



Florida Department of Environmental Protection

Central District

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

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard, Jr.
Secretary

Permit Issued to:

J.E.D. Solid Waste Management Facility

Located at: 1501 Omni Way

St. Cloud, Florida, Osceola County

Telephone No. (407) 891-3720

Facility ID No.: WACS ID # 89544

Authorized Representative:

Mr. Mike Kaiser

Title: Vice President, Omni Waste of Osceola County, LLC (OMNI)

1501 Omni Way

St. Cloud, FL 34773

Solid Waste Operating Permit- Class I Minor Modification

Solid Waste Management Facility

J.E.D. Solid Waste Management Facility - St. Cloud

Modification of Permit No. SO49-0199726-015

(As revised by Permit Application No. SO49-0199726-016)

Permit Issued: 02/24/2011

Renewal Date: 11/12/2011

Permit Expires: 01/11/2012

Permitting Authority

Florida Department of Environmental Protection

Central District Office

3319 Maguire Boulevard, Suite 232

Orlando, FL 32803

Telephone No. (407) 893-3328

102-24-11



Florida Department of Environmental Protection

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

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard, Jr.
Secretary

February 24, 2011

By E-Mail

mkaiser@wasteservicesinc.com

Mr. Mike Kaiser
Omni Waste of Osceola County, LLC (OMNI)
1501 Omni Way
St. Cloud, FL 34773

OCD-SW-11-049

Osceola County - SW WACS # 89544
J.E.D. Solid Waste Management Facility, Class I
Cell 7 Operation - Minor Modification
Permit Application No. SO49-0199726-016
Modification of Permit No. SO49-0199726-015

Dear Mr. Kaiser:

In response to the request submitted on October 5, 2010 by Kirk Wills, P.E., of Environmental Planning Specialists, Inc. (EPS), Wesley Chapel, Florida, Permit No. SO49-0199726-015 is modified to include the operation of Cell 7 with an additional area of approximately 12.0 acres in Phase 2 of the J.E.D. Solid Waste Management Facility, Class I.

The permittee has satisfied the requirements of Specific Condition No. 66 of Permit SC49-0199726-008 (page 15 of 23 in SO49-0199726-015) which includes a Certification of Construction Completion for Cell 7 approved by the Department and a financial assurance mechanism for Cell 7 that meets the requirements of Rule 62-701.630, F.A.C. and has been accepted by the Department.

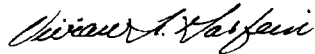
The information submitted, on file at the Central District office, is made part of the subject permit. The documents are listed in Appendix A.

All other conditions of the subject permit remain unchanged.

Mr. Mike Kaiser
Page #2
February 24, 2011

This letter must be attached to Permit No. SO49-0199726-015 and becomes part of that permit. The permit expiration date is not changed; it is January 11, 2012.

Sincerely,



Vivian F. Garfein
Director, Central District

FILING AND ACKNOWLEDGEMENT

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



Feb. 24, 2011

Clerk

Date

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT MODIFICATION and all copies were sent before the close of business on February 24, 2011 to the listed persons.



Clerk

VFG/gc/ew

Enclosure: Appendix A - List of Documents Incorporated into Permit

cc:

Richard Tedder, P.E. - DEP - Tallahassee richard.tedder@dep.state.fl.us

Frank Hornbrook - DEP - Tallahassee frank.hornbrook@dep.state.fl.us

Fred Wick - DEP - Tallahassee fred.wick@dep.state.fl.us

Kirk Wills, P.E. - Environmental Planning Specialist, Inc. (EPS) kwills@envplanning.com

Kenneth W. Cargill, P.E. - Environmental Planning Specialist, Inc. (EPS)

kwcargill@earthlink.net

Appendix A

List of Documents Submitted for Permit Application No. SO49-0199726-016 and Incorporated into the revised Permit SO49-0199726-015

1. Minor Modification Application For Phased Financial Assurance, Cell 7 Construction - J.E.D. Solid Waste Management Facility, Prepared by: Environmental Planning Specialists, Inc., Wesley Chapel, Florida dated September 2010. Received and stamped October 5, 2010, DEP - Central District.
2. Certification Report, Construction of Cell 7, Prepared For: Waste Services, Inc., Prepared By: EPS, Wesley Chapel, Florida, dated September 2010. Received and stamped October 5, 2010, DEP - Central District.
3. Department Review Clarification Letter from DEP - Central District dated November 2, 2010.
4. Revision to Cell 7 Certification Report and Financial Assurance Modification application from EPS, Inc. Wesley Chapel, Florida dated October 28, 2010. Received and stamped November 1, 2010, DEP - Central District.
5. First Request for Additional Information from DEP - Central District dated November 17, 2010.
6. Approval of Certification of Construction Completion - Cell 7 from DEP - Central District dated November 17, 2010.
7. Financial Assurance approval letter from DEP - Tallahassee dated November 30, 2010.
8. Permit Application Completion letter from DEP - Central District dated December 16, 2010.

Williams, Elizabeth

From: Michael Kaiser [mkaiser@wasteservicesinc.com]
Sent: Thursday, February 24, 2011 8:27 PM
To: Williams, Elizabeth
Subject: RE: J.E.D. Permit 049

Receipt acknowledged.

Mike Kaiser

Waste Services, Inc.
1099 Miller Drive
Altamonte Springs, Florida 32701
(904) 673-0446 [Cell]
mkaiser@wsii.us

From: Williams, Elizabeth [<mailto:Elizabeth.Williams@dep.state.fl.us>]
Sent: Thursday, February 24, 2011 8:26 AM
To: Michael Kaiser
Cc: Tedder, Richard; Hornbrook, Frank; Wick, Fred; kwills@envplanning.com; kwcargill@earthlink.net; Lubozynski, Tom; Cheryan, George; Heidorn, Marjorie; DePradine, Gloria-Jean; Levin, Laxsamee
Subject: J.E.D. Permit 049

Attached is an Adobe Acrobat version of the "J.E.D. Solid Waste Management Facility " 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.

Cover Florida, developed by Governor Charlie Crist and the Florida Legislature, gives Floridians access to more affordable health insurance options. To learn more or to sign up for email updates, visit www.CoverFloridaHealthCare.com.

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

Permitting Application - Events		Events Scheduled		5	or	90
Site #	0199726	Site Name	OAK HAMMOCK DISPOSAL FACILITY (CLASS I) (SW)			
Permit #	0199726-016-SO	Type/Subtype	SO	/	MM	Received
Project #	016	Project Name	OAK HAMMOCK DISPOSAL FACILITY			
<div style="float: left; width: 30%;">> Receive Request: Done</div> <div style="clear: both;"></div>						
J.E.D SW MF CLASS I - CELL 7 OPERATION PERMIT APPL N 5049-0199726-016 MINOR MODIF.						
Event	Begin Date	Period	Due Date	Rmn	Status	End Date
Receive Request					Done	
Fee Verification	10/05/2010	2	10/07/2010		Sufficient Fee	10/06/2010
Completeness Review	10/05/2010	30	11/04/2010		Incomplete	10/05/2010
RESET CLOCK	10/05/2010	1	10/06/2010		Done	10/05/2010
Awaiting Additional Information	10/05/2010	45	11/19/2010		Received	11/01/2010
Completeness Review	11/01/2010	30	12/01/2010		Incomplete	11/17/2010
RESET CLOCK	11/17/2010	1	11/18/2010		Done	11/17/2010
Awaiting Additional Information	11/17/2010	45	01/01/2011		Received	11/30/2010
Completeness Review	11/30/2010	30	12/30/2010		Complete	12/16/2010
Determine Agency Action	11/30/2010	90	02/28/2011		Issue	02/24/2011
Issue Final Permit	02/24/2011	14	03/10/2011		Issued	02/24/2011

RED ___ YELLOW ___ GREEN ___ NO PERMIT REQ ___

HISTORY SHEET

SITE/WAFR/AIR#: 49-0199726-016 TYPE: SS SUBTYPE: MM

SITE/WAFR/ATD:
NAME: Oak Hammock Disposal Fac

PROJECT NAME: _____

[illegible]



Florida Department of Environmental Protection

3319 Maguire Boulevard, Suite 232
Orlando, FL 32803

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Mimi A. Drew
Secretary

By E-Mail
mkaiser@wsii.us

Mr. Mike Kaiser
Omni Waste of Osceola County, LLC (Omni)
1501 Omni Way,
St. Cloud, FL 34773

OCD-SW-10-0600

Osceola County – SW WACS # 89544
J.E.D Solid Waste Management Facility, Class I
Modification of GCCS System – Intermediate Modification
Addition of Horizontal Gas Collectors (Cell 7 through 10)
And GCCS/Leachate Sump Connections
Permit No. SO49-0199726-015

Dear Mr. Kaiser:

Enclosed is Permit Number SO49-0199726-015; it is issued under Sections 403.061(14) and 403.707, of the Florida Statutes. Permit Number SO49-0199726-015 authorizes the installation of additional landfill gas collection devices to the existing J.E.D. Facility's landfill gas collection and control system in Cells 7 through 10, and leachate manhole and pipe risers in active and future cells. Permit Number SO49-0199726-015 includes revisions of seven previous specific conditions and adds specific conditions 96 through 99.

Permit Number SO49-0199726-015 is the most recent of a string of modifications to the original permit SC49-0199726-004 and SO49-0199726-005. The specific conditions of all the previous permits and modifications have been consolidated into Permit Number SO49-0199726-015. The permit expiration date remains the same, that is, 01/11/2012.

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: December 22, 2010

FO
10-12-22

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

Dec. 22, 2010

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 December 22, 2010 to the listed persons.

E. Williams

Clerk

VFG/gc/ew

Enclosure: Permit No. SO49-0199726-015

cc: Caroline Shine, Air Program Administrator caroline.shine@dep.state.fl.us
Richard Tedder, P.E. – DEP – Tallahassee richard.tedder@dep.state.fl.us
Frank Hornbrook – DEP – Tallahassee frank.hornbrook@dep.state.fl.us
Kevin S. Brown, P.E. – Golder Associates, kbrown@golder.com
Don Grigg, P.E. – Golder Associates, dgrigg@golder.com



Florida Department of Environmental Protection

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

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Mimi Drew
Secretary

Permit Issued to:

J.E.D. Solid Waste Management Facility
Located at: 1501 Omni Way
St. Cloud, Florida, Osceola County
Telephone No. (407) 891-3720
Facility ID No.: WACS ID # 89544

Authorized Representative: Mr. Mike Kaiser
Title: Vice President, Omni Waste of Osceola County, LLC (Omni)
1501 Omni Way
St. Cloud, FL 34773

Solid Waste Operating Permit Modification of Gas Collection and Control System (GCCS) Intermediate Modification

**J.E.D. Solid Waste Management Facility
Permit No.: SO49-0199726-015
Includes Permit Nos.: 49-0199726-004 through -015**

Permit Issued: 12/22/2010
Permit Renewal Application Due Date: 11/12/2011
Permit Expires: 01/11/2012

Permitting Authority

Florida Department of Environmental Protection
Central District Office
3319 Maguire Boulevard, Suite 232
Orlando, FL 32803
Telephone No. (407) 893-3328



Florida Department of Environmental Protection

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

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Mimi Drew
Secretary

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

WACS Facility: 89455
Permit Number: SO49-0199726-015
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

Attention: Mr. Mike Kaiser

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 drawings, plans, and other documents attached hereto or on file with the Department for permits SC49-0199726-004 through SO49-0199726-015. The activities are described as follows:

- To continue waste disposal operations in J.E.D. Solid Waste Management Facility (JED facility). It was formerly known as the Oak Hammock Disposal Facility.
- The present service area for the landfill is Osceola County, counties surrounding Osceola County, and counties adjoining the surrounding counties. 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.
- Cells 1 through 4 were constructed at JED Facility as part of Phase I development.
- To construct and operate the JED facility, Phases 2 and 3. 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.
- To complete build-out of the JED facility. It includes 21 landfill cells with a footprint of approximately 264 acres within a property boundary of approximately 2,179 acres. The landfill is authorized to an elevation of 330 feet. The anticipated life of the complete facility is 10 to 15 years.
- This permit consolidates the specific conditions from permits SC49-0199726-004 through SO49-0199726-015. Appendix B summarizes which permit issued which specific conditions.

- 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 has been implemented to control odors and migration of methane. This latest permit modification authorizes the installation of additional landfill gas collection devices to the existing J.E.D. Facility's Class I landfill gas collection and control system in Cells 7 through 10, and leachate manhole and pipe risers in active and future cells. Horizontal gas collection wells will be used to actively collect gas within waste mass, control odors, and allow a more timely installation and operation of the gas collection and control system (GCCS).
- The facility has a Title V air permit #0970079-003-AV.
- The project incorporates a ground water and surface water monitoring plan. The current plan is dated 4/2/2009.
- The expiration date remains the same as the original permit: January 11, 2012.

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.

PERMITTEE:
Omni Waste of Osceola County, LLC

WACS Facility: 89455
Permit/Certification Numbers:
SC49-0199726-004 & SO49-0199726-005
Expiration Date: 01/11/2012

Attention: Mr. Mike Kaiser

SPECIFIC CONDITIONS:

Consolidation of Specific Conditions from SC49- 49-0199726-004 through SO49-0199726-015:

From SC49- 49-0199726-004 and SO49-0199726-005: To continue waste disposal operations in Oak Hammock Disposal, Phase 1 (Cells 1-4) and to construct and operate Phase 2 (Cells 5, 6, and 7) and Phase 3 (Cells 8, 9, and 10).

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.

PERMITTEE:
Omni Waste of Osceola County, LLC

WACS Facility: 89455
Permit/Certification Numbers:
SC49-0199726-004 & SO49-0199726-005
Expiration Date: 01/11/2012

Attention: Mr. Mike Kaiser

SPECIFIC CONDITIONS:

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.
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.~~ **(Revised SO49-0199726-012)**
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.

PERMITTEE:
Omni Waste of Osceola County, LLC

WACS Facility: 89455
Permit/Certification Numbers:
SC49-0199726-004 & SO49-0199726-005
Expiration Date: 01/11/2012

Attention: Mr. Mike Kaiser

SPECIFIC CONDITIONS:

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.
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.

NOTE: This permit includes the following construction permits: SC49-0199726-004, -006, and -008. All have the same expiration date as this permit, that is, 1/11/2012)

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. (Revised SO49-0199726-015)~~
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. (Revised SO49-0199726-015)~~

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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.).
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.

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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. (Revised: SO49-0199726-015.)~~
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.
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,

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- 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. **(Note: The gradient for the side slopes was changed in Specific Condition B of SC49-0199726-006 and SO49-0199726-007.)**
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.
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. **(Changed in Specific Condition B of SC49-0199726-006 and SO49-0199726-007.)**
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.

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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. **(Changed in Specific Condition A of SC49-0199726-006 and SO49-0199726-007.)**
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

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. **(Revised SO49-0199726-015.)**

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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. (Revised SO49-0199726-015.)~~
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. (Satisfied; no longer needed.)~~
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. (Revised in SC49- 49-0199726-008; satisfied in SO49-0199726-009.)~~
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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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. (Revised SO49-0199726-015)~~
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. (Revised SO49-0199726-015)~~
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).

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From SC49- 49-0199726-006 and SO49-0199726-007: These permits changed the name of the operator. 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. These modifications 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 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 modifications are described in the Specific Conditions A-M.

- 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.

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- 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.~~ **(Revised SO49-0199726-012)**

From SC49- 49-0199726-008:

- 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. (SC49- 49-0199726-008 revised Specific Condition #60 of Permit Nos. SC49-0199726-004 & SO49-0199726-005. SO49- 49-0199726-009 stated this condition has been satisfied.)~~

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.

From SO49-0199726-009: This permit modified SC49-0199726-008 to include operation of Cell 6. Specific Condition 60 was satisfied. No specific conditions added.

From SO49-0199726-010: This permit modifies previous permits to incorporate waste solidification activities. No numbered specific conditions were added. The permit required the following actions; they are considered to be specific conditions.

- The wastes accepted for solidification at the facility shall be liquid and semi-liquid wastes that are classified as non-hazardous according to the State and Federal regulations. Typical wastes may include pumpings from maintenance and cleaning of septic systems, oil/water separators, drainage inlets, and other types of collection systems. Other wastes may include by-products, and waste waters generated from industrial manufacturing units, drilling fluids, bilge waters, and groundwater/soil contamination remediation activities.

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- The solidification shall be performed using the solid wastes presently accepted for disposal. Solid waste materials used to solidify the liquid and semi liquid wastes will be those types that characteristically have higher moisture absorptive characteristics (i.e., auto shredder fluff, contaminated and clean soils, cement, lime, and ash based wastes, and recovered screen materials (RSM)).
- Waste Solidification operations shall be performed within the lined limits of the Class I disposal area and solidified wastes will be transported and disposed in the active landfilling areas. The GPS coordinates of the solidified waste disposal locations within the Cell footprint shall be recorded. This data shall be maintained at the site and readily available during department inspections.
- The waste solidification operating area shall be clearly designated with visible signs at the site. Additional signs shall be provided for the incoming traffic for directions to the waste solidification area.

From SO49-0199726-011: Authorized partial closure of 24.7 acres of the side slopes of Phase I (Cells 1 through 4)

NOTE: Continuing requirements:

- Condition 67 documents that the partial closure went to an elevation of approximately 180 feet.
 - Condition 74 requires continued maintenance of the partial closure area.
67. Final Cover System Design: The partial closure of the J.E.D. Facility shall involve construction of the final cover system, placing final cover materials (soil and geosynthetics) from the anchor trench along the perimeter road up to an elevation of approximately 180 ft. NGVD. The landfill partial closure shall have side slopes graded at 3H:IV, with 15 ft. wide benches at elevations 138 and 178 ft. NGVD.
68. ~~Final Cover — Side Slopes: The proposed final cover system on the landfill side slopes shall be as presented in Drawing No. 8 and 11 of 13 in Appendix B of the Report (Reference No. 1 — Appendix A) and shall consist of, from top to bottom:~~
- ~~• a 0.5 ft. thick vegetative layer;~~
 - ~~• a 1.5 ft. thick cap protective layer (vegetative support layer);~~
 - ~~• a geocomposite drainage layer;~~
 - ~~• a 40 mil thick polyethylene (PE) geomembrane; and~~
 - ~~• a 1 ft. thick intermediate cover layer.~~
- ~~(NOTE: This has been satisfied.)~~
69. Drainage Swales: Drainage swales shall be constructed along the landfill benches to collect and divert surface water runoff via downdrains to the stormwater ponds and ditches at the toe of the landfill slope to minimize erosion at the surface of the landfill cover system. (NOTE: This has been satisfied.)

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70. ~~Construction Quality Assurance: The Construction Quality Assurance (CQA) Plan submitted as part of a permit application titled "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, dated September 2007 (Reference No. 5 - Appendix A) 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. (NOTE: This has been satisfied.)~~
71. ~~Technical Specifications: The partial closure of the J.E.D. Facility shall be constructed with quality materials. The technical specifications for all construction materials, including the final cover system geosynthetics and soils shall be as presented in Appendix C of the Report (Reference No. 1 - Appendix A). (NOTE: This has been satisfied.)~~
72. ~~Certification of Closure Construction Completion: A certification of partial closure construction completion, DEP Form 62-701.900(2), signed and sealed by a professional engineer, licensed in Florida, independent of the contractor, shall be submitted to the Department upon completion of the partial landfill closure. All substantial deviations, if any, from the approved design shall be noted, Rule 62-701.610(4), F.A.C. The Engineer of Record shall contact the Department to arrange for Department representatives to inspect the facility with the permittee, the engineer and the proposed on-site facility operator. All corrective work shall be performed before the landfill project is accepted by the Department. (NOTE: This has been satisfied.)~~
73. ~~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 record drawings and a summary report to the Department as to the complete conformity with all applicable provisions of Chapter 62-701, F.A.C. This summary report shall include a documented control program of the liner installation, liner inspections, and the quality assurance/quality control testing procedure and laboratory analyses. This report shall be included with the certification required in Specific Condition No. 72 of this permit. (NOTE: This has been satisfied.)~~
74. ~~Final Cover Maintenance: A stockpile of cover material for long-term care erosion control, filling areas of subsidence, maintaining berms, and general maintenance of the facility shall be maintained on-site, Rule 62-701.600(5)(f)4, F.A.C. The partial landfill closure area shall be periodically inspected and maintained by the permittee.~~

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SPECIFIC CONDITIONS:

From SO49-0199726-012: Authorized leachate aeration system in an effort to reduce contaminant loadings and odor from the leachate prior to transport off-site. The Department also modified the permit to include requirements for electronic reporting of water and leachate quality data.

- Specific conditions 14 (Permit No. SO49-0199726-004) and M (Permit No. SO49-0199726-007) are changed to read:

14 & M. Monitoring Plan Implementation Schedule: Water and Leachate Quality Monitoring: The Monitoring Plan Implementation Schedule (MPIS) is made a part of this permit. The MPIS or its attachments may be revised or updated at any time. The revised/updated documents will be issued with a new date and effective for the next sampling event. The last revision of the MPIS was issued on April 6, 2009, updating the sample locations and sampling schedule. All new wells shall be in place and sampled prior to the placement of waste in newly constructed cells. (Also, see specific condition 75 for reporting requirements.)

- Specific condition 75 is added:

75. Water and Leachate Quality Reporting: Required water quality monitoring reports and all ground water, surface water and leachate analytical results shall be submitted electronically. Water quality monitoring reports shall be submitted in Adobe pdf format. The water quality data Electronic Data Deliverable (EDD) shall be provided to the Department in an electronic format consistent with requirements for importing the data into the Department's databases. Water quality monitoring reports shall be signed and sealed by a Florida registered professional geologist or professional engineer with experience in hydrogeological investigations and shall include the following:

1. Cover letter;
2. Summary of exceedances and sampling issues (if any, for example, variation from SOP field criteria);
3. Conclusions and recommendations;
4. Ground water contour maps;
5. Chain of custody forms;
6. Water levels, water elevation table;
7. Ground Water Monitoring Report Certification, using the appropriate Department form;
8. Appropriate sampling information on Form FD 9000-24 (DEP-SOP-001/01); and,
9. Laboratory and Field EDDs and error logs, as applicable.

(NOTE: You no longer have to complete or submit the DEP Form 62-522.900(2), Parameter Monitoring Report.)

All submittals in response to this specific condition shall be sent to both:

Florida Department of Environmental Protection
Central District Solid Waste Program
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803

PERMITTEE:
Omni Waste of Osceola County, LLC

WACS Facility: 89455
Permit/Certification Numbers:
SC49-0199726-004 & SO49-0199726-005
Expiration Date: 01/11/2012

Attention: Mr. Mike Kaiser

SPECIFIC CONDITIONS:

And:

Florida Department of Environmental Protection
Solid Waste Section
2600 Blair Stone Road, MS 4565
Tallahassee, Florida, 32399-2400

From SO49-0199726-013 and WT49-0199726-014: authorized installation and operation of Auto Shredder Residual Recycling Process and waste tire storage and processing

76. Auto Shredder Residual (ASR) Recycling Operations Installation: The ASR recycling operations shall be installed in the active lined Cell 6 as shown on Sheet 2 and Sheet 2A in Attachment B (Reference 3 – Appendix A). The footprint of the ASR recycling operations is approximately 250 feet x 150 feet. The permittee shall obtain approval from the Department prior to relocation of the ASR Operations.
77. ASR Processing Capacity: The production capacity of the processing equipment is approximately 50 tons/hour. The maximum ASR that could be processed at the facility on a daily basis is approximately 550 tons based on the current facility operating hours. Actual operating rates may vary depending upon business conditions.
78. Litter and Dust Control: Dust control will be provided at the processing equipment using water mist or spray systems installed in select locations on the equipment. Litter control will be maintained in accordance with Section 4.6.1 of the Operation Plan (Reference 3- Appendix A).
79. Emergency Contingency Plan: Standard first aid and fire suppression equipment will be maintained at the area, including fire extinguishers within all heavy equipment.
80. Closure Requirements: The permittee shall notify the Department 30 days in advance of the planned closure date. Additionally, post notice at the Facility weigh scales 30 days prior to closing indicating that the ASR Recycling Area will be closing and the date of closure. Remove all processing equipment, support equipment, and marketable materials from the facility.

From WT49-0199726-014: Waste Tire Processing Facility

81. Operations Involving Use of Open Flames: No operations involving the use of open flames shall be conducted within 25 feet of a waste tire pile, Rule 62-711.540(1)(b), F.A.C.
82. Stormwater Control Methods: Stormwater control methods shall meet stormwater requirements of Chapter 62-25 and 62-330, F.A.C. The facility shall be managed in such a way as to divert stormwater or floodwater around and away from the tire storage piles, Rule 62-711.540(3)(a), F.A.C.

