

Florida Registration Number (affix seal)

14055 Riveredge Dr. Suite 300, Tampa, FL 33637

Mailing Address

(813) 558 - 0990

Telephone Number

R. Shawn McCash
Signature of Owner/Operator

R. Shawn McCash, Senior Vice President

Name & Title (please type)

(561) 237 - 3414

Telephone Number

smccash@wasteservicesinc.com

Owner/Operator E-Mail Address

agupta@geosyntec.com

Engineer E-Mail Address

Cheryan, George

From: AGupta@Geosyntec.com
Sent: Tuesday, October 16, 2007 9:07 AM
To: Lubozynski, Tom; Cheryan, George
Cc: SMCash@wasteservicesinc.com; mkaiser@wasteservicesinc.com
Subject: JED Vertical Expansion NOA - Proof of Publication
Attachments: Proof-JED SW NOA.pdf

Mr. Lubozynski,

Please find the proof of publication for the NOA issued by FDEP related to the major modification application for vertical expansion of the J.E.D. Solid Waste Management (JED) facility in Osceola County, FL. The NOA was published in the Orlando Sentinel on 28 Sept 2007. The proof of publication is being submitted on behalf of WSI, owner of the JED facility.

Please let me know if you have any questions or comments. Thanks

Ayushman Gupta, P.E.
Senior Engineer

14055 Riveredge Drive #300
Tampa, FL - 33637
Phone: 813-558-0990 x 235
Fax: 813-558-9726
www.Geosyntec.com

Geosyntec
consultants

engineers | scientists | environmentalists

This electronic mail message contains information that (a) is or may be LEGALLY PRIVILEGED, CONFIDENTIAL, PROPRIETARY IN NATURE, OR (b) FROM DISCLOSURE, and (b) is intended only for the use of the Addressee(s) named herein. If you are not the intended recipient, an addressee, or the person to whom the message is addressed, you are hereby notified that reading, using, copying, or distributing any part of this message is strictly prohibited. If you have received this electronic message in error, please notify the sender immediately and take the steps necessary to delete the message completely from your computer system.

Orlando Sentinel

Published Daily

State of Florida } S.S.
COUNTY OF ORANGE }

Before the undersigned authority personally appeared Rachael Washington, who on oath says that he/she is the Legal Advertising Representative of Orlando Sentinel, a daily newspaper published at Orlando in Orange County, Florida; that the attached copy of advertisement, being a Legal Notice in the matter of J.E.D. facility in the Orange Court, was published in said newspaper in the issue; of 09/28/07

Affiant further says that the said Orlando Sentinel is a newspaper published at Orlando, in said Orange County, Florida, and that the said newspaper has heretofore been continuously published in said Orange County, Florida, each Week Day and has been entered as second-class mail matter at the post office in Orlando in said Orange County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that he/she has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund fro the purpose of securing this advertisement for publication in the said newspaper.

The foregoing instrument was acknowledge before me this 28 day of September, 2007, by Rachael Washington, who is personally known to me and who did take an oath.

(SEAL)

Order# 501060

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION NOTICE OF APPLICATION

The Department announces receipt of an application for permit modification from Omni Waste of Osceola County, LLC/Shawn McCashy, 1501 Omni way, St. Cloud, FL 34773, for the vertical expansion of the J.E.D. facility to maximum elevation of 330 ft. (NGVD), including design modification for future cells (Cells 7 through 21) that will be constructed at the J.E.D. facility. This project is located west of Highway U.S. 441, approximately 6.5 miles south of Holopaw, in eastern Osceola County, Florida.

This application is being processed and is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department of Environmental Protection, 3319 Maguire Blvd., Suite 232, Orlando, FL 32803-3767, telephone 407-893-3328. Any comment or objections should be filed in writing with the Department at this address. Comments or objections should be submitted as soon as possible to ensure that there is adequate time for them to be considered in the Department decision on the application.

COR501060-SEPT.28

Cheryan, George

From: Heidorn, Marjorie
Sent: Tuesday, October 02, 2007 9:02 AM
To: Cheryan, George
Cc: Lubozynski, Tom; DePradine, Gloria-Jean; Williams, Elizabeth
Subject: Review-JED (FKA Oak Hammock)-mod application submittal

George,

Below is a link to the GW memo which basically states:

- GW has no questions for the modification RAI.
- GW intends to update the MPIS when the modification is issued.

Marjorie

<S:\Solid Waste\SW Facilities\Osceola\Oak Hammock\Groundwater-Surfacewater\Permitting\071002-Oak Hammock.doc>

Marjorie Heidorn P.G.
FDEP Waste Management
Solid Waste Permitting
3319 Maguire Blvd. Suite 232
Orlando, FL 32803
(407) 893-3320
Suncom 325-3320
Marjorie.Heidorn@dep.state.fl.us

Memorandum

Environmental Protection

CENTRAL DISTRICT

To: George Cheryan

Date: 10/2/2007

Subject: JED (FKA Oak Hammock) **Application for a Permit Modification**

County: Osecola

Notes:

1. I have reviewed the application and it appears that the ground water issues have already been covered in the March 2007 permit.
2. The MPIS will be modified to reflect the current status of recently installed wells that have already been permitted for the next phase.
3. GW does not have any questions for this RAI.

10 9-24-07
EBH

Williams, Elizabeth

From: Shawn McCash [SMcCash@wasteservicesinc.com]
To: Williams, Elizabeth
Sent: Friday, September 21, 2007 1:03 PM
Subject: Read: J.E.D. Solid Waste Management Facility, Class I Vertical Expansion ltr. 0393

Your message

To: SMcCash@wasteservicesinc.com
Subject:

was read on 9/21/2007 1:03 PM.

Catalog	SOLID WASTE
---------	-------------

Administrative	
Discovery Compliance	
Cleanup	
Enforcement Legal	
Fiscal	
Permitting	X

County	Osceola
Facility ID #	89544
Document Date	
Received Date	
Doc Type	Outgoing Correspondence
Contractor ID	
Facility Type	100
Document Subject	Notice of Appl. J.E.D.SWMF, Class I- Vertical Expansion. Permit Appl.SC49-0199726- 006&SO49-0199726-007

Permit App. Retained

FO 9-21-07

Williams, Elizabeth

From: HARIDOPOLOS.MIKE.WEB [HARIDOPOLOS.MIKE.WEB@flsenate.gov]
Sent: Friday, September 21, 2007 1:06 PM
To: Williams, Elizabeth
Subject: RE: J.E.D. Solid Waste Management Facility, Class I Vertical Expansion Itr. 0395

Thank you for taking the time to contact me by e-mail. Each day I receive several hundred e-mails and I use this automated response to verify receipt of your correspondence.

Although I would like to respond to each and every e-mail personally, it is my responsibility to first serve the constituents of District 26. (**Senate District 26 includes portions of Brevard, Indian River, Osceola, and St. Lucie counties.**) In order to serve you better, it is important to include your name, address, zip code, and phone number on your e-mail.

Should you require additional information or assistance, please contact me at the numbers given below. My staff and I look forward to assisting you.

DISTRICT OFFICE:

(321) 752-3131 or **Toll Free 1-866-896-6885**

1360 Sarno Road, Suite C, Melbourne, FL 32935

CAPITOL OFFICE:

(850) 487-5056

322 Senate Office Building, 404 South Monroe Street, Tallahassee, FL 32399-1100

Sincerely,

Senator Mike Haridopolos



Florida Department of Environmental Protection

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

IO 9-21-07
Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

By E-Mail
blan@osceola.org

Honorable Bill Lane
County Commissioner, District 5
One Court House Square, Suite 4700
Kissimmee, FL 34741

OCD-SW-07-0396

Osceola County – SW
J.E.D. Solid Waste Management Facility, Class I – Vertical Expansion
(f/k/a Oak Hammock Disposal, Class I)
Notice of Application
Modification of Permit Numbers SC49-0199726-004 & SO49-0199726-005
Permit Numbers SC49-0199726-006 & SO49-0199726-007

Dear Commissioner Lane:

The Department announces receipt of an application from Omni Waste of Osceola County, LLC/Shawn McCash, 1501 Omni Way, St. Cloud, FL 34773, for the vertical expansion of the J.E.D. facility to maximum elevation of 330 ft. (NGVD), including design modification for future cells that will be constructed at the J.E.D. facility.

The project is located west of Highway U. S. 441, approximately 6.5 miles south of Holopaw, in eastern Osceola County, Florida.

The application is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department of Environmental Protection, 3319 Maguire Boulevard, Suite 232, Orlando, Florida 32803-3767, telephone 407/893-3328.

Sincerely,

F. Thomas Lubozynski, P. E.
Waste Program Administrator

Date: September 21, 2007

FTL/gc/ew

IO 9.21-07
PBA



Florida Department of Environmental Protection

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

By E-Mail

Haridopolos.mike.web@flsenate.gov

Honorable Mike Haridopolos
State Senator, District 26
404 South Monroe Street
Tallahassee, FL 32399

OCD-SW-07-0395

Osceola County – SW
J.E.D. Solid Waste Management Facility, Class I – Vertical Expansion
(f/k/a Oak Hammock Disposal, Class I)
Notice of Application
Modification of Permit Numbers SC49-0199726-004 & SO49-0199726-005
Permit Numbers SC49-0199726-006 & SO49-0199726-007

Dear Senator Haridopolos:

The Department announces receipt of an application from Omni Waste of Osceola County, LLC/Shawn McCash, 1501 Omni Way, St. Cloud, FL 34773, for the vertical expansion of the J.E.D. facility to maximum elevation of 330 ft. (NGVD), including design modification for future cells that will be constructed at the J.E.D. facility.

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Sincerely,

F. Thomas Lubozynski, P. E.
Waste Program Administrator

Date: September 21, 2007

FTL/gc/ew

IO 9-21-07
Ebu



Florida Department of Environmental Protection

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

By E-Mail

Frank.attkisson@myfloridahouse.gov

Honorable Frank Attkisson
State House Representative, District 79
402 South Monroe Street
Tallahassee, FL 32399

OCD-SW-07-0394

Osceola County – SW
J.E.D. Solid Waste Management Facility, Class I – Vertical Expansion
(f/k/a Oak Hammock Disposal, Class I)
Notice of Application
Modification of Permit Numbers SC49-0199726-004 & SO49-0199726-005
Permit Numbers SC49-0199726-006 & SO49-0199726-007

Dear Representative Attkisson:

The Department announces receipt of an application from Omni Waste of Osceola County, LLC/Shawn McCash, 1501 Omni Way, St. Cloud, FL 34773, for the vertical expansion of the J.E.D. facility to maximum elevation of 330 ft. (NGVD), including design modification for future cells that will be constructed at the J.E.D. facility.

The project is located west of Highway U. S. 441, approximately 6.5 miles south of Holopaw, in eastern Osceola County, Florida.

The application is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department of Environmental Protection, 3319 Maguire Boulevard, Suite 232, Orlando, Florida 32803-3767, telephone 407/893-3328.

Sincerely,

F. Thomas Lubozynski, P. E.
Waste Program Administrator

Date: September 21, 2007

FTL/gc/ew



Florida Department of Environmental Protection

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

70 9-21-07
EHL
Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

By E-Mail
smccash@wasteservices.com

Mr. Shawn McCash
Omni Waste of Osceola County, LLC
1501 Omni Way
St. Cloud, FL 34473

OCD-SW-07-0393

Osceola County – SW
J.E.D. Solid Waste Management Facility, Class I – Vertical Expansion
(f/k/a Oak Hammock Disposal, Class I)
Notice of Application
Modification of Permit Nos. SC49-0199726-004 & SO49-0199726-005
Permit Application Nos. SC49-0199726-006 & SO49-0199726-007

Dear Mr. McCash:

Under Section 403.815 of the Florida Statutes and Rule 62-701.320(8)(a) of the Florida Administrative Code, you (the applicant) are required to publish at your own expense the enclosed Notice of Application. The notice must be published one time only within 14 days of receipt of this letter, or if your application is not yet complete, within 14 days of submittal of a complete application. The notice must be published in the legal ad section of a newspaper of general circulation in the area affected. For the purpose of this rule, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of section 50.011 and 50.031 of the Florida Statutes in the county where the activity is to take place. Where there is more than one newspaper of general circulation in the county, the newspaper used should be one with significant circulation in the area that may be affected by the permit. If you are uncertain that a newspaper meets these requirements, please contact the undersigned at the address or telephone number listed below.

The applicant must provide proof of publication to the Department, at the Department of Environmental Protection, 3319 Maguire Boulevard, Suite 232, Orlando, FL 32803-3767, telephone (407) 893-3328, within seven days of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit.

Sincerely,

F. Thomas Lubozynski, P.E.
Waste Program Administrator

Date: September 21, 2007

FTL/gc/ew
Enclosure
cc: Ayushman Gupta, P.E. – Geosyntec Consultants agupta@geosyntec.com

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOTICE OF APPLICATION

The Department announces receipt of an application for permit modification from Omni Waste of Osceola County, LLC/Shawn McCash, 1501 Omni Way, St. Cloud, FL 34773, for the vertical expansion of the J.E.D. facility to maximum elevation of 330 ft. (NGVD), including design modification for future cells (Cells 7 through 21) that will be constructed at the J.E.D. facility. This project is located west of Highway U.S. 441, approximately 6.5 miles south of Holopaw, in eastern Osceola County, Florida.

This application is being processed and is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department of Environmental Protection, 3319 Maguire Blvd., Suite 232, Orlando, FL 32803-3767, telephone 407-893-3328. Any comments or objections should be filed in writing with the Department at this address. Comments or objections should be submitted as soon as possible to ensure that there is adequate time for them to be considered in the Department decision on the application.

Environmental Protection

Memorandum

TO: M. HEIDORN, P.G.
FROM: T. LUBOZYNSKI, P.E.
DATE: SEPT. 20, 2007

SUBJECT: County: OSCEOLA
Permit/EGG: MODIF. OF SC49-0199726-004 & SC49-0199726-005
PERMIT APPL. Nos. SC49-0199726-006 & SC49-0199726-007
Facility: J.E.D. SOLID WASTE MGMT. FAC. CLASS I - VERTICAL EXPANSION
Attachment: (H/K/a OAK HAMMOCK DISPOSAL, CLASS I)

The attached is being sent to you to:

☐ Information only

☒ Review and comments

If review comments are needed, please respond:

☒ By:

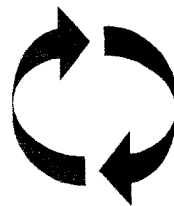
(Solid Waste deadline is OCT. 8, 2007)

☐ As soon as possible for your schedule.

Comments: Please share copy of Report and Drawings
with G. DePRADINE.

cc: G. DePRADINE

Prepared for



Omni Waste

RECEIVED

SEP 18 2007

DEP. Central Dist.

Omni Waste of Osceola County, LLC

1501 Omni Way

St. Cloud, Florida 34773

RECEIVED

SEP 18 2007

DEP. Central Dist.

**MAJOR MODIFICATION APPLICATION
FOR VERTICAL EXPANSION OF THE
J.E.D. SOLID WASTE MANAGEMENT
FACILITY (PHASES 1 THROUGH 3)**

Prepared by

Geosyntec

consultants

14055 Riveredge Drive, Suite 300

Tampa, Florida 33637

Project Number: PU1295/01

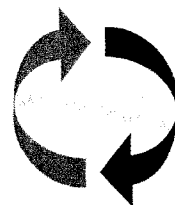
PDF Doc: # GEAG-07-17

September 2007

Al Gupta

14 SEP 2007

Prepared for



Omni Waste


Omni Waste of Osceola County, LLC

1501 Omni Way
St. Cloud, Florida 34773

**MAJOR MODIFICATION APPLICATION
FOR VERTICAL EXPANSION OF THE
L.D. SOLID WASTE MANAGEMENT FACILITY
PHASES 1 THROUGH 3**

VOLUME 1 OF 2

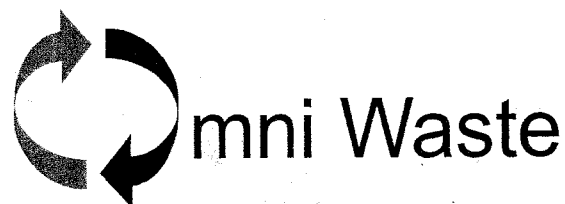
Prepared by

Geosyntec 
consultants

14055 Riveredge Drive, Suite 300
Tampa, Florida 33637

**Project Number FL1295.01
September 2007**

Prepared for



Omni Waste of Osceola County, LLC
1501 Omni Way
St. Cloud, Florida 34773

**MAJOR MODIFICATION APPLICATION
FOR VERTICAL EXPANSION OF THE
L.D. SOLID WASTE MANAGEMENT FACILITY
PHASES 1 THROUGH 3**

VOLUME 2 OF 2

Prepared by

Geosyntec 
consultants

14055 Riveredge Drive, Suite 300
Tampa, Florida 33637

Project Number FL1295.01
September 2007

PDF No. GEAG-07-17

9/14/07

IO

RECEIVED
AUG 15 2007
DEP Central Dist.

14055 Riveredge Drive
Suite 300
Tampa, FL 33637
813-558-0990
813-558-9726

7 August 2007

Ms. Laxsabee Levin
Florida Department of Environmental Protection (FDEP), Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Subject: Response to FDEP's Comments for 6th Semi-Annual Water Quality Sampling
Report, Oak Hammock Disposal Facility (OHDF)
Permit Nos. SC49-0199726-004 and SO49-0199726-005

Dear Ms. Levin:

On behalf of Omni Waste of Osceola County (Omni), we are in receipt of your e-mail correspondence of 25 July 2007, commenting on the aforementioned report. Please find below specific responses to the comments raised in your correspondence.

Comment #1 – Please verify which monitoring wells that duplicate samples were taken from. There is a discrepancy information. Table 6 indicates duplicate samples 1 and 2 (DUP-1 & DUP-2) were taken from MW-12B and MW-14A respectively. The EDD shows duplicate samples 1 and 2 (DUP-1 & DUP-2) have the same WACS ID numbers of MW-10B and MW-3A respectively.

Response #1 – Geosyntec has clarified that the EDD is correct. DUP-1 is a blind duplicate of sample MW-10B and DUP-2 is a blind duplicate of MW-3A. Page 4-4 and Tables 3, 4, 5, and 6 have been revised to reflect this correction. Replacement pages are attached to this letter.

Comment #2 – EDD shows Chlorophyll A has incorrect unit for storet code 32211. In the future, please report Chlorophyll A with a correct unit as specified in Attachment F of the Monitoring Plan Implementation Schedule (MPIS).

Response #2 – Going forward, Chlorophyll A will be reported in units of µg/L to correspond with storet code 32211.

Comment #3 – Total Phosphorous is not a correct parameter for surface water monitoring. In the future, please report Total Phosphates (as PO₄) as specified in Attachment F of Monitoring Plan Implementation Schedule (MPIS).

Response #3 - Geosyntec has consulted with the analytical laboratory concerning this issue. Going forward, the laboratory will test for orthophosphate (Method 365.1) instead of total phosphorous, and

Ms. Laxsabee Levin
7 August 2007

report the result as total phosphate (as PO₄).

Comment #4 – Field parameters (water elevation, conductivity, dissolved oxygen, pH, temperature, and turbidity) were omitted from the EDD. In the future, all field parameters, taken from ground and surface water must be included in the EDD.

Response #4 – Going forward, all field measured parameters will be included in the EDD.

Comment #5 – Fecal Coliform was not reported in the EDD for surface water monitoring.

Response #5 – The 6th semi-annual water quality monitoring sampling event was performed in February 2007. At that time, Fecal Coliform was not required by the MPIS. The Operations Permit and MPIS were renewed on 22 March 2007. Fecal coliform was added to the parameter list in the MPIS. Going forward, Fecal Coliform will be added to the surface water parameter list.

Comment #6 – Attached is a revised MPIS dated 7-24-2007. The following paragraphs have been revised.

- *Paragraph 4 – A requirement to notify the Department whether the original data (significantly above background water quality or above the Department's water quality standards or criteria) will be accepted as representative of current groundwater conditions or whether resampling will be accomplished to confirm the data.*
- *Paragraph 6 – changed from Cells 2 and 3 to Phases 2 and 3.*
- *Paragraphs 19, 20, 21, 22, 23 and 26 – requirements to submit electronic documents in addition to paper documents.*

Response #6 – Comment is noted

If you have any questions or need additional information, please contact the undersigned.

Sincerely,



Kirk Wills
Project Engineer

Attachments

cc: M. Kaiser, WSI
M. Heidorn, FDEP

these findings within the allotted fourteen days after receipt of the data (certified data was received by Geosyntec on 2 April 2007) in a letter dated 13 April 2007. Upon notification by the FDEP, WSI will initiate evaluation monitoring.

While waiting for notification from the FDEP, WSI has initiated work to assess the potential causes of the elevated parameters. Based upon field observations in the vicinity of MW-9A, the cause of the exceedances appear to be due to storm water issues. The results of this investigation will be submitted in a contamination evaluation plan as required by the FDEP Permit and Chapter 62-701.510(7)(a)4.

4.3 Data Validation

All analyses were performed within the method specified holding times.

An equipment blank was collected using the peristaltic pump set up used for collection of the groundwater samples. De-ionized water supplied by Columbia was pumped through the peristaltic tubing and analyzed for the same parameters as the groundwater samples. Extractable organic samples were collected through the decontaminated purge and trap assembly. All constituents analyzed for were non-detect for all analyses performed.

Two blind field duplicates were collected: Dup-01 was a blind duplicate of sample ~~MW-12B~~ MW-10B; Dup-02 was a blind duplicate of sample ~~MW-14A~~ MW-3A. A review of the analytical data shows that the blind duplicate sample data are in general agreement to the original sample data for all analytes.

4.4 Impact of Turbidity on Metals Concentrations

As discussed in Section 2.2 of this report, extended well development was not successful in clearing up some of the B-zone (intermediate) and C-zone (deep) groundwater monitoring wells.

Turbidity levels were less than the FDEP guidance of 20 NTU for forty two (42) of the forty five (45) wells sampled. A review of the analytical results for these forty three low-turbidity wells shows that arsenic, barium, chromium, cobalt, copper, iron, lead, nickel, sodium, vanadium, and zinc were reported above the method detection limits. Arsenic and barium were detected in thirteen (13) and all forty five (45) monitoring wells, respectively. Chromium and cobalt were detected in twenty one (21) and four (4) monitoring wells, respectively. Copper and iron were detected in five (5) and all forty five (45) monitoring wells, respectively. Lead and nickel were detected in eleven (11) and four (4) monitoring wells, respectively. Sodium and Vanadium were detected in all forty five (45) and twenty one (21) monitoring wells, respectively. Zinc was detected in

TABLE 3 (1 of 2)

**SUMMARY OF ANALYTICAL RESULTS (TOTAL METALS)
SIXTH SEMI-ANNUAL WATER QUALITY MONITORING EVENT
OAK HAMMOCK DISPOSAL FACILITY
OSCEOLA COUNTY, FLORIDA**

Well ID	Type	Arsenic (ug/L)	Barium (ug/L)	Chromium (ug/L)	Cobalt (ug/L)	Copper (ug/L)
GCTL		10	2,000	100	420	1,000
MW-1A	B	0.3 U	8.3	2.4	0.37 I	0.29 U
MW-2A	B	1.7	9.7	2.6	1.8	0.29 U
MW-3A	B	0.3 U	16	1.8 I	0.78 I	0.29 U
MW-4A	B	0.5 I	12	2.8	0.43 I	0.29 U
MW-5A	B	1.0	5.9	6.3	0.21 I	1.1 I
MW-6A	B	0.3 U	3.9	1.5 I	0.24 I	0.29 U
MW-7A	D	0.8	18	1.9 I	0.53 I	0.29 U
MW-8A	D	0.8	36	2.6	1.5	0.29 U
MW-9A	D	2.3	4.7	6.4	0.47 I	2.1
MW-10A	D	2.3	3.3	4.4	0.23 I	2.9
MW-11A	D	20.0	9.2	6	1.1	0.29 U
MW-12A	D	1.3	7.8	2.3	0.71 I	0.4 I
MW-13A	D	19.0	8.8	3.2	0.88 I	0.37 I
MW-14A	D	0.6	7.8	5.5	0.41 I	0.57 I
MW-15A	D	0.5	8.2	1.6 I	0.12 I	0.29 U
MW-1B	B	0.3 U	6.1	1.2 I	0.11 I	0.29 U
MW-2B	B	0.3 U	11	1.6 I	0.27 I	3.2
MW-3B	B	0.7	17	1.7 I	0.23 I	0.59 I
MW-4B	B	0.3 U	9	1.3 I	0.13 I	0.29 U
MW-5B	B	0.3 I	10	1.3 I	0.14 I	0.29 U
MW-6B	B	0.3 U	29	3.7	0.28 I	0.84 I
MW-7B	D	0.3 U	36	3.2	0.23 I	0.48 I
MW-8B	D	0.3 U	50	5.2	0.26 I	1.1 I
MW-9B	D	0.3 U	26	2.7	0.24 I	1.5 I
MW-10B	D	0.3 U	16	1.5 I	0.34 I	0.29 U
MW-11B	D	0.3 U	19	1.9 I	0.12 I	0.29 U
MW-12B	D	1.0	42	3.6	0.24 I	3.9
MW-13B	D	0.3 U	12	2.3	0.18 I	5.6
MW-14B	D	0.3 U	13	1.9 I	0.31 I	0.49 I
MW-15B	D	0.3 U	3.9	0.94 I	0.16 I	0.29 U
MW-1C	B	0.3 U	19	1.4 I	0.041 U	0.29 U
MW-2C	B	0.3 U	17	1.3 I	0.041 U	0.29 U
MW-3C	B	0.3 U	16	1.4 I	0.045 I	0.29 U
MW-4C	B	0.3 U	18	2.7	0.12 I	0.3 I
MW-5C	B	0.3 U	24	1.3 I	0.041 U	0.52 I
MW-6C	B	0.3 I	33	2.1	0.073 I	0.33 I
MW-7C	D	0.3 U	36	2.3	0.073 I	0.29 I
MW-8C	D	0.3 U	17	1.7 I	0.1 I	0.35 I
MW-9C	D	0.3 I	16	1.5 I	0.041 U	0.29 U
MW-10C	D	0.4 I	21	2.2	0.12 I	1 I
MW-11C	D	0.3 U	9.4	1.5 I	0.1 I	0.3 I
MW-12C	D	0.3 I	18	1.3 I	0.044 I	0.29 U
MW-13C	D	0.3 U	18	1.3 I	0.079 I	0.29 U
MW-14C	D	0.5 I	28	1.8 I	0.17 I	0.43 I
MW-15C	D	0.3 U	13	1.1 I	0.041 U	0.29 U
DUP 1 (MW-10B)		0.3 U	13	1.4 I	0.4 I	0.29 U
DUP 2 (MW-3A)		0.3 U	16	1.8 I	0.79 I	0.29 U

Notes:

- ¹ mg/L=milligrams per liter ug/L = micrograms per liter
- ² U = Not detected at value represented
- ³ I = Value is estimated to be between method detection limit and practical quantitation limit.
- ⁴ GCTL = Groundwater Cleanup Target Level
- ⁵ Constituent detections are shown in shaded cells (green color)
- ⁶ Constituent detections exceeding the GCTL are shown in shaded cells (red color)
- ⁸ Well type: (B) Background well (D) Detection well

TABLE 3 (2 of 2)

**SUMMARY OF ANALYTICAL RESULTS (TOTAL METALS)
SIXTH SEMI-ANNUAL WATER QUALITY MONITORING EVENT
OAK HAMMOCK DISPOSAL FACILITY
OSCEOLA COUNTY, FLORIDA**