PERMITTEE:
Omni Waste of Osceola County, LLC

WACS Facility: 89455
Permit/Certification Numbers:
SC49-0199726-004 & SO49-0199726-005
Expiration Date: 01/11/2012

Attention: Mr. Mike Kaiser

SPECIFIC CONDITIONS:

83. Emergency Situations: The operator of the waste tire site shall immediately notify the Department in the event of a fire or other emergency if that emergency has potential off-site effects. Within two weeks of any emergency involving potential off-site impact, the operator of the site shall submit to the Department, a written report on the emergency. This report shall describe the origins of the emergency, the actions that were taken to deal with the emergency, the results of the actions that were taken, and an analysis of the success or failure of the actions, Rule 62-711.540(1)(f), F.A.C.
84. Certification Requirements: The facility shall meet the certification requirements of Rule 62-701.320(9)(b), F.A.C., after completion of construction and prior to operation of the waste tire processing facility.
85. Minimum Size Requirements: Processed tires for recycling or disposal must meet the minimum size requirements specified in Rule 62-711.400(3), F.A.C.
86. Waste Tire Processing Facility Requirements: The facility shall meet the requirements of the waste tire processing facility, Rule 62-711.530, F.A.C.
87. Storage Requirements: Any storage of tires on-site shall meet with the fire department's standards along with the provisions cited in Rule 62-711.540, F.A.C. of the waste tire rule.
88. Control of Mosquitoes and Rodents: The owner or operator shall provide for control of mosquitoes and rodents at the waste tire site so as to protect the public health and welfare, Rule 62-711.540(1)(j), F.A.C.
89. Tire Pile Dimensions: An outdoor tire pile or processed tire pile shall not exceed the following maximum dimensions as shown on Sheet 1 (Reference 5 - Appendix A of this permit): a width of 50 feet; an area of 10,000 square feet; and a height of 10 feet, Rule 62-711.540(3)(b), F.A.C.
90. Waste Tire Pile - Fire Lane: A 50-foot wide fire lane shall be placed around the perimeter of each waste tire pile, Rule 62-711.540(3)(c), F.A.C.
91. Processing Requirements: At least 75% of the whole tires, used tires, and processed tires that are delivered to or are contained on the site of the waste tire processing facility at the beginning of each calendar year must be processed and removed for disposal or recycling from the facility during the year, or disposed of in a permitted solid waste management facility, Rule 62-711.530(3), F.A.C.
92. Quarterly Reports: Owners or operators of waste tire processing facilities shall submit quarterly reports to the Department that summarize the information collected under Rule 62-711.530(4), F.A.C. The reports shall be submitted on DEP Form 62-701.900(21), on the 20th of the month following the close of each calendar quarter to the Department of Environmental Protection, Central District - Solid Waste Section, 3319 Maguire Boulevard, Suite 232, Orlando, Florida 32803, with a copy to the Department of Environmental Protection, Solid Waste Section, 2600 Blair Stone Road, Tallahassee, Florida 32399, Rule 62-711.530(5), F.A.C.

PERMITTEE:
Omni Waste of Osceola County, LLC

WACS Facility: 89455
Permit/Certification Numbers:
SC49-0199726-004 & SO49-0199726-005
Expiration Date: 01/11/2012

Attention: Mr. Mike Kaiser

SPECIFIC CONDITIONS:

93. Closure Plan: The waste tire processing facility shall comply with the closure plan requirements of Rule 62-711.700, F.A.C.
94. Disposal of Processed Tires or Residuals: The processed tires or residuals shall be disposed of at permitted disposal sites or properly recycled.
95. Maximum Storage: The facility shall not accept any waste tires for processing if it has reached its permitted storage limit for any category of waste tires, or if the number of waste tires on the site exceeds the quantity estimate in the closing cost estimate, Rule 62-711.530, F.A.C. The maximum storage at the facility for whole waste tires, processed tires, and residuals, shall be 313 tons, 313 tons and 10 tons, respectively, as stated on Page 2 of 4, DEP Form # 62-701.900(23) – Waste Tire Processing Facility Permit Application provided in Appendix G (Reference No. 5 – Appendix A). The maximum storage at the facility includes a minimal amount of tires destined for re-sale.

SO49-0199726-015: Authorizes additional landfill gas collection devices to the existing J.E.D. Facility's Class I landfill gas collection and control system in Cells 7 through 10, and leachate manhole and pipe risers in active and future cells. Horizontal gas collection wells will be used to actively collect gas within waste mass, control odors, and allow a more timely installation and operation of the gas collection and control system (GCCS).

REVISED:

23. Certification: After all significant initial construction has been completed in each cell, and prior to acceptance of any solid waste in that cell, 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.
25. Solid Waste Disposal: No cell shall receive solid waste until the leachate collection system is in place and functional, and Specific Conditions 14, 16, and 23 are satisfied.
34. Leachate Collection Pipes: The leachate collection pipes shall be water pressure cleaned or inspected by video recording at the time of permit renewal. 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.
53. Waste Report: Landfill operators shall record, in tons per day, the amount of solid waste received. Waste reports shall be compiled monthly, and copies shall be provided to the Department annually not later than January 20th of each year, Rule 62-701.500(4), F.A.C.

PERMITTEE:
Omni Waste of Osceola County, LLC

WACS Facility: 89455
Permit/Certification Numbers:
SC49-0199726-004 & SO49-0199726-005
Expiration Date: 01/11/2012

Attention: Mr. Mike Kaiser

SPECIFIC CONDITIONS:

All submittals in response to this specific condition shall be submitted to: Solid Waste Section, Department of Environmental Protection, MS-4565, 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.

54. Record Keeping: The permittee shall comply with the record keeping requirements for the Class I landfill, Rule 62-701.500(13), F.A.C. The permittee shall submit the annual estimate of the remaining life and capacity (Rule 62-701.500(13)(c), F.A.C.) to the Department no later than September 1 each year. The report shall be sent to Solid Waste Section, Department of Environmental Protection, MS-4565, 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.
63. Prevention of Significant Deterioration (PSD) Requirements: The facility has a Title V air permit #0970079-003-AV. The landfill owner or operator must meet the permit and regulatory requirements regarding 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 facility has a Title V air permit #0970079-003-AV. The landfill owner or operator is required to meet the permit and regulatory requirements. 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.

ADDED:

96. Installation of Sixteen Horizontal Gas Collectors (HGC-1 through HGC-16) and Four Side Slope Gas Collection Wells (SSC-1 through SSC-4): Install the sixteen horizontal gas collectors in two layers and the side slope horizontal gas collectors as described in Exhibit 2 titled Engineering Design Narrative (Reference 1 – Appendix A) and as shown on Drawing No. 29B of 40 through Drawing No. 32 B of 40 (Reference No. 3 and 4 – Appendix A).
97. Landfill Gas (LFG) Sump Connection: The leachate collection system will be connected to the gas collection and control system (GCCS) at various points. Install the connections to the leachate collection system sumps and leachate collection system cleanout risers as described in Exhibit 2 titled Engineering Design Narrative, Section 2.3, titled Leachate Collection System Tie-in (Reference 1 – Appendix A) and as shown on Drawing No. 32C of 40 (Reference 1 – Appendix A).
98. Permit Deviations: Notify and obtain Department approval prior to executing any substantial changes or revisions to the construction and operation authorized by this permit.

PERMITTEE:
Omni Waste of Osceola County, LLC

WACS Facility: 89455
Permit/Certification Numbers:
SC49-0199726-004 & SO49-0199726-005
Expiration Date: 01/11/2012

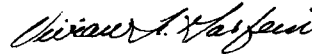
Attention: Mr. Mike Kaiser

SPECIFIC CONDITIONS:

99. Certificate of Construction Completion: Within 60 days after completion of specific conditions 96 and 97, submit a certification of construction completion, DEP Form 62-701.900(2), signed and sealed by a professional engineer, licensed in Florida, independent of the contractor, to the Department upon completion of the installation of the gas collection and control system modifications authorized under this permit. All substantial deviations, if any, from the approved design shall be noted, Rule 62-701.320 9(b), F.A.C. The Engineer of Record shall contact the Department to arrange for Department representatives to inspect the facility with the permittee, the engineer and the proposed on-site facility operator.

ISSUED: December 22, 2010

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.



Dec. 22, 2010

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 December 22, 2010 to the listed persons.



Clerk

VFG/gc/ew

Enclosures:

1. Appendix A: Consolidated List of Documents Incorporated into the Permit
2. Appendix B: History of Solid Waste Permit XX49-0199726-0XX from SC49- 49-0199726-004 through SO49-0199726-015

Appendix A
Consolidated List of Documents Incorporated into the Permit

From SC49- 49-0199726-004 and SO49-0199726-005

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.

From SC49- 49-0199726-006 and SO49-0199726-007

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.

From SC49-0199726-008

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.

From SO49-0199726-009

1. Minor Modification Application For Phased Financial Assurance, Cell 6 Construction – Omni Waste of Osceola County, LLC, Prepared by: Geosyntec, Tampa, Florida, dated July 2008. Received and stamped July 30, 2008, DEP – Central District.
2. Certification Report, Construction of Cell 6, J.E.D. Solid Waste Management Facility, Osceola County, Florida, Prepared by Geosyntec Consultants, Tampa, Florida dated July 2008. Received and stamped July 30, 2008.
3. First Request for Additional Information from DEP – Central District dated August 27, 2008.
4. Response to First Request for Additional Information from Geosyntec Consultants, Tampa, Florida dated September 5, 2008. Received and stamped September 9, 2008, DEP – Central District.
5. Second Request for Additional Information from DEP – Central District dated September 30, 2008.
6. Certification of Construction Completion – Cell 6 from DEP – Central District dated September 30, 2008.
7. Financial Assurance approval letter from DEP – Tallahassee dated September 30, 2008.
8. Renewal permit application entitled “Renew Permit Application to Construct and Operate Phases 2 and 3 of the oak Hammock Disposal Facility,” prepared and submitted by Geosyntec Consultants, Tampa, Florida in September 2006 and approved by the FDEP central district in March 2007.
9. Permit renewal drawings entitled “Oak Hammock Disposal Facility, Phases 2 and 3 Renewal permit Drawings,” dated September 2006.
10. Major modification application entitled “Major Modification Application for Vertical Expansion of the J.E.D. Solid Waste Management Facility (Phases 1 through 3),” prepared and submitted by Geosyntec Consultants, Tampa, Florida in September 2007 and approved by the FDEP Central District in April 2008.
11. Minor modification entitled “Minor Modification Application for Cell 6 at the Oak Hammock Disposal Facility,” prepared and submitted by Geosyntec Consultants, Tampa, Florida in December 2007 and approved by the FDEP Central District in February 2008.
12. Vertical expansion permit drawings entitled “J.E.D. Solid Waste Management Facility, Vertical Expansion of Permit Drawings Phases 1 through 3.” dated September 2007.
13. Construction drawings entitled “J.E.D. Solid Waste Management Facility, St. Cloud, Florida, Cell 6 Construction (Revised design),” dated January 2008, prepared by Geosyntec Consultants, Tampa, Florida.

From SO49-0199726-010

1. Request for Permit Modification, Operations Permit, FDEP Operation Permit SO49-0199726-005, DEP ID Number: 89544 (WACS), J.E.D. Solid Waste Management Facility, Prepared by HDR Engineering Inc., 15450 New Barn Road, Suite 304, Miami Lakes, FL 33014 dated September 2008. Received and stamped September 16, 2008, DEP - Central District.
2. First Request for Additional Information from Central District – DEP dated October 15, 2008.
3. Response to Request for Additional Information from HDR Engineering Inc., Miami Lakes, Florida dated October 29, 2008. Received and stamped October 30, 2008, Central District – DEP.
4. Permit Application Completion Letter from Central District – DEP dated November 19, 2008.

From SO49-0199726-011

1. Partial Landfill Closure – Application For An Intermediate Permit Modification, J.E.D. Solid Waste Management Facility, Prepared by: Geosyntec consultants, Tampa, Florida dated November 2008. Received and stamped November 26, 2008, DEP – Central District.
2. First Request for Additional Information from Central District – DEP dated December 18, 2008.
3. Response to Request for Additional Information dated December 18, 2008 from Geosyntec consultants, Tampa, Florida dated December 30, 2008. Received and stamped December 31, 2008, DEP – Central District.
4. Electronic mail dated January 31, 2009, from Tom Lubozynski, P.E., DEP – Central District to Michael Kaiser – J.E.D. Permit Application SO49-0199726-011 Complete as of December 31, 2008.
5. 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, dated September 2007. Received and stamped September 18, 2007, DEP – Central District.

From SO49-0199726-012

1. Minor Permit Modification Application for Installation of Leachate Aeration System at the J.E.D. Solid Waste Management Facility, Prepared by Geosyntec Consultants, Tampa, Florida 33637 dated April 23, 2009. Received and stamped April 24, 2009, DEP – Central District.
2. Permit Application Completion Letter from Central District – DEP dated May 7, 2009.

From SO49-0199726-013 and WT49-0199726-014

1. Request for Minor Permit Modification, Operation Permit, J.E.D. Solid Waste Management Facility, Prepared by HDR Engineering, Inc., Miami Lakes, Florida dated December 16, 2009. Received and stamped December 22, 2009, DEP – Central District.
2. First Request for Additional Information from Central District – DEP dated January 19, 2010.
3. Response to First Request for Additional Information, J.E.D. Solid Waste Management Facility, Class I, Prepared by HDR Engineering, Inc., Miami Lakes, Florida dated 18 February 2010. Received and stamped February 22, 2010, DEP – Central District.

4. Second Request for Additional Information from Central District – DEP dated March 16, 2010.
5. Response to Second Request for Additional Information, J.E.D. Solid Waste Management Facility, Class I, Prepared by HDR Engineering, Inc., Miami Lakes, Florida dated 19 March 2010. Received and stamped March 22, 2010, DEP – Central District.
6. Permit Application Completion Letter dated April 01, 2010 from DEP – Central District.

From SO49-0199726-015

1. Horizontal Gas Collectors and GCCS/Leachate Sump Connections, J.E.D. Solid Waste Management Facility, St. Cloud, Florida, Prepared by: Golder Associates, Jacksonville, Florida dated July 2010. Received and stamped July 26, 2010, DEP – Central District.
2. First Request for Additional Information from Central District – DEP dated August 24, 2010.
3. Response to First Request For Additional Information, J.E.D. Solid Waste Management Facility, Prepared by: Golder Associates dated September 24, 2010. Received and stamped September 27, 2010, DEP – Central District.
4. Clarification to First Request For Additional Information from Golder Associates dated October 25, 2010. Received and stamped October 26, 2010, DEP – Central District.
5. Permit Application Completion Letter dated October 25, 2010 from DEP – Central District.

Appendix B
History of Solid Waste Permit XX49-0199726-0XX
from SC49- 49-0199726-004 through SO49-0199726-015

Permit #	What it	Changes to specific conditions
SC49- 49-0199726-004; SO49-0199726-005	To continue waste disposal operations in Oak Hammock Disposal, Phase 1 (Cells 1-4). This permit is to construct and operate Phase 2, which includes Cells 5, 6, and 7, and Phase 3, which includes Cells 8, 9, and 10.	Specific conditions thru 1 - 65
SC49- 49-0199726-006; SO49-0199726-007	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.	Specific conditions A-M
SC49-0199726-008	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.	Modified specific condition 60 and added specific condition 66.
SO49-0199726-009	SO49-0199726-008 modified to include operation of Cell 6. Specific Condition 60 is satisfied.	Specific Condition 60 satisfied so no longer required.
SO49-0199726-010	Authorized waste solidification activities within the footprint of the lined landfill.	Although no numbered specific conditions were added, there were four bulleted specific conditions in the permit.

Permit #	What it	Changes to specific conditions
SO49-0199726-011	Authorized partial closure of 24.7 acres of the side slopes of Phase I (Cells 1 through 4)	<p>Added Specific Conditions 67-74</p> <p>NOTE: The partial closure has been completed. Conditions 68 – 73 have been satisfied.</p> <p>Condition 67 documents that the partial closure went to an elevation of approximately 180 feet.</p> <p>Condition 74 requires continued maintenance of the partial closure area.</p>
SO49-0199726-012	Authorized leachate aeration system in an effort to reduce contaminant loadings and odor from the leachate prior to transport off-site	<p>Changed #14 on -004</p> <p>Changed M on -007</p> <p>Added #75 for electronic submittal of water and leachate quality data</p>
SO49-0199726-013 and WT49-0199726-014	Authorized auto shredder recycling, and waste tire storage and processing	Added specific conditions 76 - 95
SO49-0199726-015	Authorizes additional landfill gas collection devices to the existing J.E.D. Facility's Class I landfill gas collection and control system in Cells 7 through 10, and leachate manhole and pipe risers in active and future cells. Horizontal gas collection wells will be used to actively collect gas within waste mass, control odors, and allow a more timely installation and operation of the gas collection and control system (GCCS).	Added specific conditions 96 - 99

Events Scheduled

5 of 90

Site # **0199726** Site Name **OAK HAMMOCK DISPOSAL FACILITY (CLASS 1) (SW)**
Permit # **0199726-015-SO** Type/Subtype **SO** / **IM** Received **07/26/2010**
Project # **015** Project Name **OAK HAMMOCK DISPOSAL FAC**

> STOP CLOCK: Done

J.E.D. SWMF CLASS I
MODIF. OF GCS SYSTEM - INTERMEDIATE MODIF
PERMIT NO. 5049-0199726-015

Event	Begin Date	Period	Due Date	Rmn	Status	End Date
Receive Request	07/26/2010	1	07/27/2010		Done	07/26/2010
Fee Verification	07/26/2010	2	07/28/2010		Sufficient Fee	07/27/2010
Completeness Review	07/26/2010	30	08/25/2010		Incomplete	08/24/2010
RESET CLOCK	08/24/2010	1	08/25/2010		Done	08/24/2010
Awaiting Additional Information	08/24/2010	45	10/08/2010		Received	09/27/2010
Completeness Review	09/27/2010	30	10/27/2010		Complete	10/25/2010
Determine Agency Action	09/27/2010	90	12/26/2010		Issue	12/22/2010
Issue Final Permit	12/22/2010	14	01/05/2011		Issued	12/22/2010
STOP CLOCK					Done	
ISSUE PERMIT	12/22/2010	1	12/23/2010		Issued	12/22/2010

RED YELLOW GREEN NO PERMIT REQ

HISTORY SHEET

SITE/WAFR/AIR#: 49-0199726-015 TYPE: SO SUBTYPE: 101

SITE/WAFR/APP
NAME: Oak Hammock Disposal Facility

PROJECT

NAME: _____

[illegible]

Williams, Elizabeth

From: Michael Kaiser [mkaiser@wasteservicesinc.com]
To: Williams, Elizabeth
Sent: Friday, June 11, 2010 9:25 AM
Subject: Read: JED SW Mgmt. Fac. permit

Your message was read on Friday, June 11, 2010 9:25:03 AM (GMT-05:00) Eastern Time (US & Canada).

FO
6-11-10

Cheryan, George

From: Hornbrook, Frank
Sent: Tuesday, November 30, 2010 1:40 PM
To: Lubozynski, Tom; Cheryan, George; Rush, Kim; DePradine, Gloria-Jean
Subject: J.E.D. SOLID WASTE MANAGEMENT FACILITY - WACS 89544
Attachments: 89544.pdf

FYI,

I have received adequate financial assurance covering the new Cell 7 expansion for the above referenced facility. Financial assurance now covers Cells 1-7. The facility remains in financial assurance compliance.

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:

Phone: (850) 245-8745
Fax: (850) 245-8811
E-mail: Frank.Hornbrook@dep.state.fl.us

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.



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

Mimi A. Drew
Secretary

November 30, 2010

Mr. Mike Kaiser
V.P., Environmental Management and Engineering
Omni Waste of Osceola County, LLC
1501 Omni Way
St. Cloud, Florida 34773

Re: WACS 89544 - J.E.D. SWMF Phase I - Cells 1-4 (Closed) Phase II - Cells 5-7 (Active)

Dear Mr. Kaiser:

I have reviewed the documentation submitted to demonstrate financial assurance for the above referenced facility for the expansion into Cell 7 and find it is in order. Evergreen National Indemnity Company insurance certificates to policy numbers 851130 for closing and 851131 for long-term care, dated November 23, 2010, demonstrate adequate financial assurance in the amount of the Department approved closing and long-term care cost estimates for Phase I Cells 1-4 (Closed) and Phase II Cells 5-7 (Active), in the amount of \$5,950,241.32 and \$7,404,650.74, respectively. 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

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



Florida Department of Environmental Protection

3319 Maguire Boulevard, Suite 232
Orlando, FL 32803

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Mimi A. Drew
Secretary

By E-Mail
mkaiser@wsii.us

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

OCD-SW-010-0545

Osceola County – SW WACS # 89544
J.E.D Solid Waste Management Facility, Class I
Cell 7 Operation – Minor Modification
First Request for Additional Information
Minor Modification of Permit No. SO49-0199726-013
Permit Application No. SO49-0199726-016

Dear Mr. Kaiser:

Environmental Planning Specialists, Inc. (EPS) submitted on your behalf, a minor modification application titled "Minor Modification Application for Phased Financial Assurance Cell 7 Construction". The application was dated October 4, 2010 and received by the Department on October 5, 2010. We have assigned permit number SO49-0199726-016 to the application. This minor modification application was submitted to comply with Specific Condition No. 66 of the Permit No. SC49-0199726-008. As required, this application provided updated closure and long-term care cost estimates and Certification of Construction Completion for Cell 7.

The Department had a few comments related to updated closure and long-term care cost estimates and were discussed during the site visit on October 20, 2010. The Department received a document titled "Minor Modification Application for Phased Financial Assurance Cell 7 Construction, Revision 1", on November 1, 2010 as response to these comments.

The application 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. Disposal of solid waste in Cell 7 is not permitted at this time.

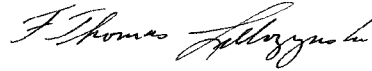
Pursuant to Section 120.60(2), Florida Statutes, the Department may deny an application, if the applicant, after receiving timely notice, fails to correct errors and omissions, or supply additional information within a reasonable period of time. Accordingly, please provide the additional information 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. Electronic copy of your submittal would be appreciated.

FC
11-17-10

Mr. Mike Kaiser
1st RAI Permit Application No. SO49-0199726-016
OCD-SW-010-0545
Page #2

If you have any questions, please contact me at (407) 893-3328 or by e-mail at Tom.Lubozynski@dep.state.fl.us.

Sincerely,



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

Date: November 17, 2010

FTL/gc/sj

Attachments:

A. RAI for "Minor Modification Application for Phased Financial Assurance Cell 7 Construction, Revision 1"

cc:

Kenneth W. Cargill, P.E. – EPS, kwcargill@earthlink.net
Kirk Wills - EPS, kwills@envplanning.com
Frank Hornbrook, FDEP – Tallahassee, frank.hornbrook@dep.state.fl.us

Attachment A:

Note that all references to "Application" in the following text refer to the document entitled, "Minor Modification Application for Phased Financial Assurance Cell 7 Construction, Revision 1", Prepared by: EPS, 1936 Bruce B. Downs Boulevard., No. 328, Wesley Chapel, Jacksonville, FL 33543 dated October 2010 and received by the Department on November 1, 2010.

1. The detailed closure and long-term care cost estimate for Cell 7 submitted as part of the Application dated October, 2010 and received by the Department on November 1, 2010 is approved. The closure cost for Cell 7 is estimated at \$1,186,530.60; the 30-year long-term care costs for Cell 7 are estimated to be \$552,418.68. The Central District accepts it as adequate for Cell 7 at this time. These costs must be added to the current approved estimate for Cells 1-6 of the Facility in order for the total facility to have appropriate financial assurance. The last approved cost estimate for Cells 1-6 was dated January 5, 2010. It was approved on February 10, 2010. The estimated closing costs for Cells 1-6 was \$4,763,710.72; the estimated 30-year long term care costs are \$6,852,232.06.
2. **Financial Assurance Mechanism Update:** A financial assurance mechanism must be provided in the amount of total approved closure and long-term care costs for Cells 1-7 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, FL 32803-3767.

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 Application Related
Contractor ID	
Facility Type	100
Document Subject	Permit Application No. SO49-0199726-016, Minor Mod JED Facility, - First RAI

& fiscal

Williams, Elizabeth

From: Lubozynski, Tom
Sent: Tuesday, November 16, 2010 6:05 PM
To: Janwadkar, Sandeep; Williams, Elizabeth
Cc: Cheryan, George
Subject: RE: For Review - Due Date 12-01-2010 - JED Minor Mod Cell 7 - Per App No SO49-0199726-016 - First RAI and Approval of Cert of Const Completion

Betty – you may send. The RAI needs to be supplemental indexed to Fiscal/cost estimate related.

Sandeep – thanks.

Tom

From: Janwadkar, Sandeep
Sent: Thursday, November 04, 2010 9:52 AM
To: Lubozynski, Tom
Cc: Cheryan, George; Williams, Elizabeth
Subject: For Review - Due Date 12-01-2010 - JED Minor Mod Cell 7 - Per App No SO49-0199726-016 - First RAI and Approval of Cert of Const Completion

Tom,

Following is the hyperlink to two draft documents for your review and approval. The first one is approval of certification of construction completion of Cell 7 and the second one is first RAI for Minor Mod App No 016 which has a due date of Dec 01, 2010.

<O:\Solid Waste\SW Facilities\Osceola\J.E.D 89544\Permitting\Major Permit Action\SO199726-016\Cell 7 Cert of Const Completion>

<O:\Solid Waste\SW Facilities\Osceola\J.E.D 89544\Permitting\Major Permit Action\SO199726-016\1st RAI>

Sandeep

Williams, Elizabeth

From: Michael Kaiser [mkaiser@wasteservicesinc.com]
To: Williams, Elizabeth
Sent: Wednesday, November 17, 2010 12:05 PM
Subject: Read: JED Cell 7 minor mod first rai ltr 0545

Your message was read on Wednesday, November 17, 2010 12:04:48 PM (GMT-05:00) Eastern Time (US & Canada).



Florida Department of Environmental Protection

3319 Maguire Boulevard, Suite 232
Orlando, FL 32803

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Mimi A. Drew
Secretary

By E-Mail
mkaiser@wsii.us

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

OCD-SW-010-0544

Osceola County – SW WACS # 89544
J.E.D Solid Waste Management Facility, Class I
Cell 7 Operation – Minor Modification
Minor Modification of Permit No. SO49-0199726-013
Permit Application No. SO49-0199726-016
Approval of Certification of Construction Completion – Cell 7 (Approx. 12.0 acres)

Dear Mr. Kaiser:

This letter acknowledges the receipt of "Certification Report Construction of Cell 7, Waste Services, Inc., Omni Waste of Osceola County, LLC., 1501 Omni Way, St. Cloud, Florida", report dated October 4th 2010 and received by the Department on October 5, 2010. The document was prepared by Environmental Planning Specialist, Inc. (EPS), Wesley Chapel, Florida, and certified by Kenneth W. Cargill, P.E. It described the preparation of approximately 12 acres of Cell 7 for accepting Class I waste. The as-built drawings were submitted in Appendix C of the above referenced submittal and were titled "As-Built Survey – Top of Liner Subbase, Top of Protective Cover, and Leachate System & Stormwater System Cell 7". These drawings were signed and sealed by Deborah L. Peavey, P.S.M. of Peavey & Associates Surveying & Mapping, PA. Two additional As-built Drawings titled "Primary Geomembrane Panel and Secondary Geomembrane Panel" were also included in the Attachment C of the above referenced submittal. Documentation of high-pressure water cleaning of the primary and secondary leachate collection pipes was included in the Appendix T of the above referenced submittal.

Based upon the inspection of the construction of Cell 7 by the Department Representatives on 10/20/2010, and subsequent revisions to the Certification Report received by the Department on November 1, 2010 from EPS, Inc. including e-mail clarification provided by Kirk Wills, of EPS, Inc. to the Department, construction of Cell 7, Class I expansion consisting of approximately 12 acres, as certified by the Professional Engineer of Record, has been completed and is substantially consistent with plans and specifications approved in DEP Permit No. SC49-0199726-008. The total approved area for Cell 7 is approximately 12 acres.

During the Department Inspection on 10/20/2010, minor erosion was noted along the western sideslopes and ponding of stormwater was noted near the sump area of the Cell 7. The permittee representative indicated that the repairs will be completed in the next few weeks.

Solid waste cannot be disposed in Cell 7 until permit application SO49-0199726-016 is approved and the minor modification permit is issued by the Department. Separately, you will receive one Request for Additional Information regarding your application. It will state that the closure and long-term care cost for Cell 7 of the J.E.D. Solid Waste Management Facility have been approved. These costs must be added to the current approved estimate for Cells 1-6 of the Facility in order for the total facility to have appropriate financial assurance. Proof of adequate financial assurance must be approved by the Department's Financial Coordinator before this application can be deemed complete.

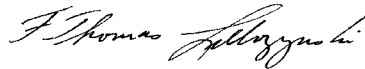
30
11-17-10

Mr. Mike Kaiser
Approval of Certification of Construction Completion - Cell 7
OCD-SW-010-0544
Page #2

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.

If you have any questions, please contact me at (407) 893-3328 or by e-mail at Tom.Lubozynski@dep.state.fl.us.

Sincerely,



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

Date: November 17, 2010

FTL/gc/sj

cc:

Kenneth W. Cargill, P.E. – EPS, kwcargill@earthlink.net

Kirk Wills - EPS, kwills@envplanning.com

Frank Hornbrook, DEP-Tallahassee, frank.hornbrook@dep.state.fl.us

CERTIFICATION

J.E.D. Landfill, Class I – Construction Completion of Cell 7

Permit No. SO49-0199726-013

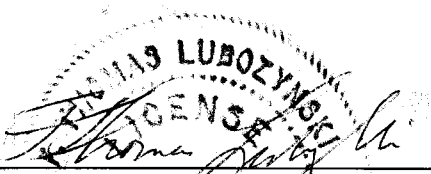
I HEREBY CERTIFY that the engineering features described in the Certification of Construction Completion – Cell 7, Class I (Approx. 12 Acres) provide reasonable assurance of compliance with the applicable provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Title 62.

"Certification Report Construction of Cell 7, Waste Services, Inc., Omni Waste of Osceola County, LLC., 1501 Omni Way, St. Cloud, Florida", report dated October 4th 2010 and received by the Department on October 5, 2010. The document was prepared by Environmental Planning Specialist, Inc. (EPS), Wesley Chapel, Florida, and certified by Kenneth W. Cargill, P.E. It described the preparation of approximately 12 acres of Cell 7 for accepting Class I waste. The as-built drawings were submitted in Appendix C of the above referenced submittal and were titled "As-Built Survey – Top of Liner Subbase, Top of Protective Cover, and Leachate System & Stormwater System Cell 7". These drawings were signed and sealed by Deborah L. Peavey, P.S.M. of Peavey & Associates Surveying & Mapping, PA. Two additional As-built Drawings titled "Primary Geomembrane Panel and Secondary Geomembrane Panel" were also included in the Attachment C of the above referenced submittal. Documentation of high-pressure water cleaning of the primary and secondary leachate collection pipes was included in the Appendix T of the above referenced submittal.

Based upon the inspection of the construction of Cell 7 by the Department Representatives on 10/20/2010, and subsequent revisions to the Certification Report received by the Department on November 1, 2010 from EPS, Inc. including e-mail clarification provided by Kirk Wills, of EPS, Inc. to the Department, construction of Cell 7, Class I expansion consisting of approximately 12 acres, as certified by the Professional Engineer of Record, has been completed and is substantially consistent with plans and specifications approved in DEP Permit No. SC49-0199726-013. The total approved area for Cell 7 is approximately 12 acres.

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, and structural features).

This review was conducted by Sandeep Janwadkar working under my direct supervision.


F. Thomas Lubozynski, P.E.
Florida P.E. Number: 53935
Seal
Date: _____

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 Application Related
Contractor ID	
Facility Type	100
Document Subject	Permit Application No. SO49-0199726-016, Minor Mod JED Facility, Approval of Certification of Construction Completion - Cell 7

✓ fiscal

Williams, Elizabeth

From: Michael Kaiser [mkaiser@wasteservicesinc.com]
To: Williams, Elizabeth
Sent: Wednesday, November 17, 2010 11:56 AM
Subject: Read: JED approval of cert. of const. completion ltr. 0544

Your message was read on Wednesday, November 17, 2010 11:55:51 AM (GMT-05:00) Eastern Time (US & Canada).



Florida Department of Environmental Protection

3319 Maguire Boulevard, Suite 232
Orlando, FL 32803

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Mimi A. Drew
Secretary

By E-Mail
mkaiser@wsii.us

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

OCD-SW-010-0520

Osceola County – SW WACS # 89544
J.E.D Solid Waste Management Facility, Class I
Cell 7 Operation – Minor Modification
Department Review Date Clarification Letter
Minor Modification of Permit No. SO49-0199726-013
Permit Application No. SO49-0199726-016

Dear Mr. Kaiser:

Environmental Planning Specialists, Inc. (EPS) submitted on your behalf, a minor modification application titled "Minor Modification Application for Phased Financial Assurance Cell 7 Construction". The application was dated October 4, 2010 and received by the Department on October 05, 2010. We have assigned permit number SO49-0199726-016 to the application. This minor modification application was submitted to comply with Specific Condition No. 66 of the Permit No. SC49-0199726-008. As required, this application provided updated closure and long-term care cost estimates and Certification of Construction Completion for Cell 7.

The Department had some comments about the certification; these were discussed during the Cell 7 site inspection on October 20, 2010. Our comments related to updated closure and long-term care cost estimates were also discussed during the site visit on October 20, 2010.

The Department's due date to provide review response to the submittals received on October 5th is November 4th. However, on November 1st the Department received your response to the comments discussed during the site visit on October 20, 2010. The Department will review this response to finalize the Department completeness review of this minor modification permit application. The new due date for the Department to complete the review of this permit application and provide feedback to the permittee will be 30 days from the receipt of the November 1, 2010 submittal. The Department will provide the completeness review response to this permit application NLT December 1, 2010.

FO
11-2-10

Mr. Mike Kaiser

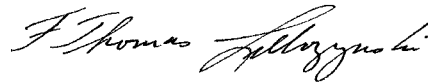
Review Date Clarification - Permit Application No. SO49-0199726-016

OCD-SW-010-0520

Page #2

If you have any questions, please contact me at (407) 893-3328 or by e-mail at Tom.Lubozynski@dep.state.fl.us.

Sincerely,



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

Date: November 2, 2010

FTL/gc/sj

cc:

Kenneth W. Cargill, P.E. - EPS, kwcargill@earthlink.net

Kirk Wills - EPS, kwills@envplanning.com

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

Administrative	
Discovery Compliance	
Cleanup	
Enforcement Legal	
Fiscal	
Permitting	X

County	Osceola
Facility ID #	89544
Document Date	
Received Date	
Doc Type	Permit Application Related
Contractor ID	
Facility Type	100
Document Subject	Permit Application No. SO49-0199726-016, Minor Mod JED Facility, Review Date Clarification Letter

Williams, Elizabeth

From: Michael Kaiser [mkaiser@wasteservicesinc.com]
Sent: Tuesday, November 02, 2010 9:54 AM
To: Williams, Elizabeth
Subject: RE: JED re: minor mod. ltr 0520

Receipt acknowledged.

Thanks,

Mike Kaiser
Waste Services, Inc.
1099 Miller Drive
Altamonte Springs, Florida 32701
(904) 673-0446 [Cell]
mkaiser@wsii.us

From: Williams, Elizabeth [<mailto:Elizabeth.Williams@dep.state.fl.us>]
Sent: Tuesday, November 02, 2010 9:22 AM
To: Michael Kaiser
Cc: kwcargill@earthlink.net; kwillis@envplanning.com; Lubozynski, Tom; Cheryan, George; Janwadkar, Sandeep
Subject: JED re: minor mod. ltr 0520

Attached is an Adobe Acrobat version of the "JED" 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.

Cover Florida, developed by Governor Charlie Crist and the Florida Legislature, gives Floridians access to more affordable health insurance options. To learn more or to sign up for email updates, visit www.CoverFloridaHealthCare.com.

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

file copy

Janwadkar, Sandeep

From: Kirk Wills [KWills@envplanning.com]
Sent: Monday, November 01, 2010 11:05 AM
To: Janwadkar, Sandeep
Cc: 'Michael Kaiser'; Cheryan, George
Subject: RE: Cell 7 Certification Report - Clarification reg. Permeant

Sandeep,

I have been looking into the use of tap water vs. de-aired water in performance of ASTM D 2434. I contacted Dr. Nader Rad, P.E. with Excel Geotechnical Testing, who conducted all of the soils testing for the Cell 7 project. Dr. Rad explained the test procedures for ASTM D 2434 to me (I also obtained a copy for review). He explained that tap water was used in the testing, but prior to use, the laboratory processes the tap water through a sand filter to remove any entrapped air in the water. He said that laboratories typically "de-air" tap water by either passing the water through a sand filter or by pouring the water into a shallow pan and leaving the sample sit out overnight. So in effect, de-aired water was used in the test. The "permeant fluid" could have been identified as DTW (De-Aired Tap Water) on the test result data sheets. The standard states that "native or water of low mineral content should be used for the test, but in any case the permeant fluid should be described in the report". A note states that "native or de-aired water should be used if possible, but they may be a refinement not ordinarily feasible for large scale production testing". The use of de-ionized water is not referenced in the ASTM standard.

Please note that Excel Geotechnical testing has performed the permeability testing for Cells 1, 2, 3, 5, and 6 at the JED Facility and a review of the data sheets show that tap water (TW) was used as the permeant fluid in all of the rigid wall permeability testing. Dr. Rad explained that the use of de-aired water is a carry-over from tri-axial testing where entrapped air could create some cavitation under high pressures. For rigid wall testing of sands the velocities are so small that this is not a concern.

Hopefully this answers your question about the use of the tap water vs. de-aired water. Please let me know if you have any additional questions.

Thanks!
Kirk

Kirk Wills
Senior Engineer



Environmental Planning Specialists, Inc.
1936 Bruce B. Downs Blvd. No. 328
Wesley Chapel, Florida 33543
Phone: (813) 388-1026
www.envplanning.com

NOTICE: This communication may contain privileged or other confidential information. If you are not the intended recipient, or believe that you have received this communication in error, please do not print, copy, retransmit, disseminate, or otherwise use the information. Also, please indicate to the sender that you have received this communication in error, and delete the copy you received. Thank you.

70 11/1/2010

From: Janwadkar, Sandeep [<mailto:Sandeep.Janwadkar@dep.state.fl.us>]
Sent: Wednesday, October 20, 2010 3:26 PM
To: Kirk Wills
Cc: 'Michael Kaiser'; Cheryan, George
Subject: Cell 7 Certification Report - Clarification reg. Permeant

Hello Kirk,

George and I would like to thank you and Mike Kaiser for meeting with us today at the JED site to go over Cell 7 certification report and site visit. I looked into the issue related to the Permeant Fluid discussion and have attached the reference material. It was located in Appendix F and relates to rigid wall permeability test results (second page of the attachment). It states the permeant liquid used was TW (tap water). I do also want to clarify that it was related to Soil testing and not the GCL testing. The GCL testing was performed as described on Page 5-2 first full paragraph and matches with the results presented in Appendix H. I am not sure about the soil hydraulic conductivity testing using the tap water? If ASTM 2434 allows for use of tap water then your results are acceptable. If not, please provide any additional clarification that you may have related to the use of tap water instead of deionized water/leachate for lab testing of soil samples used during cell construction.

Thanks
Sandeep
407-893-3328

The Department of Environmental Protection values your feedback as a customer. DEP Secretary Mimi Drew 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.

Williams, Elizabeth

From: Michael Kaiser [mkaiser@wasteservicesinc.com]
Sent: Monday, October 25, 2010 3:02 PM
To: Williams, Elizabeth
Subject: RE: JED (015) application complete ltr 0510

Receipt acknowledged.

Thanks,

Mike Kaiser

Waste Services, Inc.
1099 Miller Drive
Altamonte Springs, Florida 32701
(904) 673-0446 [Cell]
mkaiser@wsii.us

From: Williams, Elizabeth [mailto:Elizabeth.Williams@dep.state.fl.us]
Sent: Monday, October 25, 2010 2:17 PM
To: Michael Kaiser
Cc: kbrown@golder.com; Don_Grigg@golder.com; Lubozynski, Tom; Janwadkar, Sandeep; Cheryan, George
Subject: JED (015) application complete ltr 0510

Attached is an Adobe Acrobat version of the "JED " 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.

Cover Florida, developed by Governor Charlie Crist and the Florida Legislature, gives Floridians access to more affordable health insurance options. To learn more or to sign up for email updates, visit www.CoverFloridaHealthCare.com.

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



Florida Department of Environmental Protection

3319 Maguire Boulevard, Suite 232
Orlando, FL 32803

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Mimi A. Drew
Secretary

By E-Mail
mkaiser@wsii.us

Mr. Mike Kaiser
Omni Waste of Osceola County, LLC (Omni)
1501 Omni Way,
St. Cloud, FL 34773

OCD-SW-10-0510

Osceola County – SW WACS # 89544
J.E.D Solid Waste Management Facility, Class I
Modification of GCCS System – Intermediate Modification
Addition of Horizontal Gas Collectors (Cell 7 through 10)
And GCCS/Leachate Sump Connections
Modification of Permit No. SO49-0199726-012
Permit Application No. SO49-0199726-015 – Complete

Dear Mr. Kaiser:

Your application for permit DEP File Number SO49-0199726-015 is considered complete. The original permit application was submitted on your behalf by Golder and Associates. It was dated July 21, 2010, and received by the Department on July 26, 2010. The final information received by the Department to make the permit application complete was dated October 25, 2010 and received via e-mail on October 25, 2010. The Department will make a final determination about the permit application no later than December 26, 2010.

If you have any questions, please contact me at (407) 893-3328 or by e-mail at tom.lubozynski@dep.state.fl.us.

Sincerely,

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

Date: October 25, 2010

FTL/gc/sj

cc:
Kevin S. Brown, P.E. – Golder Associates, kbrown@golder.com
Don Grigg, P.E. – Golder Associates, Don_Grigg@golder.com

TV
10-25-10

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

Administrative	
Discovery Compliance	
Cleanup	
Enforcement Legal	
Fiscal	
Permitting	X

County	Osceola
Facility ID #	89544
Document Date	
Received Date	
Doc Type	Permit Application Related
Contractor ID	
Facility Type	100 - Class I
Document Subject	Permit Application No. SO49-0199726-015, J.E.D. Landfill, Completion Letter

FILE Copy

Janwadkar, Sandeep

From: Grigg, Don [Don_Grigg@golder.com]
Sent: Monday, October 25, 2010 10:55 AM
To: Janwadkar, Sandeep
Cc: Michael Kaiser; Brown, Kevin; Henry, Virginia
Subject: Emailing: RAI1_Clarification-JED_Horizontal Mod.pdf
Attachments: RAI1_Clarification-JED_Horizontal Mod.pdf

Sandeep,

Please find attached electronically to this email the Clarifications to the First Request for Additional Information regarding the Horizontal Gas Collector and GCCS/Leachate Sump Connections Permit Application at the J.E.D. Solid Waste Management Facility. Note that we will be sending the hardcopy Drawing 32B under separate cover. Three hardcopy sets of both the Clarification Response and Drawing 32B will be shipped over-night to you at the FDEP Central District. Please let us know if you have any additional questions or comments. Thank you,

Don

Don Grigg, P.E. (Pennsylvania) | Senior Project Engineer | Golder Associates Inc.
9428 Baymeadows Road, Suite 400, Jacksonville, Florida, USA 32256
T: +1 (904) 363-3430 | D: (+1)(904) 363 3430 | F: +1 (904) 363-3445 | E: Don_Grigg@golder.com | www.golder.com

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RAI1_Clarification-JED_Horizontal Mod.pdf

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Do
10/25/2010



October 25, 2010

083-82734.12

Mr. Sandeep Janwadkar
Permitting Engineer
Florida Department of Environmental Protection
3319 Maguire Boulevard, Suite 232
Orlando, FL 32803-3767

**RE: RESPONSE TO FIRST REQUEST FOR ADDITIONAL INFORMATION CLARIFICATION
J.E.D. SOLID WASTE MANAGEMENT FACILITY
MODIFICATION OF GCCS SYSTEM – INTERMEDIATE MODIFICATION
ADDITION OF HORIZONTAL GAS COLLECTORS (CELL 7 THROUGH 10)
AND GCCS/LEACHATE SUMP CONNECTIONS
MODIFICATION OF PERMIT NUMBER S049-0199726-012
PERMIT APPLICATION NO. S049-199726-015**

Dear Mr. Janwadkar:

Golder Associates Inc. (Golder), on behalf of Omni Waste of Osceola County, LLC (Omni), has prepared the following clarifications to our Response to the First Request for Additional Information (RAI), dated September 24, 2010 submitted to the Florida Department of Environmental Protection (FDEP). A summary of associated correspondence follows:

- Solid Waste Permit Modification Application, Golder, July 21, 2010;
- First Request for Additional Information, FDEP, August 24, 2010;
- Response to the First Request for Additional Information, Golder, September 24, 2010 (RAI-1).

These clarifications are in response to a phone call between Omni, FDEP and Golder which took place on October 21, 2010. The format of this response includes the comment in italics followed by the responses in bold text. Responses may include references to attachments that follow. Note that revisions made to RAI-1 are shown via underline and strikethrough for the clarifications requested.

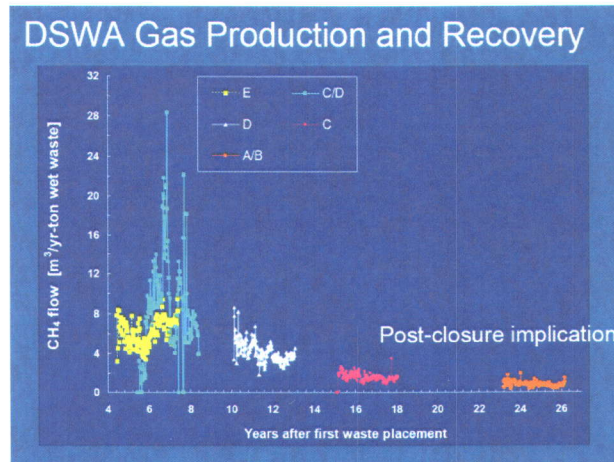
Comment 9 *Exhibit 2, Engineering Design Narrative, Appendix A, Design Calculations: Provide the source/reference used for the following constants used in your design calculations: $P_{landfill}$, Intrinsic Waste Permeability (K_i), Gas Generation Rate (GGR), Waste Density, and Dynamic Viscosity.*

Response 9 The landfill pressure is based on Golder's experience for landfill sites under steady state conditions and represents the generation of landfill gas under nominal cover conditions. We have measured this pressure in passive landfill vents. The intrinsic waste permeability was estimated using data from a paper entitled "Gas permeability and tortuosity for packed layers of processed municipal solid waste and incinerator residue", by Kallel et. al published in Waste Management and Research in 2004.

The graph on the following page is from a presentation from Dr. Mort Barlaz regarding the gas production and recovery at a Delaware landfill. During the first 8 to 10 years after waste placement, the gas generation rate tends to range between 4 and 8 cubic meters per year per ton of wet waste and decreases thereafter. Using a value of 6 cubic meters per year per ton of wet waste yields 0.1 cubic feet of gas per year per pound of waste as used in the calculations. The graph below illustrates different cells in the landfill that Dr. Barlaz analyzed for his



presentation. Please note that a value of 6 cubic meters per year per ton of wet waste was used as a conservative estimate for the average of the values from this graph.



The waste density is based on typical values measured using aerial surveys and waste acceptance values at modern solid waste landfills. The dynamic viscosity is based on a gas consisting of 50 percent methane and 50 percent carbon dioxide. Note that the calculation is not sensitive to this value and fluctuations would be expected under operating conditions.

Comment 10 Exhibit 2, Engineering Design Narrative, Appendix A, Design Calculations, LFG Extraction Well Horizontal Design and Spacing Calculations: The longest perforated pipe length is Well HGC-8; it is approximately 1005 feet long. Provide the basis for using 400, 500, and 600 feet H values in the calculations for well pressure and well ROI. Provide the revised calculations using H value of 1005 feet or explain why this H value of 1005 was not used in the design calculations related to well pressure and well ROI.

Response 10 The calculation presented uses the H value (for vertical wells total well depth) to estimate the associated radius of influence. In converting that calculation to estimate the zone of influence for HGCs, some compromises were required. The H value still represents total depth, but we have conservatively estimated it to be high (greater than the total waste thickness at the facility). We looked at three separate scenarios to illustrate variations in the zone of influence associated with various waste depths and then extrapolated this data to estimate ROI's for different pipe lengths. Note that these devices are temporary in nature, due to this the spacing (ROI) is not deemed critical. A revised calculation is provided for a well length of 1,005 feet. This calculation indicates an average flow of about 154 cfm with corresponding radii of influence values of 30 feet in the vertical direction and 90 feet in the horizontal direction at very low pressures (1-inch of water). Although these values are less than the spacing included with the design, the effects on the performance of the horizontal collection system are expected to be minimal for the following reasons:

- The design pressure value is very low, which is considered conservative and represents conditions towards the remote end of the well.
- The longest horizontal wells are deep within the landfill and any gas not intercepted by these wells will likely be intercepted by horizontal or vertical wells located at higher elevations than these wells.

Comment 17 Exhibit 3, Drawings, Drawing No. 32B of 40: Clarify why only two rows of horizontal gas collectors are recommended as part of this permit application located at approximate elevations of 95 feet NGVD and 180 feet NGVD of waste in Cells 7 through 10. The Department Solid Waste Permit Nos SC49-0199726-006 and SO49-0199726-007 issued on April 04, 2008, in the modified Specific Condition No. A states that the final maximum top elevation for Cells 1-21 has been modified from 178 feet NGVD to 330 ft NGVD.

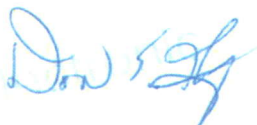
- b. Additionally, the Sections C-32B and D-32B show final covers for Cells 7 and 8 and Cells 9 and 10 at elevations of approximately 220 feet NGVD elevations instead of 330 feet NGVD. Clarify this discrepancy and if necessary submit the revised drawing.

Response 17b Sections C-32B and D-32B (as shown on Drawings Nos 29B and 32B) are cut roughly parallel to the contours of the final cover system. Omni and Golder acknowledge that the permitted final cover elevation is 330 feet NGVD, it is not at the locations shown in the application package. ~~No revisions to the drawings were made in support of this comment.~~ Drawing 32B has been revised to indicate the top of waste for clarification.