Well ID	Type	Iron (mg/L)	Lead (ug/L)	Nickel (ug/L)	Sodium (mg/L)	Vanadium (ug/L)	Zinc (ug/L)
GCTL		0.3	15	100	160	49	5,000
MW-1A	B	1.6	0.12 U	0.69 U	14	1.4 I	1.7 U
MW-2A	B	13.0	0.12 U	0.72 I	14	4.8 I	6.3 I
MW-3A	B	3.6	0.12 U	0.69 U	22	0.18 U	2.3 I
MW-4A	B	2.1	0.13 I	1.1 I	6	1.2 I	2.2 I
MW-5A	B	1.0	1.2	3.3	11	7.2	2.9 I
MW-6A	B	2.7	0.12 U	0.69 U	10	0.18 U	1.9 I
MW-7A	D	2.3	0.12 U	0.91 I	14	6.8	75
MW-8A	D	2.6	0.24 I	3.1	19	7	2.4 I
MW-9A	D	1.4	1	2.6	9	8.3	4.9 I
MW-10A	D	2.0	0.91 I	1.4 I	7.6	5	3.2 I
MW-11A	D	20.0	0.52 I	1.4 I	12	5.8	2.1 I
MW-12A	D	0.4	0.7 I	1.4 I	9.3	1.7 I	3.3 I
MW-13A	D	16.0	0.12 U	0.69 U	9.1	5.1	1.9 I
MW-14A	D	1.4	0.86 I	2.2	8.1	9.4	25
MW-15A	D	1.2	0.12 U	0.69 U	14	1.1 I	1.7 U
MW-1B	B	0.3	0.12 U	0.69 U	3.6	0.18 U	2.3 I
MW-2B	B	0.8	2.4	0.69 U	5.4	4.4 I	8.2 I
MW-3B	B	0.9	0.88 I	0.69 U	6.5	2.1 I	2.4 I
MW-4B	B	0.8	0.12 U	0.69 U	11	0.18 U	2.4 I
MW-5B	B	0.4	0.12 U	0.69 U	4.5	3 I	1.7 U
MW-6B	B	1.3	1.9	0.78 I	5.5	6.4	4.5 I
MW-7B	D	1.3	1.5	0.84 I	7.7	6.8	3.9 I
MW-8B	D	0.7	5.6	0.91 I	6.1	12	6.3 I
MW-9B	D	0.8	1.7	0.69 U	8.8	6.7	6.8 I
MW-10B	D	0.7	0.12 I	0.69 U	9.8	5.2	3.7 I
MW-11B	D	0.7	0.2 I	0.69 U	16	4	3.5 I
MW-12B	D	1.0	3.7	0.72 I	6.7	2.3	17
MW-13B	D	0.8	1.4	0.69 U	7.9	3.2	26
MW-14B	D	0.7	1	0.69 U	6.2	4.3 I	1.7 U
MW-15B	D	0.4	0.12 U	0.69 U	5.7	2.4 I	1.7 U
MW-1C	B	0.4	0.14 I	0.69 U	4.2	2.3 I	2.4 I
MW-2C	B	1.0	0.2 I	0.69 U	4.7	4 I	2.3 I
MW-3C	B	1.2	0.14 I	0.69 U	5.4	0.18 U	1.9 I
MW-4C	B	0.8	0.45 I	0.96 I	7.7	5.2	5.2 I
MW-5C	B	1.1	0.17 I	0.69 U	8.5	4.1 I	2.7 I
MW-6C	B	0.7	0.36 I	0.69 U	4.7	3 I	3.1 I
MW-7C	D	0.8	1.4	0.69 U	6.3	3 I	1.9 I
MW-8C	D	0.9	0.25 I	0.69 U	5.6	7.3	3.9 I
MW-9C	D	0.7	0.12 U	0.69 U	6.3	2.5 I	2.2 I
MW-10C	D	0.8	0.54 I	0.69 U	5.5	6.8	7.1 I
MW-11C	D	0.6	0.33 I	0.69 U	11	2.4	7.9 I
MW-12C	D	0.6	0.12 I	0.69 U	5.5	4	2.1 I
MW-13C	D	0.5	0.18 I	0.69 U	7.2	1.3 I	2 I
MW-14C	D	0.8	0.49 I	0.69 U	7.2	1.3 I	4 I
MW-15C	D	0.6	0.12 U	0.69 U	5.1	0.18 U	2.4 I
DUP 1 (MW-10B)		0.7	1.3	0.69 U	9.9	3.9 I	11
DUP 2 (MW-3A)		3.8	0.12 U	0.69 U	23	1.5 I	2.8 I

Notes:

¹ mg/L=milligrams per liter ug/L = micrograms per liter² U = Not detected at value represented³ I = Value is estimated to be between method detection limit and practical quantitation limit.⁴ GCTL = Groundwater Cleanup Target Level⁶ Constituent detections are shown in shaded cells (green color)⁷ Constituent detections exceeding the GCTL are shown in shaded cells (red color)⁸ Well type: (B) Background well (D) Detection well

TABLE 4
SUMMARY OF ANALYTICAL RESULTS (DISSOLVED METALS)
SIXTH SEMI-ANNUAL WATER QUALITY MONITORING EVENT
OAK HAMMOCK DISPOSAL FACILITY
OSCEOLA COUNTY, FLORIDA

Well ID	Type	Barium (ug/L)	Chromium (ug/L)	Iron (mg/L)	Lead (ug/L)	Sodium (mg/L)
GCTL		2,000	100	0.3	15	160
MW-1A	B	NA	NA	NA	NA	NA
MW-2A	B	NA	NA	NA	NA	NA
MW-3A	B	NA	NA	NA	NA	NA
MW-4A	B	NA	NA	NA	NA	NA
MW-5A	B	NA	NA	NA	NA	NA
MW-6A	B	NA	NA	NA	NA	NA
MW-7A	D	NA	NA	NA	NA	NA
MW-8A	D	NA	NA	NA	NA	NA
MW-9A	D	NA	NA	NA	NA	NA
MW-10A	D	NA	NA	NA	NA	NA
MW-11A	D	NA	NA	NA	NA	NA
MW-12A	D	NA	NA	NA	NA	NA
MW-13A	D	NA	NA	NA	NA	NA
MW-14A	D	6.9	3.6	1.6	0.18 I	8
MW-15A	D	NA	NA	NA	NA	NA
MW-1B	B	NA	NA	NA	NA	NA
MW-2B	B	NA	NA	NA	NA	NA
MW-3B	B	NA	NA	NA	NA	NA
MW-4B	B	NA	NA	NA	NA	NA
MW-5B	B	NA	NA	NA	NA	NA
MW-6B	B	NA	NA	NA	NA	NA
MW-7B	D	NA	NA	NA	NA	NA
MW-8B	D	22	2	0.91	1.4	5.9
MW-9B	D	NA	NA	NA	NA	NA
MW-10B	D	NA	NA	NA	NA	NA
MW-11B	D	NA	NA	NA	NA	NA
MW-12B	D	19	1.5 I	0.8	0.31 I	6.9
MW-13B	D	NA	NA	NA	NA	NA
MW-14B	D	NA	NA	NA	NA	NA
MW-15B	D	NA	NA	NA	NA	NA
MW-1C	B	NA	NA	NA	NA	NA
MW-2C	B	NA	NA	NA	NA	NA
MW-3C	B	NA	NA	NA	NA	NA
MW-4C	B	NA	NA	NA	NA	NA
MW-5C	B	NA	NA	NA	NA	NA
MW-6C	B	NA	NA	NA	NA	NA
MW-7C	D	NA	NA	NA	NA	NA
MW-8C	D	NA	NA	NA	NA	NA
MW-9C	D	NA	NA	NA	NA	NA
MW-10C	D	NA	NA	NA	NA	NA
MW-11C	D	NA	NA	NA	NA	NA
MW-12C	D	NA	NA	NA	NA	NA
MW-13C	D	NA	NA	NA	NA	NA
MW-14C	D	NA	NA	NA	NA	NA
MW-15C	D	NA	NA	NA	NA	NA
DUP 1 (MW-10B)		NA	NA	NA	NA	NA
DUP 2 (MW-3A)		NA	NA	NA	NA	NA

Notes:

¹ mg/L=milligrams per liter ug/L = micrograms per liter

² U = Not detected at value represented

³ I = Value is estimated to be between method detection limit and practical quantitation limit.

⁴ NA = Not Analyzed

⁶ Constituent detections are shown in shaded cells (green color)

⁷ Constituent detections exceeding the GCTL are shown in shaded cells (red color)

⁸ Well type: (B) Background well (D) Detection well

⁹ GCTL = Groundwater Cleanup Target Level

TABLE 5
SUMMARY OF ANALYTICAL RESULTS (VOLATILE COMPOUNDS)
SIXTH SEMI-ANNUAL WATER QUALITY MONITORING EVENT
OAK HAMMOCK DISPOSAL FACILITY
OSCEOLA COUNTY, FLORIDA

Well ID	Type	Benzene (ug/L)	cis-1,2-Dichloroethene (ug/L)	Ethylbenzene (ug/L)	Toluene (ug/L)	Vinyl Chloride (ug/L)
GCTL		1.0	70	30	40	1.0
MW-1A	B	0.088 U	0.12 U	0.12 U	0.21 I	0.12 U
MW-2A	B	0.088 U	0.12 U	0.12 U	0.13 U	0.12 U
MW-3A	B	0.088 U	0.12 U	0.16 I	0.13 U	0.12 U
MW-4A	B	0.088 U	0.12 U	0.12 U	0.13 U	0.12 U
MW-5A	B	0.088 U	0.12 U	0.12 U	0.17 I	0.12 U
MW-6A	B	0.088 U	0.12 U	0.12 U	0.52 I	0.12 U
MW-7A	D	0.088 U	0.12 U	0.12 U	0.13 U	0.12 U
MW-8A	D	0.088 U	0.12 U	0.12 U	0.14 I	0.12 U
MW-9A	D	3.9	1.4	1.2	2.6	3.00
MW-9A [C]	D	2.6	1	0.89	1.4	3.80
MW-10A	D	0.088 U	0.12 U	0.12 U	0.22 I	0.12 U
MW-11A	D	0.088 U	0.12 U	0.12 U	0.14 I	0.12 U
MW-12A	D	0.088 U	0.12 U	0.12 U	0.13 U	0.12 U
MW-13A	D	0.088 U	0.12 U	0.12 U	0.13 U	0.12 U
MW-14A	D	0.088 U	0.12 U	0.12 U	0.13 U	0.12 U
MW-15A	D	0.088 U	0.12 U	0.12 U	0.13 U	0.12 U
MW-1B	B	0.088 U	0.12 U	0.12 U	0.13 U	0.12 U
MW-2B	B	0.088 U	0.12 U	0.12 U	0.13 U	0.12 U
MW-3B	B	0.088 U	0.12 U	0.12 U	0.13 U	0.12 U
MW-4B	B	0.088 U	0.12 U	0.12 U	0.13 U	0.12 U
MW-5B	B	0.088 U	0.12 U	0.12 U	0.13 U	0.12 U
MW-6B	B	0.088 U	0.12 U	0.12 U	0.13 U	0.12 U
MW-7B	D	0.088 U	0.12 U	0.12 U	0.13 U	0.12 U
MW-8B	D	0.088 U	0.12 U	0.12 U	0.18 I	0.12 U
MW-9B	D	0.088 U	0.12 U	0.12 U	0.13 U	0.12 U
MW-10B	D	0.088 U	0.12 U	0.12 U	0.16 I	0.12 U
MW-11B	D	0.088 U	0.12 U	0.12 U	0.18 I	0.12 U
MW-12B	D	0.088 U	0.12 U	0.12 U	0.13 U	0.12 U
MW-13B	D	0.088 U	0.12 U	0.12 U	0.13 U	0.12 U
MW-14B	D	0.088 U	0.12 U	0.12 U	0.13 U	0.12 U
MW-15B	D	0.088 U	0.12 U	0.12 U	0.13 U	0.12 U
MW-1C	B	0.088 U	0.12 U	0.12 U	0.13 U	0.12 U
MW-2C	B	0.088 U	0.12 U	0.12 U	0.13 U	0.12 U
MW-3C	B	0.088 U	0.12 U	0.12 U	0.13 U	0.12 U
MW-4C	B	0.088 U	0.12 U	0.12 U	0.13 U	0.12 U
MW-5C	B	0.088 U	0.12 U	0.12 U	0.13 U	0.12 U
MW-6C	B	0.088 U	0.12 U	0.12 U	0.2 I	0.12 U
MW-7C	D	0.088 U	0.12 U	0.12 U	0.13 U	0.12 U
MW-8C	D	0.088 U	0.12 U	0.12 U	0.15 I	0.12 U
MW-9C	D	0.088 U	0.12 U	0.12 U	0.17 I	0.12 U
MW-10C	D	0.088 U	0.12 U	0.12 U	0.13 U	0.12 U
MW-11C	D	0.088 U	0.12 U	0.12 U	0.21 I	0.12 U
MW-12C	D	0.088 U	0.12 U	0.12 U	0.13 U	0.12 U
MW-13C	D	0.088 U	0.12 U	0.12 U	0.13 U	0.12 U
MW-14C	D	0.088 U	0.12 U	0.12 U	0.13 U	0.12 U
MW-15C	D	0.088 U	0.12 U	0.12 U	0.13 U	0.12 U
DUP 1 (MW-10B)		0.088 U	0.12 U	0.12 U	0.18 I	0.12 U
DUP 2 (MW-3A)		0.088 U	0.12 U	0.2 I	0.13 U	0.12 U

Notes:

¹ mg/L=milligrams per liter ug/L = micrograms per liter

² U = Not detected at value represented

³ I = Value is estimated to be between method detection limit and practical quantitation limit.

⁴ GCTL = Groundwater Cleanup Target Level

⁵ Constituent detections are shown in shaded cells (green color)

⁷ Constituent detections exceeding the GCTL are shown in shaded cells (red color)

⁸ Well type: (B) Background well (D) Detection well

⁹ [C] = Confirmational Sample

TABLE 6
SUMMARY OF ANALYTICAL RESULTS (MISCELLANEOUS)
SIXTH SEMI-ANNUAL WATER QUALITY MONITORING EVENT
OAK HAMMOCK DISPOSAL FACILITY
OSCEOLA COUNTY, FLORIDA

Well ID	Type	Ammonia-N (mg/L)	Chloride (mg/L)	Total Dissolved Solids (mg/L)
GCTL		2.8	250	500
MW-1A	B	1.2	22.0	71
MW-2A	B	0.8	31.0	88
MW-3A	B	1.4	46.0	140
MW-4A	B	4.3	15.0	97
MW-5A	B	6.5	27.0	187
MW-6A	B	0.8	16.0	57
MW-7A	D	0.9	21.0	75
MW-8A	D	1.0	35.0	130
MW-9A	D	9.8	17.0	140
MW-9A [C]	D	8.8	N/A	N/A
MW-10A	D	6.4	16.0	81
MW-11A	D	6.1	17.0	190
MW-12A	D	0.2	8.1	67
MW-13A	D	1.7	17.0	120
MW-14A	D	1.4	13.0	135
MW-15A	D	0.1	22.0	70
MW-1B	B	0.1	6.1	32
MW-2B	B	0.2	9.3	42
MW-3B	B	0.2	16.0	57
MW-4B	B	0.1	14.0	53
MW-5B	B	0.2	9.2	41
MW-6B	B	0.2	8.1	54
MW-7B	D	0.2	16.0	72
MW-8B	D	0.2	8.7	59
MW-9B	D	0.1	12.0	49
MW-10B	D	0.1 J	16.0	53
MW-11B	D	0.1	24.0	74
MW-12B	D	0.2	12.0	80
MW-13B	D	0.1	11.0	57
MW-14B	D	0.2	6.9	52
MW-15B	D	0.1	7.8	37
MW-1C	B	0.1	5.8	37
MW-2C	B	0.1	6.4	41
MW-3C	B	0.1	7.3	40
MW-4C	B	0.2	9.9	77
MW-5C	B	0.1	15.0	53
MW-6C	B	0.2	5.8	43
MW-7C	D	0.1	7.0	54
MW-8C	D	0.1	7.1	43
MW-9C	D	0.1	7.3	41
MW-10C	D	0.2	6.9	44
MW-11C	D	0.1	16.0	69
MW-12C	D	0.1	8.1	42
MW-13C	D	0.1	10.0	51
MW-14C	D	0.2	9.1	57
MW-15C	D	0.1	7.7	53
DUP 1 (MW-10B)		0.1	16.0	51
DUP 2 (MW-3A)		1.5	46.0	130

Notes:

- ¹ mg/L=milligrams per liter ug/L = micrograms per liter
- ² U = Not detected at value represented
- ³ I = Value is estimated to be between method detection limit and practical quantitation limit.
- ⁴ J = Estimated value
- ⁵ GCTL = Groundwater Cleanup Target Level
- ⁶ Constituent detections are shown in shaded cells (green color)
- ⁷ Constituent detections exceeding the GCTL are shown in shaded cells (red color)
- ⁸ Well type: (B) Background well (D) Detection well
- ⁹ [C] = Confirmational Sample
- ¹⁰ N/A = Not Analyzed



3400 Jones Road, Jacksonville, Florida 32220

May 26, 2007

Mr. Frank Hornbrook
Solid Waste Financial Coordinator
Florida Department of Environmental Protection
2600 Blair Stone Rd. MS 4565
Tallahassee, Florida 32399-2400

RECEIVED

MAY 31 2007

DEP Central Dist.

Re: Financial Assurance Renewal Submittal
Oak Hammock Disposal Facility
Osceola County, Florida
Permit Nos. SC49-0199726-004 and SO49-0199726-005

Dear Mr. Hornbrook:

Please find attached the Change in Limits of Insurance Endorsements for the Oak Hammock Disposal Facility, Osceola County, Florida. The new limit for closing (Policy Number 850576) is in the amount of \$4,051,365.95. The new limit for long term care (Policy Number 850577) is in the amount of \$4,318,258.52. If you have any questions or require any additional information, please contact me at (904) 781-2407 [office] or mkaiser@wsii.us [email] at your earliest convenience.

Sincerely,

A handwritten signature in black ink, appearing to read "Mike Kaiser", is written over a horizontal line.

Mike Kaiser
Vice President, Environmental and Engineering, US
Waste Services, Inc.

Attachments

Cc: FDEP (Central District)
Mr. Matt Orr, General Manager, WSI

RECEIVED JUN - 1 2007

**EVERGREEN NATIONAL INDEMNITY COMPANY
CHANGE IN LIMITS OF INSURANCE ENDORSEMENT**

**THIS ENDORSEMENT CHANGES THE POLICY, PLEASE READ IT
CAREFULLY**

Policy Number: 850577

Endorsement Effective Date: February 7, 2007

Name of the Insured: Omni Waste of Osceola, LLC
2901 17th Street
St Cloud, Florida 34769

Insured Location: Oak Hammock Disposal
Osceola County, Florida

**In consideration of the premium paid it is understood and agreed that the
Long-Term Care LIMIT OF INSURANCE shown in the declarations is
amended to read:**

Long-Term Care: Four Million Three Hundred Eighteen Thousand Two Hundred
Fifty Eight and 52/100 (\$4,318,258.52)

COMPANY

EVERGREEN NATIONAL INDEMNITY COMPANY

By: Karen LoConti-Diaz
Karen LoConti-Diaz, Authorized Representative of Insurer
United Nations Insurance Agency, Inc.
1900 N W Corporate Boulevard, Suite 400E
Boca Raton, Florida 33431-8515
(800) 641-9222

**EVERGREEN NATIONAL INDEMNITY COMPANY
CHANGE IN LIMITS OF INSURANCE ENDORSEMENT**

**THIS ENDORSEMENT CHANGES THE POLICY, PLEASE READ IT
CAREFULLY**

Policy Number: 850576

Endorsement Effective Date: February 7, 2007

Name of the Insured: Omni Waste of Osceola, LLC
2901 17th Street
St Cloud, Florida 34769

Insured Location: Oak Hammock Disposal
Osceola County, Florida

**In consideration of the premium paid it is understood and agreed that the
Closing LIMIT OF INSURANCE shown in the declarations is amended to
read:**

Closing: Four Million Fifty One Thousand Three Hundred Sixty Five and 95/100
(\$4,051,365.95)

COMPANY

EVERGREEN NATIONAL INDEMNITY COMPANY

By: Karen LoConti-Diaz
Karen LoConti-Diaz, Authorized Representative of Insurer
United Nations Insurance Agency, Inc.
1900 N W Corporate Boulevard, Suite 400E
Boca Raton, Florida 33431-8515
(800) 641-9222



3400 Jones Road, Jacksonville, FL 32220

May 21, 2007

RECEIVED

MAY 25 2007

DEP Central Dist.

Ms. Gloria-Jean De Pradine
Compliance & Enforcement Supervisor
Solid Waste Section
Florida Department of Environmental Protection, Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Re: Response to FDEP Inspection Report dated March 20, 2007
Oak Hammock Disposal Facility (J.E.D.)
Osceola County, Florida
Permit Nos. SC49-0199726-001 and S049-0199726-002

Dear Ms. De Pradine:

I am providing this letter in response to your letter dated April 18, 2007, to Mr. Shawn McCash regarding the Routine Inspection performed on March 20, 2007, for the Oak Hammock Disposal Facility (J.E.D.).

Please note the following steps taken by Waste Services of Florida, Inc. (WSFI) in addressing the areas of concern noted by Mr. Jeff Waters during the inspection.

1. *Several areas along the northern side slope appear to be seeping leachate within the lined disposal area.*

WSFI has investigated the presence of leachate seepage along the northern side slope area and discovered that infiltrating rainwater (leachate) appears to be migrating laterally on top of a layer of daily cover soils in these locations. It appears the cover soils are presenting a lower permeability condition than the underlying municipal solid waste (MSW), which is causing leachate to follow a path of least resistance towards the fill side slopes. Site personnel have excavated trenches through the cover soil layers (inward from the outer fill side slope) to allow a path for leachate to seep vertically through the cover soils and underlying MSW prior to reaching the fill side slopes. WSFI will continue to monitor the side slope areas for other occurrences of seepage and correct the condition in the same manner.

2. *The mulch stockpile is larger than 100 feet wide. Continue to reduce the width as mulch is removed to be mixed with soil for daily cover.*

COMPLETED JUN - 6 2007

NACs 89544

Site personnel are continuing to reduce the stockpile width as mulch is removed to be mixed with soil for daily cover. Additionally, site personnel have begun working the stockpiled mulch into approximate 100-foot wide windrows, allowing for a minimum 15-foot fire lane between windrows. It is estimated this work will be completed over the next few months.

I believe this addresses all of the areas of concern in your letter. If you have any questions or require any additional information, please contact me at (904) 673-0446 [cell], or mkaiser@wsii.us [email] at your earliest convenience.

Sincerely,



Mike Kaiser
Vice President, Environmental Management and Engineering
Waste Services, Inc.

Attachments

cc: Mr. Jeff Waters, FDEP
Mr. Matt Orr, WSFI
Mr. Shawn McCash, WSFI

705-9407
EAM

MEMORANDUM

**FLORIDA DEPARTMENT of
ENVIRONMENTAL PROTECTION**

CENTRAL DISTRICT

TO: Fred Wick (Fred.Wick@dep.state.fl.us) OCD-SW-07-0208
Financial Coordinator
Solid Waste Section
MS-4565
Division of Waste Management

FROM: F. Thomas Lubozynski, P.E.
Waste Program Administrator

DATE: May 24, 2007

SUBJECT: Osceola County – SW
Oak Hammock Landfill – Class I
WACS# 89544
Review and Approval of Financial Assurance Cost Estimates

We have reviewed the revised closure and long-term care cost estimates dated April 30, 2007 and received on May 1, 2007 for the facility referenced-above. This information was previously sent to the Department on February 28, 2007. They used the 2007 inflation adjustment factor of 1.03. The Central District accepts it as adequate for the site at this time.

The signed original cost estimates are in the Central District's file. A copy is available in Oculus in Solid Waste/Fiscal/Financial Responsibility.

Please feel free to contact me if you need any additional information.

FTL/gnd

cc: Frank Hornbrook, FDEP, Tallahassee, MS-4565 (Frank.Hornbrook@dep.state.fl.us)

Williams, Elizabeth

FO 5/24/07
EBW

From: Hornbrook, Frank
To: Williams, Elizabeth
Sent: Thursday, May 24, 2007 10:29 AM
Subject: Read: Oak Hammock fin. memo 0208

Your message

To: Wick, Fred
Cc: Hornbrook, Frank; DePradine, Gloria-Jean
Subject: Oak Hammock fin. memo 0208
Sent: 5/24/2007 7:56 AM

was read on 5/24/2007 10:28 AM.

Catalog	SOLID WASTE
---------	-------------

Administrative	
Discovery Compliance	
Cleanup	
Enforcement Legal	
Fiscal	X
Permitting	

County	Osceola
Facility ID #	89544
Document Date	05-22-2007
Received Date	05-22-2007
Doc Type	Financial responsibility
Contractor ID	
Facility Type	100
Document Subject	Review and approval of financial assurance cost estimate -2007



RECEIVED
MAY 01 2007
DEP Central Dist.

5002 T-Rex Avenue, Suite 200, Boca Raton, FL 33431

April 30, 2007

Mr. George Cheryan
Florida Department of Environmental Protection, Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Re: Financial Assurance Renewal Correction
Oak Hammock Disposal Facility
Osceola County, Florida
Permit Nos. SC49-0199726-001 and SO49-0199726-002

Dear Mr. Cheryan:

Please find attached the corrected 2007 revised financial assurance cost estimates for the Oak Hammock Disposal Facility (JED Landfill), Permit Nos. SC49-0199726-001 and SO49-0199726-002. As discussed, on page two of the form, I have corrected the typos under the Department approved long-term care cost estimate regarding the date and annual amounts.

I trust this letter, attached FDEP financial assurance cost estimating forms and supporting data meet your requirements to update the cost estimates for the facility. If you have any questions, or require any additional information during your review of these documents, please contact me at (561) 237-3414 [office] or smccash@wsii.us [email] at your earliest convenience.

Sincerely,

R. Shawn McCash
Sr. Vice President, Landfill Operations & Engineering
Waste Services, Inc.

Copies to:

Matt Orr, WSI
Solid Waste Financial Coordinator - FDEP

COMPLETED MAY - 1 2007
26 K...



RECEIVED
MAY 01 2007

Florida Department of Environmental Protection
Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, FL 32399-2400

DEP Form # 62-701.900(28)
Form Title Financial Assurance Cost Estimate Form
Effective Date 05-27-01
DEP Application No. _____
(Filed by DEP)

FINANCIAL ASSURANCE COST ESTIMATE FORM

Date: 04/30/2007

Date of DEP Approval: _____

I. GENERAL INFORMATION:

Facility Name: Oak Hammock Disposal Facility WACS or GMSID #: 89544

Permit / Application No.: SC49-0199726-001/SO49-0199726-002/0 Expiration Date: 08/28/2007

Facility Address: 1501 Omni Way, St. Cloud, FL 34773

Permittee: Omni Waste of Osceola County, LLC

Mailing Address: 5002 T-Rex Avenue, Suite 200, Boca Raton, FL 33431

Latitude: 28 03 31 Longitude: 81 05 46 or UTM: _____

Solid Waste Disposal Units Included in Estimate:

Phase / Cell	Acres	Date Unit Began Accepting Waste	Design Life of Unit From Date of Initial Receipt of Waste
1 / 1	18	Jan 2004	Life of Phase I
1 / 4	11	Sep 2005	(Cells 1-4) is
1 / 2	12	May 2006	approximately
1 / 3	12	Jan 2007	5 years.

Total Landfill Acreage included in this estimate. 53 Closure 53 Long-Term Care

Type of landfill: ☒ Class I ☐ Class III ☐ C&D Debris

II. TYPE OF FINANCIAL ASSURANCE DOCUMENT (Check Type)

☐ Letter of Credit* ☒ Insurance Certificate

☐ Surety Bond* ☐ Escrow Account

☐ Trust Fund Agreement ☐ Financial Test

*Indicates mechanisms that require use of a Standby Trust Fund Agreement

Northwest District
160 Governmental Center
Pensacola, FL 32501-5794
850-595-8360

Northeast District
7825 Baymeadows Way, Ste. B200
Jacksonville, FL 32256-7590
904-448-4300

Central District
3319 Maguire Blvd., Ste. 232
Orlando, FL 32803-3767
407-894-7555

Southwest District
3804 Coconut Palm Dr.
Tampa, FL 33619
813-744-6100

South District
2295 Victoria Ave., Ste. 364
Fort Myers, FL 33901-3881
941-332-6975

Southeast District
400 North Congress Ave.
West Palm Beach, FL 33401
561-681-6600

III. ESTIMATE ADJUSTMENT

40 CFR Part 264 Subpart H as adopted by reference in Rule 62-701.630, Florida Administrative Code sets forth the method of annual cost estimate adjustment. Cost estimates may be adjusted by using an inflation factor or by recalculating the maximum costs of closure in current dollars. Select one of the methods of cost estimate adjustment below.

☒ (a) Inflation Factor Adjustment

Inflation adjustment using an inflation factor may only be made when a Department approved closure cost estimate exists and no changes have occurred in the facility operation which would necessitate modification to the closure plan. The inflation factor is derived from the most recent Implicit Price Deflator for Gross National Product published by the U.S. Department of Commerce in its survey of Current Business. The inflation factor is the result of dividing the latest published annual Deflator by the Deflator for the previous year. The inflation factor may also be obtained from the Solid Waste Financial Coordinator at (850)-245-8732.

This adjustment is based on the Department approved closure cost estimate dated: 11/26/2006

Latest Department Approved Closure Cost Estimate:		Current Year Inflation Factor		Inflation Adjusted Closure Cost Estimate:
<u>\$3,933,365.00</u>	X	<u>1.030</u>	=	<u>\$4,051,365.95</u>

This adjustment is based on the Department approved long-term care cost estimate dated: 11/26/2006

Latest Department Approved Annual Long-Term Care Cost Estimate:		Current Year Inflation Factor		Inflation Adjusted Annual Long-Term Care Cost Estimate:
<u>\$139,749.46</u>	X	<u>1.030</u>	=	<u>\$143,941.94</u>

Number of Years of Long Term Care Remaining: **X** 30

Inflation Adjusted Long-Term Care Cost Estimate: **=** **4,318,258.31**

☐ (b) Recalculate Estimates (see section V)

IV. CERTIFICATION BY ENGINEER

This is to certify that the Financial Assurance Cost Estimates pertaining to the engineering features of the this solid waste management facility have been examined by me and found to conform to engineering principals applicable to such facilities. In my professional judgement, the Cost Estimates are a true, correct and complete representation of the financial liabilities for closing and long-term care of the facility and comply with the requirements of Florida Administrative Code (F.A.C.), Rule 62-701.630 and all other Department of Environmental Protection rules, and statutes of the State of Florida. It is understood that the Financial Assurance Cost Estimates shall be submitted to the Department annually, revised or adjusted as required by Rule 62-701.630(4), F.A.C.