Golder has prepared these clarifications on behalf of, and with input from, Omni staff. We hope these clarifications and the changes made to the application, as attached, are satisfactory to FDEP. If you have any questions on the contents of these responses, please don't hesitate to call Mike Kaiser at (904) 673-0446 or either of the undersigned.

Sincerely,

GOLDER ASSOCIATES INC.



Don E. Grigg, P.E.
Senior Project Engineer



Kevin S. Brown, P.E.
Senior Consultant and Associate
Florida Professional Engineer No. 57819

cc: Mr. Mike Kaiser, Omni Waste of Osceola County, LLC

Attachments: Attachment 1 Additional ROI Calculation – 1,005 feet
Attachment 2 Revised Drawing 32B (under separate cover)

FN: G:\Projects\083\083-82\083-82734\083-82734.12\250_Final_Reports\Oct Clarification\RAI1 Clarification-JED Horizontal Mod.docx

ATTACHMENT 1

LFG HORIZONTAL EXTRACTION WELL VERTICAL DESIGN AND SPACING

Equations and Input

Gas Interception Equation

$$Q = \pi(ROI)^2(GGR)(\gamma_{waste})(H)$$

Steady State Radial Flow Equation

$$\frac{Q}{H} = \pi \frac{k_i}{\mu} P_w \frac{\left[1 - \left(\frac{P_{Landfill}}{P_w}\right)^2\right]}{\ln\left(\frac{R_w}{ROI}\right)}$$

Constant Parameters:

k_i =	5.00E-13	m ² (Intrinsic Waste Permeability (LFG))
P_{atm} =	30	inches Hg (Atmospheric Pressure)
	101,592	Pa (Absolute)
P_{water} =	3	inches water (Landfill Pressure)
	102,338	Pa (Absolute)
R_w =	4	inches (well radius)
	0.1016	meters
GGR =	0.1	ft ³ /lb-yr (gas generation rate)
	2.02E-11	m ³ /N-S
γ_{waste} =	1501.2	lbs/yd ³ (waste unit weight)
	8737.0	N/m ³
μ =	1.32E-05	kg/m-s (gas viscosity)

Q = Well Flow
 H = Well Depth
 k_i = Intrinsic Permeability of waste
 μ = Dynamic Viscosity of LFG
 $P_{Landfill}$ = Landfill Pressure (absolute pressure)
 P_w = Wellhead Pressure (absolute pressure)
 R_w = Radius of Extraction Well
 ROI = Well Radius of Influence

Determine Well ROI based on assumed flows using gas interception equation

H = 1005		ft	
306.324		m	
Q (cfm)	Q (cu. m/s)	ROI (m)	ROI (ft)
30	1.42E-02	9.1	30.0
60	2.83E-02	12.9	42.4
90	4.25E-02	15.8	51.9
120	5.66E-02	18.3	60.0
150	7.08E-02	20.4	67.0
180	8.50E-02	22.4	73.4
210	9.91E-02	24.2	79.3
240	1.13E-01	25.8	84.8
270	1.27E-01	27.4	89.9
300	1.42E-01	28.9	94.8
330	1.56E-01	30.3	99.4
360	1.70E-01	31.7	103.9

Determine Well Pressure given ROI and Flows using Steady State Radial Flow Equation

H =	1005	ft						
	306.324	m						
Pressure (Pa, Absolute)	Pressure (in. water, gauge)	ROI (m)	(κ_k)/ μ	$\ln(R_w/ROI)$	Q/H	Q/H	Q (cfm)	
101468.0163	-0.5	9.1	1.19E-07	-4.499184636	4.62E-05	4.62E-05	30	
100473.0916	-4.5	12.9	1.19E-07	-4.845758226	9.25E-05	9.25E-05	60	
99438.73227	-8.7	15.8	1.19E-07	-5.04849078	1.39E-04	1.39E-04	90	
98383.61936	-12.9	18.3	1.19E-07	-5.192331816	1.85E-04	1.85E-04	120	
97316.83042	-17.2	20.4	1.19E-07	-5.303903592	2.31E-04	2.31E-04	150	
96243.82634	-21.5	22.4	1.19E-07	-5.39506437	2.77E-04	2.77E-04	180	
95168.28627	-25.8	24.2	1.19E-07	-5.47213971	3.24E-04	3.24E-04	210	
94092.87112	-30.1	25.8	1.19E-07	-5.538905407	3.70E-04	3.70E-04	240	
93019.60082	-34.4	27.4	1.19E-07	-5.59796924	4.16E-04	4.16E-04	270	
91950.06298	-38.7	28.9	1.19E-07	-5.650477182	4.62E-04	4.62E-04	300	
90885.53815	-43.0	30.3	1.19E-07	-5.698132272	5.08E-04	5.08E-04	330	
89827.07958	-47.3	31.7	1.19E-07	-5.741637961	5.55E-04	5.55E-04	360	

LFG HORIZONTAL EXTRACTION WELL HORIZONTAL DESIGN AND SPACING

Equations and Input

Gas Interception Equation

$$Q = \pi(ROI)^2(GGR)(\gamma_{waste})(H)$$

Constant Parameters:

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	102,338	Pa (Absolute)
R_w =	4	inches (well radius)
	0.1016	meters
GGR =	0.1	ft ³ /lb-yr (gas generation rate)
	2.02E-11	m ³ /N-S
γ_{waste} =	1501.2	lbs/yo ³ (waste unit weight)
	8737.0	N/m ³
μ =	1.32E-05	kg/m-s (gas viscosity)

Steady State Radial Flow Equation

$$\frac{Q}{H} = \pi \frac{k_i}{\mu} P_w \left[1 - \left(\frac{P_{Landfill}}{P_w} \right) \right] \ln \left(\frac{R_w}{ROI} \right)$$

Q = Well Flow
H = Well Depth
 k_i = Intrinsic Permeability of waste
 μ = Dynamic Viscosity of LFG
 $P_{Landfill}$ = Landfill Pressure (absolute pressure)
 P_w = Wellhead Pressure (absolute pressure)
 R_w = Radius of Extraction Well
ROI = Well Radius of Influence

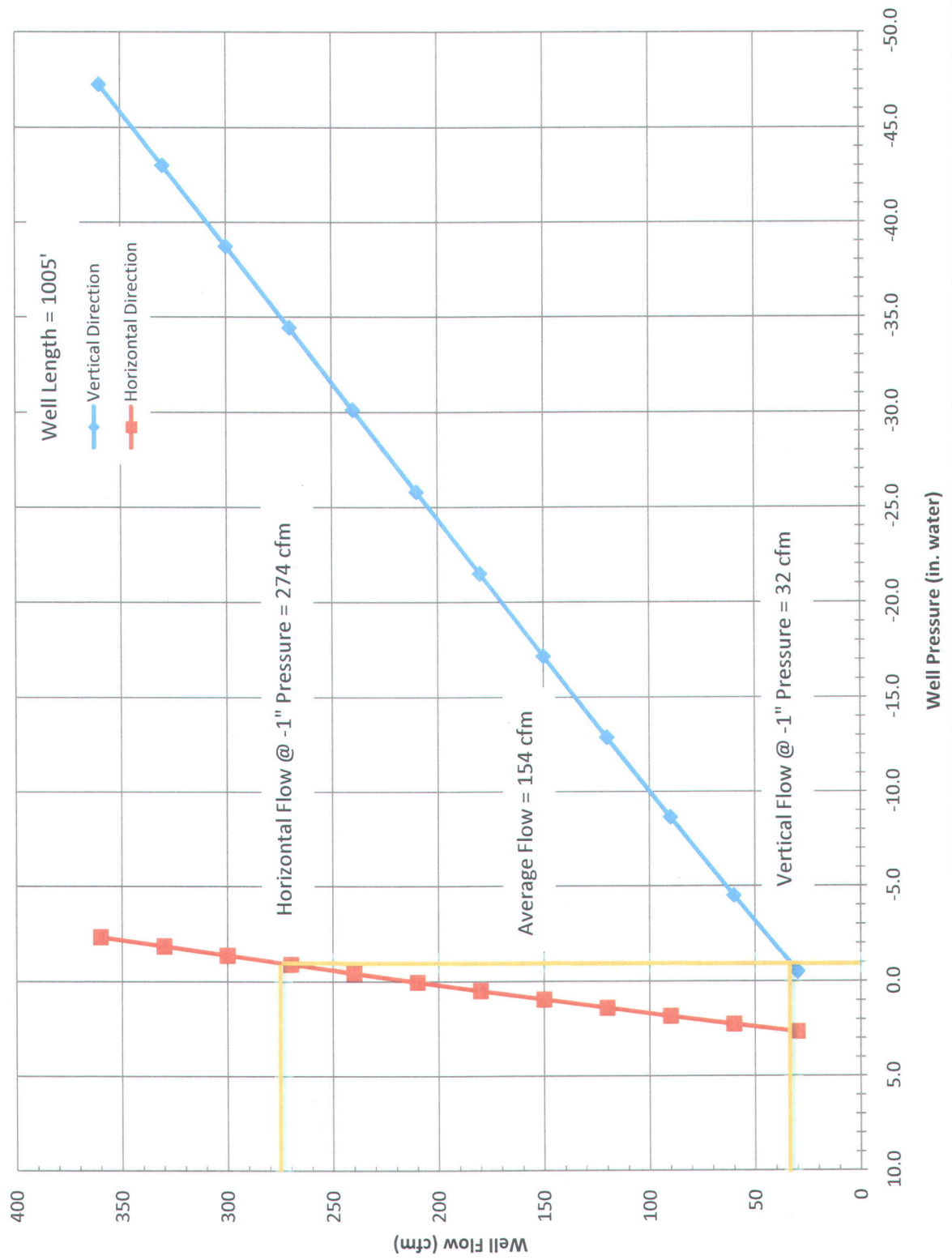
Determine Well ROI based on assumed flows using gas interception equation

H =	1005	ft	
	306.324	m	
Q (cfm)	Q (cu. m/s)	ROI (m)	ROI (ft)
30	1.42E-02	9.1	30.0
60	2.83E-02	12.9	42.4
90	4.25E-02	15.8	51.9
120	5.66E-02	18.3	60.0
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270	1.27E-01	27.4	89.9
300	1.42E-01	28.9	94.8
330	1.56E-01	30.3	99.4
360	1.70E-01	31.7	103.9

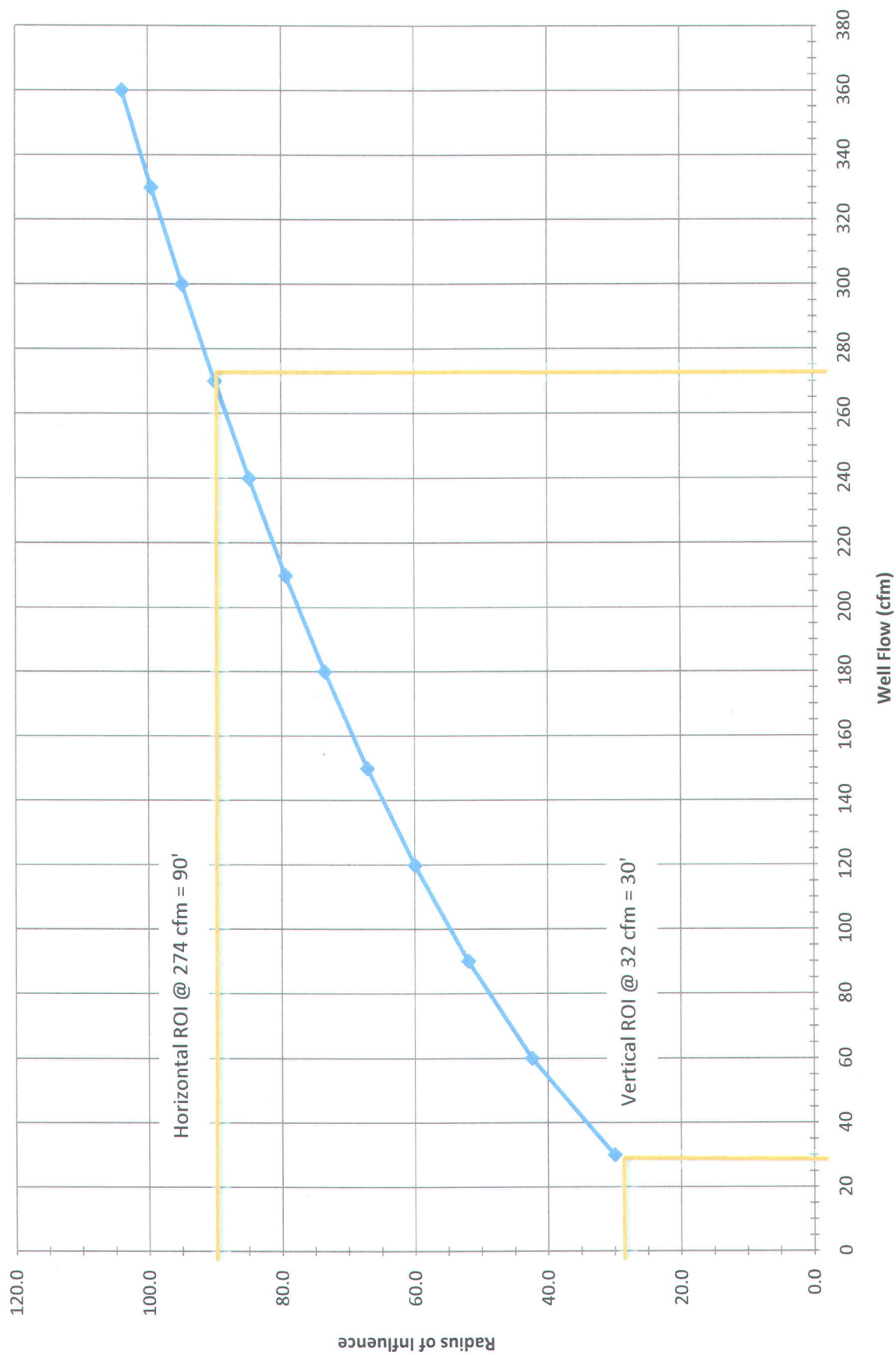
Determine Well Pressure given ROI and Flows using Steady State Radial Flow Equation

H =	1005	R					
	306.324	m					
Pressure (Pa, Absolute)	Pressure (in. water, gauge)	ROI (m)	$(n_k)/\mu$	$\ln(R_w/ROI)$	Q/H	Q/H	Q (cfm)
102250.8098	2.6	9.1	1.19E-06	-4.499184636	4.62E-05	4.62E-05	30
102150.0952	2.2	12.9	1.19E-06	-4.845758226	9.25E-05	9.25E-05	60
102044.413	1.8	15.8	1.19E-06	-5.04849078	1.39E-04	1.39E-04	90
101935.5533	1.4	18.3	1.19E-06	-5.192331816	1.85E-04	1.85E-04	120
101824.3688	0.9	20.4	1.19E-06	-5.303903592	2.31E-04	2.31E-04	150
101711.3627	0.5	22.4	1.19E-06	-5.39506437	2.77E-04	2.77E-04	180
101596.8685	0.0	24.2	1.19E-06	-5.47213971	3.24E-04	3.24E-04	210
101481.1236	-0.4	25.8	1.19E-06	-5.538905407	3.70E-04	3.70E-04	240
101364.3063	-0.9	27.4	1.19E-06	-5.59796924	4.16E-04	4.16E-04	270
101246.555	-1.4	28.9	1.19E-06	-5.650477182	4.62E-04	4.62E-04	300
101127.9807	-1.9	30.3	1.19E-06	-5.698132272	5.08E-04	5.08E-04	330
101008.6744	-2.3	31.7	1.19E-06	-5.741637961	5.55E-04	5.55E-04	360

Well Flow versus Well Pressure



Radius of Influence vs. Well Flow

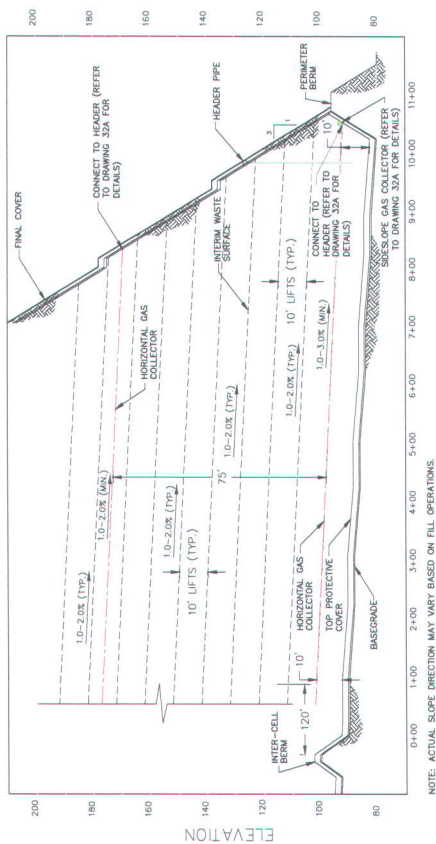


ATTACHMENT 2

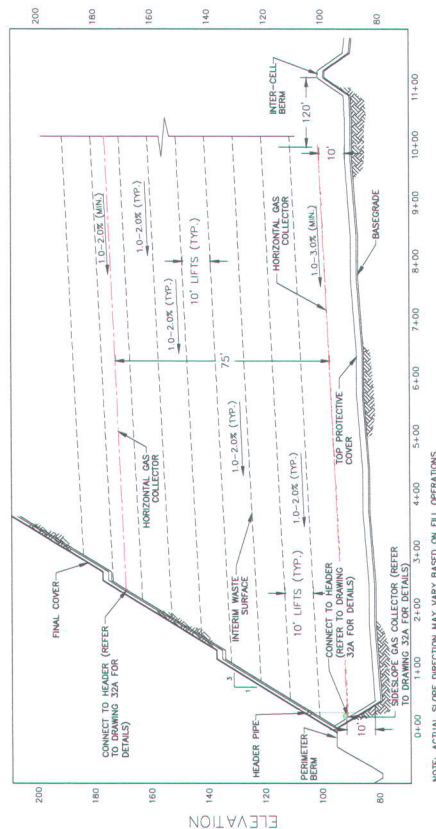
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FILE No.	08362734D032B	
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DESIGN	DEG	03/23/10
CADD	BCL	09/03/10
CHECK	DEG	
REVIEW		

DRAWING

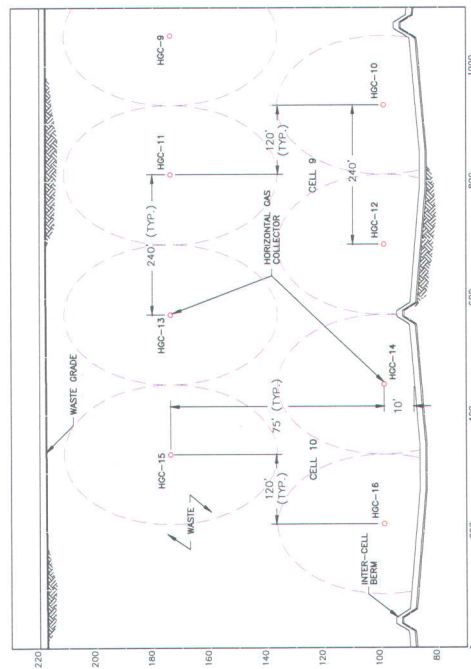
32B OF 40



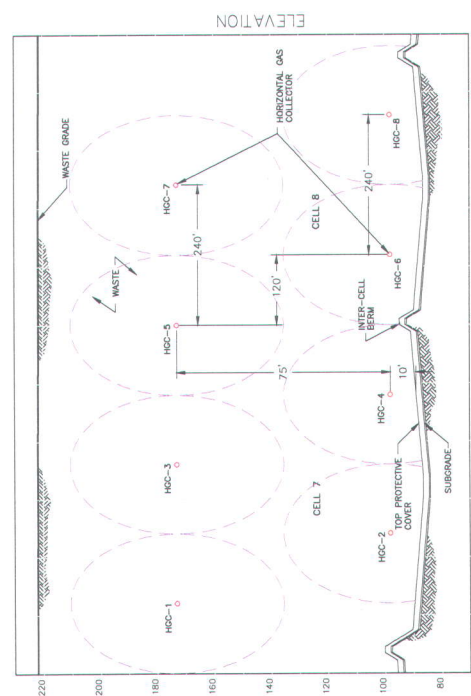
B CELLS 9 & 10 TYPICAL CROSS SECTION



A CELLS 7 & 8 TYPICAL CROSS SECTION



D SECTION THRU CELLS 9 AND 10



C SECTION THRU CELLS 7 AND 8

NOTES:

1. ACTUAL SLOPE DIRECTION MAY VARY BASED ON FILL OPERATIONS.
2. NUMBER SEQUENCE OF HORIZONTAL COLLECTORS MAY VARY DEPENDING ON ORDER OF INSTALLATION. NUMBERING WILL BE CONSECUTIVE AS INSTALLATION OCCURS.

NOTES:

1. ACTUAL SLOPE DIRECTION MAY VARY BASED ON FILL OPERATIONS.
2. NUMBER SEQUENCE OF HORIZONTAL COLLECTORS MAY VARY DEPENDING ON ORDER OF INSTALLATION. NUMBERING WILL BE CONSECUTIVE AS INSTALLATION OCCURS.

File Copy

Janwadkar, Sandeep

From: Michael Kaiser [mkaiser@wasteservicesinc.com]
Sent: Thursday, October 21, 2010 7:54 AM
To: Janwadkar, Sandeep; Kirk Wills
Cc: Cheryan, George
Subject: RE: Cell 7 Certification Report - Clarification reg. Permeant

Sandeep:

We'll look into it.

Thanks,

Mike Kaiser

Waste Services, Inc.
1099 Miller Drive
Altamonte Springs, Florida 32701
(904) 673-0446 [Cell]
mkaiser@wsii.us

From: Janwadkar, Sandeep [mailto:Sandeep.Janwadkar@dep.state.fl.us]
Sent: Wednesday, October 20, 2010 3:26 PM
To: Kirk Wills
Cc: Michael Kaiser; Cheryan, George
Subject: Cell 7 Certification Report - Clarification reg. Permeant

Hello Kirk,

George and I would like to thank you and Mike Kaiser for meeting with us today at the JED site to go over Cell 7 certification report and site visit. I looked into the issue related to the Permeant Fluid discussion and have attached the reference material. It was located in Appendix F and relates to rigid wall permeability test results (second page of the attachment). It states the permeant liquid used was TW (tap water). I do also want to clarify that it was related to Soil testing and not the GCL testing. The GCL testing was performed as described on Page 5-2 first full paragraph and matches with the results presented in Appendix H. I am not sure about the soil hydraulic conductivity testing using the tap water? If ASTM 2434 allows for use of tap water then your results are acceptable. If not, please provide any additional clarification that you may have related to the use of tap water instead of deionized water/leachate for lab testing of soil samples used during cell construction.

Thanks
Sandeep
407-893-3328

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8/0 10/22/2010

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Janwadkar, Sandeep

From: Michael Kaiser [mkaiser@wasteservicesinc.com]
Sent: Monday, October 18, 2010 10:37 AM
To: Janwadkar, Sandeep
Subject: RE: JED Facility - Cell 7 Construction Completion Inspection

Okay, see you then.

Mike Kaiser
Waste Services, Inc.
1099 Miller Drive
Altamonte Springs, Florida 32701
(904) 673-0446 [Cell]
mkaiser@wsil.us

From: Janwadkar, Sandeep [mailto:Sandeep.Janwadkar@dep.state.fl.us]
Sent: Monday, October 18, 2010 10:31 AM
To: Michael Kaiser
Cc: Cheryan, George; Kirk Wills
Subject: RE: JED Facility - Cell 7 Construction Completion Inspection

Mike,

Wednesday 10:00 AM is fine with us. See u at the site.

Sandeep

From: Michael Kaiser [mailto:mkaiser@wasteservicesinc.com]
Sent: Friday, October 15, 2010 12:21 PM
To: Janwadkar, Sandeep
Cc: Cheryan, George; Kirk Wills
Subject: RE: JED Facility - Cell 7 Construction Completion Inspection

Sandeep:

Wednesday at 10:00 a.m. works on our end, however Ken Cargill (Certifying Engineer for Cell 7) cannot make it. Kirk Wills of EPS was the Project Manager during construction of Cell 7 and prepared a majority of the CQA document under the direction of Ken. He would be available and would be better off answering any questions you have. Would someone need to be present for the GCCS work? I can answer questions for that work if needed. Please let me know if this works.

Thanks,

Mike Kaiser
Waste Services, Inc.
1099 Miller Drive
Altamonte Springs, Florida 32701
(904) 673-0446 [Cell]
mkaiser@wsil.us

JK
10/18/2010

From: Janwadkar, Sandeep [mailto:Sandeep.Janwadkar@dep.state.fl.us]
Sent: Thursday, October 14, 2010 9:24 AM
To: Michael Kaiser
Cc: Cheryan, George
Subject: JED Facility - Cell 7 Construction Completion Inspection

Dear Mr. Kaiser,

George and I were looking at next week Oct 19-21 for site visit to JED to inspect the Cell 7 Construction Completion and the GCCS Phase I - Sequence 3A. Could you please let me know of your availability. We would also prefer to have the Engineer of Record available during the inspection. If next week is not suitable for you, please let us know of your availability for the following week i.e., Oct 21-23.