Signature of Engineer

R. Shawn McCash
Signature of Owner/Operator

Name & Title (please type)

R. Shawn McCash
Name & Title (please type)

Florida Registration Number (affix seal) & Date

(561) 237-3414
Telephone Number

Mailing Address

Telephone Number

RECEIVED
APR 04 2007
DEP Central Dist.



Omni Waste

The J.E.D. Solid Waste Management Facility

1501 Omni Way
St. Cloud, FL 34773
(407) 891-3720 phone
(407) 891-3730 fax

April 2, 2007

Mr. James Bradner, P.E.
Program Manager Solid/Hazardous Waste
Department of Environmental Protection
3319 Maguire Blvd, Suite 232
Orlando, FL 32803-3767

RE: J.E.D. Solid Waste Disposal Facility
(Oak Hammock Disposal Facility)
Permit # SO49-0199726-002
1501 Omni Way
St. Cloud, FL 34773

Dear Mr. Bradner:

Attached for your review is the 2007 1st Quarter Waste Report for the above referenced facility.

If you have any questions or require additional information please do not hesitate to contact me at (407) 891-3720.

Sincerely,

Sharon Stanfill
Office Manager

/ss

Attachment (1)

cc: Mike Rowley, Operations Manager

40

Quantity Summary by Material & UOM

Ticket Date In is between 1/1/2007 and 3/31/2007

	Disposal Qty	UOM
Scale Weight Only	4.00	CW
Auto Fluff	38395.41	TN
Construction & Demo	26985.35	TN
Clean Fill	1333.31	TN
Contaminated Soil	148503.35	TN
CLASS 3 / ICI WASTE	26800.28	TN
Mun. Solid Waste	170474.79	TN
Sidue	35332.88	TN
Special Waste	98.00	EA
Special Waste	11649.40	TN
Truck Tires	3.61	TN
Car Tire	34.00	EA
White Goods	2.00	EA
Water Treatment	613978.00	LD
Yard Waste	14.82	TN

Bradner, James

From: Bradner, James
Sent: Thursday, March 22, 2007 9:05 AM
To: Lubozynski, Tom
Cc: Cheryan, George; DePradine, Gloria-Jean; Helle, Deborah; Williams, Elizabeth
Subject: Oak Hammock Landfill - DEP Permit Nos. SC49-0199726-004 & SO49-0199726-005

The Notice of Proposed Agency Action for the permit numbers noted in the subject line of this message was published in the Orlando Sentinel on February 27, 2007. A search of the Legal Case Tracking System on March 22, 2007, disclosed no record of a petition being received by the Department in response to the notice. Accordingly, permit issuance is recommended.

James N. Bradner, P.E.
Manager, Solid and Hazardous Waste Program
Central District
Department of Environmental Protection
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767
Phone: 407-893-3329
Fax: 407-893-3167
SunCom: 325-3329
Central District Switchboard: 407-894-7555
Email: James.Bradner@floridadep.net
Web Site: www.dep.state.fl.us

3/22/2007

Orlando Sentinel

Published Daily

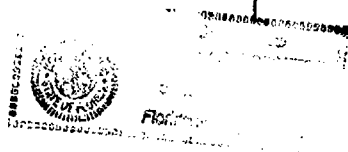
State of Florida } S.S.
COUNTY OF ORANGE

Before the undersigned authority personally appeared Rachael Washington, who on oath says that he/she is the Legal Advertising Representative of Orlando Sentinel, a daily newspaper published at Orlando in Orange County, Florida; that the attached copy of advertisement, being a STATE OF FLORIDA in the matter of XXXXXX SC49-0199726-004, SO49-0199726-005 in the Orange Court, was published in said newspaper in the issue; of 02/27/07

Affiant further says that the said Orlando Sentinel is a newspaper published at Orlando in said Orange County, Florida, and that the said newspaper has heretofore been continuously published in said Orange County, Florida, each Week Day and has been entered as second-class mail matter at the post office in Orlando in said Orange County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that he/she has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

The foregoing instrument was acknowledged before me this 1 day of March, 20 07, by Rachael Washington who is personally known to me and who did take an oath.

(SEAL)



STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION NOTICE OF PROPOSED AGENCY ACTION

The Department of Environmental Protection gives Notice of its intent to issue a construction and operation permit to Omni Waste of Osceola County, LLC, Shawn McCash, 1501 Omni Way, St. Cloud, FL 34473, to construct and operate the Oak Hammock Disposal Phases 2 & 3, Class I, in Osceola County, FL. The landfill is located approximately 6.5 miles south of Holopaw, on the west side of U. S. Highway 441, in eastern Osceola County, FL.

The Department has assigned File Number SC49-0199726-004 & SO49-0199726-005 to the project and has considered the effects of this landfill on ground water and surface water.

The Department's file on this matter is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m. Monday through Friday, except on legal holidays at the Department of Environmental Protection, Central District Office, 3319 Maguire Boulevard, Suite 202, Orlando, FL 32803, Telephone 407/893-3328.

A person whose substantial interests are affected by the above proposed agency action may petition for an administrative determination (hearing) under sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Department's Office of General Counsel, Marjory Starnesman Douglas Building, 3700 Commonwealth Boulevard, Tallahassee, Florida 32399-3000. Petitions filed by any persons other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within 14 days of publication of this notice or receipt of the written notice, whichever occurs first.

The petitioner shall mail a copy of the petition to the applicant of the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57 of the Florida Statutes. To file a petition, the petitioner must file a petition as a party to the proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion to compliance with Rule 28.106-205 of the Florida Administrative Code.

A petition that disputes the material facts on which the Department's action is based must contain the following information:
(a) The name, address, and telephone number of each petitioner; the applicant's name and address; the Department File Number and the county in which the project is proposed;
(b) A statement of how and when each petitioner received notice of the Department's action or proposed action;

(c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;

(d) A statement of all material facts disputed by petitioner or a statement that there are no disputed facts;

(e) A statement of facts which the petitioner contends warrant reversal or modification of the Department's action or proposed action;

(f) A statement of which rules or statutes the petitioner contends require reversal or modification of the Department's action or proposed action; and

(g) A statement of the relief sought by the petitioner stating precisely the action the petitioner wants the Department to take without specifying the Department's action or proposed action.

A petition that does not dispute the material facts on which the Department's action is based shall state that no such facts are disputed and otherwise shall contain the same information as set forth above. A petition required by rule 28.106-205 of the Florida Administrative Code, Part 1 of 2.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in the notice. Persons whose substantial interests will be affected by any such final action of the Department have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

In accordance with Section 120.575, F.S., the Department advises that mediation is not available in this case as an alternative to filing a petition for an administrative determination.

COR228522 2/27/20

Cheryan, George

From: Bradner, James
Sent: Wednesday, March 14, 2007 7:18 AM
To: Cheryan, George
Subject: FW: OHDF Renewal App - Proof of Publication
Attachments: Proof of Publication.pdf

From: AGupta@Geosyntec.com [mailto:AGupta@Geosyntec.com]
Sent: Tuesday, March 13, 2007 12:31 PM
To: Bradner, James
Cc: Williams, Elizabeth; smccash@wasteservices.com
Subject: OHDF Renewal App - Proof of Publication

Hi Jim,

The proof of publication for the NOI to Issue the solid waste permit for Phases 2 and 3 at the Oak Hammock Disposal Facility is attached. Please let me know if you need the original. Thanks

Ayushman Gupta, P.E.
Senior Engineer

14055 Riveredge Drive
Suite 300
Tampa, FL - 33637
Phone: 813-558-0990 x 235
Fax: 813-558-9726
www.Geosyntec.com

Geosyntec
consultants

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PM

To: smccash@wasteservices.com
Cc: Tedder, Richard; Wick, Fred; Hornbrook, Frank; Kozlov, Leonard; Ayushman Gupta; Levin, Laxsamee
Subject: Oak Hammock Disposal, Phases 2 & 3, Class I intent to issue 0060

Adobe Acrobat Reader 7.0 can be downloaded for free at the following Internet site:
<http://www.adobe.com/products/acrobat/readstep.html>

It is imperative that you reply to this e-mail indicating that you received this document. It is important that we track this information.

Elizabeth Williams
elizabeth.williams@dep.state.fl.us
Administrative Secretary - Waste Management
Dept. of Environmental Protection
3319 Maguire Blvd., Ste. 232
Orlando, FL 32803

3/14/2007

Telephone 407/893-3328
Suncom 325-3328
FAX 407/893-3124



5002 T-Rex Avenue, Suite 200, Boca Raton, FL 33431

February 27, 2007

Mr. James N. Bradner, P.E.
Program Manager, Solid/Hazardous Waste
Florida Department of Environmental Protection, Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

RECEIVED
FEB 28 2007
Central Dist. - DEP

Re: Financial Assurance Renewal
Oak Hammock Disposal Facility
Osceola County, Florida
Permit Nos. SC49-0199726-001 and SO49-0199726-002

Dear Mr. Bradner:

Please find attached the 2007 revised financial assurance cost estimates for the Oak Hammock Disposal Facility (JED Landfill), Permit Nos. SC49-0199726-001 and SO49-0199726-002.

I trust this letter, attached FDEP financial assurance cost estimating forms and supporting data meet your requirements to update the cost estimates for the facility. If you have any questions, or require any additional information during your review of these documents, please contact me at (561) 237-3414 [office] or smccash@wsii.us [email] at your earliest convenience.

Sincerely,

A handwritten signature in black ink that reads "R. Shawn McCash".

R. Shawn McCash
Sr. Vice President, Landfill Operations & Engineering
Waste Services, Inc.

Copies to:

Matt Orr, WSI
Solid Waste Financial Coordinator - FDEP



Florida Department of Environmental Protection
Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, FL 32399-2400

Form # 62.701.900(28)
Form Title Financial Assurance Cost Estimate Form
Effective Date 05-27-01
DEP Application No. _____
(Filled by DEP)

FINANCIAL ASSURANCE COST ESTIMATE FORM

Date: 01/31/2007

Date of DEP Approval: _____

I. GENERAL INFORMATION:

Facility Name: Oak Hammock Disposal Facility WACS or GMSID #: 89544

Permit / Application No.: SC49-0199726-001/SO49-0199726-002/0 Expiration Date: 08/28/2007

Facility Address: 1501 Omni Way, St. Cloud, FL 34773

Permittee: Omni Waste of Osceola County, LLC

Mailing Address: 5002 T-Rex Avenue, Suite 200, Boca Raton, FL 33431

Latitude: 28 03 31 Longitude: 81 05 46 or UTM: _____

Solid Waste Disposal Units Included in Estimate:

Phase / Cell	Acres	Date Unit Began Accepting Waste	Design Life of Unit From Date of Initial Receipt of Waste Life of Phase I
1 / 1	18	Jan 2004	(Cells 1-4) is
1 / 4	11	Sep 2005	approximately
1 / 2	12	May 2006	5 years.
1 / 3	12	Jan 2007	

RECEIVED
FFR 2 & 2007
Central Dist - DEP

Total Landfill Acreage included in this estimate. 53 Closure 53 Long-Term Care

Type of landfill: ☒ Class I ☐ Class III ☐ C&D Debris

II. TYPE OF FINANCIAL ASSURANCE DOCUMENT (Check Type)

☐ Letter of Credit* ☒ Insurance Certificate

☐ Surety Bond* ☐ Escrow Account

☐ Trust Fund Agreement ☐ Financial Test

*Indicates
mechanisms that
require use of a
Standby Trust Fund
Agreement

Northwest District
160 Governmental Center
Pensacola, FL 32501-5794
850-595-8360

Northeast District
7825 Baymeadows Way, Ste. B200
Jacksonville, FL 32256-7590
904-448-4300

Central District
3319 Maguire Blvd., Ste. 232
Orlando, FL 32803-3767
407-894-7555

Southwest District
3804 Coconut Palm Dr.
Tampa, FL 33619
813-744-6100

South District
2295 Victoria Ave., Ste. 364
Fort Myers, FL 33901-3881
941-332-6975

Southeast District
400 North Congress Ave.
West Palm Beach, FL 33401
561-681-6600

RECEIVED

FEB 28 2007

Central Dist. DEP

III. ESTIMATE ADJUSTMENT

40 CFR Part 264 Subpart H as adopted by reference in Rule 62-701.630, Florida Administrative Code, with the method of annual cost estimate adjustment. Cost estimates may be adjusted by using an inflation factor or by recalculating the maximum costs of closure in current dollars. Select one of the methods of cost estimate adjustment below.

☒ (a) Inflation Factor Adjustment

Inflation adjustment using an inflation factor may only be made when a Department approved closure cost estimate exists and no changes have occurred in the facility operation which would necessitate modification to the closure plan. The inflation factor is derived from the most recent Implicit Price Deflator for Gross National Product published by the U.S. Department of Commerce in its survey of Current Business. The inflation factor is the result of dividing the latest published annual Deflator by the Deflator for the previous year. The inflation factor may also be obtained from the Solid Waste Financial Coordinator at (850)-245-8732.

This adjustment is based on the Department approved closure cost estimate dated: 11/26/2006

Latest Department Approved Closure Cost Estimate:		Current Year Inflation Factor		Inflation Adjusted Closure Cost Estimate:
\$3,933,365.00	X	1.030	=	\$4,051,365.95

This adjustment is based on the Department approved long-term care cost estimate dated: 11/26/2005 2006

Latest Department Approved Annual Long-Term Care Cost Estimate:		Current Year Inflation Factor		Inflation Adjusted Annual Long-Term Care Cost Estimate:
\$4,192,484.00 <i>annual</i>	X	1.030	=	\$4,318,258.52

Number of Years of Long Term Care Remaining: X 30 1

Inflation Adjusted Long-Term Care Cost Estimate: = 4,318,258.52

☐ (b) Recalculate Estimates (see section V)

IV. CERTIFICATION BY ENGINEER

This is to certify that the Financial Assurance Cost Estimates pertaining to the engineering features of the this solid waste management facility have been examined by me and found to conform to engineering principals applicable to such facilities. In my professional judgement, the Cost Estimates are a true, correct and complete representation of the financial liabilities for closing and long-term care of the facility and comply with the requirements of Florida Administrative Code (F.A.C.), Rule 62-701.630 and all other Department of Environmental Protection rules, and statutes of the State of Florida. It is understood that the Financial Assurance Cost Estimates shall be submitted to the Department annually, revised or adjusted as required by Rule 62-701.630(4), F.A.C.

Signature of Engineer

Signature of Owner/Operator

Name & Title (please type)

R. Shawn McCash

Name & Title (please type)

Florida Registration Number (affix seal) & Date

(561) 237-3414

Telephone Number

Mailing Address

Telephone Number

Williams, Elizabeth

From: Attkisson, Frank [Frank.Atkisson@myfloridahouse.gov]
To: Williams, Elizabeth
Sent: Friday, February 16, 2007 11:47 PM
Subject: Not read: Oak Hammock Landfill Notice of Application ltr. 0468

Your message

To: Frank.Atkisson@myfloridahouse.gov
Subject:

was deleted without being read on 2/16/2007 11:47 PM.

*Oak Hammock***Williams, Elizabeth**

From: Shawn McCash [SMcCash@wasteservicesinc.com]
Sent: Thursday, February 15, 2007 4:04 PM
To: Williams, Elizabeth
Cc: Bradner, James; Williams, Elizabeth
Subject: RE: Oak Hammock Disposal, Phases 2 & 3, Class I intent to issue 0060

I did not receive a copy of the email or draft permit as it was sent to an incorrect (smccash@wasteservicesinc.com) address. Please resend the email with the attachment and utilize either:

smccash@wasteservicesinc.com

or

smccash@wsii.us

Thank you.

Regards,

R. Shawn McCash

Sr. Vice President, Landfill Operations & Engineering
Waste Services, Inc.
5002 T-Rex Avenue, Suite 200
Boca Raton, Florida 33431
(561) 237-3414 [Office]
(561) 237-3401 [Fax]
smccash@wsii.us [eMail]

From: AGupta@Geosyntec.com [mailto:AGupta@Geosyntec.com]
Sent: Thursday, February 15, 2007 3:37 PM
To: Elizabeth.Williams@dep.state.fl.us
Cc: james.bradner@dep.state.fl.us; Shawn McCash
Subject: RE: Oak Hammock Disposal, Phases 2 & 3, Class I intent to issue 0060

I am responding on behalf of WSI. The draft permit for Oak Hammock Disposal Facility has been received. Thanks

Ayushman Gupta, P.E.
Senior Engineer

14055 Riveredge Drive
Suite 300
Tampa, FL - 33637
Phone: 813-558-0990 x 235
Fax: 813-558-9726
www.Geosyntec.com

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2/16/2007

addressee, you are hereby notified that reading, using, copying, or distributing any part of this message is strictly prohibited. If you have received this message immediately and take the steps necessary to delete the message completely from your computer system.

PM

To: smccash@wasteservices.com

Cc: Tedder, Richard; Wick, Fred; Hornbrook, Frank; Kozlov, Leonard; Ayushman Gupta; Levin, Laxsamee

Subject: Oak Hammock Disposal, Phases 2 & 3, Class I intent to issue 0060

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<http://www.adobe.com/products/acrobat/readstep.html>

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Elizabeth Williams

elizabeth.williams@dep.state.fl.us

Administrative Secretary - Waste Management

Dept. of Environmental Protection

3319 Maguire Blvd., Ste. 232

Orlando, FL 32803

Telephone 407/893-3328

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FAX 407/893-3124

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Williams, Elizabeth

From: Shawn McCash [SMcCash@wasteservicesinc.com]
Sent: Friday, February 16, 2007 7:56 AM
To: Williams, Elizabeth
Subject: RE: Oak Hammock Disposal, Phases 2 & 3, Class I intent to issue 0060

Received. Thanks for your help correcting this.
Regards,

R. Shawn McCash

Sr. Vice President, Landfill Operations & Engineering
Waste Services, Inc.
5002 T-Rex Avenue, Suite 200
Boca Raton, Florida 33431
(561) 237-3414 [Office]
(561) 237-3401 [Fax]
smccash@wsii.us [eMail]

From: Williams, Elizabeth [mailto:Elizabeth.Williams@dep.state.fl.us]
Sent: Friday, February 16, 2007 7:54 AM
To: Shawn McCash
Cc: Levin, Laxsamee
Subject: FW: Oak Hammock Disposal, Phases 2 & 3, Class I intent to issue 0060

Mr. McCash:
Please respond if you receive this. I used your new e-mail address. I will correct your e-mail address when we send out the permit.
Elizabeth

From: Williams, Elizabeth
Sent: Thursday, February 15, 2007 2:57 PM
To: 'smccash@wasteservices.com'
Cc: Tedder, Richard; Wick, Fred; Hornbrook, Frank; Kozlov, Leonard; 'agupta@geosyntec.com'; Levin, Laxsamee
Subject: Oak Hammock Disposal, Phases 2 & 3, Class I intent to issue 0060

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<http://www.adobe.com/products/acrobat/readstep.html>

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Elizabeth Williams

2/16/2007

elizabeth.williams@dep.state.fl.us
Administrative Secretary - Waste Management
Dept. of Environmental Protection
3319 Maguire Blvd., Ste. 232
Orlando, FL 32803
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Williams, Elizabeth

From: AGupta@Geosyntec.com
Sent: Thursday, February 15, 2007 3:37 PM
To: Williams, Elizabeth
Cc: Bradner, James; SMCash@wasteservicesinc.com
Subject: RE: Oak Hammock Disposal, Phases 2 & 3, Class I intent to issue 0060

I am responding on behalf of WSI. The draft permit for Oak Hammock Disposal Facility has been received. Thanks

Ayushman Gupta, P.E.
Senior Engineer

14055 Riveredge Drive
Suite 300
Tampa, FL - 33637
Phone: 813-558-0990 x 235
Fax: 813-558-9726
www.Geosyntec.com

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PM

To: smccash@wasteservices.com
Cc: Tedder, Richard; Wick, Fred; Hornbrook, Frank; Kozlov, Leonard; Ayushman Gupta; Levin, Laxsamee
Subject: Oak Hammock Disposal, Phases 2 & 3, Class I intent to issue 0060

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<http://www.adobe.com/products/acrobat/readstep.html>

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Elizabeth Williams
elizabeth.williams@dep.state.fl.us
Administrative Secretary - Waste Management
Dept. of Environmental Protection
3319 Maguire Blvd., Ste. 232
Orlando, FL 32803
Telephone 407/893-3328
Suncom 325-3328
FAX 407/893-3124

2/16/2007

Williams, Elizabeth

From: Kozlov, Leonard
To: Williams, Elizabeth
Sent: Thursday, February 15, 2007 3:16 PM
Subject: Read: Oak Hammock Disposal, Phases 2 & 3, Class I intent to issue 0060

Your message

To: 'smccash@wasteservices.com'
Cc: Tedder, Richard; Wick, Fred; Hornbrook, Frank; Kozlov, Leonard; 'agupta@geosyntec.com'; Levin, Laxsamee
Subject: Oak Hammock Disposal, Phases 2 & 3, Class I intent to issue 0060
Sent: 2/15/2007 2:57 PM

was read on 2/15/2007 3:16 PM.

Williams, Elizabeth

From: Hornbrook, Frank
To: Williams, Elizabeth
Sent: Thursday, February 15, 2007 4:55 PM
Subject: Read: Oak Hammock Disposal, Phases 2 & 3, Class I intent to issue 0060

Your message

To: 'smccash@wasteservices.com'
Cc: Tedder, Richard; Wick, Fred; Hornbrook, Frank; Kozlov, Leonard; 'agupta@geosyntec.com'; Levin, Laxsamee
Subject: Oak Hammock Disposal, Phases 2 & 3, Class I intent to issue 0060
Sent: 2/15/2007 2:57 PM

was read on 2/15/2007 4:55 PM.

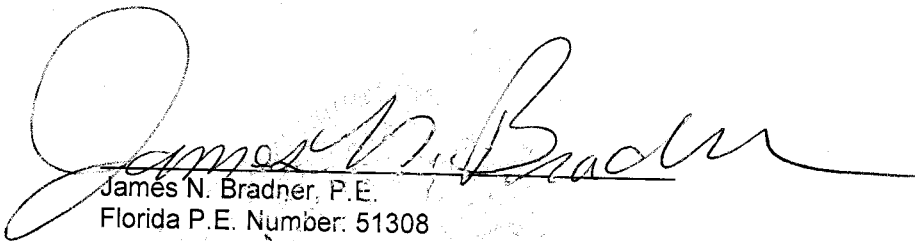
CERTIFICATION

Oak Hammock Disposal, Phases 2 and 3, Class I

Permit Application Nos. SC49-0199726-004 & SO49-0199726-005

I HEREBY CERTIFY that the engineering features described in the referenced application for a landfill construction and operation permit provide reasonable assurance of compliance with the applicable provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Title 62. However, I have not evaluated and I do not certify aspects of the proposal outside of my area of expertise (including but not limited to the electrical, mechanical, structural, hydrological, and geological features).

This review was conducted by George Cheryan working under my direct supervision.


James N. Bradner, P.E.
Florida P.E. Number: 51308

Seal

Date:

2/14/2007



Florida Department of Environmental Protection

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

By E-Mail
smccash@wasteservices.com

In the Matter of an
Application for Permit by:
Omni Waste of Osceola County, LLC
1501 Omni Way
St. Cloud, FL 34473

Attention: Mr. Shawn McCash

OCD-SW-07-0060
Osceola County – SW
Oak Hammock Disposal, Phases 2 and 3, Class I
DEP File Nos. SC49-0199726-004 and
SO49-0199726-005

This is the Department's Intent to Issue Permit Nos. SC49-0199726-004 & SO49-0199726-005. Enclosed are the "Notice of Proposed Agency Action" and Draft Permit for the project and file numbers noted above. Please contact the Central District's Solid Waste Program at 407-893-3328 if you have questions or need further information.

INTENT TO ISSUE

The Department of Environmental Protection gives notice of its intent to issue a permit (copy of conditions attached) for the proposed project as detailed in the application specified above, for the reasons stated below.

The applicant, Omni Waste of Osceola County, LLC/Shawn McCash, applied on September 12, 2006, to the Department of Environmental Protection for a permit to continue waste disposal in Phase 1 and to construct and operate the Oak Hammock Disposal, Phases 2 and 3, Class I in Osceola County, Florida.

The Department has permitting jurisdiction under Section 403.707(1), F.S. and Chapters 62-4, 62-701, and 62-711 F.A.C. The project is not exempt from permitting procedures. The Department has determined that a construction and operation permit is required for the proposed work.

Pursuant to Section 403.815, F.S., you are required to publish at your own expense the enclosed Notice of Proposed Agency Action. The notice shall be published one time only within 30 days in the legal ad section of a newspaper of general circulation in the area affected. For the purpose of this rule, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, F.S., in the county where the activity is to take place. Where there is more than one newspaper of general circulation in the county, the newspaper used must be one with significant circulation in the area that may be affected by the permit. If you are uncertain that a newspaper meets these requirements, please contact the Department at the address or telephone number listed below. You must provide proof of publication to the Department at the address listed below as soon as practical after publication. Department of Environmental Protection, 3319 Maguire Boulevard, Suite 232, Orlando, FL 32803, telephone 407/893-3328.

The Department will issue the permit with the attached conditions unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, F.S., before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S.

The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000.

Petitions by the applicant or any of the parties listed below must be filed within 14 days of receipt of this written notice. Petitions filed by other persons must be filed within 14 days of publication of the notice or receipt of the written notice, whichever occurs first. Under Section 120.60(3), F.A.C., however, any person who asked the Department for notice of agency action may file a petition within fourteen days of receipt of such notice, regardless of the date of publication. The petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the Department's action is based must contain the following information:

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are or will be affected by the Department's action or proposed action;
- (d) A statement of all material facts disputed by petitioner or a statement that there are no disputed facts;
- (e) A statement of the ultimate facts alleged, including a statement of the specific facts which the petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action the petitioner wants the Department to take with respect to the Department's action or proposed action.

A petition that does not dispute the material facts on which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation is not available in this proceeding.

Any party to this order has the right to seek judicial review of it under Section 120.68, F.S., by filing a notice of appeal under Rule 9.110, Florida Rules of Appellate Procedure, with the clerk of the Department in the Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within thirty days after this order is filed with the clerk of the Department.

Executed in Orlando, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

Vivian F. Garfein

Vivian F. Garfein
Director, Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803
407/894-7555

Date: February 15, 2007

FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to Section 120.52, F. S., with the designated Department Clerk, receipt of which is hereby acknowledged.

E. Williams

Feb. 15, 2007

Clerk

Date

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this INTENT TO ISSUE and all copies were sent by electronic mail before the close of business on February 15, 2007 to the listed persons.

E. Williams

Clerk

VFG/gc/ew

Enclosures

1. Wording for "Notice of Proposed Agency Action"
2. Draft Permit

Copies furnished to:

Richard Tedder, P.E. – DEP – Tallahassee
Fred Wick – DEP – Tallahassee
Frank Hornbrook – DEP – Tallahassee
L. Kozlov, P.E. – DEP – Air Section
Ayushman Gupta, P.E. – Geo Syntec Consultants agupta@geosyntec.com

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOTICE OF PROPOSED AGENCY ACTION

The Department of Environmental Protection gives Notice of its intent to issue a construction and operation permit to Omni Waste of Osceola County, LLC, /Shawn McCash, 1501 Omni Way, St. Cloud, FL 34473, to construct and operate the Oak Hammock Disposal, Phases 2 & 3, Class I, in Osceola County, FL. The landfill is located approximately 6.5 miles south of Holopaw, on the west side of U. S. Highway 441, in eastern Osceola County, FL.

The Department has assigned File Numbers SC49-0199726-004 & SO49-0199726-005 to the project and has considered the effects of this landfill on ground water and surface water.

The Department's file on this matter is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department of Environmental Protection, Central District office, 3319 Maguire Boulevard, Suite 232, Orlando, FL 32803, Telephone 407/893-3328.

A person whose substantial interests are affected by the above proposed agency action may petition for an administrative determination (hearing) under sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Department's Office of General Counsel, Marjory Stoneman Douglas Building, 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000. Petitions filed by any persons other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within 14 days of publication of this notice or receipt of the written notice, whichever occurs first. The petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57 of the Florida Statutes, or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with rule 28-106.205 of the Florida Administrative Code.

A petition that disputes the material facts on which the Department's action is based must contain the following information:

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of all material facts disputed by petitioner or a statement that there are no disputed facts;
- (e) A statement of facts which the petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of which rules or statutes the petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action the petitioner wants the Department to take with respect to the Department's action or proposed action.

A petition that does not dispute the material facts on which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by rule 28-106.301 of the Florida Administrative Code.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

In accordance with Section 120.573, F.S., the Department advises that mediation is not available in this case as an alternative to filing a petition for an administrative determination.