Sandeep
407-893-3328 Ext 2313

The Department of Environmental Protection values your feedback as a customer. DEP Secretary Mimi Drew 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.

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PERMIT DATA FORM

CHECK IF NEW: _____

MOD ☒ NEW ☐ RENEWAL ☐

SITE WAFR # AIR # 49-0199726

SITE/WAFER/FACILITY NAME: Cash Hammock Disposal Inc

PROJECT NAME: _____

DESC: _____

TYPE CODE: SO SUBCODE: MM CHECK IF GP ☐ EXEMPT ☐ NPDES ☐

CORRECT FEE: \$250 -

PROCESSOR: He

AMOUNT RCV'D: 250 -

WACS # 89544

AMOUNT REFUND: _____

MONIES DUE: _____

Memorandum

Florida Department of
Environmental Protection

TO: G. DePRADINE

FROM: T. LUBOZYNSKI, P.E.

DATE: SEPTEMBER 27, 2010

SUBJECT: County: OSCEOLA

Permit/~~OGC~~: MODIF. OF S049-0199726-012
PERMIT APPL^N S049-0199726-015

Facility: J.E.D. SWMF, CLASS I

Attachment: ☒ HORIZONTAL GAS COLLECTORS (CELL 7-10) & GCCS LEACHATE
☒ SUMP CONNECTIONS - INTERMEDIATE 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 OCTOBER 15, 2010)

☐ As soon as possible for your schedule.

Comments: _____

cc: S. JANWADKAR, P.E.



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@wsii.us

Mr. Mike Kaiser
Omni Waste of Osceola County, LLC (Omni)
1501 Omni Way,
St. Cloud, FL 34773

OCD-SW-010-0424

Osceola County – SW WACS # 89544
J.E.D Solid Waste Management Facility, Class I
Modification of GCCS System – Intermediate Modification
Addition of Horizontal Gas Collectors (Cell 7 through 10)
And GCCS/Leachate Sump Connections
First Request for Additional Information
Modification of Permit No. SO49-0199726-012
Permit Application No. SO49-0199726-015

Dear Mr. McCash:

Golder Associates, submitted on your behalf, "Horizontal Gas Collectors and GCCS/Leachate Sump Connections Intermediate Permit Modification". It was dated July 21, 2010, and received by the Department on July 26, 2010. We have assigned permit number SO49-0199726-015 to the application. The application 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 or by e-mail at Tom.Lubozynski@dep.state.fl.us.

Sincerely,

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

Date: August 24, 2010

FTL/gc/sj

Enclosure

cc:

Kevin S. Brown, P.E. – Golder Associates, kbrown@golder.com

Note that all references to "Report" in the following text refer to the document entitled, "Horizontal Gas Collectors and GCCS/Leachate Sump Connections Intermediate Permit Modification, J.E.D. Solid Waste Management Facility", Prepared by: Golder Associates Inc., 9428 Baymeadows Road, Suite 400, Jacksonville, FL 32256 dated July 2010.

1. **DEP Form 62-701.900(1), Page 33 of 39, Item N.3, Provide Documentation describing how the gas remediation plan and odor remediation plan will be implemented (62-701.530(3), FAC):** You have checked two boxes marked S and N/C for this item. If S is correct, please submit the corrected page with information about where in the application the information is located. If N/C is correct, we can make that correction for you. Or, you can submit a corrected page.
2. **Exhibit 2, Engineering Design Narrative, Page 1, Section 1.0, Background, Third Paragraph:** No design data and calculations were presented to show how the current capacity of the GCCS system (including the anticipated flow rates, condensate management, flare system capacities, mechanical, and electrical systems) is sufficient to handle the additional gas flow anticipated from 16 new horizontal gas collectors, 4 sideslope gas collectors, some leachate sumps and adjoining cleanout risers. Please submit the additional information.
3. **Exhibit 2, Engineering Design Narrative, Page 2, Section 2.0, Design Information:** The last sentence states that the existing sumps and leachate cleanout risers are providing a significant source of landfill gas generated from the adjacent waste mass. What assumptions were used to determine the amount of gas flow necessary to adequately remove landfill gas from the existing sumps and leachate cleanout risers?
4. **Exhibit 2, Engineering Design Narrative, Page 3, Last Paragraph:** The last sentence states that the horizontal gas collectors will be terminated approximately 120 feet from the interior cell limit (from the first layer of HGCs) in order to stagger the wells. Clarify the following:
 - a. Is the end cap for each run of HGC a solid cap or perforated cap?
 - b. Provide the basis for the assumption that the horizontal radius of influence (ROI) will extend 120 feet horizontally past either end of the each HGC pipe.
5. **Exhibit 2, Engineering Design Narrative, Page 5, Section 2.1.2, HGC Pipe Sizing:** The second bullet states that the well flow is assumed to be approximately 0.2 cfm per foot of well screen. Clarify if the well flow unit is standard cubic feet per minute (scfm) or actual cubic feet per minute (acfm). Provide the data in scfm units that includes correction factor for field conditions.
6. **Exhibit 2, Engineering Design Narrative, Page 7, Section 2.2.1, SSC Pipe Sizing:** The second bullet states that the well flow is assumed to be approximately 0.1 cfm per foot of well screen. Clarify if the well flow unit is standard cubic feet per minute (scfm) or actual cubic feet per minute (acfm). Provide the data in scfm units that includes correction factor for field conditions.
7. **Exhibit 2, Engineering Design Narrative, Page 7, Section 2.3, Leachate Collection System Tie-In:** The third sentence states that the proposed design includes connections to select leachate cleanout risers located adjacent to the leachate sump pads. However, the first sentence of the third paragraph states that at each sump station, all sumps (Secondary, Primary No. 1, Primary No. 2) and associated leachate collection system cleanout riser will be connected to the GCCS via a single wellhead. Clarify the conflicting statements. Additionally, correct the monitoring point table provided on this page to reflect uniform labeling (i.e., LCS versus LSC). Show these locations on the drawings submitted in Exhibit 3.

8. **Exhibit 2, Engineering Design Narrative, Page 7, Section 2.4, Design Life:** Provide additional information related to the following:
 - a. Maintenance procedures that will be used during the operating life of the horizontal gas collectors (HGC), including what actions will be taken to prevent "watering-in".
 - b. What field data will be collected from each HGC to determine whether it is operating correctly?
 - c. Procedures that will be used to revive an HGC if the field operating data indicates that the HGC is inoperable due to "watering-in".
 - d. If the HGC will not be revived in the event of watering in, describe the process that will be used to abandon the HGC in place, associated well heads, and piping.
9. **Exhibit 2, Engineering Design Narrative, Appendix A, Design Calculations:** Provide the source/reference used for the following constants used in your design calculations: $P_{landfill}$, Intrinsic Waste Permeability (K_i), Gas Generation Rate (GGR), Waste Density, and Dynamic Viscosity.
10. **Exhibit 2, Engineering Design Narrative, Appendix A, Design Calculations, LFG Extraction Well Horizontal Design and Spacing Calculations:** The longest perforated pipe length is Well HGC-8; it is approximately 1005 feet long. Provide the basis for using 400 feet, 500 feet, and 600 feet H values in the calculations for well pressure and well ROI. Provide the revised calculations using H value of 1005 feet or explain why this H value of 1005 ft was not used in the design calculations related to well pressure and well ROI.
11. **Exhibit 2, Engineering Design Narrative, Appendix A, Design Calculations, Horizontal Gas Well Design Calculations:** Provide the source/reference for the Q value (120 cfm) used in the calculation of head loss using the Darcy-Weisbach Equation. If the well flow is 0.20 cfm/ft of perforated pipe and well HGC-8 has slotted length of 1005 feet, this equates to approximately 200 cfm. Additionally, clarify the conflicting statements provided in the "Given Information/Assumptions Section" that indicates SDR 17 pipe is used to calculate Pipe Area and the very last sentence in this section that states SDR 11 HDPE pipe will be used for the wells. Provide the revised calculations based on the correct pipe type that will be used for Horizontal Gas Well Design.
12. **Exhibit 2, Engineering Design Narrative, Appendix A, Design Calculations, Horizontal Gas Well Design Calculations:** The second set of horizontal gas well design calculations presented in Appendix A using well flow of 0.10 cfm/ft of perforated pipe appears to have error in Step 2 of the calculation (Solve the Bernoulli equation to determine the pressure at the end of the horizontal well.) Specifically, the h_L (head loss) value used in the equation should be -1516.01 ft gas instead of -735.77 ft gas. Additionally, the Z_1 and Z_2 (elevation head) values used in this calculation appears to be very similar to the previous data set (i.e., using well flow of 0.20 cfm/ft of perforated pipe). Clarify this discrepancy and, if necessary, submit the corrected page.
13. **Exhibit 3, Drawings, Drawing No. 29A and 29B of 40:** Review of the Drawings 29A and 29B show only two side slope collectors. However, Section 2.2 titled Sideslope Gas Collection Wells, on page 6 of Exhibit 2, shows a Table with well identifications SSC-1 through SSC-4. These wells are not marked or identified on Drawing 29A or 29B of 40. Submit the revised corrected drawings that show these sideslope gas collection wells. Additionally, show if these side slope gas collection wells are tied to existing headers or new headers will be installed and connected to the flare stations.
14. **Exhibit 3, Drawings, Drawing No. 29B of 40:** The Legend refers to Note 5 and Note 6 for information related to Wetland Boundary and 100-Year Floodplain. However, there is no Note 5 or 6 in the Notes section. It appears that Notes 5 and 6 refers to Reference Nos. 3 and 4. Please submit the corrected drawing or if you prefer the Department can make this correction for you. Additionally, clarify if more recently updated 100-year flood-plain map is available for this site.

The 100-year flood-plain information presented on Drawing No. 29B is based on map dated January 9, 2002.

15. **Exhibit 3, Drawings, Drawing No. 32A of 40:** The typical section of 10" diameter HDPE Horizontal Gas Collector shown on Section 2/32A is confusing. It appears that the Geotextile wrap should be around the 10" diameter pipe as shown on Section 1/32A and not on top of the trench as shown on Section 2/32A. Please clarify or, if necessary, submit the corrected drawing.
16. **Exhibit 3, Drawings, Drawing No. 32B of 40:** Refer to Sections C/32B and D/32B. Show the locations of the proposed vertical gas extraction wells on these sectional drawings. Drawing No. 29A of 40 shows the location of the vertical gas extraction wells in cells 7 through 10. Additionally, provide a drawing that shows the radius of influence (ROI) associated with the proposed horizontal gas collectors and also the vertical gas extraction wells for cells 7 through 10. The Department recognizes that the ROI for the horizontal gas well collectors are elliptical and difficult to depict on a drawing. An approximation of these details is acceptable.
17. **Exhibit 3, Drawings, Drawing No. 32B of 40:** Clarify why only two rows of horizontal gas collectors are recommended as part of this permit application located at approximate elevations of 95 feet NGVD and 180 feet NGVD of waste fill in Cells 7 through 10. The Department Solid Waste Permit Nos. SC49-0199726-006 and SO49-0199726-007 issued on April 04, 2008, in the modified Specific Condition No. A states that the final maximum top elevation for Cells 1-21 has been modified from 178 feet NGVD to 330 ft NGVD.
 - a. Will there be additional horizontal gas well collectors added as more waste lifts are added beyond 180 feet NGVD elevation?
 - b. Additionally, the Sections C/32B and D/32B show final covers for Cells 7 and 8 and Cells 9 and 10 at elevations of approximately 220 feet NGVD elevations instead of 330 feet NGVD. Clarify this discrepancy and if necessary submit the revised drawing.

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

Administrative	
Discovery Compliance	
Cleanup	
Enforcement Legal	
Fiscal	
Permitting	X

County	Osceola
Facility ID #	89544
Document Date	
Received Date	
Doc Type	Permit Application Related
Contractor ID	
Facility Type	100 - Class I
Document Subject	Permit Application No. SO49-0199726-015, J.E.D. Landfill, First RAI

Williams, Elizabeth

From: Michael Kaiser [mkaiser@wasteservicesinc.com]
To: Williams, Elizabeth
Sent: Tuesday, August 24, 2010 1:55 PM
Subject: Read: J.E.D. first rai ltr 0424

Your message was read on Tuesday, August 24, 2010 1:55:23 PM (GMT-05:00) Eastern Time (US & Canada).

FO
8-24-10

Cheryan, George

From: Cheryan, George
Sent: Monday, August 16, 2010 10:48 AM
To: 'mkaiser@wsii.us'
Cc: Lubozynski, Tom; DePradine, Gloria-Jean; Janwadkar, Sandeep
Subject: JED ASR Recycling Operations.

We have not requested a Certificate of Construction Completion for the ASR because the facility is mobile and will be moved to different locations at the landfill . Gloria-Jean DePradine will be inspecting both the Waste Tire Storage and the ASR facility. You can provide her with the documents that will facilitate the inspection.

Cheryan, George

From: Lubozynski, Tom
Sent: Friday, August 13, 2010 9:46 AM
To: Cheryan, George
Cc: Janwadkar, Sandeep; 'Michael Kaiser'
Subject: FW: JED ASR Recycling Operations
Attachments: Final Issued Permit Mod SO49-0199726-012.pdf

George – please answer. I will place original e-mail in Oculus.

Tom

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: Michael Kaiser [mailto:mkaiser@wasteservicesinc.com]
Sent: Thursday, August 12, 2010 4:06 PM
To: Lubozynski, Tom
Cc: Dennis Pantano; Matt Orr
Subject: JED ASR Recycling Operations

Mr. Lubozynski:

The attached permit modification for the ASR Recycling and Waste Tire Storage Operations at the JED Solid Waste Management Facility contains a specific condition requiring certification of construction of the waste tire storage operations (which has been submitted). This requirement is not a condition of the ASR mod. Can you please confirm whether you are or are not expecting a certification of construction for the ASR Operations. I don't want to miss anything.

Thanks,

Mike Kaiser
Waste Services, Inc.
1099 Miller Drive
Altamonte Springs, Florida 32701
(904) 673-0446 [Cell]
mkaiser@wsii.us

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.

Memorandum

Florida Department of
Environmental Protection

TO: G. DePRADINE

FROM: T. LUBOZYNSKI, P.E.

DATE: July 27, 2010

SUBJECT: County: OSCEOLA

Permit/OGG: MODIF. OF 5049-0199726-012
PERMIT APPL^N 5049-0199726-015

Facility: J.E.D. SOLID WASTE MANAGEMENT FACILITY, CLASS I
HORIZONTAL GAS COLLECTORS (CELL 7-10) & GCS LEACHATE SUMP.

Attachment: ✓ CONNECTIONS - INTERMEDIATE 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 AUGUST 13, 2010)

☐ As soon as possible for your schedule.

Comments: The applicant agrees to comply with all TV permit
and NSPS, submit waw for these 16 HGC. There are no
additional air concerns. The design plan approval is done by SW.
C. Shine

cc: C. SHINE
S. JANWADKAR, P.E.

Memorandum

Florida Department of
Environmental Protection

TO: G. DePRADINE

FROM: T. LUBOZYNSKI, P.E.

DATE: July 27, 2010

SUBJECT: County: OSCEOLA

Permit/EGG: MODIF. OF 5049-0199726-012
PERMIT APPL^N 5049-0199726-015

Facility: J.E.D. SOLID WASTE MANAGEMENT FACILITY, CLASS I
HORIZONTAL GAS COLLECTORS (CELL 7-10) & GCCS LEACHATE SUMP

Attachment: ✓ CONNECTIONS - INTERMEDIATE MODIF.

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☐ Information only

☒ Review and comments

If review comments are needed, please respond:

☒ By:

(Solid Waste deadline is AUGUST 13, 2010)

☐ As soon as possible for your schedule.

Comments: _____

cc: C. SHINE
S. JANWADKAR, P.E.

ORIZONTAL GAS COLLECTORS AND SCS/LEACHATE SUMP CONNECTIONS INTERMEDIATE PERMIT MODIFICATION

**J.E.D. SOLID WASTE MANAGEMENT FACILITY
ST. CLOUD, OSCEOLA COUNTY, FLORIDA**

Prepared for:



**OMNI WASTE OF OSCEOLA
COUNTY, LLC
1501 OMNI WAY
ST. CLOUD, FLORIDA 34773
TEL: 407-891-3720 FAX: 407-891-3730**

Prepared by:



Jacksonville, Florida

PERMIT DATA FORM

CHECK IF NEW: _____

MOD ☒ NEW _____ RENEWAL _____

SITE WAFR # AIR # 49-0199726

SITE/WAFER/FACILITY NAME: ~~GED~~ Oak Hammock Disposal

PROJECT NAME: _____

DESC: _____

TYPE CODE: SO SUBCODE: IM

CHECK IF GP _____ EXEMPT _____ NPDES _____

CORRECT FEE: \$ 5000-

PROCESSOR: HL

AMOUNT RCV'D: 5000-

WACS # 89544

AMOUNT REFUND: _____

MONIES DUE: _____

Williams, Elizabeth

From: Michael Kaiser [mkaiser@wasteservicesinc.com]
Sent: Thursday, July 22, 2010 9:40 AM
To: Levin, Laxsamee
Cc: Kirk Wills; Mwisler@geosyntec.com; Lubozynski, Tom; Heidorn, Marjorie; Williams, Elizabeth; Shawn McCash; Matt Orr
Subject: RE: OCD-SW-10-0387 J.E.D. WACS I.D. 89544

Ms. Levin:

I will work with Geosyntec to submit the missing information noted below as soon as possible.

Thanks,

Mike Kaiser

Waste Services, Inc.
1099 Miller Drive
Altamonte Springs, Florida 32701
(904) 673-0446 [Cell]
mkaiser@wsii.us

From: Levin, Laxsamee [mailto:Laxsamee.Levin@dep.state.fl.us]
Sent: Wednesday, July 21, 2010 7:41 PM
To: Michael Kaiser
Cc: Kirk Wills; Mwisler@geosyntec.com; Lubozynski, Tom; Heidorn, Marjorie; Williams, Elizabeth
Subject: OCD-SW-10-0387 J.E.D. WACS I.D. 89544

Dear Mr. Kaiser:

The Department received 10th and 11th Semi-annual Water Quality Monitoring Reports on 9/4/2009 and 2/22/2010 respectively. The reports were prepared and submitted by Geosyntec Consultants for the landfill stated in the subject line above. The reports represent semi-annual sampling in May 2009 and November 2009. Tallahassee Solid Waste Section performed quality assurance review of electronic data and database transfer. District Solid Waste Program reviewed the reports to ensure compliance with the permit, water quality monitoring plan and state water quality standards. Below are our findings and comment.

1. Ground Water Monitoring Report Certification Form was missing from the 10th Semi-annual Water Quality Monitoring Report (Ref. Attachment K Section II. 2 of the Monitoring Plan Implementation Schedule (MPIS) dated 4/2/2009).
2. Copies of laboratory and field electronic data deliverables (LDD and FDD) as Adobe portable document (PDF) format were not submitted with the 10th and 11th Semi-annual Water Quality Monitoring Reports (Ref. Attachment K Section II. 1.b of the MPIS).
3. Benzene and vinyl chloride has increased in wells MW-9A, MW-10A and MW-11A. Hopefully, completion of the side slopes closure at cells 1 to 4 in November 2009 would resolve the VOCs exceedance issue.
4. Arsenic concentration has decreased in MW-11A and MW-13A.
5. Ammonia has been exceeded in both background and detection wells.

Williams, Elizabeth

From: Levin, Laxsamee
Sent: Wednesday, July 21, 2010 7:41 PM
To: mkaiser@wasteservicesinc.com
Cc: Kirk Wills; Mwisler@geosyntec.com; Lubozynski, Tom; Heidorn, Marjorie; Williams, Elizabeth
Subject: OCD-SW-10-0387 J.E.D. WACS I.D. 89544

Dear Mr. Kaiser:

The Department received 10th and 11th Semi-annual Water Quality Monitoring Reports on 9/4/2009 and 2/22/2010 respectively. The reports were prepared and submitted by Geosyntec Consultants for the landfill stated in the subject line above. The reports represent semi-annual sampling in May 2009 and November 2009. Tallahassee Solid Waste Section performed quality assurance review of electronic data and database transfer. District Solid Waste Program reviewed the reports to ensure compliance with the permit, water quality monitoring plan and state water quality standards. Below are our findings and comment.

1. Ground Water Monitoring Report Certification Form was missing from the 10th Semi-annual Water Quality Monitoring Report (Ref. Attachment K Section II. 2 of the Monitoring Plan Implementation Schedule (MPIS) dated 4/2/2009).
2. Copies of laboratory and field electronic data deliverables (LDD and FDD) as Adobe portable document (PDF) format were not submitted with the 10th and 11th Semi-annual Water Quality Monitoring Reports (Ref. Attachment K Section II. 1.b of the MPIS).
3. Benzene and vinyl chloride has increased in wells MW-9A, MW-10A and MW-11A. Hopefully, completion of the side slopes closure at cells 1 to 4 in November 2009 would resolve the VOCs exceedance issue.
4. Arsenic concentration has decreased in MW-11A and MW-13A.
5. Ammonia has been exceeded in both background and detection wells.
6. We agree with Geosyntec to continue monitoring as outlined in the MPIS.
7. It would be helpful to find out the cause of high ammonia in background wells. If arsenic concentrations correlate with iron concentrations, why MW-2A (May and Nov 2009 sampling), MW-6A (Nov 2009 sampling) and MW-12A (May 2009 sampling) had high concentrations of iron but did not show arsenic exceedance?

Please contact me if you have further questions.

Laxsamee Levin

Compliance Engineer
3319 Maguire Blvd., Suite 232
Orlando, FL 32803
<http://www.dep.state.fl.us>
E-mail Laxsamee.Levin@dep.state.fl.us
Phone 407-893-3311
Fax 407-893-3124

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.



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

SMcCash@wasteservicesinc.com

Mr. Shawn McCash
JED Solid Waste Management Facility
1501 Omni Way
St. Cloud, Florida 34773

OCD-SW-10-0374

Osceola County - SW
JED Solid Waste Management Facility
Permit # SO49-0199726-005 and SC49-0199726-004
WACS # 89544
Response to Methane Gas Migration Investigation

Dear Mr. McCash:

As requested during the May 20, 2010 JED Landfill CH₄ Exceedance meeting, the Department received the document titled Methane Gas Migration Investigation dated June 17, 2010. The document summarizes all actions taken regarding the issue to date, conclusions regarding the studies completed, and outlines further steps to be taken in efforts to better understand and control the methane gas migration issue. The following are the Department's questions and comments to the conclusions within the report.

General Questions/Comments:

1. What is the distance in feet between the temporary gas probes and the permanent gas probes?
2. In the Subsurface Migration via Waste section of the report, Golder states that they have observed the lingering presence of landfill gas still present below ground at a similar facility. Based on Golder's experience at this other facility, how long did it take for the gas concentrations present below ground to diminish over time?

Monthly Monitoring:

Conclusion: There does not appear to be strong correlation between seasonal or meteorological conditions and the methane content monitored in the probes.

Department Comments: The department agrees with this conclusion.

Probe Pair Trend Analysis:

Conclusion: Engineering judgment indicates that if the landfill were the sole methane source (of the apparent migration), that the methane content in the probes closest to the landfill (temporary probes) should indicate higher methane content than those further from the disposal boundary (permanent probes).

Department Comments: The Department agrees that the temporary probes should have higher methane concentrations than the permanent probes (when accumulation is not a factor). We do not agree that this is what is being seen in the data outlined in Table 2. The data and conclusions do not take into account the gas flow rate of the methane migration. The 'gas bubble' takes time to travel from the temporary probe to the permanent probe; therefore, the measurement at the temporary probe on 'day 1' cannot be compared to the measurement taken at the corresponding permanent probe on 'day 1'. Instead, the temporary gas probe should be compared to a measurement taken at the permanent probe at a later date based upon the gas flow migration rate. As seen by the lack of correlation between the temporary probes and the permanent

70
7-6-10

probes, the time it takes for a 'gas bubble' to travel from the temporary probe to the corresponding permanent probe is not quarterly or monthly.

Department Recommendation: The Department recommends taking measurements on a daily basis in the six gas probes listed in Table 2 for a limited amount of time. This will allow for a more accurate correlation of the temporary probes to the permanent probes and the ability to determine a rough estimate of the gas flow rate. It is recommended to purge the probes after measurements are taken in these six probes in order to minimize the influence of gas accumulation on the results.

Gas Sampling and Analysis:

Conclusion: Chlorinated VOCs tend to indicate a non-natural source and can be tracers of landfill gas.

Department Comments: The Department agrees that chlorinated VOCs can be a tracer of landfill gas but the effects of natural attenuation in soil and leaching into the groundwater of such VOCs must also be taken into account. The results outlined in the report are inconclusive because of the possibility for natural attenuation of chlorinated VOCs and the contamination of vinyl chloride seen in the ground water.