Florida Department of Environmental Protection

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

Permittee:
Omni Waste of Osceola County, LLC
1501 Omni Way
St. Cloud, FL 34773

WACS Facility: 89455
Permit Numbers: SC49-0199726-004 &
SO49-0199726-005
Expiration Date: 01/11/2012
County: Osceola
Section 11, 13, 14, 17 & 18, Township 28 South,
Range 32 East and 33 East
Latitude 28°03'32" North / Longitude 81°05'46"

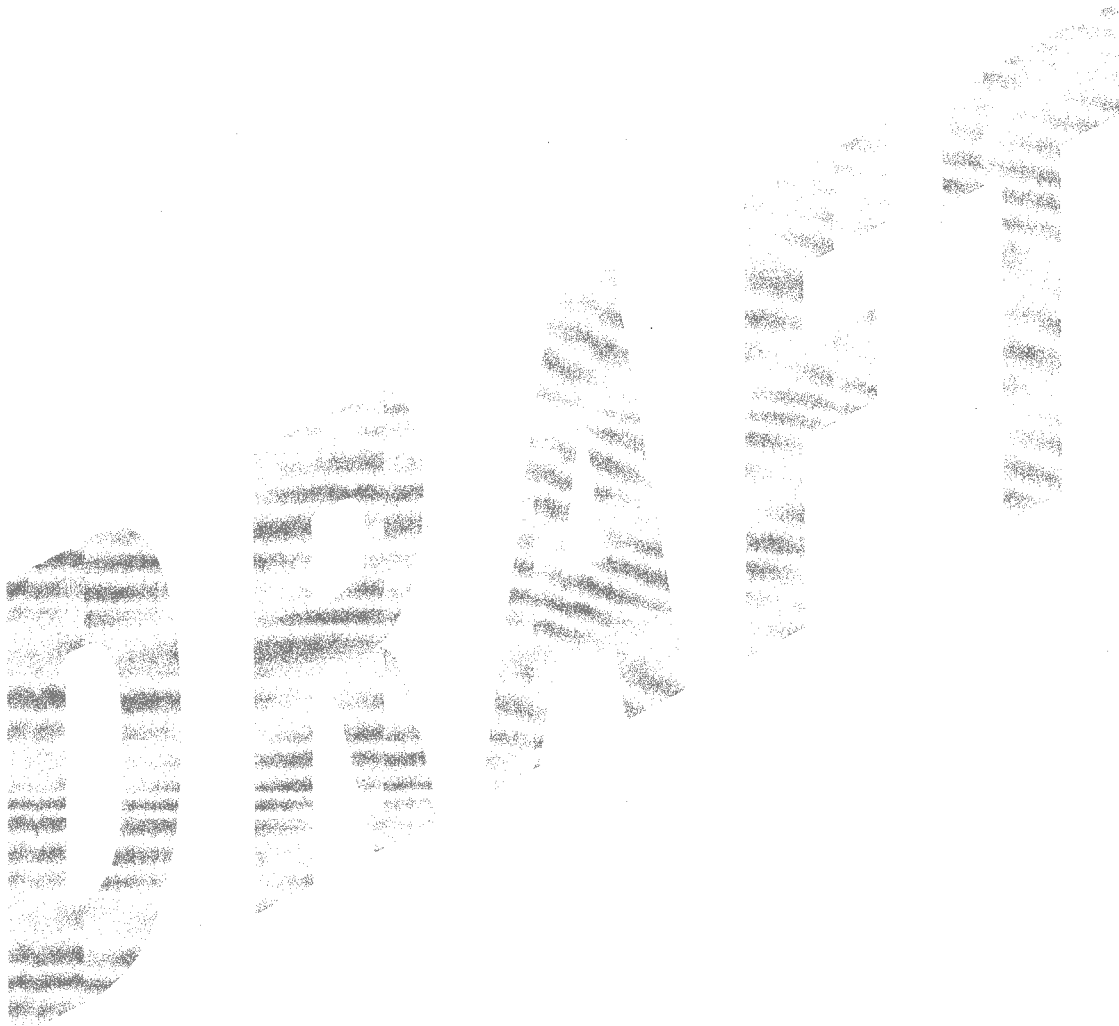
Attention: Mr. Shawn McCash
West

Project: Oak Hammock Disposal, Phases 2 & 3,

Class I

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 62-4, 62-701, and 62-711. The above named permittee is hereby authorized to perform the work and operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

- To continue waste disposal operations in Oak Hammock Disposal, Phase 1.
- To construct and operate the Oak Hammock Disposal, Phases 2 and 3, Class I landfill. The present service area for the landfill is Osceola County, counties surrounding Osceola County, and counties adjoining the surrounding counties.
- The complete build-out of the facility will include 21 landfill cells with a footprint of approximately 264 acres within a property boundary of approximately 2,179 acres. The anticipated life of the complete facility is 10 to 15 years.
- This permit renewal application is to construct and operate Phase 2, which includes Cells 5, 6, and 7, and Phase 3, which includes Cells 8, 9, and 10. Cells 1 through 4 were constructed at Oak Hammock Disposal as part of Phase I development. Class I waste has been and/or is being currently deposited in Cells 1, 2, and 4. Cell 3 is currently accepting waste.
- Phase 2 includes Cells 5, 6, and 7, and has a footprint of approximately 36 acres. Phase 3 includes Cells 8, 9, and 10, and has a footprint of approximately 34 acres. Other principal features of Phases 2 and 3 include expansion of the existing stormwater management system and relocation of the interim leachate storage facility. The existing leachate storage facility will be relocated to a permanent location adjacent to the administrative area during construction of Cell 8.
- Household waste, commercial waste, construction and demolition debris, and other waste classified as Class I waste may be disposed in the landfill. The waste will be from residential communities and commercial sources.



- The Class I landfill is equipped with a double-composite liner system, which directs any liquid entering the landfill that may have contacted refuse to a leachate collection system (LCS). Collected leachate is pumped from the sumps into the leachate transmission line where it is conveyed to an on-site leachate storage facility, and periodically trucked to the St. Cloud wastewater treatment plant (WWTP) for treatment and disposal.
- A gas management system will be implemented to control odors and migration of methane.
- The facility has a Title V air permit #0970079-003-AV.
- The project incorporates a ground water and surface water monitoring plan.

LOCATION: The landfill is located approximately 6.5 miles south of Holopaw, on the west side of U. S. Highway 441, in eastern Osceola County, Florida.

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, Florida Statutes (F.S.). The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup and auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:
 - (a) Have access to and copy any records that must be kept under conditions of this permit;
 - (b) Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
 - (c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.
8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
 - (a) A description of and cause of noncompliance; and
 - (b) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

ORANGE

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Section 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.
11. This permit is transferable only upon Department approval in accordance with Rule 62-4.120 and 62-730.300, Florida Administrative Code (F.A.C.), as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.
12. This permit or a copy thereof shall be kept at the work site of the permitted activity.
13. The permittee shall comply with the following:
 - (a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
 - (b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring information) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
 - (c) Records of monitoring information shall include:
 1. the date, exact place, and time of sampling or measurements;
 2. the person responsible for performing the sampling or measurements;
 3. the dates analyses were performed;
 4. the person responsible for performing the analyses;
 5. the analytical techniques or methods used;
 6. the results of such analyses.
14. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

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Attention: Mr. Shawn McCash

SPECIFIC CONDITIONS:

Note that time-sensitive specific conditions are summarized in Appendix B of this permit.

1. Plans and Specifications: Drawings, plans, documents and specifications submitted by the permittee, not attached hereto, but on file at the Central District office, are made a part of this permit. The documents are listed in Appendix A.
2. Inspection Requirements: A copy of the permit, with a complete copy of the permit application and engineering drawings, shall be kept on file at the landfill for inspection and review upon request.
3. Other Permits: This permit does not relieve the permittee from complying with any other appropriate stormwater, ERP, Title V/NSPS, or other permit requirements.
4. Signs: Signs indicating the name of the operating authority, traffic flow, hours of operation, charges for disposal and the types of wastes accepted shall be placed at all entrances to the site, Rule 62-701.500(11)(g), F.A.C.
5. Site Access: Access to the site shall be restricted by an effective barrier designed to prevent unauthorized entry and dumping, Rule 62-701.500(5), F.A.C.
6. Litter, Dust & Fire Protection: The landfill shall have litter control devices, dust controls, fire protection and fire-fighting facilities, Rule 62-701.500(11)(d), (e) and (f), F.A.C. Litter must be collected and litter control devices must be cleaned. All collected litter must be placed in the active cell for disposal.
7. Safety Devices: Safety devices shall be provided on equipment to shield and protect the operators from potential hazards during operation.
8. Equipment Breakdown: In the event of equipment malfunction, destruction, breakdown or other problems resulting in the permittee being temporarily unable to comply with any of the conditions of this permit, the permittee shall immediately notify the Department. The notification shall address the cause of the problem, corrective action, and what steps are being taken to prevent recurrence, as required by Rule 62-4.130, F.A.C.
9. Effluent Discharge: There shall be no discharge of liquid effluents or contaminated runoff to surface or ground water without prior approval from the Department.
10. Surface Water Management: All surface water runoff from the developed portions of the site shall be collected and treated to meet the requirements of Chapters 373 and 403, Florida Statutes (F.S.) prior to discharge off-site. The surface water management system shall prevent surface water flow into waste filled areas.
11. Stormwater - Leachate Contamination: Stormwater that comes into contact with leachate shall be treated as leachate. Any leachate emanating from the landfill shall be collected and treated as necessary to meet the requirements of Chapters 62-302, 62-4 and 62-520, F.A.C., prior to discharge off-site, unless the leachate is transmitted to a permitted treatment facility.
12. Stormwater Management System Maintenance: The stormwater management system shall be maintained and visually inspected regularly, and shall be cleaned and maintained as necessary to allow for treatment and conveyance of stormwater according to the permitted engineering design.

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13. Zone of Discharge: The zone of discharge for the facility shall be a three dimensional volume, defined in the vertical plane as extending from the top of the ground to the bottom of the screen of the deep surficial monitoring wells, and defined in the horizontal plane as extending 100 feet from the footprint of the waste disposal area or to the property boundary, whichever is less. Class G-II water quality standards must be met at the boundary of the zone of discharge in accordance with Rule 62-522.410, F.A.C.
14. Monitoring Plan Implementation Schedule: The Monitoring Plan Implementation Schedule (MPIS) attached as Exhibit I is made a part of this permit. All new wells shall be in place and sampled prior to placement of waste in the newly constructed cells. All new and existing wells shall be sampled semiannually, as required in the MPIS.
15. Construction Quality Assurance: The Construction Quality Assurance (CQA) Plan submitted with the permit application shall be followed for installing and testing the liner system and related components. The CQA engineer or the engineer's designee shall be on-site at all times during construction of the liner systems to monitor the construction activities including the preparation of the subgrade, placement of the GCL, primary and secondary liners, and the placement of the soil drainage layer over the primary liner to ensure the underlying geosynthetics are not damaged during construction.
16. Liner Installation-Summary Report: A professional engineer, licensed in Florida, shall supervise and evaluate the liner installation quality assurance/quality control program to ensure that the liner meets design specifications. Upon completion, the engineer shall submit a summary report to the Department, documenting complete conformity to the approved plans and specifications. This summary report shall include a documented control program of the liner installation, liner inspections, and the quality assurance/quality control testing procedures and laboratory analyses. This report shall be included with the certification required in Specific Condition 23 of this permit.
17. Subgrade Preparation: Prior to the liner installation, the subgrade shall be prepared to provide a firm, unyielding foundation. If necessary, the base shall be brought up to grade by placement and compaction of fill material. The fill material and subgrade shall not contain rocks, roots, debris, shells, or other materials that could penetrate the liner material.
18. Liner: The liner system consists of a double-composite liner. The liner system, from top to bottom, consists of: 2 foot thick protective soil layer, primary geocomposite drainage layer, 60-mil thick primary HDPE textured geomembrane, primary geosynthetic clay liner (GCL), secondary geocomposite drainage layer, 60-mil thick secondary HDPE textured geomembrane, secondary GCL, and compacted sub-grade.
19. Liner Installation – Department Notification: Installation of the liner shall be performed by an experienced installer who has installed similar type materials. The permittee shall notify the Department at least 10 days prior to the commencement of liner installation work in any cell.
20. GCL Installation Limitation: The number of geosynthetic clay liner (GCL) panels that may be deployed in any one day shall be limited to the number that can be placed in a dry condition and covered by the HDPE while still dry. No installation or seaming of GCL under wet conditions shall be allowed. The CQA plan requires the owner's inspector to inspect the subgrade each day prior to placing the GCL.

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21. Geomembrane Testing: Non-destructive air pressure tests and/or vacuum test shall be conducted by the installer, under the direction of the CQA engineer or his designee, to test 100 percent of the field seams of the geomembrane. Destructive tests of the geomembrane field seams shall be in accordance with the approved CQA plan and at a frequency of no less than one destructive test sample every 500 linear feet of field seam.
22. Construction Permit Renewal: The construction shall reasonably conform to the plans and supporting documents submitted as part of the application. If construction cannot be completed before the expiration of this permit, the permittee must notify the Department, in writing, at least 60 days prior to the expiration of the construction permit and request a renewal of the construction permit.
23. Certification: After all significant initial construction has been completed, and prior to acceptance of any solid waste, the Engineer of Record shall submit a Certification of Construction Completion, DEP Form 62-701.900(2), then contact the Department to arrange for Department representatives to inspect the facility with the permittee, the engineer, and the proposed on-site facility operator. The certification must be done for each cell individually.
24. Construction Sequencing Plans: The construction sequencing plans (including cells containing waste, cell under construction, owners operation area, and contractor laydown area) for proposed Phases 2 and 3 are presented on sheets 25 and 26 of the Renewal Permit Drawings, respectively (Reference No. 2 – Appendix A).
25. Solid Waste Disposal: Phases 2 and 3 of the landfill shall not receive solid waste until the leachate collection system is in place and functional, and Specific Conditions 14, 16, and 23 are satisfied.
26. Liner Edge Identification: The edge of the liner must be clearly and permanently outlined by permanent monuments or markers, so that solid waste is deposited at least 10 feet inside the edge of the liner. The location of monuments or markers shall be established by a Professional Surveyor and Mapper, licensed in Florida. The monuments or markers shall be of sufficient number to clearly define the liner edge, and shall be visible and easily identifiable to operation personnel and regulatory inspectors.
27. Solid Waste Burning: Burning of solid waste is prohibited except in accordance with Rule 62-701.300(3), F.A.C. Any fires at the landfill must be reported to the Department in accordance with the Operation Plan. Also, within five days, a letter explaining the cause, remedial action, and measures taken to prevent a recurrence must be sent to the Department.
28. Improper Operations: When the Department, after investigation, has good reason (such as complaints, questionable maintenance of equipment, or improper operations) to believe that any applicable standard contained in Chapter 62-701, F.A.C. or in this permit is being violated, it may require the landfill owner or operator of the source to identify the nature of the problem and to submit a report to the Department on the results of the investigation and corrective action taken to prevent its recurrence.
29. Operation of Pollution Control Devices: The leachate and stormwater control systems shall be properly operated, monitored and maintained (Rule 62-701.500, F.A.C.).

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30. Leachate Collection and Removal System: The primary leachate collection and removal system lying above the upper geomembrane shall be designed to limit the leachate head to one foot above the liner during routine landfill operations after placement of initial cover, except in sumps and leachate collection trenches, Rule 62-701.400(3)(c)1, F.A.C.
31. Secondary Leachate Collection System: The secondary leachate collection system must have a minimum hydraulic conductivity of 10 cm/sec and shall be designed to not allow the leachate head on the secondary geomembrane liner to exceed the thickness of the drainage layer, Rule 62-701.400(3)(c)2, F.A.C.
32. Leachate Storage Tanks: The integrity of the leachate storage tanks and containment facilities shall be checked weekly so that no leachate release to the soil will occur. The storage tanks and containment facilities shall be maintained and operated in accordance with Rule 62-701.400(6), F.A.C.
33. Storage Tank Inspection Records & Documentation of Repairs: The permittee shall keep inspection records and documentation of repairs made to the leachate storage tank at the landfill site for the operational life of the leachate storage tank.
34. Leachate Collection Pipes: The leachate collection pipes shall be cleaned, on average, once every five years. Should there be any indication that collection and removal of leachate from the cell is not occurring as intended, more frequent cleaning and video inspection of the pipelines shall be performed as needed to restore original design conditions. Results of the collection system cleanings or inspections shall be made available to the Department upon request.
35. Leachate Quantity: Quantities of leachate collected by the leachate collection and removal system must be recorded in gallons per day from the leachate force main flow meter. Operators shall record daily flow amounts and data shall be included with the operating record, Rule 62-701.500(8)(f), F.A.C.
36. Precipitation Records: A recording rain gauge shall be operated and maintained to record precipitation at the landfill. Precipitation records shall be maintained and used by the permittee to compare with leachate generation rates, Rule 62-701.500(8)(g), F.A.C.
37. Hazardous Wastes: Any incidental hazardous wastes received in connection with operation of this facility must be disposed of in accordance with Rule 62-730, F.A.C.
38. Control of Nuisance Conditions: The permittee shall be responsible for the control of odors and fugitive particulates arising from this operation. Such controls shall prevent the creation of nuisance conditions that may arise from adverse odors and fugitive particulates and their effect on adjacent or nearby properties and users. The permittee shall immediately investigate any complaints received from the general public and, where warranted, take corrective action taken to abate the adverse odor or nuisance condition. The permittee will prepare a written report on each complaint describing the action taken to resolve the complaint, and submit the report to the Department within 10 days of receiving the complaint. If the complaint has not been resolved by that time, the permittee must prepare and submit an additional report no later than 10 days from the date of resolution.

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39. Operation Plan: An operation plan that meets the requirements of Rule 62-701.500(2), F.A.C. shall be kept at the landfill. All landfill operators and spotters shall be trained and knowledgeable about the plan.
40. Initial Waste Placement: The first layer of waste placed above the liner and leachate collection system shall be a minimum of four feet in compacted thickness and consist of selected wastes containing no large rigid objects that may damage the liner or leachate collection system.
41. Initial Cover Stockpile: An adequate supply of acceptable initial cover, as specified in the operation plan, shall be maintained at the landfill and be available at all times. All stockpiles shall be graded to minimize erosion potential. Silt fences or diversion berms shall be utilized around the stockpiles to control erosion.
42. Waste Compaction & Working Face: Except for the placement of the initial layer of waste, all solid waste shall be spread in layers of approximately two (2) feet in thickness and compacted to approximately one (1) foot in thickness, or as thin a layer as practical, before the next layer is applied, Rule 62-701.500(7)(a), F.A.C. All compacted solid waste shall be formed into cells with the working face and the side grades above land surface at a slope no greater than three feet horizontal to one foot vertical rise, Rule 62-701.500(7)(c), F.A.C. The working face shall be only large enough to efficiently accommodate vehicles discharging waste and to minimize the exposed area and the use of unnecessary cover material, Rule 62-701.500(7)(d), F.A.C.
43. Initial Cover and Intermediate Cover: Initial cover shall be applied at the end of each working day, except the working face may be covered with temporary cover if solid waste will be placed on it within 18 hours. If additional waste is to be deposited on the working face within 18 hours, the initial cover may consist of a temporary cover, such as tarpaulin, that may be removed prior to the placement of additional waste. An intermediate cover of one (1) foot of compacted earth in addition to the six (6) inch initial cover shall be applied within seven (7) days of cell completion if final cover or an additional lift is not to be applied within 180 days of cell completion. All or part of the intermediate cover may be removed prior to placing additional waste or installing final cover, Rule 62-701.500(7)(f), F.A.C.
44. Final Cover - Top: In descending order, the final cover system on the top (5 percent) slopes of the landfill shall consist of: 0.5-ft. thick vegetative layer, 1.5-ft. thick cap protective soil layer, 40-mil thick smooth polyethylene (PE) geomembrane, and 1-ft. thick (minimum) intermediate cover layer over the compacted waste.
45. Final Cover - Side Slopes: The final cover system on the 4H:1V side slopes of the landfill from top to bottom shall consist of: 0.5-ft. thick vegetative layer, 1.5-ft. thick protective layer, a geocomposite drainage layer, a 40-mil thick textured PE geomembrane, and a 1-ft. thick (minimum) intermediate cover layer over the compacted waste.
46. Erosion Minimization: Erosion of the final cover system shall be minimized by final cover swales. The swales shall intercept sheet flow from the final cover system. The final cover swales shall direct the collected surface-water runoff to downchutes and the perimeter swale. A vegetative cover placed on the final cover slopes of the landfill will minimize erosion and reduce loss from the final cover system. The final cover system shall be periodically inspected and erosion damage or vegetative stress shall be repaired before significant erosion develops.

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47. Side Slopes: The side slopes shall not be steeper than 4 horizontal to 1 vertical and, when the final cover is installed, shall be sodded to minimize erosion.
48. Final Cover Surface Gradient: The top gradient of the final cover surface will have a gradient of 5 percent and shall take into consideration the effects of expected subsidence caused by settling and decomposition of the fill material to minimize ponding and erosion.
49. Routine Maintenance: Cracks or eroded sections in the surface of any filled and covered area shall be properly repaired, and a regular maintenance program shall be followed to eliminate pockets or depressions that may develop as refuse settles. The slopes and drainage structures shall be inspected at least monthly and after major storm events for evidence of settling, erosion, washout or siltation.
50. Gas Monitoring: The permittee shall implement a gas management system to comply with Rule 62-701.530, F.A.C. Monitoring for methane gas at the property boundary and within structures on the property shall be performed quarterly to determine the effectiveness of the gas migration controls. The gas monitoring results shall be reported as percent of the lower explosive limit (LEL), calibrated to methane, and shall be submitted to the Department within 30 days of receipt of data. If the gas monitoring results show that combustible gas concentrations exceed 25% of the LEL noted above, the permittee shall implement a Gas Remediation Plan as required in Rule 62-701.530(3)(a), F.A.C.
51. Landfill Elevation: The final (maximum) elevation of the Oak Hammock Disposal, Class I landfill, shall not exceed 178 feet NGVD.
52. Operation Training Compliance: The Oak Hammock Disposal, Class I landfill shall comply with Rule 62-701.320(15), F.A.C. - Operator training.
53. Waste Report: A waste report shall be submitted to the Department quarterly, Rule 62-701.500(4)(b), F.A.C. Waste reports shall include the quantity of each of the following:

- Household waste
- Agricultural waste
- Commercial waste
- Incinerator by-pass waste
- Construction and demolition debris
- Industrial sludge
- Treated biomedical waste
- Yard Trash
- Industrial waste
- Ash residue
- Sewage sludge
- Water/air treatment sludges
- Waste tires

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SPECIFIC CONDITIONS:

All submittals in response to this specific condition shall be submitted to: Solid Waste Section, Department of Environmental Protection, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, with a copy to: Department of Environmental Protection, Central District, Solid Waste Section, 3319 Maguire Boulevard, Suite 232, Orlando, Florida 32803-3767. The reports shall be submitted no later than the 20th of January, April, July and October.

54. Record Keeping: The permittee shall comply with the record keeping requirements for a Class I landfill, Rule 62-701.500(13), F.A.C.
55. Permit Deviations: The Department shall be notified and approval shall be obtained prior to executing any substantial changes or revisions to the construction and operation authorized by this permit.
56. Operation Permit Renewal: An operation permit renewal must be submitted at least 60 days prior to the expiration date of this permit, Rule 62-4.090, F.A.C.
57. Closure Permit Requirements: At least 90 days prior to the date when wastes will no longer be accepted at the landfill, the owner or operator shall submit a closure permit application to the Department, Rule 62-701.600(3), F.A.C.
58. Solid Waste Disposal Rate: The average solid waste disposal rate for this source is 6,000 tons per day as stated in the application. Actual operating rates may vary depending upon business conditions.
59. Financial Assurance, Phase 1 and Phase 2, Cell 5: This permit authorizes disposal of waste in Phase 1 and Phase 2, Cell 5. The financial assurance mechanism shall be fully funded for all Phase 1 cells, and updated at least 60 days prior to accepting waste in Phase 2, Cell 5.
60. Phased Financial Assurance – Cell 6: Before solid waste disposal can proceed in any other portion of the disposal area the permittee shall apply for a minor permit modification addressing the expansion area and receive approval from the Department. The modification must include updated closure and long-term care cost estimates and financial assurance that meet the requirements of Rule 62-701.630, F.A.C. The Department will not grant approval of the minor modification until final agency action is completed, construction is certified by the Engineer of Record, and the certification and financial assurance are accepted by the Department.
61. Financial Responsibility: The permittee shall maintain financial assurance in accordance with the requirements of Rule 62-701.630, F.A.C. Proof that the financial mechanisms are established and funded in accordance with Rule 62-701.630, F.A.C. and 40 CFR Part 264 Subpart H as adopted by reference in Rule 62-701.630, F.A.C. shall be submitted to the Department sixty (60) days prior to the acceptance of any solid waste at the facility. All submittals in response to this specific condition shall be sent to: Department of Environmental Protection, Financial Coordinator, Solid Waste Section, Twin Towers Office Building, 2600 Blair Stone Road, MS-4565, Tallahassee, Florida 32399-2400, **with a copy to**: Department of Environmental Protection, Central District, Solid Waste Section, 3319 Maguire Boulevard, Suite 232, Orlando, Florida 32803-3767.

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Permit/Certification Numbers:
SC49-0199726-004 & SO49-0199726-005
Expiration Date: 01/11/2012

Attention: Mr. Shawn McCash

SPECIFIC CONDITIONS:

62. Annual Cost Estimates and Financial Instrument Adjustments: The permittee shall, in addition to annually adjusting the closure and long-term care cost estimates, adjust the financial assurance mechanism to reflect an increase in cost estimates. Cost estimate adjustments shall be in accordance with Rule 62-701.630(4), F.A.C. Instrument adjustments shall be in accordance with Rule 62-701.630, F.A.C. and 40 CFR Part 264, Subpart H as adopted by reference in Rule 62-701.630, F.A.C. Documentation of financial mechanism increases shall be submitted to: Financial Coordinator, Solid Waste Section, Department of Environmental Protection, Twin Towers Office Building, 2600 Blair Stone Road, MS-4565, Tallahassee, Florida 32399-2400. All estimate update submittals shall be sent to: Department of Environmental Protection, Central District, Solid Waste Section, 3319 Maguire Boulevard, Suite 232, Orlando, Florida 32803-3767.
63. Prevention of Significant Deterioration (PSD) Requirements: The landfill owner or operator is not required to obtain any air construction permit unless landfill construction or any modification is subject to the prevention of significant deterioration (PSD) requirements of Chapter 62-212, F.A.C. A landfill for which construction or modification is subject to PSD requirements must make application to the Bureau of Air Regulation, Mail Station 5505, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, for an air construction permit and must obtain such permit prior to beginning any construction or modification.
64. Title V Permit Requirements: The landfill owner or operator is not required to obtain any air operating permit unless the landfill is required to obtain a Title V air operating permit (Title V permit) pursuant to Section 403.0872, F.S. A landfill is required to obtain a Title V permit if the landfill (or the total facility, if the landfill is contiguous or part of a larger facility) has the potential to emit 10 TPY of any hazardous air pollutant, 25 TPY of any combination of hazardous air pollutants or 100 TPY of any other regulated air pollutant. A landfill is also required to obtain a Title V permit if the maximum design capacity as defined in 40 CFR 60, Subpart WWW, is equal or greater than 2.5 million Megagrams or 2.5 million cubic meters. Title V permits must be applied for in accordance with the timing and content requirements of Rule 62-204.800, F.A.C. and Chapter 62-213, F.A.C. Title V applications shall be submitted to the Central District Air Program Administrator.
65. 40 CFR 60 Requirements: The permittee shall comply with the applicable requirements of 40 CFR 60, Subparts WWW and Cc, as adopted by reference at Rule 62-204.800, F.A.C. The permittee shall submit to the Division of Air Resources Management, Department of Environmental Protection, Mail Station 5500, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400 any amended design capacity report and any Non-Methane Organic Compound (NMOC) emission rate report, as applicable, pursuant to 40 CFR 60.757(a)(3) and (b).

ISSUED: _____

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

Vivian F. Garfein
Director, Central District
3319 Maguire Boulevard, Suite 232

Orlando, Florida 32803

Page 12 of 13

FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to Section 120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Clerk

Date

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT and all copies were mailed before the close of business on _____ to the listed persons.

Clerk

DRAFT

Appendix A

1. Renewal Permit Application To Construct And Operate Phases 2 and 3 Of The Oak Hammock Disposal Facility, Prepared by GeoSyntec Consultants, Tampa, Florida dated September 2006. Received and stamped September 12, 2006, Central District – DEP.
2. Oak Hammock Disposal Facility Phases 2 and 3 Renewal Permit Drawings dated September 2006. Received and stamped September 12, 2006, Central District – DEP.
3. Request For Additional Information from DEP – Central District, dated October 12, 2006.
4. Response to RAI #1 Renewal Permit Application Phases 2 and 3 Oak Hammock Disposal Facility, Prepared by GeoSyntec Consultants, Tampa, Florida dated November 2006. Received and stamped November 21, 2006, Central District – DEP.

DRAFT

APPENDIX B
DEP Permit #SC49-0199726-004
DEP Permit #SC49-0199726-005

Specific Condition	Requirement	Action	Due date
8	Equipment Breakdown	Notify the Department of equipment breakdown, malfunction, etc.	Immediately upon discovery
14	Monitoring Plan Implementation Schedule (MPIS)	Notify the Department if an exceedance is confirmed, or if the permittee chooses not to resample following an exceedance	Within 14 days of this finding
14	Monitoring Plan Implementation Schedule (MPIS)	Collect and analyze initial samples from groundwater monitoring well clusters MW-16, MW-17, MW-18, MW-19, MW-20, MW-21, MW-22 and MW-23	Before any waste is deposited in Cells 2 and 3
14	Monitoring Plan Implementation Schedule (MPIS)	Collect and analyze samples from the 69 groundwater monitoring wells	Semi-annually (May and November)
14	Monitoring Plan Implementation Schedule (MPIS)	Measure and report ground water levels in all wells, whether sampled or not	Semi-annually unless required more frequently by permit condition
14	Monitoring Plan Implementation Schedule (MPIS)	Measure and report ground water levels in all wells, whether sampled or not	Within a one day period
14	Monitoring Plan Implementation Schedule (MPIS)	Collect and analyze samples from the two (2) surface water monitoring sites	Semi-annually (May and November)
14	Monitoring Plan Implementation Schedule (MPIS)	Measure and report surface water elevations at sampling locations	On the same day as ground water levels in the wells. Semi-annually unless required more frequently by permit condition
14	Monitoring Plan Implementation Schedule (MPIS)	Measure and report surface water levels	Within a one day period
14	Monitoring Plan Implementation Schedule (MPIS)	Collect and analyze samples from leachate sample points L-1, L-2, L-3, L-4, L-5, L-6, L-7, L-8, L-9 and L-10	Annually (November)

APPENDIX B
DEP Permit #SC49-0199726-004
DEP Permit #SC49-0199726-005

Specific Condition	Requirement	Action	Due date
14	Monitoring Plan Implementation Schedule (MPIS)	Collect and analyze samples from leachate sample points L-1, L-2, L-3, L-4, L-5, L-6, L-7, L-8, L-9 and L-10.	Monthly if the annual analysis indicated that a contaminant exceeds the regulatory level
14	Monitoring Plan Implementation Schedule (MPIS)	Commence installation of new monitoring well clusters MW-16, MW-17, MW-18, MW-19, MW-20, MW-21, MW-22 and MW-23	Within 90 days from the date of permit issuance
14	Monitoring Plan Implementation Schedule (MPIS)	Notify the Department in writing if a monitoring well becomes damaged or inoperable	Within 7 days of discovery
14	Monitoring Plan Implementation Schedule (MPIS)	Submit proposed well construction design for new or replacement monitoring well design or placement	Prior to well installation
14	Monitoring Plan Implementation Schedule (MPIS)	Submit an abandonment plan for abandoning any well that is unsuitable for ground water monitoring	Prior to abandonment
14	Monitoring Plan Implementation Schedule (MPIS)	Notify the Department prior to the installation and/or sampling of any monitoring well(s)	At least fourteen (14) days prior to sampling
14	Monitoring Plan Implementation Schedule (MPIS)	Submit a drawing showing the location of all monitoring wells (active and abandoned), water bodies and waste filled areas	Within thirty (30) days following monitoring well installation
14	Monitoring Plan Implementation Schedule (MPIS)	Measure the total depth on all wells	At time of permit renewal

APPENDIX B
DEP Permit #SC49-0199726-004
DEP Permit #SC49-0199726-005

Specific Condition	Requirement	Action	Due date
14	Monitoring Plan Implementation Schedule (MPIS)	Submit Monitoring Reports	Within sixty (60) days of receipt of analysis from the laboratory
14	Monitoring Plan Implementation Schedule (MPIS)	Submit a ground water elevation contour map for each monitored aquifer zone	Semi-annually
14	Monitoring Plan Implementation Schedule (MPIS)	Submit a Biennial Technical Report	Every two years; the first report is due 30 days after the submittal of the monitoring data for the fourth ground water sampling event; subsequent reports are due 30 days after the submittal of the fourth sampling event following the previous biennial report
15	Construction Quality Assurance (CQA)	Follow the CQA Plan when installing and testing the liner system and related components	During liner construction
16	Liner Installation-Summary Report	Submit a Liner Installation-Summary Report, and include with the Certification in SC-23	Upon completion of liner installation work
19	Liner Installation-Department Notification	Notify the Department	At least 10 days prior to the commencement of liner installation work in any cell

22	Construction Permit Renewal (Permit expires on 01/11/2012)	Notify the Department, in writing, if construction cannot be completed before the expiration of this permit, and apply for renewal of the construction permit	At least 60 days prior to the expiration date of the construction permit (before 11/12/2011)
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APPENDIX B

DEP Permit #SC49-0199726-004

DEP Permit #SC49-0199726-005

Specific Condition	Requirement	Action	Due date
23	Certification	Submit a Certification of Construction Completion certified by the Engineer of Record, then contact the Department to arrange for Department representatives to inspect the facility with the permittee, the engineer, and the proposed on-site facility operator.	After all significant initial construction has been completed, and prior to acceptance of any solid waste
27	Solid Waste Burning	Report to the Department fires at the facility	In accordance with the operation plan.
27	Solid Waste Burning	Submit a letter explaining the cause, remedial action, and measures to prevent recurrence of a fire incident	Within five (5) days of fire incident.
34	Leachate Collection Pipes	Clean the leachate collection pipes	Every five years
34	Leachate Collection Pipes	Clean and video-inspect the leachate collection system	More frequently than once every five years if leachate collection system fails to perform as designed
38	Control of Nuisance Conditions	Prepare and submit a written report on each warranted complaint describing the action to resolve the complaint	Within 10 days of receiving the complaint

APPENDIX B
DEP Permit #SC49-0199726-004
DEP Permit #SC49-0199726-005

Specific Condition	Requirement	Action	Due date
43	Initial Cover and Intermediate Cover	Apply initial cover on the working face	At the end of each working day, unless solid waste will be placed on it within 18 hours
43	Initial Cover and Intermediate Cover	Apply intermediate cover	Within seven (7) days of cell completion if final cover or additional lift is not to be applied within 180 days of cell completion
50	Gas Monitoring	Submit Gas Monitoring Reports	Quarterly; within 30 days of receipt of data
53	Waste Report	Submit a waste report	Quarterly
55	Permit Deviations	Notify the Department of any substantial changes or revisions to the operation	Prior to executing any substantial changes or revisions to the operation
56	Operation Permit Renewal (Permit expires on 01/11/2012)	Submit an operation permit renewal application	At least 60 days prior to the expiration date of this permit (before 11/12/2011)
57	Closure Permit Requirements	Submit a closure permit application	At least 90 days prior to the date when wastes will no longer be accepted at the landfill
59	Financial Assurance, Phase 1 and Phase 2, Cell 5	Update the financial assurance mechanism	At least 60 days prior to accepting waste in Phase 2, Cell 5
60	Phased Financial Assurance - Cell 6	Apply for and receive a minor permit modification	Before solid waste is placed in Cell 6 for disposal

61	Financial Responsibility	Submit proof that the financial mechanisms are established and funded	Sixty (60) days prior to the acceptance of any solid waste at the facility
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APPENDIX B

DEP Permit #SC49-0199726-004

DEP Permit #SC49-0199726-005

Specific Condition	Requirement	Action	Due date
62	Annual Cost Estimates and Financial Instrument Adjustments	Adjust the closure and long-term care cost estimates, and the financial assurance mechanism	Submit between January 1 and March 1 of each year, if using an escrow account submit between July 1 and September 1 of each year

EXHIBIT I

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

WACS_FACILITY: 89544

MONITORING PLAN IMPLEMENTATION SCHEDULE (REVISED 09/25/06)

GENERAL

1. The permittee must initiate implementation of this Monitoring Plan within ninety (90) days from the date of permit issuance. [62-701.510(1)(b)&(c), 62-522.600(5), *Florida Administrative Code (F.A.C.)*]
2. The field testing, sample collection and preservation and laboratory testing, including quality control procedures, shall be in accordance with Chapter 62-160 Florida Administrative Code (F.A.C.). Approved methods as published by the Department or as published in Standard Methods, ASTM, or EPA Methods shall be used. [62-701.510(2)(b), F.A.C.]
3. The organization collecting samples at this site must use the Field and Laboratory Standard Operating Procedures (DEP-SOP-001/01) in Chapter 62-160, F.A.C. Sampling personnel must have a copy of the SOP for purging and sampling in the field when sampling and must be knowledgeable of its contents, procedures, and forms. The laboratory designated to conduct the chemical analyses must be certified by the Florida Department of Health Environmental Laboratory Certification Program (DoH ELCP). This Certification must be for the test method and analyte(s) that are reported. [62-160.210(1), 62-160.320(1), F.A.C.]

NOTE: DEP-SOP-001/01 can be accessed at: <http://www.dep.state.fl.us/labs/qa/sops.htm>

4. If, at any time, analyses detect parameters which are significantly above background water quality, or which are at levels above the Department's water quality standards or criteria specified in Chapter 62-520, F.A.C., in the detection wells or at the edge of the Zone of Discharge, the Permittee shall resample the wells within thirty (30) days after the sampling data are received, to confirm the data. Should the permittee choose not to resample, the Department will consider the water quality analysis as representative of current ground water conditions at the facility. If the data are confirmed, or if the permittee chooses not to resample, the permittee shall notify the Department in writing within 14 days of this finding. Upon notification by the Department, the permittee shall initiate evaluation monitoring in accordance with Rule 62-701.510(7) F.A.C. [62-701.510(7)(a), F.A.C.]

GROUND WATER QUALITY MONITORING

5. The sixty-nine (69) ground water monitoring wells designated for water quality testing and water level measurements are listed on **Attachment A** and are shown on **Attachment B**. [62-701.510(3)(d)2 & 3, F.A.C.]

NOTE: Unless otherwise approved by the Department, wells with high turbidities must be remediated or reinstalled to reduce the turbidity value to less than 20 NTU prior to sample collection. Should any ground water sample exhibit dissolved oxygen concentrations greater than 20% of oxygen saturation at the

field measured temperature, the sampled well must be repurged then resampled as soon as an acceptable dissolved oxygen value has been attained unless it can be demonstrated that in situ ground water contains higher levels of dissolved oxygen. All water quality analyses will be performed on unfiltered samples unless approved by the Department.

6. Initial samples collected from ground water monitoring well clusters MW-16, MW-17, MW-18, MW-19, MW-20, MW-21, MW-22 and MW-23 shall be collected before any waste is deposited in Cells 2 and 3. The samples shall be analyzed for the list of Initial Ground Water Parameters on **Attachment D**. [62-701.510(6)(b)2, F.A.C.]
7. Semi-annual samples from the sixty-nine (69) ground water monitoring wells shall be collected in May and November. The samples shall be analyzed for the list of Semi-Annual Ground Water Parameters on **Attachment E**. [62-701.510(1)(a)2, 62-701.510(8)(a), F.A.C.]

Please confer with your consultant and analytical laboratory prior to sampling to ensure the analytical method is capable of achieving detection limits at or below the Ground Water Cleanup Target Levels (GCTLs) in Chapter 62-777, F.A.C. GCTLs are used as screening tools and interim guidelines for ground water minimum criteria until standards are promulgated. [62-701.510(6)(b)1 & 2, 62-701.510(6)(d) & (8)(a) & (d), F.A.C.]

8. Ground water levels in all wells, whether sampled or not, must be measured to the nearest 0.01 foot and reported semiannually unless required more frequently by permit condition. All water level measurements must be made within a one-day period. These measurements must be referenced to the National Geodetic Vertical Datum of 1929 (NGVD). [62-701.510(9)(a), F.A.C.]

SURFACE WATER MONITORING

9. The two (2) surface water sites included in this monitoring plan are SW-3 and SW-4. They are listed on **Attachment A** and shown on **Attachment C**. [62-701.510(4)(c), F.A.C.]
10. Semi-annual samples from the two (2) surface water monitoring sites shall be collected in May and November. The samples shall be analyzed for the list of Semi-Annual Surface Water Parameters on **Attachment F**. [62-701.510(6)(e) & (8)(b), F.A.C.]

Please confer with your consultant and analytical laboratory prior to sampling to ensure the analytical method is capable of achieving detection limits at or below the Surface Water Cleanup Target Levels (SCTLs) in Chapter 62-777, F.A.C. SCTLs are used as screening tools and interim guidelines for ground water minimum criteria until standards are promulgated.

11. Surface water elevations at sampling locations and must be measured to the nearest 0.01 foot on the same day as ground water levels in the wells and reported semiannually unless required more frequently by permit condition. All water level measurements must be made within a one-day period. These measurements must be referenced to NGVD. [62-701.510(9)(a)8, F.A.C.]

LEACHATE QUALITY MONITORING

12. The sites designated for leachate quality testing are L-1, L-2, L-3, L-4, L-5, L-6, L-7, L-8, L-9 and L-10. The site is listed on **Attachment A** and shown on **Attachment B**. [62-701.510(5), F.A.C.]
13. Samples from the leachate monitoring site shall be collected annually in November. The samples shall be analyzed for the list of Annual Leachate Parameters on **Attachment G**. If the annual analysis indicates that a contaminant listed in 40 CFR Part 261.24 exceeds the regulatory level listed therein, the permittee shall initiate monthly sampling and analysis and shall notify the Department in writing. If in any three consecutive months no listed contaminant is found to exceed the regulatory level, the permittee may discontinue the monthly sampling and analysis and return to a routine sampling schedule. [62-701.510(6)(c)1 & 2, F.A.C.]

MONITORING WELL REQUIREMENTS

14. Installation of new monitoring well clusters MW-16, MW-17, MW-18, MW-19, MW-20, MW-21, MW-22 and MW-23 shall commence within ninety (90) days from the date of permit issuance. [62-701.510(1)(b) & (c), 62-522.600(5), F.A.C.]
15. If a monitoring well becomes damaged or inoperable, the Permittee shall notify the Department in writing within seven (7) days. The written report shall describe what problem has occurred and the remedial measures that have been taken to prevent a recurrence. The Department can require the replacement of inoperable monitoring wells. [62-4.070(3), F.A.C.]
16. New or replacement monitoring well design or placement must be approved by the Department. Proposed well construction details based on site-specific borings must be submitted with all supporting data (grain size distribution analyses, in-situ hydraulic conductivity testing, depth to water, etc.) for Department approval prior to well installation. Use of hollow stem auger equipment is recommended. Other drilling methods must be approved by the Department prior to well installation. [62-522.600(3), F.A.C.]
17. All wells shall be clearly and permanently labeled and the well site maintained so that the well is visible at all times. Protective barriers must be installed at all wells that may be subject to damage by heavy equipment or traffic. [62-701.510(3)(d)2, F.A.C.]
18. An abandonment plan for abandoning any well that is unsuitable for ground water monitoring must be approved by the Department prior to abandonment. [62-701.510(3)(d)5, F.A.C.]

REPORTING REQUIREMENTS

GENERAL

19. The Department must be notified in writing at least fourteen (14) days prior to the installation and/or sampling of any monitoring well(s). [62-701.510(9)(a), F.A.C.]
20. One paper copy of **Attachment H**, Monitoring Well Completion Report Form, must be submitted to the Department within thirty (30) days after installation of new monitoring well clusters MW-16, MW-17, MW-18, MW-19, MW-20, MW-21, MW-22 and MW-23. **NOTE:** the top of casing elevation of each well, to an accuracy of 0.01 feet, and the latitude and longitude of each well in degrees, minutes and seconds, to two (2) decimal places, with an accuracy of 15 feet, must be determined and certified by a Florida Licensed Surveyor and Mapper and provided on the form. In addition, as built well construction diagrams and soil boring logs that cover the entire depth of the monitoring well(s) must be submitted to the Department. [62-701.510(3)(d)1, 62-532.410, 62-4.070(3), F.A.C.]
21. A drawing must be submitted within thirty (30) days following monitoring well installation showing the location of all monitoring wells (active and abandoned), water bodies and waste filled areas. The location of features on the drawing must be horizontally and vertically located by standard surveying techniques. The drawing shall include all monitoring well locations, each monitoring well name and identification (WACS) number, the top of casing, pad elevation, permanent benchmark(s) and/or corner monument marker(s) referenced to NGVD with an accuracy of 0.01 feet. The latitude and longitude of each well in degrees, minutes and seconds, to two (2) decimal places, with an accuracy of 15 feet, must be determined and provided on the drawing. The survey shall be conducted and certified by a Florida Licensed Surveyor and Mapper [701.510(1)(c), 62-701.510(3)(d) 1, F.A.C.]
22. A total depth measurement must be made on all wells at time of permit renewal. This measurement is to be reported as total apparent depth below ground surface and should be compared to the original total depth of the well. [62-701.510(1)(c), F.A.C.]

INITIAL, ANNUAL AND SEMI-ANNUAL

23. Required monitoring reports must be submitted to the Department within sixty (60) days of receipt of analysis from the laboratory. There are two options for submitting water quality data, paper or electronic. [62-701.730(4)(b), 62-4.070(3), F.A.C.]

Paper Only Reporting: One (1) copy of the monitoring report shall be submitted at the required time. The report shall include documents as listed in Table 1.

Electronic Laboratory Analysis Reporting: One (1) copy of the paper portion of a monitoring report shall be submitted at the required time along with the disc containing the water quality data as listed in Table 1. The data required on the disc is listed on ftp://ftp.dep.state.fl.us/pub/labs/lds/validator/validator_fields.pdf.

To decrease the need for resubmittal you may evaluate data prior to submittal at
<http://www.floridadep.org/labs/software/index.htm>.

A sample text file may be viewed at
<http://www.floridadep.org/labs/software/docs/sampleddata.txt>

Interpretative documents such as exceedance recommendations and/or contour maps must be certified by a professional licensed in state of Florida whose expertise is related to the document.

Table 1. Reporting Requirements

Documents	Paper report	Electronic Report*
Sampling notification	Paper or electronic	Paper or electronic
Cover letter	Paper	Paper
Summary of exceedences and recommendations	Paper	Paper
Ground water contour maps	Paper	Paper
Survey drawings	Paper	Paper
Lab certification report form (Attachment I)	Paper	Paper
Field data sheets/sampling logs (Attachment J)	Paper	Paper
Chain of custody	Paper	Paper
Water levels –water elevation table	Paper	Paper
Total depth measurements	Paper	Paper
Lab quality control report	Paper	Paper
Lab data sheets	Paper	Not applicable**
DEP parameters report forms	Paper	Not applicable**
Lab data in Excel tab-delimited format compatible with Validator, plus the same spread sheet in pdf form	Not applicable	Electronic

*Electronic Compact disc media readable by a Microsoft Windows computer

**The tab-delimited text file on the disc replaced these documents

24. Water levels in all monitoring wells, whether sampled or not, and all surface water sites must be measured to the nearest 0.01 foot and reported semi-annually unless required more frequently by permit condition. All water level measurements must be made within a one-day period. These measurements should be reported in a table that includes well or surface water point name, date water level measured, measuring point elevation referenced to NGVD, depth to water and calculated water level elevation referenced to NGVD. [62-701.510(9)(a)8, F.A.C.]
25. A ground water elevation contour map for each monitored aquifer zone must be submitted semi-annually to the Department. Ground water elevation contour map(s) should include monitoring well locations, ground water elevation at each monitoring well location referenced to NGVD, a bar scale, ground water contour interval, date of measurement and ground water flow direction. The map(s) must incorporate adjacent and on-site surface water elevations where appropriate. These maps shall be signed and sealed pursuant to Florida Statutes (F.S.) Chapters 471 and 492 which require that documents requiring the practice of professional engineering or professional geology, as described in Chapter 471 or

492, F.S., be signed and sealed by the professional(s) who prepared or approved them. This certification must be made by a licensed professional who is able to demonstrate competence in this subject area. [62-701.510(9)(a)9, F.A.C.]

BIENNIAL

26. One copy of a technical report shall be submitted to the Department every two years, and shall be updated at the time of permit renewal. The first report is due 30 days after the submittal of the monitoring data for the fourth ground water sampling event. Subsequent reports are due 30 days after the submittal of the fourth sampling event following the previous biennial report. The report shall summarize and interpret the water quality data and water level measurements collected during the past four years. The report shall contain, at a minimum, the following:
- a. Tabular and graphical displays of any data that shows that a monitoring parameter has been detected, including hydrographs for all monitoring wells.
 - b. Trend analyses of any monitoring parameters detected.
 - c. Comparisons among shallow, middle, and deep zone wells.
 - d. Comparison between upgradient and downgradient wells.
 - e. Correlation between related parameters such as total dissolved solids and specific conductance.
 - f. Discussion of erratic and/or poorly correlated data.
 - g. An interpretation of the ground water contour maps, including an evaluation of ground water flow rates.
 - h. An evaluation of the adequacy of the water quality monitoring frequency and sampling locations based upon site conditions.

This report must be signed and sealed pursuant to Florida Statutes (F.S.) Chapters 471 and 492 which require that documents requiring the practice of professional engineering or professional geology, as described in Chapter 471 or 492, F.S., be signed and sealed by the professional(s) who prepared or approved them. This certification must be made by a licensed professional who is able to demonstrate competence in the subject area(s) addressed within the sealed document. [62-701.510(9)(b), F.A.C.]

List of Attachments

Attachment A - Well List

Attachment B – Ground Water Monitoring Wells Map

Attachment C – Surface Water Monitoring Map

Attachment D - Initial Ground Water Parameters

Attachment E - Semi-annual Ground Water Parameters

Attachment F - Semi-annual Surface Water Parameters

Attachment G – Annual Leachate Parameters

Attachment H - Monitoring Well Completion Form

Attachment I - Ground Water Monitoring Report Form

Attachment J - Water Sampling Form

ATTACHMENT A
OAK HAMMOCK DISPOSAL, CLASS I LANDFILL
WACS_FACILITY: 89544
MONITORING SITES

MONITORING SITE_NUM	WACS_ WELL	WELL_ TYPE	ZONE/LOCATION MONITORED	GW/SW CLASS	WACS REPORT TYPE
GROUND WATER					
MW-1A	19900	BG	UPPER SURFICIAL	G-II	SEMGW
MW-1B	19901	BG	INTERMEDIATE SURIFICAL	G-II	SEMGW
MW-1C	19902	BG	DEEP SURFICIAL	G-II	SEMGW
MW-2A	19903	BG	UPPER SURFICIAL	G-II	SEMGW
MW-2B	19904	BG	INTERMEDIATE SURIFICAL	G-II	SEMGW
MW-2C	19905	BG	DEEP SURFICIAL	G-II	SEMGW
MW-3A	19906	BG	UPPER SURFICIAL	G-II	SEMGW
MW-3B	19907	BG	INTERMEDIATE SURIFICAL	G-II	SEMGW
MW-3C	19908	BG	DEEP SURFICIAL	G-II	SEMGW
MW-4A	19909	BG	UPPER SURFICIAL	G-II	SEMGW
MW-4B	19910	BG	INTERMEDIATE SURIFICAL	G-II	SEMGW
MW-4C	19911	BG	DEEP SURFICIAL	G-II	SEMGW
MW-5A	19912	BG	UPPER SURFICIAL	G-II	SEMGW
MW-5B	19913	BG	INTERMEDIATE SURIFICAL	G-II	SEMGW
MW-5C	19914	BG	DEEP SURFICIAL	G-II	SEMGW
MW-6A	19915	BG	UPPER SURFICIAL	G-II	SEMGW
MW-6B	19916	BG	INTERMEDIATE SURIFICAL	G-II	SEMGW
MW-6C	19917	BG	DEEP SURFICIAL	G-II	SEMGW
MW-7A	19918	CO	UPPER SURFICIAL	G-II	SEMGW
MW-7B	19919	CO	INTERMEDIATE SURIFICAL	G-II	SEMGW
MW-7C	19920	CO	DEEP SURFICIAL	G-II	SEMGW
MW-8A	19921	CO	UPPER SURFICIAL	G-II	SEMGW
MW-8B	19922	CO	INTERMEDIATE SURIFICAL	G-II	SEMGW
MW-8C	19923	CO	DEEP SURFICIAL	G-II	SEMGW
MW-9A	19924	CO	UPPER SURFICIAL	G-II	SEMGW
MW-9B	19925	CO	INTERMEDIATE SURIFICAL	G-II	SEMGW
MW-9C	19926	CO	DEEP SURFICIAL	G-II	SEMGW
MW-10A	19927	CO	UPPER SURFICIAL	G-II	SEMGW
MW-10B	19928	CO	INTERMEDIATE SURIFICAL	G-II	SEMGW

ATTACHMENT A
OAK HAMMOCK DISPOSAL, CLASS I LANDFILL
WACS_FACILITY: 89544
MONITORING SITES

MONITORING SITE_NUM	WACS_ WELL	WELL_ TYPE	ZONE/LOCATION MONITORED	GW/SW CLASS	WACS REPORT TYPE
MW-10C	19929	CO	DEEP SURFICIAL	G-II	SEMGW
MW-11A	19930	CO	UPPER SURFICIAL	G-II	SEMGW
MW-11B	19931	CO	INTERMEDIATE SURIFICAL	G-II	SEMGW
MW-11C	19932	CO	DEEP SURFICIAL	G-II	SEMGW
MW-12A	19933	CO	UPPER SURFICIAL	G-II	SEMGW
MW-12B	19934	CO	INTERMEDIATE SURIFICAL	G-II	SEMGW
MW-12C	19935	CO	DEEP SURFICIAL	G-II	SEMGW
MW-13A	19936	CO	UPPER SURFICIAL	G-II	SEMGW
MW-13B	19937	CO	INTERMEDIATE SURIFICAL	G-II	SEMGW
MW-13C	19938	CO	DEEP SURFICIAL	G-II	SEMGW
*MW-14A	19939	CO	UPPER SURFICIAL	G-II	SEMGW
*MW-14B	19940	CO	INTERMEDIATE SURIFICAL	G-II	SEMGW
*MW-14C	19941	CO	DEEP SURFICIAL	G-II	SEMGW
*MW-15A	19942	CO	UPPER SURFICIAL	G-II	SEMGW
*MW-15B	19943	CO	INTERMEDIATE SURIFICAL	G-II	SEMGW
*MW-15C	19944	CO	DEEP SURFICIAL	G-II	SEMGW
MW-16A	22342	CO	UPPER SURFICIAL	G-II	INTGW/SEMGW
MW-16B	22343	CO	INTERMEDIATE SURIFICAL	G-II	INTGW/SEMGW
MW-16C	22344	CO	DEEP SURFICIAL	G-II	INTGW/SEMGW
MW-17A	22345	CO	UPPER SURFICIAL	G-II	INTGW/SEMGW
MW-17B	22346	CO	INTERMEDIATE SURIFICAL	G-II	INTGW/SEMGW
MW-17C	22347	CO	DEEP SURFICIAL	G-II	INTGW/SEMGW
MW-18A	22348	CO	UPPER SURFICIAL	G-II	INTGW/SEMGW
MW-18B	22349	CO	INTERMEDIATE SURIFICAL	G-II	INTGW/SEMGW
MW-18C	22350	CO	DEEP SURFICIAL	G-II	INTGW/SEMGW
MW-19A	22351	CO	UPPER SURFICIAL	G-II	INTGW/SEMGW
MW-19B	22352	CO	INTERMEDIATE SURIFICAL	G-II	INTGW/SEMGW
MW-19C	22353	CO	DEEP SURFICIAL	G-II	INTGW/SEMGW
MW-20A	22354	CO	UPPER SURFICIAL	G-II	INTGW/SEMGW
MW-20B	22355	CO	INTERMEDIATE SURIFICAL	G-II	INTGW/SEMGW
MW-20C	22356	CO	DEEP SURFICIAL	G-II	INTGW/SEMGW

ATTACHMENT A
OAK HAMMOCK DISPOSAL, CLASS I LANDFILL
WACS_FACILITY: 89544
MONITORING SITES

MONITORING SITE_NUM	WACS_ WELL	WELL_ TYPE	ZONE/LOCATION MONITORED	GW/SW CLASS	WACS REPORT TYPE
<u>MW-21A</u>	<u>22357</u>	<u>CO</u>	<u>UPPER SURFICIAL</u>	<u>G-II</u>	<u>INTGW/SEMGW</u>
<u>MW-21B</u>	<u>22358</u>	<u>CO</u>	<u>INTERMEDIATE SURIFICAL</u>	<u>G-II</u>	<u>INTGW/SEMGW</u>
<u>MW-21C</u>	<u>22359</u>	<u>CO</u>	<u>DEEP SURFICIAL</u>	<u>G-II</u>	<u>INTGW/SEMGW</u>
<u>MW-22A</u>	<u>22360</u>	<u>BG</u>	<u>UPPER SURFICIAL</u>	<u>G-II</u>	<u>INTGW/SEMGW</u>
<u>MW-22B</u>	<u>22361</u>	<u>BG</u>	<u>INTERMEDIATE SURIFICAL</u>	<u>G-II</u>	<u>INTGW/SEMGW</u>
<u>MW-22C</u>	<u>22362</u>	<u>BG</u>	<u>DEEP SURFICIAL</u>	<u>G-II</u>	<u>INTGW/SEMGW</u>
<u>MW-23A</u>	<u>22363</u>	<u>BG</u>	<u>UPPER SURFICIAL</u>	<u>G-II</u>	<u>INTGW/SEMGW</u>
<u>MW-23B</u>	<u>22364</u>	<u>BG</u>	<u>INTERMEDIATE SURIFICAL</u>	<u>G-II</u>	<u>INTGW/SEMGW</u>
<u>MW-23C</u>	<u>22365</u>	<u>BG</u>	<u>DEEP SURFICIAL</u>	<u>G-II</u>	<u>INTGW/SEMGW</u>