Department Recommendations: The Department recommends a fingerprint analysis of the flare gas and probe gas for constituents which are not impacted when moving through soil via adsorption, absorption or degradation. For example, the study Fingerprinting and Forensic Techniques for Landfill Gas Geochemical Assessment by Abu-Shaban and Centeno, 2006 recommends landfill gas fingerprinting by the analysis of H₂S and/or ¹³C/¹²C and ²H/¹H isotopes (see attached).

Potential Migration beneath Dry Retention Areas:

Conclusion: Golder and Omni Waste theorize that the elevated methane concentrations measured within the perimeter probes comes partially from biological sources (wetlands, buried organic matter, etc.) outside of the waste disposal area.

Department Comments: The Department accepts the possibility of biological sources affecting the methane content in the monitoring probes. However, we are not convinced it is the only source of methane in the perimeter probes.

Department Recommendations: Conduct a fingerprint analysis for H₂S and ¹³C/¹²C and ²H/¹H isotopes. Through this analysis, the difference between the landfill gas isotopes and any gas resulting from swamp gas can be analyzed and compared (reference Fingerprinting and Forensic Techniques for Landfill Gas Geochemical Assessment, Abu-Shaban and Centeno, 2006).

SUMMARY – Landfill Gas Migration:

Conclusion: Based upon site improvements, field monitoring data, and laboratory analysis, there does not appear to be a direct relationship in the methane content in the GMPs and landfill gas migration.

Department Comments: The analysis conducted to date is inconclusive. Additional data and analysis must be performed prior to concluding the source of methane in the monitoring probes.

Proposed Actions:

1. Perform additional laboratory analysis of all of the probe pairs (i.e. TGP-1 and GP-10, TGP-2 and GP-14, TGP-3 and GP-18) for the full suite of organics monitored during the 2008 and 2009 sampling events. Additionally, samples from probes GP-11, GP-15, GP-19, GP-21, and GP-22 will be analyzed as well to compare the results from historical sampling. Research the available literature to determine if additional parameters that may be helpful in confirming whether another source of methane is impacting the probes should be added to the analysis.

Department Comments: The Department recommends a fingerprint analysis of the flare gas and probe gas for constituents which are not impacted when moving through soil via adsorption, absorption or degradation.

2. Connect the leachate collection sump manhole risers and any adjacent leachate cleanout risers to the GCCS.

Department Comments: Acceptable.

3. Investigate the cap integrity at the Cell 4 sump area and other areas at the base liner and closure cap liner tie-in locations.

Department Comments: Acceptable.

4. Determine the total organic content using method 415.1 in the soil (vadose/smear) upgradient and downgradient of the GMPs to trend TOC in relation to the probes.

Department Comments: Acceptable.

5. Increase the collection efficiency of the GCCS (increased vacuums at selected wells) and monitor for any influences at the temporary and permanent probes.

Department Comments: Acceptable.

6. Install a series of two temporary groundwater piezometers in various locations in the dry retention areas near selected GMPs. The temporary piezometers will be screened at different intervals to assist in determining whether saturated conditions exist in underlying soils when there is standing water in the dry retention area.

Department Comments: Acceptable.

7. Continue monitoring the temporary and permanent probes on a monthly basis and note any trends that develop.

Department Comments: The Department recommends taking measurements on a daily basis in the six gas probes listed in Table 2 for a limited amount of time. This will allow for a more accurate correlation of the temporary probes to the permanent probes and the ability to determine a rough estimate of the gas flow rate. It is recommended the probes be purged after measurements are taken in these six probes in order to minimize the influence of gas accumulation on the results.

8. Based on findings from the above listed activities, determine whether a new monitoring probe system or techniques should be proposed.

Department Comments: Acceptable.

Additional Actions Proposed by the Department (as discussed in the meeting May 20, 2010):

9. Install a wet ditch which goes to the water table along GP18, GP19 and GP20.
10. Install the next series of gas wells in cells 1-4.

Mr. Shawn McCash
OCD-SW-10-0374
Page #4

Please contact Gloria-Jean DePradine by telephone at (407) 893-3994 or by e-mail at gloria.depradine@dep.state.fl.us, or contact Kim Rush at (407) 893-2312 or by e-mail at kim.rush@dep.state.fl.us if you have any questions or need additional information.

Sincerely,



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

Date: July 6, 2010

Attachment: PowerPoint presentation: Fingerprinting and Forensic Techniques for Landfill Gas
Geochemical Assessment, Abu-Shaban and Centeno, 2006

cc: Mike Kaiser, Omni Waste, MikeKaiser@wsli.us

FTL/gnd/kr

Williams, Elizabeth

From: Rush, Kim
Sent: Friday, July 02, 2010 4:47 PM
To: Williams, Elizabeth
Subject: FW: REVIEW - JED CH4 response
Attachments: Fingerprint CH4.ppt

At 5:10 PM to go Betty! Please be sure to include sending the attachment along with the letter.

JED

WAL # 85544 / (100)

Thanks!

Kimberly Rush
Environmental Specialist II
Florida Department of Environmental Protection
3319 Maguire Blvd. Ste 232
Orlando, FL 32803-3767
Phone: (407) 893-3328 ext. 2312

From: Lubozynski, Tom
Sent: Friday, July 02, 2010 1:58 PM
To: Rush, Kim; Williams, Elizabeth
Subject: FW: REVIEW - JED CH4 response

Kim - Good letter. If you agree with the edits, tell Betty

Betty - If Kim agrees this can be sent with my signature.

Tom

From: Rush, Kim
Sent: Friday, July 02, 2010 9:27 AM
To: Lubozynski, Tom; DePradine, Gloria-Jean; Burson, Lu; Kraemer, Janine
Subject: REVIEW - JED CH4 response

OK, It's not 2 pages— its 3, sorry. I did not end up marking up their narrative report because it got a little confusing, but I do have it in Word format from Golder if you think it necessary. Also, attached is a PowerPoint report I referenced in the letter about fingerprinting methods for landfill gas – very interesting.

Question: should this letter be addressed to Mike Kaiser instead of Shawn McCash? Or just copy Mike?

O:\Solid Waste\Kim Rush\JED\JED CH4 letter 7-1-10.doc

Thanks!

Kimberly Rush
Environmental Specialist II
Florida Department of Environmental Protection
3319 Maguire Blvd. Ste 232
Orlando, FL 32803-3767
Phone: (407) 893-3328 ext. 2312

Williams, Elizabeth.

From: Shawn McCash [SMcCash@wasteservicesinc.com]
Sent: Tuesday, July 06, 2010 8:26 AM
To: Williams, Elizabeth
Cc: Michael Kaiser; DePradine, Gloria-Jean; Rush, Kim; mikekaiser@wsii.com
Subject: RE: JED response to methane gas migration investigation 0374

Received: Thank you.

Regards,

R. Shawn McCash

St. Vast President – Landfill Operations & Engineering



Waste Services, Inc.
2893 Executive Park Drive
Suite 305
Weston, Florida 33331
(954) 686-4302 [Office]
(954) 444-4352 [Fax]
(561) 613-1405 [Mobile]

From: Williams, Elizabeth [mailto:Elizabeth.Williams@dep.state.fl.us]
Sent: Tuesday, July 06, 2010 8:08 AM
To: Shawn McCash
Cc: Michael Kaiser; DePradine, Gloria-Jean; Rush, Kim; mikekaiser@wsii.com
Subject: JED response to methane gas migration investigation 0374

Attached is an Adobe Acrobat version of the " JED –methan gas ltr. " 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.

JP
7-6-10

Williams, Elizabeth

From: Michael Kaiser [mkaiser@wasteservicesinc.com]
To: Williams, Elizabeth
Sent: Tuesday, July 06, 2010 8:50 PM
Subject: Read: JED response to methane gas migration investigation 0374

Your message was read on Tuesday, July 06, 2010 8:49:56 PM (GMT-05:00) Eastern Time (US & Canada).

10
7-7-10

FILE Copy

Janwadkar, Sandeep

From: Janwadkar, Sandeep
Sent: Monday, June 07, 2010 9:35 AM
To: Lubozynski, Tom
Cc: Cheryan, George; Williams, Elizabeth
Subject: For Review - Due Date None - LCT Search Results - NOI to Issue JED Facility Permit Nos SO49-0199726-013 and WT49-0199726-014

Tom,

A search of the Department Legal Case Tracking (LCT) System database on June 7, 2010 using permit numbers "SO49-0199726-013" and "WT49-0199726-014" as queries resulted in the message "Results: Query retrieved 0 records" indicating no petition was filed in response to the published notice in Orlando Sentinel on May 14, 2010.

I will insert a copy of this e-mail into OCULUS.

Sandeep

Do
6/7/2010

Orlando Sentinel

Waste Services Inc.
1099 MILLER DR.



ALTAMONTE SPRINGS, FL 32701

Before the undersigned authority personally appeared Ann Carpenter/Tamela Vargas/Deborah M. Toney, who on oath says that s/he is the Legal Advertising Representative of Orlando Sentinel, a daily newspaper published in Orange County, Florida; that the attached copy of advertisement, being a Legal Notices in the matter of File Nos. SO49-0199726-013 and WT49-0199726-014 in the Orange County _ Court, was published in said newspaper in the issue(s); of

05/14/10

Affiant further says that the said Orlando Sentinel is a newspaper published 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 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 s/he 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 14 day of May, 2010, Ann Carpenter/Tamela Vargas/Deborah M. Toney, who is personally known to me and who did take an oath.



(seal) **DEBORAH M. TONEY**
NOTARY PUBLIC
STATE OF FLORIDA
Comm# DD0938521
Expires 11/15/2013

1068050

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 permit modification to Omni Waste of Osceola County, LLC, (Omni)/ Mike Kaiser, 1501 Omni Way, St. Cloud, FL 34773. The proposed work involves a modification to the existing operation permit to include installation and operation of the auto shredder residual recycling process, and waste fire storage and processing at the J.E.D. Solid Waste Management Facility, Class I landfill. The facility is located at 1501 Omni Way, St. Cloud, in sections 13, 14, 17, 18, Township 26 South, Range 32 and 33 East, in Osceola County, Florida. The Department has assigned File Nos. SO49-0199726-013 and WT49-0199726-014 to the project and intends to issue the permit modification to the existing operation Permit No. SO49-0199726-012 which expires 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. 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 GCULUS electronic document management system at: www.dep.state.fl.us. Once at the DEP home page, click on Programs, and then click on Waste Management, and then click on GCULUS. Login as netuser and password: netuser. Click the login button. Under Catalog select Solid Waste and under Profile select Permitting. Under Actions, Enter 8954 in the Facility ID field and hit the tab button. The computer will automatically fill in the County and facility name. Next to the Document Date, click on symbol "V", select the symbol ">" first blank box to the right, insert 12-15-2009. Click the search button. You will see a listing of all documents related to this permit application (SO49-0199726-013 and WT49-0199726-014). If you want to see all permit application related documents, leave the Document Date fields empty. 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

that 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.

COR1068050

5/14/2019



Florida Department of Environmental Protection

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

NOTICE OF PERMIT

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

By-Email

MKaiser@wasteservicesinc.com

In the matter of an
Application for Permit

By:

Mr. Mike Kaiser
Omni Waste of Osceola County, LLC (Omni)
1501 Omni Way
St. Cloud, FL 34773

OCD-SW-10-0349

Osceola County – SW WACS # 89544
J.E.D. Solid Waste Management Facility, Class I
Auto Shredder Recycling & Waste Tire
Storage Processing Operations – Minor Modification
Modification of Permit No. SO49-0199726-012
Permit Nos. SO49-0199726-013 and WT49-0199726-014

Dear Mr. Kaiser:

Enclosed are Permit Numbers SO49-0199726-013 and WT49-0199726-014 (Modification of Permit No. SO49-0199726-012) to include the installation and operation of the auto shredder residual recycling and waste tire storage and processing operations at the existing 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

F. Thomas Lubozynski for

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

Date: June 11, 2010

40-1170

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

June 11, 2010

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 June 11, 2010 to the listed persons.

E. Williams

Clerk

VFG/gc/sj

Enclosures

1. Permit No. SO49-0199726-013 and WT49-0199726-014
2. Appendix A – List of Documents Incorporated into Permit
3. Appendix B – Time Sensitive Specific Conditions

Copies furnished to:

Richard Tedder, P.E. – DEP – Tallahassee

Fred Wick – DEP – Tallahassee

Frank Hornbrook – DEP – Tallahassee

Brenda Ann Smith Clark, P.E. – HDR Engineering Inc. Brenda.Clark@hdrinc.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

Permit Issued to:

J.E.D. Solid Waste Management Facility
Located at: 1501 Omni Way
St. Cloud, Florida, Osceola County
Telephone No. (407) 891-3720
Facility ID No.: WACS ID # 89544

Authorized Representative: Mr. Mike Kaiser
Title: Vice President, Omni Waste of Osceola County, LLC (Omni)
1501 Omni Way
St. Cloud, FL 34773

**Solid Waste Operating Permit – Auto Shredder Recycling/
Waste Tire Storage Processing Operations – Minor Modification**

J.E.D. Solid Waste Management Facility – St. Cloud

Revised Permit No.: SO49-0199726-012

Includes Modification Nos.:

SO49-0199726-013 and WT49-0199726-014

Permit Issued: 06/11/2010
Permit Renewal Application Due Date: 11/12/2011
Permit Expires: 01/11/2012

Permitting Authority

Florida Department of Environmental Protection
Central District Office
3319 Maguire Boulevard, Suite 232
Orlando, FL 32803
Telephone No. (407) 893-3328



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
Omni Waste of Osceola County, LLC (Omni)
1501 Omni Way
St. Cloud, FL 34773

OCD-SW-10-0349

Osceola County – SW WACS # 89544
J.E.D. Solid Waste Management Facility, Class I
Auto Shredder Recycling & Waste Tire
Storage Processing Operations – Minor Modification
Modification of Permit No. SO49-0199726-012
Permit Nos. SO49-0199726-013 and WT49-0199726-014

Dear Mr. Kaiser:

In response to the request submitted on December 22, 2009, by HDR Engineering Inc., Permit No. SO49-0199726-012 is modified to include auto shredder recycling, and waste tire storage and processing at the J.E.D. Solid Waste Management Facility, Class I.

Project Background:

- The J.E.D. Solid Waste Management Facility – Class I landfill began accepting waste in January 2004. The present service area for the landfill is Osceola County, and counties surrounding Osceola County. The waste will be from residential communities and commercial sources.
- 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 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 for treatment and disposal.
- The project incorporates a water quality monitoring plan.
- Auto Shredder Residual (ASR) generated at off-site third party auto shredder facilities/operations is currently accepted at the facility for direct disposal, use as daily cover, and use as a solidification material in the liquid waste solidification operations.

- Permit modification SO49-0199726-013 authorizes the installation and operation of an auto shredder residual (ASR) recycling system within the active Cell 6 waste disposal area. If relocated, the system will always be in an active lined area. Ferrous and non-ferrous metals, and wire components found within the ASR waste material will be recovered and segregated during the recycling process and shipped to appropriate industrial customers as feedstock. Any leachate that may be generated from the operations will be collected in the leachate collection system of the active cell. Specific Condition Nos. 76 to 80 are added to Permit No. SO49-0199726-012.
- Permit modification WT49-0199726-014 authorizes the waste tire storage and processing at the facility. The maximum daily throughput is limited to 313 tons. A portable shredder will be used at the facility. The processed tires will be directly disposed in the landfill or used as initial/daily cover. Specific Condition Nos. 81 to 95 are added to Permit No. SO49-0199726-012.

PERMITTEE:
Omni Waste of Osceola County, LLC (Omni)

WACS#: 89544
Permit No. Revised SO49-0199726-012
Expiration Date: 01/11/2012

Attention: Mr. Mike Kaiser

SPECIFIC CONDITIONS:

SPECIFIC CONDITIONS: Installation and Operation of Auto Shredder Residual Recycling Process SO49-0199726-013

76. Auto Shredder Residual (ASR) Recycling Operations Installation: The ASR recycling operations shall be installed in the active lined Cell 6 as shown on Sheet 2 and Sheet 2A in Attachment B (Reference 3 – Appendix A). The footprint of the ASR recycling operations is approximately 250 feet x 150 feet. The permittee shall obtain approval from the Department prior to relocation of the ASR Operations.
77. ASR Processing Capacity: The production capacity of the processing equipment is approximately 50 tons/hour. The maximum ASR that could be processed at the facility on a daily basis is approximately 550 tons based on the current facility operating hours. Actual operating rates may vary depending upon business conditions.
78. Litter and Dust Control: Dust control will be provided at the processing equipment using water mist or spray systems installed in select locations on the equipment. Litter control will be maintained in accordance with Section 4.6.1 of the Operation Plan (Reference 3- Appendix A).
79. Emergency Contingency Plan: Standard first aid and fire suppression equipment will be maintained at the area, including fire extinguishers within all heavy equipment.
80. Closure Requirements: The permittee shall notify the Department 30 days in advance of the planned closure date. Additionally, post notice at the Facility weigh scales 30 days prior to closing indicating that the ASR Recycling Area will be closing and the date of closure. Remove all processing equipment, support equipment, and marketable materials from the facility.

SPECIFIC CONDITIONS: Waste Tire Processing Facility WT49-0199726-014

81. Operations Involving Use of Open Flames: No operations involving the use of open flames shall be conducted within 25 feet of a waste tire pile, Rule 62-711.540(1)(b), F.A.C.
82. Stormwater Control Methods: Stormwater control methods shall meet stormwater requirements of Chapter 62-25 and 62-330, F.A.C. The facility shall be managed in such a way as to divert stormwater or floodwater around and away from the tire storage piles, Rule 62-711.540(3)(a), F.A.C.
83. Emergency Situations: The operator of the waste tire site shall immediately notify the Department in the event of a fire or other emergency if that emergency has potential off-site effects. Within two weeks of any emergency involving potential off-site impact, the operator of the site shall submit to the Department, a written report on the emergency. This report shall describe the origins of the emergency, the actions that were taken to deal with the emergency, the results of the actions that were taken, and an analysis of the success or failure of the actions, Rule 62-711.540(1)(f), F.A.C.

PERMITTEE:
Omni Waste of Osceola County, LLC (Omni)

WACS#: 89544
Permit No. Revised SO49-0199726-012
Expiration Date: 01/11/2012

Attention: Mr. Mike Kaiser

SPECIFIC CONDITIONS:

84. Certification Requirements: The facility shall meet the certification requirements of Rule 62-701.320(9)(b), F.A.C., after completion of construction and prior to operation of the waste tire processing facility.
85. Minimum Size Requirements: Processed tires for recycling or disposal must meet the minimum size requirements specified in Rule 62-711.400(3), F.A.C.
86. Waste Tire Processing Facility Requirements: The facility shall meet the requirements of the waste tire processing facility, Rule 62-711.530, F.A.C.
87. Storage Requirements: Any storage of tires on-site shall meet with the fire department's standards along with the provisions cited in Rule 62-711.540, F.A.C. of the waste tire rule.
88. Control of Mosquitoes and Rodents: The owner or operator shall provide for control of mosquitoes and rodents at the waste tire site so as to protect the public health and welfare, Rule 62-711.540(1)(j), F.A.C.
89. Tire Pile Dimensions: An outdoor tire pile or processed tire pile shall not exceed the following maximum dimensions as shown on Sheet 1 (Reference 5 - Appendix A of this permit): a width of 50 feet; an area of 10,000 square feet; and a height of 10 feet, Rule 62-711.540(3)(b), F.A.C.
90. Waste Tire Pile - Fire Lane: A 50-foot wide fire lane shall be placed around the perimeter of each waste tire pile, Rule 62-711.540(3)(c), F.A.C.
91. Processing Requirements: At least 75% of the whole tires, used tires, and processed tires that are delivered to or are contained on the site of the waste tire processing facility at the beginning of each calendar year must be processed and removed for disposal or recycling from the facility during the year, or disposed of in a permitted solid waste management facility, Rule 62-711.530(3), F.A.C.
92. Quarterly Reports: Owners or operators of waste tire processing facilities shall submit quarterly reports to the Department that summarize the information collected under Rule 62-711.530(4), F.A.C. The reports shall be submitted on DEP Form 62-701.900(21), on the 20th of the month following the close of each calendar quarter to the Department of Environmental Protection, Central District - Solid Waste Section, 3319 Maguire Boulevard, Suite 232, Orlando, Florida 32803, with a copy to the Department of Environmental Protection, Solid Waste Section, 2600 Blair Stone Road, Tallahassee, Florida 32399, Rule 62-711.530(5), F.A.C.
93. Closure Plan: The waste tire processing facility shall comply with the closure plan requirements of Rule 62-711.700, F.A.C.
94. Disposal of Processed Tires or Residuals: The processed tires or residuals shall be disposed of at permitted disposal sites or properly recycled.

PERMITTEE:
Omni Waste of Osceola County, LLC (Omni)

WACS#: 89544
Permit No. Revised SO49-0199726-012
Expiration Date: 01/11/2012

Attention: Mr. Mike Kaiser

SPECIFIC CONDITIONS:

95. Maximum Storage: The facility shall not accept any waste tires for processing if it has reached its permitted storage limit for any category of waste tires, or if the number of waste tires on the site exceeds the quantity estimate in the closing cost estimate, Rule 62-711.530, F.A.C. The maximum storage at the facility for whole waste tires, processed tires, and residuals, shall be 313 tons, 313 tons and 10 tons, respectively, as stated on Page 2 of 4, DEP Form # 62-701.900(23) – Waste Tire Processing Facility Permit Application provided in Appendix G (Reference No. 5 – Appendix A). The maximum storage at the facility includes a minimal amount of tires destined for re-sale.

The information submitted December 22, 2009, February 22, 2010, and March 22, 2010 on file at the Central District Office is made a part of this permit. The documents are listed in Appendix A.

All other conditions of the subject permit remain unchanged.

This letter must be attached to Permit No. SO49-0199726-012 and becomes part of that permit. The new permit numbers are SO49-0199726-013 and WT49-0199726-014.

Sincerely,



F. Thomas Lubozynski for

Vivian F. Garfein
Director, Central District

Date June 11, 2010

PERMITTEE:
Omni Waste of Osceola County, LLC (Omni)

WACS#: 89544
Permit No. Revised SO49-0199726-012
Expiration Date: 01/11/2012

Attention: Mr. Mike Kaiser

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

June 11, 2010

Date

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT MODIFICATION and all copies were sent before the close of business on June 11, 2010 to the listed persons.



Clerk

VFG/gc/sj

Enclosures:

Appendix A - List of Documents Incorporated into Permit
Appendix B - Time Sensitive Specific Conditions

Copies furnished to:

Richard Tedder, P.E. – DEP – Tallahassee

Fred Wick, DEP – Tallahassee

Frank Hornbrook, DEP – Tallahassee

Brenda Ann Smith Clark, P.E. – HDR Engineering Inc. Brenda.Clark@hdrinc.com

Appendix A
List of Documents Incorporated Into the Permit

1. Request for Minor Permit Modification, Operation Permit, J.E.D. Solid Waste Management Facility, Prepared by HDR Engineering, Inc., Miami Lakes, Florida dated December 16, 2009. Received and stamped December 22, 2009, DEP – Central District.
2. First Request for Additional Information from Central District – DEP dated January 19, 2010.
3. Response to First Request for Additional Information, J.E.D. Solid Waste Management Facility, Class I, Prepared by HDR Engineering, Inc., Miami Lakes, Florida dated 18 February 2010. Received and stamped February 22, 2010, DEP – Central District.
4. Second Request for Additional Information from Central District – DEP dated March 16, 2010.
5. Response to Second Request for Additional Information, J.E.D. Solid Waste Management Facility, Class I, Prepared by HDR Engineering, Inc., Miami Lakes, Florida dated 19 March 2010. Received and stamped March 22, 2010, DEP – Central District.
6. Permit Application Completion Letter dated April 01, 2010 from DEP – Central District.

APPENDIX B
Time Sensitive Specific Conditions
Modification of DEP Permit Number SO49-0199726-012
DEP Permit Numbers SO49-0199726-013 and WT49-0199726-014

Specific Condition	Requirement	Action	Due Date
Modification #SO49-0199726-013			
76	ASR Recycling Operations Installation	The ASR recycling operations shall be installed in the active lined Cell 6	Obtain Department approval prior to relocation of the ASR operations
77	ASR Processing Capacity	Max daily processing capacity is approximately 550 tons	
80	Closure Requirements	Notify the Department of the planned closure and also post notice at the Facility weigh scales	30 days prior to closing
Modification #WT49-0199726-014			
83	Emergency Situations	Notify the Department in the event of a fire or other emergency if that emergency has potential off-site effects.	Immediately upon discovery
83	Emergency Situations	Submit a written report on the emergency involving fire or potential off-site impacts.	Within two weeks of the emergency.
84	Certification Requirements	Comply with the certification requirements of Rule 62-701.320(9)(b), F.A.C.	Upon completion of the construction and prior to the start of operation of waste tire processing facility
89	Tire Pile Dimensions	Outdoor tire pile or processed tire pile shall not exceed the following maximum dimensions: 50 feet wide, area of 10,000 square feet, and a height of 10 feet.	Seek prior Department approval for any deviations.