* To be abandoned prior to filling Cells 2 and 3

SURFACE WATER

<u>SW-3</u>	<u>19945</u>	<u>CO</u>	<u>DOWN STREAM ON BULL CREEK</u>	<u>SW-IIIIF</u>	<u>SEMSW</u>
<u>SW-4</u>	<u>19946</u>	<u>BG</u>	<u>UP STREAM NW OF SITE</u>	<u>SW-IIIIF</u>	<u>SEMSW</u>

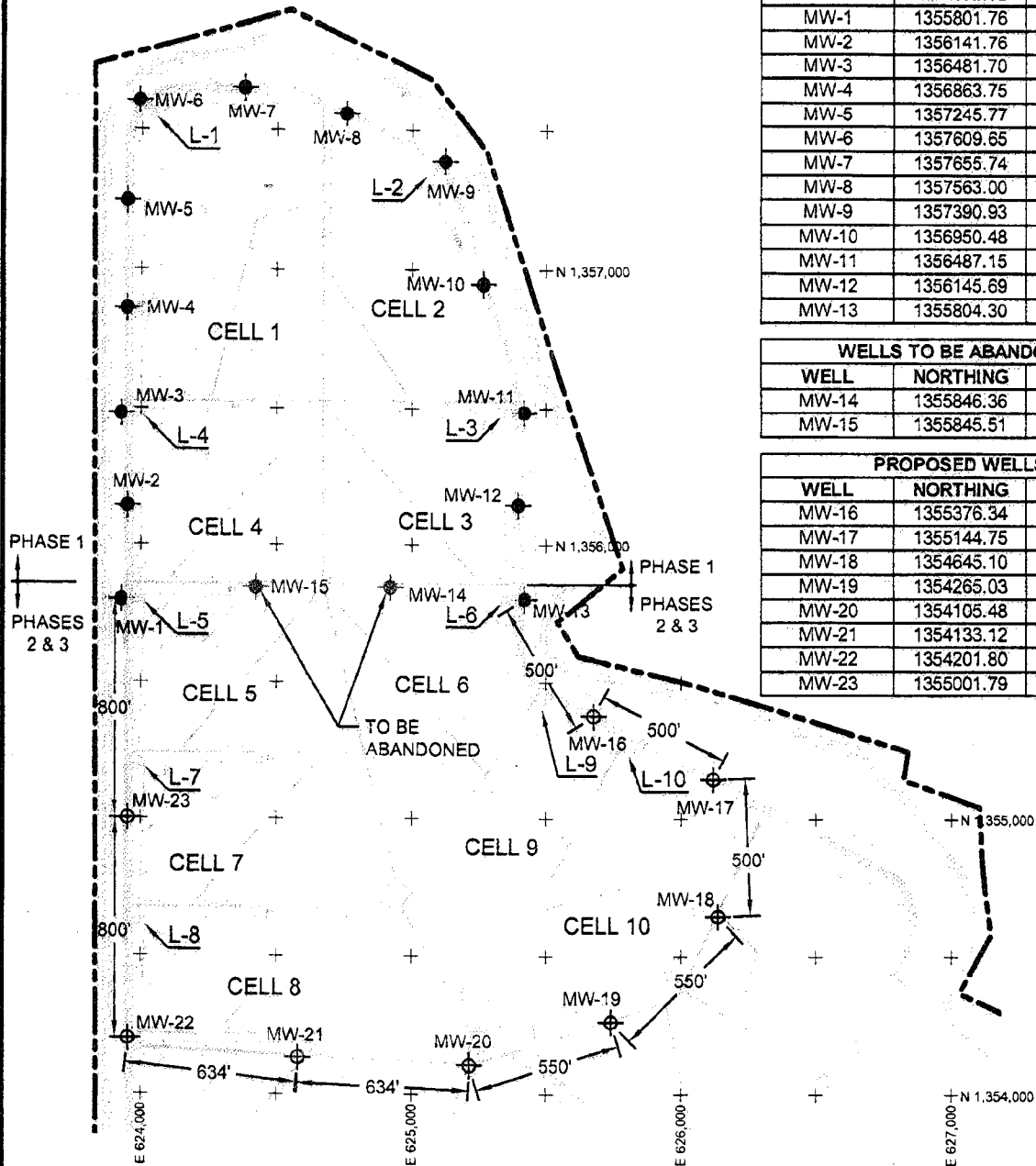
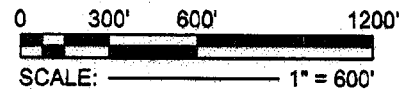
LEACHATE

<u>L-1</u>	<u>19947</u>	<u>CO</u>	<u>CELL 1 PRIMARY RISER</u>	<u>LC</u>	<u>ANNLC</u>
<u>L-2</u>	<u>19948</u>	<u>CO</u>	<u>CELL 2 PRIMARY RISER</u>	<u>LC</u>	<u>ANNLC</u>
<u>L-3</u>	<u>19949</u>	<u>CO</u>	<u>CELL 3 PRIMARY RISER</u>	<u>LC</u>	<u>ANNLC</u>
<u>L-4</u>	<u>19950</u>	<u>CO</u>	<u>CELL 4 PRIMARY RISER</u>	<u>LC</u>	<u>ANNLC</u>
<u>L-5</u>	<u>22369</u>	<u>CO</u>	<u>CELL 5 PRIMARY RISER</u>	<u>LC</u>	<u>ANNLC</u>
<u>L-6</u>	<u>22370</u>	<u>CO</u>	<u>CELL 6 PRIMARY RISER</u>	<u>LC</u>	<u>ANNLC</u>
<u>L-7</u>	<u>22371</u>	<u>CO</u>	<u>CELL 7 PRIMARY RISER</u>	<u>LC</u>	<u>ANNLC</u>
<u>L-8</u>	<u>22372</u>	<u>CO</u>	<u>CELL 8 PRIMARY RISER</u>	<u>LC</u>	<u>ANNLC</u>
<u>L-9</u>	<u>33273</u>	<u>CO</u>	<u>CELL 9 PRIMARY RISER</u>	<u>LC</u>	<u>ANNLC</u>
<u>L-10</u>	<u>22374</u>	<u>CO</u>	<u>CELL 10 PRIMARY RISER</u>	<u>LC</u>	<u>ANNLC</u>

Well Type Codes	(AS) Assessment	(BG) Background	(CO) Compliance	(DE) Detection
(DG) Downgradient	(IM) Intermediate	(IW) Irrigation Well	(OT) Other	(PZ) Piezometer
(SO) Source	(UP) Upgradient	(WS) Water supply		

NOTES:

1. NORTHING AND EASTING COORDINATES SHOWN REPRESENT FLORIDA STATE PLANE EAST ZONE NORTH AMERICAN DATUM OF 1983 (NAD83).
2. THE ELEVATIONS SHOWN REPRESENT NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29) (FEET).



LEGEND

MW-1 EXISTING GROUNDWATER MONITORING WELL LOCATION

MW-16 PROPOSED GROUNDWATER MONITORING WELL LOCATION

(AT EACH LOCATION A GROUP OF THREE WELLS WILL BE DRILLED TO SHALLOW, INTERMEDIATE, AND DEEP ELEVATIONS. THESE WELLS WILL BE SPACED 5 FEET APART AND ARRANGED PARALLEL TO THE PERIMETER MAINTENANCE ROAD OR INTERCELL BERM ALIGNMENTS.)

L-1 LEACHATE SAMPLE LOCATION

(LEACHATE SAMPLES WILL BE OBTAINED FROM THE PRIMARY LEACHATE SUMP OF EACH WELL.)

LAYOUT OF PHASES 1 THROUGH 3 GROUNDWATER MONITORING WELLS AND LEACHATE SAMPLING LOCATIONS



GeoSYNTEC CONSULTANTS

TAMPA, FLORIDA

PROJECT NO. FL0916.02

DATE. 27 SEPT 2006

FILE NO. FL0916.02F002

EXISTING WELLS

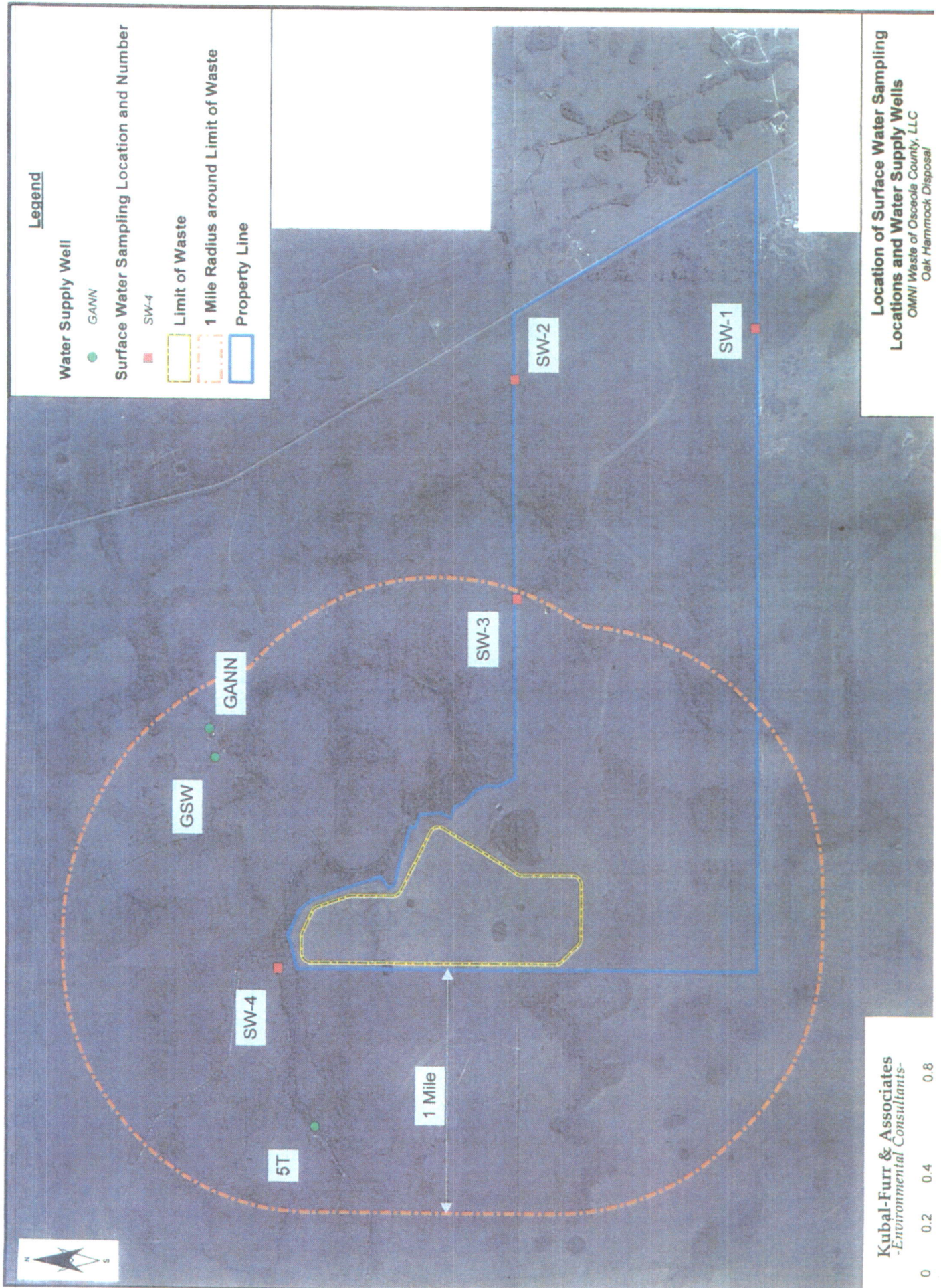
WELL	NORTHING	EASTING
MW-1	1355801.76	623927.76
MW-2	1356141.76	623949.18
MW-3	1356481.70	623926.60
MW-4	1356863.75	623947.95
MW-5	1357245.77	623947.30
MW-6	1357609.65	623992.77
MW-7	1357655.74	624380.68
MW-8	1357563.00	624757.34
MW-9	1357390.93	625122.57
MW-10	1356950.48	625266.36
MW-11	1356487.15	625418.09
MW-12	1356145.69	625396.67
MW-13	1355804.30	625419.26

WELLS TO BE ABANDONED

WELL	NORTHING	EASTING
MW-14	1355846.36	624922.02
MW-15	1355845.51	624424.85

PROPOSED WELLS

WELL	NORTHING	EASTING
MW-16	1355376.34	625677.81
MW-17	1355144.75	626120.94
MW-18	1354645.10	626139.82
MW-19	1354265.03	625742.27
MW-20	1354105.48	625215.92
MW-21	1354133.12	624582.67
MW-22	1354201.80	623952.49
MW-23	1355001.79	623951.12



ATTACHMENT D

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: INTGW

Initial Ground Water Monitoring (Page 1 of 10)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: ____ (AS) Assessment (IW) Irrigation Well

WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
082545	Water Elevation (NGVD)							Ft	
000010	Temperature (field)							deg C	
000299	Dissolved Oxygen (field)							Mg/L	
000406	pH (field)							STD	
000094	Spec. Conductance (field)							Umhos/cm	
082078	Turbidity (field)							NTU	
000610	Total Ammonia as N							Mg/L	
000940	Chlorides							Mg/L	
000720	Cyanide							Ug/L	
000620	Nitrate as N							Mg/L	
000745	Sulfide							Ug/L	
070300	Total Dissolved Solids							Mg/L	
	<u>METALS</u>								
001097	Antimony							Ug/L	
001002	Arsenic							Ug/L	
001007	Barium							Ug/L	
001012	Beryllium							Ug/L	
001027	Cadmium							Ug/L	
001034	Chromium							Ug/L	
001037	Cobalt							Ug/L	
001042	Copper							Ug/L	
001045	Iron							Ug/L	
001051	Lead							Ug/L	
071900	Mercury							Ug/L	

ATTACHMENT D

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: INTGW

Initial Ground Water Monitoring (Page 2 of 10)

WACS_FACILITY 89544

SAMPLING DATE/TIME

WACS_WELL

SAMPLING METHOD

MONITORING_SITE_NUM

PERMITTED: (AS) Assessment (IW) Irrigation Well

WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N)

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
001067	Nickel							Ug/L	
001147	Selenium							Ug/L	
001077	Silver							Ug/L	
000929	Sodium							Mg/L	
001059	Thallium							Ug/L	
001102	Tin							Ug/L	
001087	Vanadium							Ug/L	
001092	Zinc							Ug/L	
	<u>ORGANICS</u>								
034205	Acenaphthene							Ug/L	
034200	Acenaphthylene							Ug/L	
081552	Acetone							Ug/L	
076997	Acetonitrile; Methyl cyanide							Ug/L	
081553	Acetophenone							Ug/L	
073501	2-Acetylaminofluorene; 2-AAF							Ug/L	
034210	Acrolein							Ug/L	
034215	Acrylonitrile							Ug/L	
039330	Aldrin							Ug/L	
078109	Allyl chloride							Ug/L	
077581	4-Aminobiphenyl							Ug/L	
034220	Anthracene							Ug/L	
034030	Benzene							Ug/L	
034526	Benzo(a)anthracene							Ug/L	
034230	Benzo(b)fluoranthene							Ug/L	

ATTACHMENT D

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: INTGW

Initial Ground Water Monitoring (Page 3 of 10)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: ____ (AS) Assessment (IW) Irrigation Well

WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (I/N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
034242	Benzo(k)fluoranthene							Ug/L	
034247	Benzo(a)pyrene							Ug/L	
034521	Benzo(g,h,i)perylene							Ug/L	
077147	Benzyl alcohol							Ug/L	
039337	alpha-BHC							Ug/L	
039338	beta-BHC							Ug/L	
046323	delta-BHC							Ug/L	
039340	gamma-BHC; Lindane							Ug/L	
034273	Bis(2-chloroethyl)ether							Ug/L	
034278	Bis(2-chloroethoxy)methane							Ug/L	
073522	Bis (2-chloro-1-methylethyl) ether							Ug/L	
039100	Bis(2-ethylhexyl)phthalate							Ug/L	
073085	Bromochloromethane							Ug/L	
032101	Bromodichloromethane							Ug/L	
032104	Bromoform							Ug/L	
034413	Bromomethane							Ug/L	
034636	4-Bromophenyl phenyl ether							Ug/L	
034292	Butyl benzyl phthalate							Ug/L	
077041	Carbon Disulfide							Ug/L	
032102	Carbon Tetrachloride							Ug/L	
039350	Chlordane							Ug/L	
073529	p-Chloroaniline							Ug/L	
034301	Chlorobenzene							Ug/L	
039460	Chlorobenzilate							Ug/L	

ATTACHMENT D

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: INTGW

Initial Ground Water Monitoring (Page 4 of 10)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: ____ (AS) Assessment (IW) Irrigation Well

WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
034452	p-chloro-m-cresol							Ug/L	
034311	Chloroethane							Ug/L	
032106	Chloroform							Ug/L	
034418	Chloromethane							Ug/L	
034581	2-Chloronaphthalene							Ug/L	
034586	2-Chlorophenol							Ug/L	
034641	4-Chloropheny phenyl ether							Ug/L	
081520	Chloroprene							Ug/L	
034320	Chrysene							Ug/L	
977148	m&p-Cresol							Ug/L	
077152	o-Cresol							Ug/L	
039730	2,4-D; 2,4-Dichlorophenoxyacetic acid							Ug/L	
039360	4,4-DDD							Ug/L	
039365	4,4-DDE							Ug/L	
039370	4,4-DDT							Ug/L	
073540	Diallate							Ug/L	
034556	Dibenz(a,h)anthracene							Ug/L	
081302	Dibenzofuran							Ug/L	
032105	Dibromochloromethane							Ug/L	
049146	1,2-Dibromo-3-chloropropane							Ug/L	
077651	1,2-Dibromoethane							Ug/L	
039110	Di-n-butylphthalate							Ug/L	
034536	1,2-Dichlorobenzene							Ug/L	

ATTACHMENT D

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: INTGW

Initial Ground Water Monitoring (Page 5 of 10)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: _____ (AS) Assessment (IW) Irrigation Well

WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
034566	1,3-Dichlorobenzene							Ug/L	
034571	1,4-Dichlorobenzene							Ug/L	
034631	3,3-Dichlorobenzidine							Ug/L	
049263	trans-1,4-Dichloro-2-butene							Ug/L	
034668	Dichlorodifluoromethane							Ug/L	
034496	1,1-Dichloroethane							Ug/L	
034531	1,2-Dichloroethane							Ug/L	
034501	1,1-Dichloroethene							Ug/L	
077093	cis-1,2-Dichloroethene							Ug/L	
034546	trans-1,2-Dichloroethene							Ug/L	
034601	2,4-Dichlorophenol							Ug/L	
077541	2,6-Dichlorophenol							Ug/L	
034541	1,2-Dichloropropane							Ug/L	
077173	1,3-Dichloropropane							Ug/L	
077170	2,2-Dichloropropane							Ug/L	
077168	1,1-Dichloropropene							Ug/L	
034704	cis-1,3-Dichloropropene							Ug/L	
034699	trans-1,3-Dichloropropene							Ug/L	
039380	Dieldrin							Ug/L	
034336	Diethyl phthalate							Ug/L	
073553	Thionazin							Ug/L	
046314	Dimethoate							Ug/L	
073558	p-(Dimethylamino)azobenzene							Ug/L	
073559	7,12-Dimethylbenz(a)anthracene							Ug/L	

ATTACHMENT D

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: INTGW

Initial Ground Water Monitoring (Page 6 of 10)WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: ____ (AS) Assessment (IW) Irrigation Well

WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
082213	3,3-Dimethylbenzidine							Ug/L	
034606	2,4-Dimethylphenol							Ug/L	
034341	Dimethyl phthalate							Ug/L	
045622	m-Dinitrobenzene							Ug/L	
034657	2-Methyl-4,6-dinitrophenol							Ug/L	
034616	2,4-Dinitrophenol							Ug/L	
034611	2,4-Dinitrotoluene							Ug/L	
034626	2,6-Dinitrotoluene							Ug/L	
081287	DNBP (Dinoseb)							Ug/L	
034596	Di-n-octyl phthalate							Ug/L	
077579	Diphenylamine							Ug/L	
081888	Disulfoton							Ug/L	
034361	Endosulfan I							Ug/L	
034356	Endosulfan II							Ug/L	
034351	Endosulfan sulfate							Ug/L	
039390	Endrin							Ug/L	
034366	Endrin aldehyde							Ug/L	
034371	Ethylbenzene							Ug/L	
073570	Ethyl methacrylate							Ug/L	
073571	Ethyl methanesulfonate							Ug/L	
038462	Famphur							Ug/L	
034376	Fluoranthene							Ug/L	
034381	Fluorene							Ug/L	
039410	Heptachlor							Ug/L	

ATTACHMENT D

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: INTGW

Initial Ground Water Monitoring (Page 7 of 10)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: ____ (AS) Assessment (IW) Irrigation Well

WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
039420	Heptachlor epoxide							Ug/L	
039700	Hexachlorobenzene							Ug/L	
034391	Hexachlorobutadiene							Ug/L	
034386	Hexachlorocyclopentadiene							Ug/L	
034396	Hexachloroethane							Ug/L	
073576	Hexachloropropene							Ug/L	
034403	Indeno (1,2,3-c,d) pyrene							Ug/L	
077424	Iodomethane							Ug/L	
077033	Isobutyl alcohol							Ug/L	
039430	Isodrin							Ug/L	
034408	Isophorone							Ug/L	
073582	Isosafrole							Ug/L	
081281	Kepone							Ug/L	
081593	Methacrylonitrile							Ug/L	
073589	Methapyriline							Ug/L	
039480	Methoxychlor							Ug/L	
077103	Methyl butyl ketone							Ug/L	
073591	3-Methylcholanthrene							Ug/L	
081595	Methyl ethyl ketone							Ug/L	
081597	Methyl methacrylate							Ug/L	
073595	Methyl methanesulfonate							Ug/L	
077416	2-Methylnaphthalene							Ug/L	
039600	Methyl Parathion							Ug/L	
077596	Methylene Bromide							Ug/L	

ATTACHMENT D

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: INTGW

Initial Ground Water Monitoring (Page 8 of 10)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: _____ (AS) Assessment (IW) Irrigation Well

WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
034423	Methylene Chloride							Ug/L	
081596	Methyl isobutyl ketone							Ug/L	
034696	Naphthalene							Ug/L	
073599	1,4-Naphthoquinone							Ug/L	
073600	1-Naphthylamine							Ug/L	
073601	2-Naphthylamine							Ug/L	
078142	o-Nitroaniline							Ug/L	
078300	m-Nitroaniline							Ug/L	
030342	p-Nitroaniline							Ug/L	
034447	Nitrobenzene							Ug/L	
034591	2-Nitrophenol							Ug/L	
034646	4-Nitrophenol							Ug/L	
073609	N-Nitrosodi-n-butylamine							Ug/L	
073611	N-Nitrosodiethylamine							Ug/L	
034438	N-Nitrosodimethylamine							Ug/L	
034428	N-Nitrosodipropylamine							Ug/L	
034433	N-Nitrosodiphenylamine							Ug/L	
073613	N-Nitrosomethylethylamine							Ug/L	
073619	N-Nitrosopiperidine							Ug/L	
078206	N-Nitrosopyrrolidine							Ug/L	
073622	5-Nitro-o-toluidine							Ug/L	
039540	Parathion							Ug/L	
077793	Pentachlorobenzene							Ug/L	
081316	Pentachloronitrobenzene							Ug/L	

ATTACHMENT D

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: INTGW

Initial Ground Water Monitoring (Page 9 of 10)WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: ____ (AS) Assessment (IW) Irrigation Well

WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (I/N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
039032	Pentachlorophenol							Ug/L	
073626	Phenacetin							Ug/L	
034461	Phenanthrene							Ug/L	
034694	Phenol							Ug/L	
073628	p-Phenylenediamine							Ug/L	
046313	Phorate							Ug/L	
039516	Polychlorinated biphenyls							Ug/L	
039080	Pronamide							Ug/L	
077007	Propionitrile							Ug/L	
034469	Pyrene							Ug/L	
077545	Safrole							Ug/L	
039760	Silvex; 2,4,5-TP							Ug/L	
077128	Styrene							Ug/L	
039740	2,4,5-Trichlorophenoxyacetic acid							Ug/L	
077734	1,2,4,5-Tetrachlorobenzene							Ug/L	
077562	1,1,1,2-Tetrachloroethane							Ug/L	
034516	1,1,2,2-Tetrachloroethane							Ug/L	
034475	Tetrachloroethene							Ug/L	
077770	2,3,4,6-Tetrachlorophenol							Ug/L	
034010	Toluene							Ug/L	
077142	o-Toluidine							Ug/L	
039400	Toxaphene							Ug/L	
034551	1,2,4-Trichlorobenzene							Ug/L	
034506	1,1,1-Trichloroethane							Ug/L	

ATTACHMENT D

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: INTGW

Initial Ground Water Monitoring (Page 10 of 10)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: _____ (AS) Assessment (IW) Irrigation Well

WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
034511	1,1,2-Trichloroethane							Ug/L	
039180	Trichloroethene							Ug/L	
034488	Trichlorofluoromethane							Ug/L	
077687	2,4,5-Trichlorophenol							Ug/L	
034621	2,4,6-Trichlorophenol							Ug/L	
077443	1,2,3-Trichloropropane							Ug/L	
073652	0,0,0-Triethyl phosphorothioate							Ug/L	
073653	sym-Trinitrobenzene							Ug/L	
077057	Vinyl Acetate							Ug/L	
039175	Vinyl Chloride							Ug/L	
034020	Xylenes							Ug/L	

ATTACHMENT E

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: SEMGW

Semi-annual Ground Water Monitoring (Page 1 of 4)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: ____ (AS) Assessment (IW) Irrigation Well

Ground water classification: G-II

WELL TYPE (BG) Background (OT) Other

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
082545	Water Elevation (NGVD)							Ft	
000010	Temperature (field)							deg C	
000299	Dissolved Oxygen (field)							Mg/L	
000406	pH (field)							STD	
000094	Spec. Conductance (field)							Umhos/cm	
082078	Turbidity (field)							NTU	
000610	Total Ammonia as N							Mg/L	
000940	Chlorides							Mg/L	
000620	Nitrate as N							Mg/L	
070300	Total Dissolved Solids							Mg/L	
	<u>METALS</u>								
001097	Antimony							Ug/L	
001002	Arsenic							Ug/L	
001007	Barium							Ug/L	
001012	Beryllium							Ug/L	
001027	Cadmium							Ug/L	
001034	Chromium							Ug/L	
001037	Cobalt							Ug/L	
001042	Copper							Ug/L	
001045	Iron							Ug/L	
001051	Lead							Ug/L	
071900	Mercury							Ug/L	
001067	Nickel							Ug/L	
001147	Selenium							Ug/L	

ATTACHMENT E

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: SEMGW

Semi-annual Ground Water Monitoring (Page 2 of 4)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: _____ (AS) Assessment (IW) Irrigation Well

Ground water classification: G-II

WELL TYPE (BG) Background (OT) Other

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
001077	Silver							Ug/L	
000929	Sodium							Mg/L	
001059	Thallium							Ug/L	
001087	Vanadium							Ug/L	
001092	Zinc							Ug/L	
	<u>ORGANICS</u>								
081552	Acetone							Ug/L	
034215	Acrylonitrile							Ug/L	
034030	Benzene							Ug/L	
073085	Bromochloromethane							Ug/L	
032101	Bromodichloromethane							Ug/L	
032104	Bromoform							Ug/L	
034413	Bromomethane							Ug/L	
077041	Carbon Disulfide							Ug/L	
032102	Carbon Tetrachloride							Ug/L	
034301	Chlorobenzene							Ug/L	
034311	Chloroethane							Ug/L	
032106	Chloroform							Ug/L	
034418	Chloromethane							Ug/L	
032105	Dibromochloromethane							Ug/L	
038437	1,2-Dibromo-3-chloropropane							Ug/L	
077651	1,2-Dibromoethane							Ug/L	
034536	1,2-Dichlorobenzene							Ug/L	
034571	1,4-Dichlorobenzene							Ug/L	

ATTACHMENT E

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: SEMGW

Semi-annual Ground Water Monitoring (Page 3 of 4)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: _____ (AS) Assessment (IW) Irrigation Well

Ground water classification: G-II

WELL TYPE (BG) Background (OT) Other

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

(DG) Downgradient (UP) Upgradient

Well Purged prior to

(IM) Intermediate (WS) Water supply

Sample Collection? (Y/N) _____

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
049263	trans-1,4-Dichloro-2-butene							Ug/L	
034496	1,1-Dichloroethane							Ug/L	
034531	1,2-Dichloroethane							Ug/L	
034501	1,1-Dichloroethene							Ug/L	
077093	cis-1,2-Dichloroethene							Ug/L	
034546	trans-1,2-Dichloroethene							Ug/L	
034541	1,2-Dichloropropane							Ug/L	
034704	cis-1,3-Dichloropropene							Ug/L	
034699	trans-1,3-Dichloropropene							Ug/L	
034371	Ethylbenzene							Ug/L	
077424	Iodomethane							Ug/L	
077103	Methyl butyl ketone							Ug/L	
081595	Methyl ethyl ketone							Ug/L	
077596	Methylene Bromide							Ug/L	
034423	Methylene Chloride							Ug/L	
081596	Methyl isobutyl ketone							Ug/L	
077128	Styrene							Ug/L	
077562	1,1,1,2-Tetrachloroethane							Ug/L	
034516	1,1,2,2-Tetrachloroethane							Ug/L	
034475	Tetrachloroethene							Ug/L	
034010	Toluene							Ug/L	
034506	1,1,1-Trichloroethane							Ug/L	
034511	1,1,2-Trichloroethane							Ug/L	
039180	Trichloroethene							Ug/L	

ATTACHMENT F

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: SEMSW

Semi-annual Surface Water Monitoring (Page 1 of 4)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: _____ (AS) Assessment (IW) Irrigation Well

WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
082545	Water Elevation (NGVD)							Ft	
000010	Temperature (field)							deg C	
000299	Dissolved Oxygen (field)							Mg/L	
000406	pH (field)							STD	
000094	Spec. Conductance (field)							Umhos/cm	
082078	Turbidity (field)							NTU	
000612	Un-ionized Ammonia as N							Mg/L	
000900	Total Hardness as CaCO ₃							Mg/L	
000680	Total Organic Carbon							Mg/L	
070300	Total Dissolved Solids							Mg/L	
000530	Total Suspended Solids							Mg/L	
000310	BOD (5 Day) @ 20 °C							Mg/L	
000340	Chemical Oxygen Demand							Mg/L	
000600	Total Nitrogen as N							Mg/L	
000620	Nitrate as N							Mg/L	
000650	Total Phosphates as PO ₄							Mg/L	
032211	Chlorophyll A							Ug/L	
031616	Fecal coliform							#/100 mL	
	<u>METALS</u>								
001097	Antimony							Ug/L	
001002	Arsenic							Ug/L	
001007	Barium							Ug/L	
001012	Beryllium							Ug/L	
001027	Cadmium							Ug/L	

ATTACHMENT F

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: SEMSW

Semi-annual Surface Water Monitoring (Page 2 of 4)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: _____ (AS) Assessment (IW) Irrigation Well

Ground water classification: G-II

WELL TYPE (BG) Background (OT) Other

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
001034	Chromium							Ug/L	
001037	Cobalt							Ug/L	
001042	Copper							Ug/L	
001045	Iron							Ug/L	
001051	Lead							Ug/L	
071900	Mercury							Ug/L	
001067	Nickel							Ug/L	
001147	Selenium							Ug/L	
001077	Silver							Ug/L	
001059	Thallium							Ug/L	
001087	Vanadium							Ug/L	
001092	Zinc							Ug/L	
	<u>ORGANICS</u>								
081552	Acetone							Ug/L	
034215	Acrylonitrile							Ug/L	
034030	Benzene							Ug/L	
073085	Bromochloromethane							Ug/L	
032101	Bromodichloromethane							Ug/L	
032104	Bromoform							Ug/L	
034413	Bromomethane							Ug/L	
077041	Carbon Disulfide							Ug/L	
032102	Carbon Tetrachloride							Ug/L	
034301	Chlorobenzene							Ug/L	
034311	Chloroethane							Ug/L	

ATTACHMENT F

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: SEMSW

Semi-annual Surface Water Monitoring (Page 3 of 4)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: ____ (AS) Assessment (IW) Irrigation Well

WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
032106	Chloroform							Ug/L	
034418	Chloromethane							Ug/L	
032105	Dibromochloromethane							Ug/L	
038437	1,2-Dibromo-3-chloropropane							Ug/L	
046369	1,2-Dibromoethane							Ug/L	
034536	1,2-Dichlorobenzene							Ug/L	
034571	1,4-Dichlorobenzene							Ug/L	
049263	trans-1,4-Dichloro-2-butene							Ug/L	
034496	1,1-Dichloroethane							Ug/L	
034531	1,2-Dichloroethane							Ug/L	
034501	1,1-Dichloroethene							Ug/L	
077093	cis-1,2-Dichloroethene							Ug/L	
034546	trans-1,2-Dichloroethene							Ug/L	
034541	1,2-Dichloropropane							Ug/L	
034704	cis-1,3-Dichloropropene							Ug/L	
034699	trans-1,3-Dichloropropene							Ug/L	
034371	Ethylbenzene							Ug/L	
077424	Iodomethane							Ug/L	
077103	Methyl butyl ketone							Ug/L	
081595	Methyl ethyl ketone							Ug/L	
077596	Methylene bromide							Ug/L	
034423	Methylene chloride							Ug/L	
081596	Methyl isobutyl ketone							Ug/L	

ATTACHMENT F

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: SEMSW

Semi-annual Surface Water Monitoring (Page 4 of 4)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

PERMITTED: _____ (AS) Assessment (IW) Irrigation Well

WELL TYPE (BG) Background (OT) Other

Ground water classification: G-II

(CO) Compliance (PZ) Piezometer

(DE) Detection (SO) Source

Well Purged prior to

(DG) Downgradient (UP) Upgradient

Sample Collection? (Y/N) _____

(IM) Intermediate (WS) Water supply

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
077128	Styrene							Ug/L	
077562	1,1,1,2-Tetrachloroethane							Ug/L	
034516	1,1,2,2-Tetrachloroethane							Ug/L	
034475	Tetrachloroethene							Ug/L	
034010	Toluene							Ug/L	
034506	1,1,1-Trichloroethane							Ug/L	
034511	1,1,2-Trichloroethane							Ug/L	
039180	Trichloroethene							Ug/L	
034488	Trichlorofluoromethane							Ug/L	
077443	1,2,3-Trichloropropane							Ug/L	
077057	Vinyl Acetate							Ug/L	
039175	Vinyl Chloride							Ug/L	
034020	Xylenes							Ug/L	

ATTACHMENT G

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: ANNLC

Annual Leachate Monitoring (Page 1 of 9)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
000010	Temperature (field)							deg C	
000299	Dissolved Oxygen (field)							Mg/L	
000406	pH (field)							STD	
000094	Spec. Conductance (field)							Umhos/cm	
000610	Total Ammonia as N							Mg/L	
000940	Chlorides							Mg/L	
000620	Nitrate as N							Mg/L	
070300	Total Dissolved Solids							Mg/L	
000440	Bicarbonate							Mg/L	
000720	Cyanide							Ug/L	
000745	Sulfide							Ug/L	
	<u>METALS</u>								
001097	Antimony							Ug/L	
001002	Arsenic							Ug/L	
001007	Barium							Ug/L	
001012	Beryllium							Ug/L	
001027	Cadmium							Ug/L	
001034	Chromium							Ug/L	
001037	Cobalt							Ug/L	
001042	Copper							Ug/L	
001045	Iron							Ug/L	
001051	Lead							Ug/L	
071900	Mercury							Ug/L	
001067	Nickel							Ug/L	
001147	Selenium							Ug/L	
001077	Silver							Ug/L	
000929	Sodium							Mg/L	
001059	Thallium							Ug/L	

ATTACHMENT G

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: ANNLC

Annual Leachate Monitoring (Page 2 of 9)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
001102	Tin							Ug/L	
001087	Vanadium							Ug/L	
001092	Zinc							Ug/L	
	<u>ORGANICS</u>								
034205	Acenaphthene							Ug/L	
034200	Acenaphthylene							Ug/L	
081552	Acetone							Ug/L	
076997	Acetonitrile; Methyl cyanide							Ug/L	
081553	Acetophenone							Ug/L	
073501	2-Acetylaminofluorene; 2-AAF							Ug/L	
034210	Acrolein							Ug/L	
034215	Acrylonitrile							Ug/L	
039330	Aldrin							Ug/L	
078109	Allyl chloride							Ug/L	
077581	4-Aminobiphenyl							Ug/L	
034220	Anthracene							Ug/L	
034030	Benzene							Ug/L	
034526	Benzo(a)anthracene							Ug/L	
034230	Benzo(b)fluoranthene							Ug/L	
034242	Benzo(k)fluoranthene							Ug/L	
034247	Benzo(a)pyrene							Ug/L	
034521	Benzo(g,h,i)perylene							Ug/L	
077147	Benzyl alcohol							Ug/L	
039337	alpha-BHC							Ug/L	
039338	beta-BHC							Ug/L	
046323	delta-BHC							Ug/L	
039340	gamma-BHC; Lindane							Ug/L	
034273	Bis(2-chloroethyl)ether							Ug/L	

ATTACHMENT G

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: ANNLC

Annual Leachate Monitoring (Page 3 of 9)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
034278	Bis(2-chloroethoxy)methane							Ug/L	
073522	Bis (2-chloro-1-methylethyl) ether							Ug/L	
039100	Bis(2-ethylhexyl)phthalate							Ug/L	
073085	Bromochloromethane							Ug/L	
032101	Bromodichloromethane							Ug/L	
032104	Bromoform							Ug/L	
034413	Bromomethane							Ug/L	
034636	4-Bromophenyl phenyl ether							Ug/L	
034292	Butyl benzyl phthalate							Ug/L	
077041	Carbon Disulfide							Ug/L	
032102	Carbon Tetrachloride							Ug/L	
039350	Chlordane							Ug/L	
073529	p-Chloroaniline							Ug/L	
034301	Chlorobenzene							Ug/L	
039460	Chlorobenzilate							Ug/L	
034452	p-chloro-m-cresol							Ug/L	
034311	Chloroethane							Ug/L	
032106	Chloroform							Ug/L	
034418	Chloromethane								
034581	2-Chloronaphthalene							Ug/L	
034586	2-Chlorophenol							Ug/L	
034641	4-Chloropheny phenyl ether							Ug/L	
081520	Chloroprene							Ug/L	
034320	Chrysene							Ug/L	
977148	m&p-Cresols							Ug/L	
077152	o-Cresol							Ug/L	
039730	2,4-D; 2,4-Dichlorophenoxyacetic acid							Ug/L	

ATTACHMENT G

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: ANNLC

Annual Leachate Monitoring (Page 4 of 9)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
039360	4,4-DDD							Ug/L	
039365	4,4-DDE							Ug/L	
039370	4,4-DDT							Ug/L	
073540	Diallate							Ug/L	
034556	Dibenz(a,h)anthracene							Ug/L	
081302	Dibenzofuran							Ug/L	
032105	Dibromochloromethane							Ug/L	
049146	1,2-Dibromo-3-chloropropane							Ug/L	
077651	1,2-Dibromoethane							Ug/L	
039110	Di-n-butylphthalate							Ug/L	
034536	1,2-Dichlorobenzene							Ug/L	
034566	1,3-Dichlorobenzene							Ug/L	
034571	1,4-Dichlorobenzene							Ug/L	
034631	3,3-Dichlorobenzidine							Ug/L	
049263	trans-1,4-Dichloro-2-butene							Ug/L	
034668	Dichlorodifluoromethane							Ug/L	
034496	1,1-Dichloroethane							Ug/L	
034531	1,2-Dichloroethane							Ug/L	
034501	1,1-Dichloroethene							Ug/L	
077093	cis-1,2-Dichloroethene							Ug/L	
034546	trans-1,2-Dichloroethene							Ug/L	
034601	2,4-Dichlorophenol							Ug/L	
077541	2,6-Dichlorophenol							Ug/L	
034541	1,2-Dichloropropane							Ug/L	
077173	1,3-Dichloropropane							Ug/L	
077170	2,2-Dichloropropane							Ug/L	
077168	1,1-Dichloropropene							Ug/L	
034704	cis-1,3-Dichloropropene							Ug/L	

ATTACHMENT G

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: ANNLC

Annual Leachate Monitoring (Page 5 of 9)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
034699	trans-1,3-Dichloropropene							Ug/L	
039380	Dieldrin							Ug/L	
034336	Diethyl phthalate							Ug/L	
073553	Thionazin							Ug/L	
046314	Dimethoate							Ug/L	
073558	p-(Dimethylamino)azobenzene							Ug/L	
073559	7,12-Dimethylbenz(a)anthracene							Ug/L	
082213	3,3-Dimethylbenzidine							Ug/L	
034606	2,4-Dimethylphenol							Ug/L	
034341	Dimethyl phthalate							Ug/L	
045622	m-Dinitrobenzene							Ug/L	
034657	2-Methyl-4,6-dinitrophenol							Ug/L	
034616	2,4-Dinitrophenol							Ug/L	
034611	2,4-Dinitrotoluene							Ug/L	
034626	2,6-Dinitrotoluene							Ug/L	
081287	DNBP (Dinoseb)							Ug/L	
034596	Di-n-octyl phthalate							Ug/L	
077579	Diphenylamine							Ug/L	
081888	Disulfoton							Ug/L	
034361	Endosulfan I							Ug/L	
034356	Endosulfan II							Ug/L	
034351	Endosulfan sulfate							Ug/L	
039390	Endrin							Ug/L	
034366	Endrin aldehyde							Ug/L	
034371	Ethylbenzene							Ug/L	
073570	Ethyl methacrylate							Ug/L	
073571	Ethyl methanesulfonate							Ug/L	

ATTACHMENT G

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: ANNLC

Annual Leachate Monitoring (Page 6 of 9)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
038462	Famphur							Ug/L	
034376	Fluoranthene							Ug/L	
034381	Fluorene							Ug/L	
039410	Heptachlor							Ug/L	
039420	Heptachlor epoxide							Ug/L	
039700	Hexachlorobenzene							Ug/L	
034391	Hexachlorobutadiene							Ug/L	
034386	Hexachlorocyclopentadiene							Ug/L	
034396	Hexachloroethane							Ug/L	
073576	Hexachloropropene							Ug/L	
034403	Indeno (1,2,3-c,d) pyrene							Ug/L	
077424	Iodomethane							Ug/L	
077033	Isobutyl alcohol							Ug/L	
039430	Isodrin							Ug/L	
034408	Isophorone							Ug/L	
073582	Isosafrole							Ug/L	
081281	Kepone							Ug/L	
081593	Methacrylonitrile							Ug/L	
073589	Methapyrilene							Ug/L	
039480	Methoxychlor							Ug/L	
077103	Methyl butyl ketone							Ug/L	
073591	3-Methylcholanthrene							Ug/L	
081595	Methyl ethyl ketone							Ug/L	
081597	Methyl methacrylate							Ug/L	
073595	Methyl methanesulfonate							Ug/L	
077416	2-Methylnaphthalene							Ug/L	
039600	Methyl Parathion							Ug/L	
077596	Methylene Bromide							Ug/L	

ATTACHMENT G

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: ANNLC

Annual Leachate Monitoring (Page 7 of 9)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
034423	Methylene Chloride							Ug/L	
081596	Methyl isobutyl ketone							Ug/L	
034696	Naphthalene							Ug/L	
073599	1,4-Naphthoquinone							Ug/L	
073600	1-Naphthylamine							Ug/L	
073601	2-Naphthylamine							Ug/L	
078142	o-Nitroaniline							Ug/L	
078300	m-Nitroaniline							Ug/L	
030342	p-Nitroaniline							Ug/L	
034447	Nitrobenzene							Ug/L	
034591	2-Nitrophenol							Ug/L	
034646	4-Nitrophenol							Ug/L	
073609	N-Nitrosodi-n-butylamine							Ug/L	
073611	N-Nitrosodiethylamine							Ug/L	
034438	N-Nitrosodimethylamine							Ug/L	
034428	N-Nitrosodipropylamine							Ug/L	
034433	N-Nitrosodiphenylamine							Ug/L	
073613	N-Nitrosomethylethylamine							Ug/L	
073619	N-Nitrosopiperidine							Ug/L	
078206	N-Nitrosopyrrolidine							Ug/L	
073622	5-Nitro-o-toluidine							Ug/L	
039540	Parathion							Ug/L	
077793	Pentachlorobenzene							Ug/L	
081316	Pentachloronitrobenzene							Ug/L	
039032	Pentachlorophenol							Ug/L	
073626	Phenacetin							Ug/L	
034461	Phenanthrene							Ug/L	

ATTACHMENT G

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

PARAMETER MONITORING REPORT

Rule 62-701.510(8)(c)&(d)

WACS Report Type: ANNLC

Annual Leachate Monitoring (Page 8 of 9)

WACS_FACILITY 89544

SAMPLING DATE/TIME _____

WACS_WELL _____

SAMPLING METHOD _____

MONITORING_SITE_NUM _____

STORET CODE	PARAMETER MONITORED	ANALYSIS DATE	FIELD FILTERED (N)	PRESERV. INTACT (Y/n)	ANALYSIS METHOD	ANALYSIS RESULT	DETECTION LIMIT	UNITS	QUALIFIER
034694	Phenol							Ug/L	
073628	p-Phenylenediamine							Ug/L	
046313	Phorate							Ug/L	
039516	Polychlorinated biphenyls							Ug/L	
039080	Pronamide							Ug/L	
077007	Propionitrile							Ug/L	
034469	Pyrene							Ug/L	
077545	Safrole							Ug/L	
039760	Silvex; 2,4,5-TP							Ug/L	
077128	Styrene							Ug/L	
039740	2,4,5-Trichlorophenoxyacetic acid							Ug/L	
077734	1,2,4,5-Tetrachlorobenzene							Ug/L	
077562	1,1,1,2-Tetrachloroethane							Ug/L	
034516	1,1,2,2-Tetrachloroethane							Ug/L	
034475	Tetrachloroethene							Ug/L	
077770	2,3,4,6-Tetrachlorophenol							Ug/L	
034010	Toluene							Ug/L	
077142	o-Toluidine							Ug/L	
039400	Toxaphene							Ug/L	
034551	1,2,4-Trichlorobenzene							Ug/L	
034506	1,1,1-Trichloroethane							Ug/L	
034511	1,1,2-Trichloroethane							Ug/L	
039180	Trichloroethene							Ug/L	
034488	Trichlorofluoromethane							Ug/L	
077687	2,4,5-Trichlorophenol							Ug/L	
034621	2,4,6-Trichlorophenol							Ug/L	
077443	1,2,3-Trichloropropane							Ug/L	
073652	0,0,0-Triethyl phosphorothioate							Ug/L	

OAK HAMMOCK DISPOSAL, CLASS I LANDFILL

Rule 62-701.510(8)(c)&(d)

Annual Leachate Monitoring (Page 9 of 9)

SAMPLING DATE/TIME _____

SAMPLING METHOD

MONITORING_SITE_NUM _____

[illegible]

ATTACHMENT H

Florida Department of Environmental Protection

3319 Maguire Boulevard, Suite 232, Orlando, Florida 32803-3767

MONITORING WELL COMPLETION REPORT

DATE _____

FACILITY NAME: Oak Hammock Disposal, Class I LandfillDER PERMIT NO.: _____ WACS_FACILITY: 89544

WACS_WELL: _____ MONITORING_SITE_NUM: _____

WELL_TYPE: ☐ (AS) Assessment ☐ (BG) Background ☐ (CO) Compliance ☐ (DE) Detection
☐ (DG) Downgradient ☐ (IM) Intermediate ☐ (IW) Irrigation Well ☐ (OT) Other
☐ (PZ) Piezometer ☐ (SO) Source ☐ (UP) Upgradient ☐ (WS) Water supply

LATITUDE AND LONGITUDE (seconds to two decimal places): _____

AQUIFER MONITORED: _____

DRILLING METHOD: _____ DATE INSTALLED: _____

INSTALLED BY: _____

BORE HOLE DIAMETER: _____ TOTAL DEPTH: _____ (BLS)

CASING TYPE: _____ CASING DIAMETER: _____ CASING LENGTH: _____

SCREEN TYPE: _____ SCREEN SLOT SIZE: _____ SCREEN LENGTH: _____

SCREEN DIAMETER: _____ SCREEN INTERVAL: _____ TO _____ (BLS)

FILTER PACK TYPE: _____ FILTER PACK GRAIN SIZE: _____

INTERVAL COVERED: _____ TO _____ (BLS)

SEALANT TYPE: _____ SEALANT INTERVAL: _____ TO _____ (BLS)

GROUT TYPE: _____ GROUT INTERVAL: _____ TO _____ (BLS)

TOP OF CASING ELEVATION (NGVD): _____ GROUND SURFACE ELEVATION (NGVD): _____

DESCRIBE WELL DEVELOPMENT: _____

POST DEVELOPMENT WATER LEVEL ELEVATION (NGVD): _____

DATE AND TIME MEASURED: _____

REMARKS: _____

NAME OF PERSON PREPARING REPORT: _____

(Name, Organization, Phone No.)

NOTE ATTACH AS-BUILT MW CONSTRUCTION DIAGRAM AND LITHOLOGIC LOG.
(NGVD) NATIONAL GEODETIC VERTICAL DATUM OF 1929

(BLS) = BELOW LAND SURFACE

ATTACHMENT I

Florida Department of Environmental Protection

3319 Maguire Boulevard, Suite 232, Orlando, Florida 32803-3767

GROUND WATER MONITORING REPORT

Rule 62-522.600(11)

PART I GENERAL INFORMATION

- (1) Facility Name Oak Hammock Disposal, Class I Landfill
Address _____
City _____ Zip _____ County _____
Telephone Number () _____ (2) WACS_Facility 89544
- (3) DEP Permit Number _____
- (4) Authorized Representative's Name Title _____
Address _____
City _____ Zip _____ County _____
Telephone Number () _____
- (5) Type of Discharge _____
- (6) Method of Discharge _____

CERTIFICATION

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

Date

Owner or Authorized Representative's Signature

PART II QUALITY ASSURANCE REQUIREMENTS

Sampling Organization Comp QAP # _____

Analytical Lab Comp QAP #/ HRS Certification _____

Lab Name _____

Address _____

Phone Number () _____

E-mail Address _____

DEP-SOP-001/01
FS 2200 Groundwater Sampling
Form FD 9000-24
GROUNDWATER SAMPLING LOG

FACILITY NAME: Oak Hammock Disposal, Class I Landfill		FACILITY LOCATION:	
MONITORING_SITE_NUM:	WACS_WELL:	DATE:	

PURGING DATA

[illegible]

SAMPLING DATA

[illegible]

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** $\pm 5\%$ **Dissolved Oxygen:** all readings $\leq 20\%$ saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or $\pm 10\%$ (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or $\pm 10\%$ (whichever is greater)

Bradner, James

From: Bradner, James
Sent: Monday, December 18, 2006 3:53 PM
To: DePradine, Gloria-Jean
Subject: Follow-up to September 21, 2006 Inspection Transmittal Letter for the Oak Hammock Landfill

As we discussed, I called Shawn McCash of WSI to request a more detailed list of employees who will need training through September 2007 and the specific training classes they will attend. He agreed to send us the information in the next two weeks.

James N. Bradner, P.E.
Manager, Solid and Hazardous Waste Program
Central District
Department of Environmental Protection
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767
Phone: 407-893-3329
Fax: 407-893-3167
SunCom: 325-3329
Central District Switchboard: 407-894-7555
Email: James.Bradner@floridadep.net
Web Site: www.dep.state.fl.us

Environmental Protection

Memorandum

TO: Deborah Helle, P.G.

FROM: Jim Bradner, P.E.

DATE: NOVEMBER 27, 2006

SUBJECT: County: OSCEOLA
 Permit/000: SC49-0199726-004 & S049-0199726-005
 Facility: OAK HAMMOCK DISPOSAL, CLASS I
 Attachment: ✓

The attached is being sent to you for:

☐ Information only

☒ Review and comments

If review comments are needed, please respond:

☒ By: (Solid Waste deadline is DEC. 12, 2006)

☐ As soon as possible for your schedule.

Comments: _____

CC: G. DEPRADINE

20 November 2006

Mr. James N. Bradner, P.E.
Manager, Solid and Hazardous Waste Program
Florida Department of Environmental Protection, Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

RECEIVED

NOV 21 2006

Central Dist. - DEP

Subject: Response to Request for Additional Information
Permit Application Nos. SC49-0199726-004-004 & SO49-0199726-004-005
Renewal Permit Application (Phases 2 and 3)
Oak Hammock Disposal Facility
Osceola County, Florida

Dear Mr. Bradner:

Transmitted herewith are ^{three}~~four~~ copies of the responses to the first request for additional information (RAI) from the Florida Department of Environmental Protection dated 12 October 2006. GeoSyntec Consultants has prepared the response to the RAI on behalf of Omni Waste of Osceola County, LLC (Omni).

If you, or your staff, have any questions or need additional information, please feel free to contact the undersigned.

Sincerely,



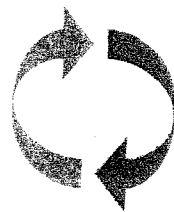
Ayushman Gupta, P.E.
Senior Engineer

Enclosures

Copy to: Shawn McCash, WSI/Omni
Matt Orr, WSI/Omni

FILE COPY

Prepared for



Omni Waste

of Osceola County, LLC

1501 Omni Way
St. Cloud, FL 34773

**RESPONSES TO RAI #1
RENEWAL PERMIT APPLICATION
PHASES 2 AND 3**

OAK HAMMOCK DISPOSAL FACILITY

Prepared by

RECEIVED
NOV 21 2006
Central Dist.-DEP

Geosyntec
consultants

engineers | scientists | innovators
14055 Riveredge Drive, Suite 300
Tampa, FL 33637

Project Number FL0916
November 2006
PDF Doc. #GEAG-06-13F



Department of Environmental Protection

Jeb Bush
Governor

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

David B. Struhs
Secretary

ELECTRONIC MAIL

November 20, 2006

Mr. R. Shawn McCash
(SMcCash@wasteservicesinc.com)
Waste Services, Inc.
1501 Omni Way
Holopaw, Florida 34773

OCD-SW-06-0555

Osceola County SW
Oak Hammock Disposal Facility
Certification of Construction Completion – Cell 3

Dear Mr. Salopek:

This will acknowledge receipt of the *Certification of Construction Completion of a Solid Waste Management Facility*, dated October 30, 2006, by Ayushman Gupta, P.E. of GeoSyntec Consultants, addressing Cell 3.

Based upon my inspection on October 18, 2006, construction of the Cell 3, as certified by the Engineer of Record, has been completed and is substantially consistent with plans and specifications approved under DEP Permit No. SC49-0199726-001. Accordingly, as confirmed in my electronic mail message dated November 1, 2006, solid waste may be placed in Cell 3 for disposal.

Neither this letter nor any prior agreement with the Department relieves you of the responsibility of complying with any applicable ordinances, rules, or laws of any local, county, state, or federal government entity.

Please contact me at 407-893-3329 if you have questions or need further information.

Sincerely,

James N. Bradner, P.E., Manager
Solid and Hazardous Waste Program

/jnb

cc: Matt Orr, Site Supervisor (MOrr@wasteservicesinc.com)
Ayushman Gupta, P.E., GeoSyntec Consultants (agupta@geosyntec.com)
Danny Sheaffer, Osceola County (dshe@osceola.org)

Williams, Elizabeth

From: Bradner, James
Sent: Monday, November 20, 2006 1:49 PM
To: Shawn McCash (SMcCash@wasteservicesinc.com)
Cc: Ayushman Gupta (agupta@geosyntec.com); Danny Sheaffer (dshe@osceola.org); 'MOrr@wasteservicesinc.com'; Williams, Elizabeth
Subject: Certification of Construction Completion Acceptance Letter
Attachments: Oak Hammock Certification Letter 11-20-2006.pdf

Please reply to Elizabeth Williams by email to confirm receipt of this letter.

11/20/2006

Williams, Elizabeth

From: Shawn McCash [SMcCash@wasteservicesinc.com]
Sent: Monday, November 20, 2006 2:01 PM
To: Bradner, James
Cc: agupta@geosyntec.com; dshe@osceola.org; Matt Orr; Williams, Elizabeth
Subject: RE: Certification of Construction Completion Acceptance Letter

Received, thank you.
Regards,

R. Shawn McCash

Sr. Vice President, Landfill Operations & Engineering
Waste Services, Inc.
5002 T-Rex Avenue, Suite 200
Boca Raton, Florida 33431
(561) 237-3414 [Office]
(561) 237-3401 [Fax]
smccash@wsii.us [eMail]

From: Bradner, James [mailto:James.Bradner@dep.state.fl.us]
Sent: Monday, November 20, 2006 1:49 PM
To: Shawn McCash
Cc: agupta@geosyntec.com; dshe@osceola.org; Matt Orr; Williams, Elizabeth
Subject: Certification of Construction Completion Acceptance Letter

Please reply to Elizabeth Williams by email to confirm receipt of this letter.

CONFIDENTIALITY NOTICE: The information transmitted in this email is intended for the addressee and may contain confidential information of Waste Services Inc. or its affiliated corporations. Any unauthorized review, distribution or use or the taking of any action in reliance on the information contained in this email or any attachments is strictly prohibited. If you have received this message in error, please delete or destroy it, all attachments and any copies, and notify the sender.