APPENDIX B
Time Sensitive Specific Conditions
Modification of DEP Permit Number SO49-0199726-012
DEP Permit Numbers SO49-0199726-013 and WT49-0199726-014

Specific Condition	Requirement	Action	Due Date
91	Processing Requirements	Process and remove for disposal at least 75% of the whole tires, and processed tires that are delivered to or contained on the site at the beginning of each year	By the end of the same year.
92	Quarterly Reports	Submit Quarterly Reports to the Department Central District Office summarizing information per Rule 62-711.530(3)(c) F.A.C.	No Later Than 20 th of month following the close of each Calendar Quarter
95	Maximum Storage	The maximum storage at the facility for whole waste tires, processed tires, and residuals shall be 313 tons, 313 tons, and 10 tons respectively. Additionally, minimal amount of tires destined for re-sale should be stored at site.	Seek prior Department Approval for any deviations.

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

Administrative	
Discovery Compliance	
Cleanup	
Enforcement Legal	
Fiscal	
Permitting	X

County	Osceola
Facility ID #	89544
Document Date	
Received Date	
Doc Type	Intent to Issue/Denied Related
Contractor ID	
Facility Type	100
Document Subject	Permit Application Nos. SO49-0199726-013 and WT49-0199726-014, J.E.D. Facility, NOI to Issue Related

5X

PERMIT NO. WTA-0199726-214 EXP. DATE 01/11/2012

Event	Begin Date	Period	Due Date	Rmn	Status	End Date
Register Request	12/22/2009	1	12/23/2009		Delayed	12/22/2009
Per Vot Testion	12/22/2009	2	12/24/2009		Delayed	12/28/2009
Comp & Cases Review	12/22/2009	30	01/21/2010		Delayed	01/19/2010
PEROT CLOCK	01/19/2010	1	01/20/2010		Delayed	01/19/2010
Week 10 BMDM Information	01/19/2010	45	03/05/2010		Delayed	02/22/2010
Comp & Cases Review	02/22/2010	30	03/24/2010		Delayed	03/16/2010
PEROT CLOCK	03/16/2010	1	03/17/2010		Delayed	03/16/2010
Week 11 BMDM Information	03/16/2010	45	04/30/2010		Delayed	03/22/2010
Comp & Cases Review	03/22/2010	30	04/21/2010		Delayed	04/01/2010
Defining Agency Action	03/22/2010	90	06/20/2010		Delayed	05/11/2010
Week 12 BMDM Information	05/11/2010	10	05/21/2010		Delayed	05/11/2010

Events Scheduled

Site # Site Name
Permit # Type/Subtype Received
Project # Project Name

Event	Begin Date	Period	Due Date	Rmn	Status	End Date
CONSTRUCTION - New	02/22/2010	30	03/24/2010		Completed	03/16/2010
PERMIT CHECK	03/16/2010	1	03/17/2010		Completed	03/16/2010
Issuing Additional Information	03/16/2010	45	04/30/2010		Completed	03/22/2010
Construction - New	03/22/2010	30	04/21/2010		Completed	04/01/2010
Permitting Agency Action	03/22/2010	90	06/20/2010		Completed	05/11/2010
Construction - New	05/11/2010	10	05/21/2010		Completed	05/11/2010
Construction - New	05/11/2010	999	02/03/2013		Completed	05/14/2010
Issue Permit - New	05/14/2010	14	05/28/2010		Completed	06/11/2010
CONSTRUCTION	06/11/2010	1	06/12/2010		Completed	06/11/2010
CONSTRUCTION	06/11/2010	1	06/12/2010		Completed	06/11/2010
CONSTRUCTION	06/11/2010	1	06/12/2010		Completed	05/11/2010

✕

Project # 100 Project Name MODIF. OF PERMIT NO S049-0199726-012

PERMIT NO. 5044-0199726-013 Exp. DATE 01/11/2012

Event	Begin Date	Period	Due Date	Rmn	Status	End Date
Request Request	12/22/2009	1	12/23/2009		Open	12/22/2009
Pre Verification	12/22/2009	2	12/24/2009		Completed	12/28/2009
Comprehension Review	12/22/2009	30	01/21/2010		Completed	01/19/2010
ABCT Check	01/19/2010	1	01/20/2010		Open	01/19/2010
Post Application Information	01/19/2010	45	03/05/2010		Open	02/22/2010
Comprehension Review	02/22/2010	30	03/24/2010		Completed	03/16/2010
Request Check	03/16/2010	1	03/17/2010		Open	03/16/2010
Awaiting Application Information	03/16/2010	45	04/30/2010		Open	03/22/2010
Comprehension Review	03/22/2010	30	04/21/2010		Completed	04/01/2010
Determine Agency Action	03/22/2010	90	06/20/2010		Open	05/11/2010
	05/11/2010	10	05/21/2010		Open	05/11/2010

Permitting Application Events

Events Scheduled

Site # **0-00000** Site Name **MAXIM, OSBORN, JEFFERSON, BARNETT, JEFFERSON**
 Permit # **00000-00000** Type/Subtype **000 / 000** Received **00000**
 Project # **000** Project Name **MAXIM, OSBORN, JEFFERSON, BARNETT, JEFFERSON**

Event	Begin Date	Period	Due Date	Rmn	Status	End Date
Computer App Review	02/22/2010	30	03/24/2010		Completed	03/16/2010
REVIEW CHECK	03/16/2010	1	03/17/2010		Completed	03/16/2010
Awaiting Additional Information	03/16/2010	45	04/30/2010		Pending	03/22/2010
Correspondence Review	03/22/2010	30	04/21/2010		Pending	04/01/2010
Generating App Action	03/22/2010	90	06/20/2010		Pending	05/11/2010
MAXIM, OSBORN, JEFFERSON, BARNETT, JEFFERSON	05/11/2010	10	05/21/2010		Pending	05/11/2010
Generating App Action	05/11/2010	999	02/03/2013		Pending	05/14/2010
MAXIM, OSBORN, JEFFERSON, BARNETT, JEFFERSON	05/14/2010	14	05/28/2010		Pending	06/11/2010
STOP CLOCK	06/11/2010	1	06/12/2010		Pending	06/11/2010
MAXIM, OSBORN, JEFFERSON, BARNETT, JEFFERSON	06/11/2010	1	06/12/2010		Pending	06/11/2010
STOP CLOCK	05/11/2010	1	05/12/2010		Pending	05/11/2010

RED YELLOW GREEN NO PERMIT REQ

HISTORY SHEET

SITE/WAFR/AIR#: 49-0199726-014 TYPE: 115 SUBTYPE: 02

SITE/WAFR/AID
NAME:

**PROJECT
NAME:**

[illegible]

RED YELLOW GREEN NO PERMIT REQ

HISTORY SHEET

SITE/WAFR/AIR#: 49-0199226-013 TYPE: AB SUBTYPE: MM

SITE/WAFR/AID: _____
NAME: _____

PROJECT NAME:

[illegible]

Williams, Elizabeth

From: Michael Kaiser [mkaiser@wasteservicesinc.com]
Sent: Monday, June 22, 2009 7:38 PM
To: Williams, Elizabeth
Subject: RE: J.E.D.Class I minor mod. permit 0189

Thanks, I received the document.

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

From: Williams, Elizabeth [mailto:Elizabeth.Williams@dep.state.fl.us]
Sent: Monday, June 22, 2009 2:48 PM
To: Michael Kaiser
Cc: Tedder, Richard; Wick, Fred; Hornbrook, Frank; cbrowne@geosyntec.com; Lubozynski, Tom; Cheryan, George; Heidorn, Marjorie; Levin, Laxsamee
Subject: J.E.D.Class I minor mod. permit 0189

Attached is an Adobe Acrobat version of the "J.E.D." 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>

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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

Cheryan, George

From: Lubozynski, Tom
Sent: Wednesday, May 19, 2010 4:40 PM
To: Cheryan, George
Subject: FW: JED SWMF - Legal Publication of Notice of Intent to Issue ASR and Tire Permit Modifications
Attachments: JED Legal Publication - File No. SO49-0199726-013.pdf

info and place in oculus.

Tom

From: Michael Kaiser [mailto:mikaiser@wasteservicesinc.com]
Sent: Wednesday, May 19, 2010 2:08 PM
To: Lubozynski, Tom
Subject: JED SWMF - Legal Publication of Notice of Intent to Issue ASR and Tire Permit Modifications

Mr. Lubozynski:

Please find attached proof of publication made on May 14, 2010 of the notice of intent to issue a permit modification for the auto shredder residual recycling and waste tire storage and processing operations. Please call if you have any questions.

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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Williams, Elizabeth

From: Michael Kaiser [mkaiser@wasteservicesinc.com]
Sent: Tuesday, May 11, 2010 11:33 AM
To: Williams, Elizabeth
Subject: RE: J.E.D. Minor Modification intent to issue 0203

Ms. Williams:

Receipt acknowledged.

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

From: Williams, Elizabeth [mailto:Elizabeth.Williams@dep.state.fl.us]
Sent: Tuesday, May 11, 2010 7:49 AM
To: Michael Kaiser
Cc: Tedder, Richard; Wick, Fred; Hornbrook, Frank; brenda.clark@hdrinc.com; Shine, Caroline; Lubozynski, Tom; Janwadkar, Sandeep; Cheryan, George
Subject: J.E.D. Minor Modification intent to issue 0203

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

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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

Janwadkar, Sandeep

FILE COPY
JED FACILITY - PERMIT FILE

From: Janwadkar, Sandeep
Sent: Wednesday, May 12, 2010 11:25 AM
To: 'mkaiser@wasteservicesinc.com'
Cc: Lubozynski, Tom; Cheryan, George
Subject: RE: Drawing Submittal, Sequence 3A -GCCS, JED Solid Waste Management Facility

Dear Mr. Kaiser,

Please submit one hard copy of your submittal for Solid Waste Section use. The drawings set should be signed and sealed by the Engineer of Record unless they were previously submitted signed and sealed and there are no changes in your current submittal.

Sandeep

From: Cheryan, George
Sent: Monday, May 10, 2010 10:02 AM
To: Janwadkar, Sandeep
Subject: FW: Drawing Submittal, Sequence 3A -GCCS, JED Solid Waste Management Facility

From: Lubozynski, Tom
Sent: Monday, May 10, 2010 9:51 AM
To: Cheryan, George
Cc: DePradine, Gloria-Jean; Shine, Caroline
Subject: FW: Drawing Submittal, Sequence 3A -GCCS, JED Solid Waste Management Facility

George – please reply for Solid Waste. Place this in oculus.

Tom

From: Michael Kaiser [mailto:mkaiser@wasteservicesinc.com]
Sent: Monday, May 10, 2010 9:46 AM
To: Lubozynski, Tom; Shine, Caroline
Cc: Shawn McCash; Keith Lunsford; Matt Orr
Subject: Drawing Submittal, Sequence 3A -GCCS, JED Solid Waste Management Facility

Ms. Shine and Mr. Lubozynski:

Please find attached construction drawings for the next sequence of landfill gas wells and piping for the JED Solid Waste Management Facility. Please let me know if you need a hard copy mailed to your Department.

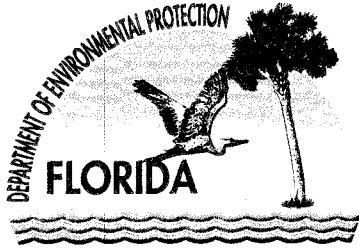
Thanks,

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]

8/0 5/12/2010

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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
Omni Waste of Osceola County, LLC (Omni)
1501 Omni Way
St. Cloud, FL 34773

OCD-SW-10-0203

Osceola County – SW WACS # 89544
J.E.D. Solid Waste Management Facility, Class I
Auto Shredder Recycling & Waste Tire
Storage Processing Operations – Minor Modification
Modification of Permit No. SO49-0199726-012
Permit Nos. SO49-0199726-013 and WT49-0199726-014

Dear Mr. Kaiser:

This is the Department's Intent to Issue the Modification of Permit No. SO49-0199726-012. 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 (Omni)/Mike Kaiser, 1501 Omni Way, St. Cloud, FL 34773, applied on December 22, 2009, to the Department of Environmental Protection to modify DEP Permit No. SO49-0199726-012 for the J.E.D. Solid Waste Management Facility, Class I landfill, 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 403.7097(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 permit is required to include installation and operation of the auto shredder residual recycling and waste tire storage and processing operations 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 50.03 1 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

50
5-11-10

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.

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.

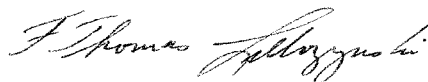
Mediation under Section 120.573 of the Florida Statutes is not available for this proceeding.

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



F. Thomas Lubozynski for

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

Date: May 11, 2010

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

May 11, 2010

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 May 11, 2010 to the listed persons.



Clerk

VFG/gc/sj

Enclosures:

1. Wording required in Notice of Proposed Agency Action
2. Draft Permit No. SO49-0199726-013 and WT49-0199726-014
3. Appendix A – List of Documents Incorporated into Permit
4. Appendix B – Time Sensitive Specific Conditions

Copies furnished to:

Richard Tedder, P.E. – DEP – Tallahassee
Fred Wick – DEP – Tallahassee
Frank Hornbrook – DEP – Tallahassee
Brenda Ann Smith Clark, P.E. – HDR Engineering Inc. Brenda.Clark@hdrinc.com
Caroline Shine – CD Air Program Administrator

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 permit modification to Omni Waste of Osceola County, LLC (Omni)/Mike Kaiser, 1501 Omni Way, St. Cloud, FL 34773. The proposed work involves a modification to the existing operation permit to include installation and operation of the auto shredder residual recycling process, and waste tire storage and processing at the J.E.D. Solid Waste Management Facility, Class I landfill.

The facility is located at 1501 Omni Way, St. Cloud, in Section 11, 13, 14, 17, 18, Township 28 South, Range 32 and 33 East, in Osceola County, Florida.

The Department has assigned File Nos. SO49-0199726-013 and WT49-0199726-014 to the project and intends to issue the permit as a modification to the existing operation Permit No. SO49-0199726-012 which expires 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.

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, and 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 89544 in the Facility ID field and hit the tab button. The computer will automatically fill in the County and facility name. Next to the Document Date, click on symbol "V", select the symbol ">" from the options. In the first blank box to the right, insert 12-15-2009. Click the search button. You will see a listing of all documents related to this permit application (SO49-0199726-013 and WT49-0199726-014). If you want to see all permit application related documents, leave the Document Date fields empty.

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

Permit Issued to:

J.E.D. Solid Waste Management Facility
Located at: 1501 Omni Way
St. Cloud, Florida, Osceola County
Telephone No. (407) 891-3720
Facility ID No.: WACS ID # 89544

Authorized Representative: Mr. Mike Kaiser

Title: Vice President, Omni Waste of Osceola County, LLC (Omni)
1501 Omni Way
St. Cloud, FL 34773

**Solid Waste Operating Permit – Auto Shredder Recycling/
Waste Tire Storage Processing Operations – Minor Modification**

J.E.D. Solid Waste Management Facility – St. Cloud

Revised Permit No.: SO49-0199726-012

Includes Modification Nos.:

SO49-0199726-013 and WT49-0199726-014

Permit Issued:

Permit Renewal Application Due Date: 11/12/2011

Permit Expires: 01/11/2012

Permitting Authority

Florida Department of Environmental Protection
Central District Office
3319 Maguire Boulevard, Suite 232
Orlando, FL 32803
Telephone No. (407) 893-3328



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
Omni Waste of Osceola County, LLC (Omni)
1501 Omni Way
St. Cloud, FL 34773

OCD-SW-10-0

Osceola County – SW WACS # 89544
J.E.D. Solid Waste Management Facility, Class I
Auto Shredder Recycling & Waste Tire
Storage Processing Operations – Minor Modification
Modification of Permit No. SO49-0199726-012
Permit Nos. SO49-0199726-013 and WT49-0199726-014

Dear Mr. Kaiser:

In response to the request submitted on December 22, 2009, by HDR Engineering Inc., Permit No. SO49-0199726-012 is modified to include auto shredder recycling, and waste tire storage and processing at the J.E.D. Solid Waste Management Facility, Class I.

Project Background:

- The J.E.D. Solid Waste Management Facility – Class I landfill began accepting waste in January 2004. The present service area for the landfill is Osceola County, and counties surrounding Osceola County. The waste will be from residential communities and commercial sources.
- 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 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 for treatment and disposal.
- The project incorporates a water quality monitoring plan.
- Auto Shredder Residual (ASR) generated at off-site third party auto shredder facilities/operations is currently accepted at the facility for direct disposal, use as daily cover, and use as a solidification material in the liquid waste solidification operations.

- Permit modification SO49-0199726-013 authorizes the installation and operation of an auto shredder residual (ASR) recycling system within the active Cell 6 waste disposal area or will be located in an active lined area if relocated. Ferrous and non-ferrous metals, and wire components found within the ASR waste material will be recovered and segregated during the recycling process and shipped to appropriate industrial customers as feedstock. Any leachate that may be generated from the operations will be collected in the leachate collection system of the active cell. Specific Condition Nos. 76 to 80 are added to Permit No. SO49-0199726-012.
- Permit modification WT49-0199726-014 authorizes the waste tire storage and processing at the facility. The maximum daily throughput is limited to 313 tons. A portable shredder will be used at the facility. The processed tires will be directly disposed in the landfill or used as initial/daily cover. Specific Condition Nos. 81 to 95 are added to Permit No. WT49-0199726-012.

DRAFT

PERMITTEE:
Omni Waste of Osceola County, LLC (Omni)

WACS#: 89544
Permit No. Revised SO49-0199726-012
Expiration Date: 01/11/2012

Attention: Mr. Mike Kaiser

SPECIFIC CONDITIONS:

SPECIFIC CONDITIONS: Installation and Operation of Auto Shredder Residual Recycling Process SO49-0199726-013

76. Auto Shredder Residual (ASR) Recycling Operations Installation: The ASR recycling operations shall be installed in the active lined Cell 6 as shown on Sheet 2 and Sheet 2A in Attachment B (Reference 3 – Appendix A). The footprint of the ASR recycling operations is approximately 250 feet x 150 feet. The permittee shall obtain approval from the Department prior to relocation of the ASR Operations.
77. ASR Processing Capacity: The production capacity of the processing equipment is approximately 50 tons/hour. The maximum ASR that could be processed at the facility on a daily basis is approximately 550 tons based on the current facility operating hours. Actual operating rates may vary depending upon business conditions.
78. Litter and Dust Control: Dust control will be provided at the processing equipment using water mist or spray systems installed in select locations on the equipment. Litter control will be maintained in accordance with Section 4.6.1 of the Operation Plan (Reference 3- Appendix A).
79. Emergency Contingency Plan: Standard first aid and fire suppression equipment will be maintained at the area, including fire extinguishers within all heavy equipment.
80. Closure Requirements: The permittee shall notify the Department 30 days in advance of the planned closure date. Additionally, post notice at the Facility weigh scales 30 days prior to closing indicating that the ASR Recycling Area will be closing and the date of closure. Remove all processing equipment, support equipment, and marketable materials from the facility.

SPECIFIC CONDITIONS: Waste Tire Processing Facility WT49-0199726-014

81. Operations Involving Use of Open Flames: No operations involving the use of open flames shall be conducted within 25 feet of a waste tire pile, Rule 62-711.540(1)(b), F.A.C.
82. Stormwater Control Methods: Stormwater control methods shall meet stormwater requirements of Chapter 62-25 and 62-330, F.A.C. The facility shall be managed in such a way as to divert stormwater or floodwater around and away from the tire storage piles, Rule 62-711.540(3)(a), F.A.C.
83. Emergency Situations: The operator of the waste tire site shall immediately notify the Department in the event of a fire or other emergency if that emergency has potential off-site effects. Within two weeks of any emergency involving potential off-site impact, the operator of the site shall submit to the Department, a written report on the emergency. This report shall describe the origins of the emergency, the actions that were taken to deal with the emergency, the results of the actions that were taken, and an analysis of the success or failure of the actions, Rule 62-711.540(1)(f), F.A.C.

PERMITTEE:
Omni Waste of Osceola County, LLC (Omni)

WACS#: 89544
Permit No. Revised SO49-0199726-012
Expiration Date: 01/11/2012

Attention: Mr. Mike Kaiser

SPECIFIC CONDITIONS:

84. Certification Requirements: The facility shall meet the certification requirements of Rule 62-701.320(9)(b), F.A.C., after completion of construction and prior to operation of the waste tire processing facility.
85. Minimum Size Requirements: Processed tires for recycling or disposal must meet the minimum size requirements specified in Rule 62-711.400(3), F.A.C.
86. Waste Tire Processing Facility Requirements: The facility shall meet the requirements of the waste tire processing facility, Rule 62-711.530, F.A.C.
87. Storage Requirements: Any storage of tires on-site shall meet with the fire department's standards along with the provisions cited in Rule 62-711.540, F.A.C. of the waste tire rule.
88. Control of Mosquitoes and Rodents: The owner or operator shall provide for control of mosquitoes and rodents at the waste tire site so as to protect the public health and welfare, Rule 62-711.540(1)(j), F.A.C.
89. Tire Pile Dimensions: An outdoor tire pile or processed tire pile shall not exceed the following maximum dimensions as shown on Sheet 1 (Reference 5 - Appendix A of this permit): a width of 50 feet; an area of 10,000 square feet; and a height of 10 feet, Rule 62-711.540(3)(b), F.A.C.
90. Waste Tire Pile - Fire Lane: A 50-foot wide fire lane shall be placed around the perimeter of each waste tire pile, Rule 62-711.540(3)(c), F.A.C.
91. Processing Requirements: At least 75% of the whole tires, used tires, and processed tires that are delivered to or are contained on the site of the waste tire processing facility at the beginning of each calendar year must be processed and removed for disposal or recycling from the facility during the year, or disposed of in a permitted solid waste management facility, Rule 62-711.530(3), F.A.C.
92. Quarterly Reports: Owners or operators of waste tire processing facilities shall submit quarterly reports to the Department that summarize the information collected under Rule 62-711.530(4), F.A.C. The reports shall be submitted on DEP Form 62-701.900(21), on the 20th of the month following the close of each calendar quarter to the Department of Environmental Protection, Central District - Solid Waste Section, 3319 Maguire Boulevard, Suite 232, Orlando, Florida 32803, with a copy to the Department of Environmental Protection, Solid Waste Section, 2600 Blair Stone Road, Tallahassee, Florida 32399, Rule 62-711.530(5), F.A.C.
93. Closure Plan: The waste tire processing facility shall comply with the closure plan requirements of Rule 62-711.700, F.A.C.
94. Disposal of Processed Tires or Residuals: The processed tires or residuals shall be disposed of at permitted disposal sites or properly recycled.

PERMITTEE:
Omni Waste of Osceola County, LLC (Omni)

WACS#: 89544
Permit No. Revised SO49-0199726-012
Expiration Date: 01/11/2012

Attention: Mr. Mike Kaiser

SPECIFIC CONDITIONS:

95. Maximum Storage: The facility shall not accept any waste tires for processing if it has reached its permitted storage limit for any category of waste tires, or if the number of waste tires on the site exceeds the quantity estimate in the closing cost estimate, Rule 62-711.530, F.A.C. The maximum storage at the facility for whole waste tires, processed tires, and residuals, shall be 313 tons, 313 tons and 10 tons, respectively, as stated on Page 2 of 4, DEP Form # 62-701.900(23) – Waste Tire Processing Facility Permit Application provided in Appendix G (Reference No. 5 – Appendix A). The maximum storage at the facility includes a minimal amount of tires destined for re-sale.

The information submitted December 22, 2009, February 22, 2010, and March 22, 2010 on file at the Central District Office is made a part of this permit. The documents are listed in Appendix A.

All other conditions of the subject permit remain unchanged.

This letter must be attached to Permit No. SO49-0199726-012 and becomes part of that permit. The new permit numbers are SO49-0199726-013 and WT49-0199726-014.

Sincerely,

Vivian F. Garfein
Director, Central District

Date: _____

PERMITTEE:
Omni Waste of Osceola County, LLC (Omni)
Attention: Mr. Mike Kaiser

WACS#: 89544
Permit No. Revised SO49-0199726-012
Expiration Date: 01/11/2012

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 MODIFICATION and all copies were sent before the close of business on to the listed persons.

Clerk

VFG/gc/sj

Enclosures:

Appendix A - List of Documents Incorporated into Permit
Appendix B - Time Sensitive Specific Conditions

Copies furnished to:

Richard Tedder, P.E. - DEP - Tallahassee
Fred Wick, DEP - Tallahassee
Frank Hornbrook, DEP - Tallahassee
Brenda Ann Smith Clark, P.E. - HDR Engineering Inc. Brenda.Clark@hdrinc.com

Appendix A
List of Documents Incorporated Into the Permit

1. Request for Minor Permit Modification, Operation Permit, J.E.D. Solid Waste Management Facility, Prepared by HDR Engineering, Inc., Miami Lakes, Florida dated December 16, 2009. Received and stamped December 22, 2009, DEP – Central District.
2. First Request for Additional Information from Central District – DEP dated January 19, 2010.
3. Response to First Request for Additional Information, J.E.D. Solid Waste Management Facility, Class I, Prepared by HDR Engineering, Inc., Miami Lakes, Florida dated 18 February 2010. Received and stamped February 22, 2010, DEP – Central District.
4. Second Request for Additional Information from Central District – DEP dated March 16, 2010.
5. Response to Second Request for Additional Information, J.E.D. Solid Waste Management Facility, Class I, Prepared by HDR Engineering, Inc., Miami Lakes, Florida dated 19 March 2010. Received and stamped March 22, 2010, DEP – Central District.
6. Permit Application Completion Letter dated April 01, 2010 from DEP – Central District.