11/21/2006

Williams, Elizabeth

From: Bradner, James
Sent: Wednesday, November 01, 2006 1:56 PM
To: 'AGupta@GeoSyntec.com'
Cc: Williams, Elizabeth; DePradine, Gloria-Jean; Cheryan, George
Subject: RE: OHDF Cell 3 Certification Report

Good afternoon, Ayushman:

I've just received the certification report for the OHDF, Cell 3. Based upon your representations my site inspection on October 18, your client is authorized to begin solid waste fill operations in Cell 3. Please forward this to Shawn McCash, Matt Orr, and anyone else who needs to be informed, with a "cc" to me. I will follow this message with a formal letter. Call or send a return message if you have questions or need further information.

Thanks,

Jim

James N. Bradner, P.E.
Manager, Solid and Hazardous Waste Program
Central District
Department of Environmental Protection
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767
Phone: 407-893-3329
Fax: 407-893-3167
SunCom: 325-3329
Central District Switchboard: 407-894-7555
Email: James.Bradner@floridadep.net
Web Site: www.dep.state.fl.us

From: AGupta@GeoSyntec.com [mailto:AGupta@GeoSyntec.com]
Sent: Tuesday, October 31, 2006 4:05 PM
To: Bradner, James
Subject: OHDF Cell 3 Certification Report

Hi Jim,

I am writing to let you know that the certification report for Oak Hammock Disposal Facility Cell 3 construction is being fedexed today for tomorrow delivery. Please let me know if you have any questions or comments on the report. I'll be happy to address them. Thanks for your cooperation on the project.

Ayushman Gupta, P.E.

GeoSyntec Consultants
14055 Riveredge Drive, Suite 300
Tampa, FL - 33637
Tel: 813-558-0990 Ext. 235
Fax: 813-558-9726
Visit us at: www.geosyntec.com

11/1/2006

Williams, Elizabeth

From: AGupta@GeoSyntec.com
Sent: Monday, October 16, 2006 9:21 AM
To: Williams, Elizabeth; smccash@wasteservices.com
Cc: Bradner, James
Subject: RE: Oak Hammock Disposal, Class I rai ltr 0492

This is to acknowledge the receipt of the RAI #1 related to the Renewal Permit Application for the OHD facility.

Ayushman Gupta, P.E.

GeoSyntec Consultants

14055 Riveredge Drive, Suite 300
Tampa, FL - 33637
Tel: 813-558-0990 Ext. 235
Fax: 813-558-9726
Visit us at: www.geosyntec.com

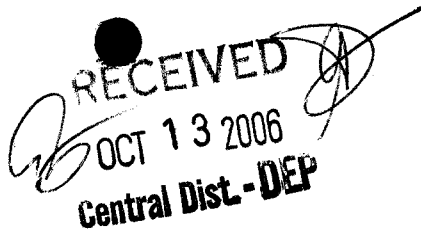
From: Williams, Elizabeth [mailto:Elizabeth.Williams@dep.state.fl.us]
Sent: Thursday, October 12, 2006 7:24 AM
To: smccash@wasteservices.com
Cc: Ayushman Gupta
Subject: Oak Hammock Disposal, Class I rai ltr 0492

Adobe Acrobat Reader 7.0 can be downloaded for free at the following Internet site:
<http://www.adobe.com/products/acrobat/readstep.html>

It is imperative that you reply to this e-mail indicating that you received this document. It is important that we track this information.

Elizabeth Williams
elizabeth.williams@dep.state.fl.us
Administrative Secretary - Waste Management
Dept. of Environmental Protection
3319 Maguire Blvd., Ste. 232
Orlando, FL 32803
Telephone 407/893-3328
Suncom 325-3328
FAX 407/893-3124

10/16/2006



The J.E.D. Solid Waste Management Facility

1501 Omni Way

St. Cloud, FL 34773

(407) 891-3720 phone

(407) 891-3730 fax

October 11, 2006

Mr. James Bradner, P.E.
Program Manager Solid/Hazardous Waste
Department of Environmental Protection
3319 Maguire Blvd, Suite 232
Oriando, FL 32803-3767

RE: J.E.D. Solid Waste Disposal Facility
(Oak Hammock Disposal Facility)
Permit # SO49-0199726-002
1501 Omni Way
St. Cloud, FL 34773

Dear Mr. Bradner:

Attached for your review is the 2006 3rd Quarter Waste Report for the above referenced facility.

If you have any questions or require additional information please do not hesitate to contact me at (407) 891-3720.

Sincerely,

Sharon Stanfill
Office Manager

/ss

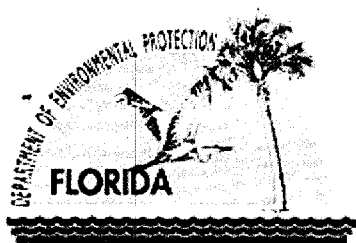
Attachment (1)

cc: Mike Rowley, Operations Manager

Quantity Summary by Material & UOM

Ticket Date In is between 7/1/2006 and 9/30/2006

	Disposal Qty	UOM
Asbestos	20.49	TN
Auto Fluff	24205.60	TN
Construction & Demo	20331.28	TN
Clean Fill	224.39	TN
Contaminated Soil	122607.46	TN
Cert. Weight	2.00	CW
CLASS 3 / ICI WASTE	29100.68	TN
Mun. Solid Waste	136102.42	TN
Sludae	26548.90	TN
Special Waste	29314.66	TN
Car Tire	14.00	EA
Truck Tires	2.00	EA
Truck Tires	6.93	TN
White Goods	20.00	EA
Yard Waste	3.71	TN



Department of Environmental Protection

Jeb Bush
Governor

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Colleen Castille
Secretary

By E-Mail
smccash@wasteservices.com

Mr. Shawn McCash
Omni Waste of Osceola County, LLC
1501 Omni Way
St. Cloud, FL 34473

OCD-SW-06-0492

Osceola County – SW
Oak Hammock Disposal, Class I
Permit Application Nos. SC49-0199726-004 & SO49-0199726-005

Dear Mr. McCash:

Your application for permit received on September 12, 2006, is incomplete. Please provide the information listed on the attached sheet promptly. Evaluation of your application will be delayed until all the requested information has been received.

Pursuant to Section 120.60(2), Florida Statutes, the Department may deny an application, if the applicant, after receiving timely notice, fails to correct errors and omissions, or supply additional information within a reasonable period of time. Accordingly, please provide the additional information within 30 days of the date you receive this letter. Submit three copies of the requested information to the Department and reference the above permit application number in your correspondence.

If you have any questions, please contact me at (407) 893-3328.

Sincerely,

James N. Bradner, P.E., Manager
Solid and Hazardous Waste Program

Date: October 12, 2006

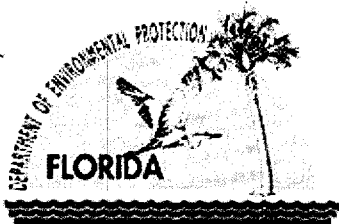
JNB/gc/ew

Enclosures

cc: Ayushman Gupta, P.E. – Geosyntec Consultants agupta@geosyntec.com

Note that all references to "Report" in the following text refer to the document entitled, "Renewal Permit Application to Construct and Operate Phases 2 and 3 Of The Oak Hammock Disposal Facility," Prepared by: Geosyntec Consultants, Tampa, Florida 33637 dated September 2006.

1. The applicant must notify the local government having jurisdiction over the facility of the filing of the permit application before or on the same day of filing the application with the Department. Submit proof to the Department that the local government was notified.
2. An updated operation plan and biennial report are required. Both are referenced in Department correspondence OCD-SW-06-0475, dated September 21, 2006, a copy of which is attached. Submit the biennial report and revised operation plan as part of the response to this letter.
3. Submit the name and address of the wastewater treatment plant and the name and phone number of the contact person at the wastewater treatment plant where leachate from the landfill will be transported and treated.
4. The Financial Assurance Cost Estimate in Appendix R of the report has been approved and forwarded to the Financial Coordinator at the address shown below. A financial mechanism must be funded for Phases I, II and III, in the amount of the sum of the total closure and long-term care costs specified in the approved cost estimate and accepted by the Department's Financial Coordinator before this application can be deemed complete. Financial responsibility arrangements for the facility for the approved amounts are to be made with the Financial Coordinator, Solid Waste Section, MS-4565, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, and a **copy of the approval letter submitted to:** Department of Environmental Protection, Central District, Solid Waste Section, 3319 Maguire Boulevard, Suite 232, Orlando, Florida 32803-3767.



Department of Environmental Protection

Jeb Bush
Governor

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Colleen Castille
Secretary

By Electronic Mail:
morr@wasteservicesinc.com

Mr. Matthew Orr
Omni Waste of Osceola County, LLC
1501 Omni Way
St. Cloud, FL 34773

OCD-SW-06-0475

Osceola County - SW
Oak Hammock Landfill (J.E.D.) - Class I
Permit # SO49-0197726-002
Routine Inspection/Complaint Investigation

Dear Mr. Orr:

On July 20, 2006, representatives of the Florida Department of Environmental Protection conducted an inspection at the facility. A private citizen had complained that while disposing of solid waste at the facility he was punctured with a hypodermic needle. This inspection will also be considered as the routine quarterly inspection. A copy of the inspection report is attached. Additional comments are as follows:

The Department personnel did not observe any biomedical waste during the inspection. They were informed that the facility routinely accepts treated biomedical waste from Medico Environmental Services which operates an autoclave system for the treatment of biomedical waste. Subsequent to the inspection, copies of the treatment procedure and the charts for June 16, 2006 treatment were received by the Department on July 22, 2006.

The west side of the inactive portion of the landfill cell was eroded in several areas. However, sod was being applied at the time of the inspection. The erosion appeared to have occurred more than seven days. Please note, according to Rule 62-701.500(7) (j), Florida Administrative Code (F.A.C.), indicates that corrective measures to repair erosion must be implemented within three days of occurrence. If the erosion cannot be corrected within seven days of occurrence the landfill operator must notify the Department and propose a correction schedule.

The Department's records indicate that a biennial report is due at this time.

We reviewed the Operation Plan on file with the Department, and propose the following updates. The updated operation plan also will satisfy the requirements of the permit renewal application received on September 12, 2006.

1. Section 2.1.2: Employee Training

The training plan on Page 3 must be updated. This section indicates that that landfill employees would receive initial training and that various phases of training will be conducted by a trained landfill operator, spotter etc.

The training plan must include:

- A list of trained spotters and operators and a tentative schedule of classes to be taken by each employee within the next three years. (Submittal of copies of a list and schedules of classes from TREEO is not acceptable).
- A mechanism for providing proof of training.
- Acknowledgement that all training courses, whether public or in-house, shall be approved by the Department in accordance with Section 403.716, F.S., and that a third party must administer any examination required by this subsection for an in-house operator training program.

*note: report
also attached*

2. Section 2.2.3/6.4: Public Use/Site User Rules

Where do the private vehicles unload? Is there a designated area for the public ("mom and pop") to unload? If yes, include this information in the plan. If the area is established each workday, then the Plan should describe how the decision is made to designate the area, such as how far it is located from the commercial unloading area. How large should the working face be in the public unloading area?

3. Section 5.7: Inclement Weather

Update this section to include a detailed severe weather preparedness plan that describes contingency operations in the event of a severe storm or hurricane. Specifically address procedures to be followed during the 48-24 hours prior to expected arrival of a hurricane and after the hurricane.

- 4. Section 5.8: Problems affecting the Leachate Collection and Removal System:** Page 33-34, does not address procedures for the management of leachate in the ponds during heavy rainfall events such as tropical storm or hurricanes. Address all necessary precautions that would be taken if the ponds do overflow. You could describe, based on engineering calculations, rain events (for example, rainfall greater than 3 inches in a 24 hour period) that would necessitate special actions.

5. Section 7: Final Closure/Closed Landfill (Cells) Inspections:

How often would the final cover be inspected for integrity of the cap, differential settlement, ponding, erosion, and condition of vegetation? If problems are found, how will repairs be initiated? Describe the procedures for inspection of the closed cells.

The following items were not addressed but must be included in the Plan:

6. Erosion control

Rule 62-701.500(7)(j), Florida Administrative Code indicates that corrective action to repair erosion must be implemented within three days of occurrence. If it cannot be corrected the Department must be notified within seven days of the occurrence with a proposed correction schedule. Add this condition to the Plan.

7. Gas monitoring

Gas monitoring is not addressed in the current Plan. Include Section 5 "Landfill Gas Management" as part of the Plan that was submitted with the renewal permit application.

8. Records Submittal

The FDEP addresses (email or street) should be included. All reports including waste quantity should be addressed to James Bradner, by email at James.Bradner@dep.state.fl.us or by mail to FDEP – Central District, Solid Waste Program, 3319 Maguire Blvd, Suite 232, Orlando, FL 32803.

- 9. List of Emergency Contacts** must include FDEP contact.

- 10. Include an updated site plan** depicting actual areas of disposal and ancillary operations.

Please contact Gloria-Jean De Pradine by telephone at (407) 893-3994 or by e-mail at or gloria.depradine@dep.state.fl.us if you have any questions or need additional information.

Sincerely,



F. Thomas Lubozynski, P.E.
Waste Program Administrator

Date: September 21, 2006

fill

Memorandum

**Florida Department Of
Environmental Protection**

CENTRAL DISTRICT

TO: Financial Coordinator
Solid Waste Section
MS-4565
Division of Waste Management

OCD-SW-06-0495

FROM: James N. Bradner, P.E.
Manager, Solid and Hazardous Waste Program

DATE: October 4, 2006

SUBJECT: Osceola County – SW
Oak Hammock Disposal, Class I – Phases 2 and 3
Review of Closure/Long-Term Care Cost Estimates

We have reviewed the attached closure and long-term care cost estimates submitted September 12, 2006, for the subject facility and believe that they are adequate for the site at this time.

Please feel free to contact me if you need any additional information.

JNB/gc/ew

Enclosure

cc: Frank Hornbrook – DEP – Tallahassee – MS-4565

Williams, Elizabeth

From: Bradner, James
Sent: Monday, October 02, 2006 11:53 AM
To: Cheryan, George; Williams, Elizabeth
Subject: FW: Proof of Publication for NOA
Attachments: Proof of Publication.pdf

From: AGupta@GeoSyntec.com [mailto:AGupta@GeoSyntec.com]
Sent: Monday, October 02, 2006 11:44 AM
To: Bradner, James
Cc: SMCash@wasteservicesinc.com
Subject: FW: Proof of Publication for NOA

Sorry, forgot the attachment in my earlier e-mail.

Ayushman Gupta, P.E.

GeoSyntec Consultants

14055 Riveredge Drive, Suite 300
Tampa, FL - 33637
Tel: 813-558-0990 Ext. 235
Fax: 813-558-9726
Visit us at: www.geosyntec.com

From: Ayushman Gupta
Sent: Monday, October 02, 2006 11:42 AM
To: 'Bradner, James'
Cc: 'Shawn McCash'
Subject: Proof of Publication for NOA

Good morning Jim,

The proof of publication for the NOA related to the Renewal Permit Application for Phases 2 and 3 of the Oak Hammock Disposal facility is attached. The NOA was published on 23 September 2006 in the Orlando Sentinel.

We have not yet received the original (for the proof of publication) from the publisher. The PDF attached to this e-mail is from a fax copy of the proof of publication. As soon as we get the original, we will forward it to you.

Regards

Ayushman Gupta, P.E.

GeoSyntec Consultants

14055 Riveredge Drive, Suite 300
Tampa, FL - 33637
Tel: 813-558-0990 Ext. 235
Fax: 813-558-9726
Visit us at: www.geosyntec.com

10/2/2006

Orlando Sentinel

Published Daily

State of Florida } S.S.
COUNTY OF ORANGE

Attn: Vallie

Before the undersigned authority personally appeared RACHAEL WASHINGTON

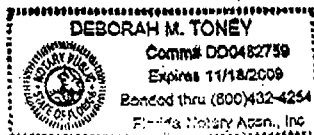
that he/she is the Legal Advertising Representative of Orlando Sentinel, a daily newspaper published at KISSIMMEE in OSCEOLA County, Florida; that the attached copy of advertisement, being a STATE OF FLORIDA in the matter of OMNI WASTE

in the OSCEOLA Court, was published in said newspaper in the issue of 09/23/06

Affiant further says that the said Orlando Sentinel is a newspaper published at KISSIMMEE in said OSCEOLA County, Florida, and that the said newspaper has heretofore been continuously published in said OSCEOLA County, Florida, each Week Day and has been entered as second-class mail matter at the post office in KISSIMMEE in said OSCEOLA County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that he/she has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

The foregoing instrument was acknowledged before me this 28 day of SEPT, 2006, by RACHAEL WASHINGTON who is personally known to me and who did take an oath.

(SEAL)



STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION NOTICE OF APPLICATION

The Department announced receipt of an application for permit from Omni Waste of Osceola County, LLC/Shown McCash, 1501 Omni Way, St. Cloud, FL 34773, to construct/operate Phases 2 and 3, which comprises Cells 5 through 7 and Cells 8 through 10, respectively of the Oak Hammock Disposal Facility, Class I. This proposed project is located west of Highway U.S. 441, approximately 6.5 miles south of Holopaw, in eastern Osceola County, Florida.

This application is being processed and is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department of Environmental Protection, 3319 Maguire Blvd., Suite 232, Orlando, FL 32803-3767, telephone 407/893-3328. Any comments or objections should be filed in writing with the Department of this address. Comments or objections should be submitted as soon as possible to ensure that there is adequate time for them to be considered in the Department decision on the application.
OSC6997113 SEPT. 23, 2006



GEOSYNTEC CONSULTANTS

Oak Hammock file

14055 Riveredge Drive, Suite 300
Tampa, Florida 33637
Tel. 813.558.0990 • Fax 813.558.9726

27 September 2006

Mr. James N. Bradner, P.E.
Manager, Solid and Hazardous Waste Program
Florida Department of Environmental Protection, Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Subject: Response to Request for Information
Renewal Permit Application for Phases 2 and 3
Oak Hammock Disposal Facility
Omni Waste of Osceola County, LLC

Dear Mr. Bradner:

This response is prepared to address the request for information by Ms. Deborah Helle, P.G., during our phone conversation yesterday for clarification regarding the leachate sampling locations in proposed Phases 2 and 3 of the OHD facility. Attached Figure RFI-1 titled "Layout of Phases 1 through 3 Groundwater Monitoring Wells and Leachate Sampling Locations" presents the leachate sampling location in each cell. As noted, leachate shall be sampled from the primary sump riser in each cell. A digital copy (PDF file) of Figure RFI-1 is included along with this letter.

If you or your staff has any questions or comments, please feel free to contact the undersigned.

Sincerely,

Ayushman Gupta, P.E.
Senior Engineer

Attachment

copy: Shawn McCash, WSI





Department of Environmental Protection

Jeb Bush
Governor

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Colleen Castille
Secretary

By E-Mail
blan@osceola.org

Honorable Bill Lane
County Commissioner, District 5
One Court House Square, Suite 4700
Kissimmee, FL 34741

OCD-SW-06-0470

Osceola County – SW
Oak Hammock Disposal, Class I
Notice of Application
Permit Numbers SC49-0199726-004 & SO49-0199726-005

Dear Commissioner Lane:

The Department announces receipt of an application from Omni Waste of Osceola County, LLC/Shawn McCash, 1501 Omni Way, St. Cloud, FL 34773, to construct/operate Phases 2 and 3 of the Oak Hammock Disposal Facility, Class I.

The project is located west of Highway U. S. 441, approximately 6.5 miles south of Holopaw, in eastern Osceola County, Florida.

The application is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department of Environmental Protection, 3319 Maguire Boulevard, Suite 232, Orlando, Florida 32803-3767, telephone 407/893-3328.

Sincerely,

F. Thomas Lubozynski for

Vivian F. Garfein
Director, Central District

Date: September 20, 2006

VFG/gc/ew



Department of Environmental Protection

Jeb Bush
Governor

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Colleen Castille
Secretary

By E-Mail

Haridopolos.mike.web@flsenate.gov

Honorable Mike Haridopolos
State Senator , District 26
404 South Monroe Street
Tallahassee, FL 32399

OCD-SW-06-0469

Osceola County – SW
Oak Hammock Disposal, Class I
Notice of Application
Permit Numbers SC49-0199726-004 & SO49-0199726-005

Dear Senator Haridopolos:

The Department announces receipt of an application from Omni Waste of Osceola County, LLC/Shawn McCash, 1501 Omni Way, St. Cloud, FL 34773, to construct/operate Phases 2 and 3 of the Oak Hammock Disposal Facility, Class I.

The project is located west of Highway U. S. 441, approximately 6.5 miles south of Holopaw, in eastern Osceola County, Florida.

The application is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department of Environmental Protection, 3319 Maguire Boulevard, Suite 232, Orlando, Florida 32803-3767, telephone 407/893-3328.

Sincerely,

F. Thomas Lubozynski for

Vivian F. Garfein
Director, Central District

Date: September 20, 2006

VFG/gc/ew



Department of Environmental Protection

Jeb Bush
Governor

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Colleen Castille
Secretary

By E-Mail

Frank.attkisson@myfloridahouse.gov

Honorable Frank Attkisson
State House Representative, District 79
402 South Monroe Street
Tallahassee, FL 32399

OCD-SW-06-0468

Osceola County – SW
Oak Hammock Disposal, Class I
Notice of Application
Permit Numbers SC49-0199726-004 & SO49-0199726-005

Dear Representative Attkisson:

The Department announces receipt of an application from Omni Waste of Osceola County, LLC/Shawn McCash, 1501 Omni Way, St. Cloud, FL 34773, to construct/operate Phases 2 and 3 of the Oak Hammock Disposal Facility, Class I.

The project is located west of Highway U. S. 441, approximately 6.5 miles south of Holopaw, in eastern Osceola County, Florida.

The application is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department of Environmental Protection, 3319 Maguire Boulevard, Suite 232, Orlando, Florida 32803-3767, telephone 407/893-3328.

Sincerely,

F. Thomas Lubozynski for

Vivian F. Garfein
Director, Central District

Date: September 20, 2006

VFG/gc/ew

Williams, Elizabeth

From: HALLEY.KATHERINE.S26 [HALLEY.KATHERINE.S26@flsenate.gov]
To: Williams, Elizabeth
Sent: Wednesday, September 20, 2006 2:04 PM
Subject: Read: Oak Hammock Landfill Notice of Application ltr. 0469

Your message

To: HALLEY.KATHERINE.S26@flsenate.gov
Subject:

was read on 9/20/2006 2:04 PM.

Williams, Elizabeth

From: HARIDOPOLOS.MIKE.WEB [HARIDOPOLOS.MIKE.WEB@flsenate.gov]
Sent: Wednesday, September 20, 2006 2:03 PM
To: Williams, Elizabeth
Subject: Thank you for contacting me

Thank you for taking the time to contact me by e-mail. Each day I receive several hundred e-mails and I use this automated response to verify receipt of your correspondence.

Although I would like to respond to each and every e-mail personally, it is my responsibility to first serve the constituents of District 26. (**Senate District 26 includes portions of Brevard, Indian River, Osceola, and St. Lucie counties.**) In order to serve you better, it is important to include your name, address, zip code, and phone number on your e-mail.

Should you require additional information or assistance, please contact me at the numbers given below. My staff and I look forward to assisting you.

DISTRICT OFFICE:

(321) 752-3131 or **Toll Free 1-866-896-6885**

2955 Pineda Causeway, Suite 215, Melbourne, FL 32940

Sincerely,

Senator Mike Haridopolos

Williams, Elizabeth

From: AGupta@GeoSyntec.com
Sent: Tuesday, September 19, 2006 3:18 PM
To: Williams, Elizabeth; smccash@wasteservices.com
Subject: RE: Oak Hammock Disposal, Class I Notice of Application

Ms. Williams,

We have received the NOA related to the Renewal Permit Application for the Oak Hammock Disposal Facility. We will get the NOA published ASAP and forward the proof of publication to FDEP. I am replying on behalf of Omni Waste/WSI (the owner of the facility).

Ayushman Gupta, P.E.

GeoSyntec Consultants

14055 Riveredge Drive, Suite 300
Tampa, FL - 33637
Tel: 813-558-0990 Ext. 235
Fax: 813-558-9726
Visit us at: www.geosyntec.com

From: Williams, Elizabeth [mailto:Elizabeth.Williams@dep.state.fl.us]
Sent: Tuesday, September 19, 2006 3:04 PM
To: smccash@wasteservices.com
Cc: Ayushman Gupta
Subject: Oak Hammock Disposal, Class I Notice of Application

Adobe Acrobat Reader 7.0 can be downloaded for free at the following Internet site:
<http://www.adobe.com/products/acrobat/readstep.html>

It is imperative that you reply to this e-mail indicating that you received this document. It is important that we track this information.

Elizabeth Williams
elizabeth.williams@dep.state.fl.us
Administrative Secretary - Waste Management
Dept. of Environmental Protection
3319 Maguire Blvd., Ste. 232
Orlando, FL 32803
Telephone 407/893-3328
Suncom 325-3328
FAX 407/893-3124

9/20/2006



Department of Environmental Protection

Jeb Bush
Governor

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Colleen Castille
Secretary

By E-Mail

smccash@wasteservices.com

Mr. Shawn McCash
Omni Waste of Osceola County, LLC
1501 Omni Way
St. Cloud, FL 34473

OCD-SW-06-0467

Osceola County – SW
Oak Hammock Disposal, Class I
Notice of Application
Permit Application Nos. SC49-0199726-004 & SO49-0199726-005

Dear Mr. McCash:

Under Section 403.815 of the Florida Statutes and Rule 62-701.320(8)(a) of the Florida Administrative Code, you (the applicant) are required to publish at your own expense the enclosed Notice of Application. The notice must be published one time only within 14 days of receipt of this letter, or if your application is not yet complete, within 14 days of submittal of a complete application. The notice must be published in the legal ad section of a newspaper of general circulation in the area affected. For the purpose of this rule, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of section 50.011 and 50.031 of the Florida Statutes in the county where the activity is to take place. Where there is more than one newspaper of general circulation in the county, the newspaper used should be one with significant circulation in the area that may be affected by the permit. If you are uncertain that a newspaper meets these requirements, please contact the undersigned at the address or telephone number listed below.

The applicant must provide proof of publication to the Department, at the Department of Environmental Protection, 3319 Maguire Boulevard, Suite 232, Orlando, FL 32803-3767, telephone (407) 893-3328, within seven days of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit.

Sincerely,

James N. Bradner, P.E., Manager
Solid and Hazardous Waste Program Manager

Date: September 19, 2006

JNB/gc/ew
Enclosure

cc: Ayushman Gupta, P.E. – Geosyntec Consultants agupta@geosyntec.com

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOTICE OF APPLICATION

The Department announces receipt of an application for permit from Omni Waste of Osceola County, LLC/Shawn McCash, 1501 Omni Way, St. Cloud, FL 34773, to construct/operate Phases 2 and 3, which comprises Cells 5 through 7 and Cells 8 through 10, respectively of the Oak Hammock Disposal Facility, Class I. This proposed project is located west of Highway U. S. 441, approximately 6.5 miles south of Holopaw, in eastern Osceola County, Florida.

This application is being processed and is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department of Environmental Protection, 3319 Maguire Blvd., Suite 232, Orlando, FL 32803-3767, telephone 407/893-3328. Any comments or objections should be filed in writing with the Department at this address. Comments or objections should be submitted as soon as possible to ensure that there is adequate time for them to be considered in the Department decision on the application.

Williams, Elizabeth

From: Hornbrook, Frank
To: Williams, Elizabeth
Sent: Thursday, October 05, 2006 7:09 AM
Subject: Read: Oak Hammock Disposal, Class I - Phases 2 and 3 financial memo 0495

Your message

Cc: Hornbrook, Frank
Subject: Oak Hammock Disposal, Class I - Phases 2 and 3 financial memo 0495
Sent: 10/4/2006 10:29 AM

was read on 10/5/2006 7:08 AM.

Florida Department of
Environmental Protection

Memorandum

TO: Deborah Helle, P.G.
FROM: Jim Bradner, P.E.
DATE: SEPTEMBER 14, 2006
SUBJECT: County: OSCEOLA
Permit/ID: SC49-0199726-004 & 5049-0199726-005
Facility: OAK HAMMOCK DISPOSAL, CLASS I
Attachment: ✓

The attached is being sent to you for:

☐ Information only

☒ Review and comments

If review comments are needed, please respond:

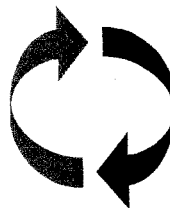
☒ By: (Solid Waste deadline is OCTOBER 3, 2006)

☐ As soon as possible for your schedule.

Comments: _____

cc: G. DePRADINE

Prepared for



Omni Waste

Omni Waste of Osceola County, LLC

1501 Omni Way
St. Cloud, Florida 34773

RECEIVED
SEP 12 2006
Central Dist. - DEP

**RENEWAL PERMIT APPLICATION
TO CONSTRUCT AND OPERATE
PHASES 2 AND 3 OF THE
OAK HAMMOCK DISPOSAL FACILITY**

Prepared by



GeoSyntec Consultants

14055 Riveredge Drive, Suite 300
Tampa, Florida 33637

Project Number FL0916

September 2006

PDF Doc. # GEAG-06-13

Aljupita

11 SEP 2006