DRAFT

APPENDIX B
Time Sensitive Specific Conditions
Modification of DEP Permit Number SO49-0199726-012
DEP Permit Numbers SO49-0199726-013 and WT49-0199726-014

Specific Condition	Requirement	Action	Due Date
Modification #SO49-0199726-013			
76	ASR Recycling Operations Installation	The ASR recycling operations shall be installed in the active lined Cell 6	Obtain Department approval prior to relocation of the ASR operations
77	ASR Processing Capacity	Max daily processing capacity is approximately 550 tons	
80	Closure Requirements	Notify the Department of the planned closure and also post notice at the Facility weigh scales	30 days prior to closing
Modification #WT49-0199726-014			
83	Emergency Situations	Notify the Department in the event of a fire or other emergency if that emergency has potential off-site effects.	Immediately upon discovery
83	Emergency Situations	Submit a written report on the emergency involving fire or potential off-site impacts.	Within two weeks of the emergency.
84	Certification Requirements	Comply with the certification requirements of Rule 62-701.320(9)(b), F.A.C.	Upon completion of the construction and prior to the start of operation of waste tire processing facility
89	Tire Pile Dimensions	Outdoor tire pile or processed tire pile shall not exceed the following maximum dimensions: 50 feet wide, area of 10,000 square feet, and a height of 10 feet.	Seek prior Department approval for any deviations.

APPENDIX B
Time Sensitive Specific Conditions
Modification of DEP Permit Number SO49-0199726-012
DEP Permit Numbers SO49-0199726-013 and WT49-0199726-014

Specific Condition	Requirement	Action	Due Date
91	Processing Requirements	Process and remove for disposal at least 75% of the whole tires, and processed tires that are delivered to or contained on the site at the beginning of each year	By the end of the same year.
92	Quarterly Reports	Submit Quarterly Reports to the Department Central District Office summarizing information per Rule 62-711.530(3)(c) F.A.C.	No Later Than 20 th of month following the close of each Calendar Quarter
95	Maximum Storage	The maximum storage at the facility for whole waste tires, processed tires, and residuals shall be 313 tons, 313 tons, and 10 tons respectively. Additionally, minimal amount of tires destined for re-sale should be stored at site.	Seek prior Department Approval for any deviations.

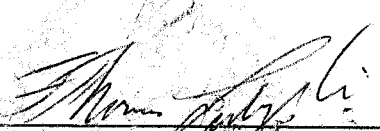
CERTIFICATION

J.E.D. Solid Waste Management Facility Class I Landfill – Modification of Permit No. SO49-0199726-012

Permit Application Nos. SO49-0199726-013 and WT49-0199726-014

I HEREBY CERTIFY that the engineering features described in the referenced application for an operation permit modification, 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 Sandeep Janwadkar working under my direct supervision.



F. Thomas Lubozynski, P.E.
Florida P.E. Number: 53935

Seal

5/10/2010

Date: _____

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	Intent to Issue/Denied Related
Contractor ID	
Facility Type	100
Document Subject	Permit Application Nos. SO49-0199726-013 and WT49-0199726-014, J.E.D. Facility, NOI to Issue Related

FILE COPY



RECEIVED

MAY 20 2010

DEP Central Dist.

1501 Omni Way, St. Cloud, FL 34773

May 10, 2010

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: Construction Drawings, Landfill Gas Collection and Control System - Sequence
3A, Phase 1 Disposal Area
JED 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 the enclosed construction drawings for installation of the Gas Collection and Control System (GCCS), Sequence 3A, for the JED Solid Waste Management Facility. The landfill gas wells and lateral piping shown on the drawings consist of remaining wells and piping required in Cells 1, 2 & 4 and two additional wells in the sideslope area of Cell 3. The layout of the wells and piping for this Sequence 3A are consistent with the design drawings submitted for the Phase 1 area, which were approved by the Florida Department of Environmental Protection, Central District, on May 20, 2008.

Please note the Phase 1 design submitted in 2008 only included a Sequence 3 series of landfill gas wells and lateral piping. Due to filling progress, the Sequence 3 system has been divided into two subsequences (3A and 3B). Installation of Sequence 3A is planned for June of this year and Sequence 3B for this fall or early spring of 2011. Both schedules meet the five-year/two-year criteria of the New Source Performance Standards §60.752(b)(2)(ii)(A)(2)(i)&(ii).

If you have any questions or require any additional information, please contact me at (904) 673-0446 or 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

5/21/10

Attachments

1-Copy Drawings

Cc: Ms. Caroline Shine, FDEP Air Resources Management – Central District (1 Copy Drawing Set)



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
Omni Waste of Osceola County, LLC (Omni)
1501 Omni Way
St. Cloud, FL 34773

OCD-SW-10-0153

Osceola County – SW WACS # 89544
J.E.D. Solid Waste Management Facility, Class I
Auto Shredder Recycling & Waste Tire
Storage Processing Operations – Minor Modification
Modification of Permit No. SO49-0199726-012
Permit Application No. SO49-0199726-013 and WT49-0199726-014 Complete

Dear Mr. Kaiser:

Your application for permit modification, DEP File Numbers SO49-0199726-013 and WT49-0199726-014 is considered complete. The original permit application was dated December 16, 2009 and received December 22, 2009. The final information making the permit application complete was dated March 19, 2010 and received on March 22, 2010. The Department will make a final determination about the permit application no later than June 20, 2010.

If you have any questions, please contact me at (407) 893-3328 or by e-mail at tom.lubozynski@dep.state.fl.us

Sincerely,

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

Date: April 1, 2010

FTL/gc/ew

cc: Brenda Ann Smith Clark, P.E. – HDR Engineering, Inc. Brenda.Clark@hdrinc.com

20
4-1-10

Williams, Elizabeth

From: Michael Kaiser [mkaiser@wasteservicesinc.com]
To: Williams, Elizabeth
Sent: Thursday, April 01, 2010 11:09 AM
Subject: Read: J.E.D. minor mod. application complete ltr 0153

Your message was read on Thursday, April 01, 2010 11:08:40 AM (GMT-05:00) Eastern Time (US & Canada).

FO 4-1-10

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 Appl. Related
Contractor ID	
Facility Type	Class I (100)
Document Subject	J.E.D.SWMF. Auto Shredder Residual Recy. & Waste Tire Storage Processing Oper—Minor Mod.SO49-0199726-013 & WT49-0199726-014. Permit Completion letter.



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 (Omni)
1501 Omni Way
St. Cloud, FL 34773

OCD-SW-10-0103

Osceola County – SW
J.E.D. Solid Waste Management Facility – Class I
WACS # 89544
Permit No. SO49-0199726-011
Approval of Certification of Construction Completion - Partial Closure of Side Slopes of Phase 1,
(24.4 acres)

Dear Mr. McCash:

This letter acknowledges the receipt of the "Certification Report Phase 1 Partial Closure J.E.D. Solid Waste Management Facility Osceola County, Florida" dated December 2009 and received by the Department on January 5, 2010. This report and the DEP Form 62-701.900(2) "Certification of Construction Completion of a Solid Waste Management Facility," was signed and sealed by Professional Engineer of Record Mr. Craig R. Browne, P.E. of Geosyntec Consultants. Additionally, "Response to Request for Additional Information" dated 24 February 2010 was received by the Department on February 25, 2010. These documents described activities associated with the construction of the partial closure of side slopes of the Phase 1 (Cells 1-4) system up to 180 feet NGVD. The partial closure was performed for management of storm water and to improve the function and safety of the Gas Collection and Control System operation. The As Built Survey Drawings titled "Existing Conditions"; "Top of Intermediate Fill"; "Top of Protective Cover"; "Top of Final Vegetative Layer"; and "Storm Water Management Details"; were signed and sealed on October 26, 2009 by William F. Grizzell, P.S.M. of John B. Webb & Associates, Inc. One additional As-Built Drawing titled "Geomembrane Panel Layout Record Drawing (Geosyntec)" was signed and sealed by Mr. Craig R. Browne, P.E. of Geosyntec Consultants. Department representatives inspected the partial closure work while in progress on 04/29/2009.

Based on the documentation submitted and the certification by the Professional Engineer of Record, the Department concurs that the partial closure of side slopes of Phase 1 (Cells 1-4) has been completed and is substantially consistent with plans and specifications approved in DEP Permit No. SO49-0199726-011.

70
3-16-10

If you have any questions, please contact George Cheryan or Sandeep Janwadkar at (407) 893-3328 or by e-mail at George.Cheryan@dep.state.fl.us or Sandeep.Janwadkar@dep.state.fl.us.

Sincerely,



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

Date: March 16, 2010

FTL/gc/sj

cc:

Mike Kaiser, Waste Services, Inc., mkaiser@wasteservicesinc.com
Craig R. Browne, P.E., Geosyntec Consultants, cbrowne@geosyntec.com
Fred Wick, Financial Coordinator, FDEP Tallahassee
Frank Hornbrook, FDEP Tallahassee

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 or denied Related
Contractor ID	
Facility Type	100, Class I
Document Subject	JED LF, Class I, Partial Closure of side slopes of Phase 1(Cells 1-4), Permit No. SO49-0199726-011, Approval of Certification of Construction Completion Report

CERTIFICATION

J.E.D. Landfill, Phase 1 (Cells 1-4) Class I – Partial Closure of Phase 1 Side Slopes

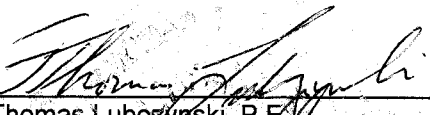
Permit No. SO49-0199726-011

I HEREBY CERTIFY that the engineering features described in the Certification of Construction Completion – Side Slopes Closure of Phase 1 (Cells 1-4), Class I (Approx. 24.4 Acres) provide reasonable assurance of compliance with the applicable provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Title 62.

"Certification Report Phase 1 Partial Closure J.E.D. Solid Waste Management Facility Osceola County, Florida" dated December 2009 was received by the Department on January 5, 2010. This report and the DEP Form 62-701.900(2) "Certification of Construction Completion of a Solid Waste Management Facility," was signed and sealed by Professional Engineer of Record Mr. Craig R. Browne, P.E. of Geosyntec Consultants. Additionally, *"Response to Request for Additional Information"* dated 24 February 2010 was received by the Department on February 25, 2010. These documents described activities associated with the construction of the partial closure system of side slopes of the Phase 1 (Cells 1-4) upto 180 feet NGVD. The partial closure was performed for management of storm water and to improve the function and safety of the Gas Collection and Control System operation. The As Built Survey Drawings titled "Existing Conditions"; "Top of Intermediate Fill"; "Top of Protective Cover"; "Top of Final Vegetative Layer"; and "Storm Water Management Details"; were signed and sealed on October 26, 2009 by William F. Grizzell, P.S.M. of John B. Webb & Associates, Inc. One additional As-Built Drawing titled "Geomembrane Panel Layout Record Drawing (Geosyntec)" was signed and sealed by Mr. Craig R. Browne, P.E. of Geosyntec Consultants. Based on the documentation submitted and the certification by the Professional Engineer of Record, I concur that the partial closure of side slopes of Phase 1 (Cells 1-4) has been completed and is substantially consistent with plans and specifications approved in DEP Permit No. SO49-0199726-011. The total approved area for partial closure of side slopes of Phase 1 (Cells 1-4) is approximately 24.4 acres.

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, and structural features).

This review was conducted by Sandeep Janwadkar working under my direct supervision.



F. Thomas Lubozynski, P.E.
Florida P.E. Number: 53935

Seal

3/16/2010

Date: _____

TO
3-16-10

Williams, Elizabeth

From: Shawn McCash [SMcCash@wasteservicesinc.com]
Sent: Tuesday, March 16, 2010 1:23 PM
To: Williams, Elizabeth
Cc: Michael Kaiser; cbrowne@geosyntec.com; Wick, Fred; Hornbrook, Frank; Lubozynski, Tom; Janwadkar, Sandeep; Cheryan, George
Subject: RE: JED approval of cert. of const. completion partial closure of side slopes of Ph. 1, ltr 0103

Received. Thank you.

Regards,

R. Shawn McCash

Sr. Vice President – Landfill Operations & Engineering



Waste Services, Inc.

2893 Executive Park Drive
Suite 305
Weston, Florida 33331
(954) 888-4302 [Office]
(954) 414-4352 [Fax]
(561) 613-1405 [Mobile]

From: Williams, Elizabeth [mailto:Elizabeth.Williams@dep.state.fl.us]
Sent: Tuesday, March 16, 2010 12:39 PM
To: Shawn McCash
Cc: Michael Kaiser; cbrowne@geosyntec.com; Wick, Fred; Hornbrook, Frank; Lubozynski, Tom; Janwadkar, Sandeep; Cheryan, George
Subject: JED approval of cert. of const. completion partial closure of side slopes of Ph. 1, ltr 0103

Attached is an Adobe Acrobat version of the " JED " 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



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
Omni Waste of Osceola County, LLC (Omni)
1501 Omni Way
St. Cloud, FL 34773

OCD-SW-010-0102

Osceola County - SW WACS # 89544
J.E.D. Solid Waste Management Facility, Class I
Auto Shredder Recycling & Waste Tire
Storage Processing Operations – Minor Modification
Second Request for Additional Information
Modification of Permit No. SO49-0199726-012
Permit Application No. SO49-0199726-013 and WT49-0199726-014

Dear Mr. Kaiser:

The additional information dated February 18, 2010 and received by the Department on February 22, 2010 was reviewed. The items listed on the attached page remain incomplete. Evaluation of your application will continue to 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. Also, an electronic version of the submittal would be appreciated.

If you have any questions, please contact me at (407) 893-3328 by e-mail at Tom.Lubozynski@dep.state.fl.us.

Sincerely,

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

Date: March 16, 2010

FTL/gc/sj
Enclosure

cc:
Brenda Ann Smith Clark, P.E. – HDR Engineering Inc., Brenda.Clark@hdrinc.com

Note that all references to "Report" in the following text refer to the document entitled, "First Request for Additional Information, Modification of Permit No. SO49-0199726-012, Permit Application No. SO49-0199726-013 and WT49-0199726-014", Prepared by: HDR Engineering Inc., Miami Lakes, Florida dated February 18, 2010.

Item 1: The Drawing Sheet No. 3 titled "Site Plan for Waste Tire Storage and Processing Operations" included in your response (Attachment B titled "Revised Engineering Drawings") shows the whole waste tire storage area with maximum storage height of 15 ft and width of 50 ft. The maximum storage height should be 10 ft instead of 15 ft based on the Osceola County Department of Fire Rescue and Emergency Medical Services Inspection results summarized in response to Item No. 3 of the first RAI. Additionally, show the location of the 40 cubic yards roll-off box residual tire storage area on the Drawing Sheet No. 3. The current location on the Drawing points to the processed tire storage area and indicates the maximum storage height of 15 feet. Submit the corrected drawing.

Item 2: Attachment F Revised Waste Tire Storage and Processing Plan: The Table of Contents refers to Sheet 1: Waste Tire Storage and Processing Area. Sheet 1 is missing in Attachment F. Additionally, several references are made to Sheet 1 in the text portion of the Revised waste Tire Storage and Processing Plan (For Example: Page 1, Section 2, Last Line; Page 2, Section 5.1, First Line and Section 5.2, First Line; Page 5, Rule 62-711.540(3)(e), First Line). Submit the missing Sheet 1.

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 Application Related
Contractor ID	
Facility Type	100 - Class I
Document Subject	Permit Application No. SO49-0199726-013 and WT49-0199726-014, J.E.D. Landfill, Second RAI

Williams, Elizabeth

From: Michael Kaiser [mkaiser@wasteservicesinc.com]
To: Williams, Elizabeth
Sent: Tuesday, March 16, 2010 12:28 PM
Subject: Read: JED second rai ltr 0102

Your message was read on Tuesday, March 16, 2010 12:28:14 PM (GMT-05:00) Eastern Time (US & Canada).

FW
3-16-10

Attention: Tom Lubozynski

Date: 18 February 2010

Job No: 120255

To: Florida Department of Environmental Protection
Central District Office
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803

Phone: 407-8972966

RECEIVED
FEB 22 2010

DEP Central Dist.

Regarding: J.E.D. Solid Waste Management Facility, Response to Request for Additional Information

We are sending you:

☒ Attached

☐ Under separate cover via _____ the following items

☐ Shop drawings

☐ Prints

☐ Plans

☐ Samples

☐ Specifications

☐ Copy of letter

☐ Change Order

☒ Other Response to Request for Additional Information

Copies	Date	No.	Description
4	Feb 2010		Response to Request for Additional Information

These are transmitted as checked below:

☒ For approval

☐ Approved as submitted

☐ Resubmit _____ copies for approval

☐ For your use

☐ Approved as noted

☐ Submit _____ copies for distribution

☐ As requested

☐ Returned for corrections

☐ Return _____ corrected prints

☐ For review/comment

☐ Other _____

☐ For bids due _____

☐ Prints returned after loan to us

Remarks

Copy to Mike Kaiser, Waste Services, Inc.

Signed Brenda S. Clark

If enclosures are not as noted, please notify us at once



ONE COMPANY | Many SolutionsSM

FILE COPY

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

18 February 2010
RECEIVED

FEB 22 2010

DEP Central Dist

Subject: Ocoola County – SW WACS #89544
J.E.D. Solid Waste Management Facility, Class I
Auto Shredder Residual Recycling & Waste Tire
Storage Processing Operations – Minor Modification
First Request for Additional Information
Modification of Permit No. SO49-0199726-012
Permit Application No. SO49-0199726-013 and WT49-0199726-014

Dear Mr. Lubozynski:

On behalf of Omni Waste of Osceola County, LLC (Omni), HDR Engineering, Inc. (HDR) is pleased to provide the Florida Department of Environmental Protection (FDEP) with a response to a first request for additional information, dated 19 January 2010, regarding the "Request for Minor Permit Modification, J.E.D. Solid Waste Management Facility" for the J.E.D. Solid Waste Management Facility, located in Osceola County, Florida. The remainder of this response letter provides the first set of requested additional information. For ease of review, the FDEP requested additional information is presented below in italics, followed by the response. A copy of the 19 January 2010 FDEP letter is presented in Attachment A.

RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION

FDEP Request for Additional Information 1

1. Engineering Drawings, Sheet 2, Site Plan for Auto Shredder Residual Recycling Operations: The auto shredder residual recycling operations typical layout provided on Sheet 2 is not drawn to scale and is shown to be approximately 150' x 250'. Provide a revised layout drawn to scale that shows the layout plan, elevation view, and the sectional details of how the recycling operations system is setup. If the operations are not under a roof or cover then provide information as to how leachate will be handled and provisions for securing the system in the event of major storm/hurricane.

Response to Request for Additional Information 1

A revised layout of the Auto Shredder Residual (ASR) Recycling Operations is provided in the attached Engineering Drawings, Sheets 2 and 2A. The revised Engineering Drawing is presented in Attachment B. Typical details, including approximate equipment sizes and pictures, are provided on Drawing Sheet 2A. Please note that the information provided in these drawings represents a typical layout of equipment needed to process the anticipated maximum volume of

HDR Engineering Inc.

15450 New Barn Road
Suite 304
Miami Lakes, FL 33014

Office: (305) 728-7400
Fax: (305) 728-7447
www.hdrinc.com

ASR based on the recoverable content. A lesser amount of equipment (i.e., only one 60 and 80 ESC unit each) may be initially assembled until such time the additional two units are needed. Also, the equipment dimensions shown on Sheet 2A may vary slightly based on equipment availability in the operator's inventory and new equipment fabrication dimensions. Therefore, it is difficult to provide an exact scaled layout on the drawings. However, by adding the dimensions shown on Sheet 2A and allowing for some variance in conveyor/equipment overlap and stockpile storage, the layout shown does require an area approximately 150' x 250' in size as previously stated.

As shown in the pictures provided on Sheet 2A, the recycling equipment generally consists of heavy steel conveyor and mechanical separation units without any loose components. The provisions for securing the site in the event of severe weather or hurricanes are described in Section 5.7 of the Operation Plan and would include securing the ASR recycling operations. The Operation Plan is provided in Attachment C.

The equipment is generally "skid or rubber tire mounted" and will not require any special anchoring or surface preparation other than providing a relatively flat surface. The equipment can be adjusted as necessary during operation if settlement becomes an issue. As shown on Drawing Sheet 2, the initial ASR recycling operations will be located within the active Cell 6 waste disposal area or will be located in an active lined area if relocated. Any leachate that may be generated from the operations would be collected in the leachate collection system of the active cell. Stormwater in and around the ASR recycling operations will be managed in accordance with the procedures listed for the active disposal area and overall facility in the Operation Plan and Environmental Resource Permit documents.

FDEP Request for Additional Information 2

2. Auto Shredder Residual Recycling Plan, Section 7, Employee Training: This section does not discuss the employee training requirements for operating the auto shredder residual recycling system. Does the operation of this system require any special training other than the Solid Waste Operator/Spotter training or with the on-duty landfill solid Waste trained and certified Operator/spotter be able to perform this function.

Response to Request for Additional Information 2

Other than knowledge and experience in operating industrial material transfer and screening type equipment, no specialized training will be required to operate the recycling equipment. However, employees operating the equipment will be trained in accordance with the requirements of a solid waste disposal facility in the State of Florida. Section 7 of the Auto Shredder Residual Recycling (ASRR) Plan has been revised to identify employee training requirements for operating the auto shredder residual recycling system. As presented in the revised ASRR Plan, the supervisor of the ASR recycling operations will complete initial and refresher training for a Solid Waste Management Facility Operator as described in Section 2.1.2 of the Operation Plan. Spotters and equipment operators at the ASR recycling operations will also receive training described in section 2.1.2. Additional safety and emergency response training will be provided in accordance with the Operation Plan and company guidelines.

The revised ASRR Plan is presented in Attachment D.

FDEP Request for Additional Information 3

3. DEP Form 62-701.900(23), Page 3 of 4, Part III-B-7: *Provide a copy of the fire safety survey.*

Response to Request for Additional Information 3

Approval correspondence from Mr. Danny McAvoy, Deputy Chief / Fire Marshal, of the Osceola County Department of Fire Rescue and Emergency Medical Services is provided in Attachment E. A representative of Mr. McAvoy's staff visited the facility on January 20, 2010, and discussed the waste tire storage and processing operations with Mr. Mike Kaiser of Omni. As noted in the approval correspondence from Mr. McAvoy, additional requirements and recommendations were incorporated into the facility Waste Tire Storage and Processing Plan (WTSP Plan) meeting the requirements of the Florida Fire Prevention Code, Chapter 33. The additional requirements and recommendations included a reduction of the maximum pile height from 15 ft to 10 ft, staging of additional fire fighting equipment at the storage and processing area, and general fire prevention practices. See Section 6 of the WTSP Plan provided in Attachment F.

FDEP Request for Additional Information 4

4. Waste Tire Storage Requirements and Prohibitions, Page 3, Section 5.3: *Provide a description of the procedures to be followed in the event of a fire, including procedures to contain and dispose of the oily materials generated by the combustion of large number of waste tires, Rule 62-711.540(1)(e)3, F.A.C.*

Response to Request for Additional Information 4

Procedures to be followed in the event of a fire are included in Section 5.2 of the Operation Plan and section 5.3 of the WTSP Plan. Procedures to contain and dispose of possible oily materials generated by the combustion of a large number of waste tires was previously addressed in Section 5.2.1 of the Operation Plan. Section 5.3 of the WTSP Plan has been revised to reference and include the procedures presented in Section 5.2.1 of the Operation Plan. The revised WTSP Plan is presented in Attachment F.

FDEP Request for Additional Information 5

5. DEP Form # 62-701.900(23), Page 2 of 4, Part II – C, Storage: *The maximum quantities of whole waste tires, processed waste tires, and processing residuals, in tons stored at the facility, in accordance with Rule 62-711.530(2), F.A.C. is shown as 948 tons. Page 1, Paragraph 2 of Exhibit A states that no more than 13,200 tons of the aggregate of whole tires, processed tires and residuals, or 6,600 tons of whole waste tires could be stored at the WTSP area at any one time. Provide an explanation, since the latter statement is not in agreement with the requested maximum storage of 948 tons at any one time shown in the permit application. The cost estimate is also dependent on the maximum storage of tires at any one time.*

Response to Request for Additional Information 5

On Page 1, Paragraph 2 of Exhibit A, there is a statement regarding the amount of tires that **could** be stored on site, in accordance with the requirements of Rule 62-711.530(2), FAC. However, at the bottom of Paragraph 3 of the same page, it states that Omni does not plan to store the maximum allowable number of waste tires as calculated.

The following sections of the Exhibit A go on to calculate the quantity of tires that will be stored by Omni at the WTSP Area. These calculations have been revised based on a maximum storage height of 10 ft, as required by the Osceola County Department of Fire Rescue and Emergency Medical Services and Chapter 33 of the Florida Fire Prevention Code. The revised calculations are included in the Revised WTSP Plan that is presented in Attachment F.

Page 2 of 4 of the DEP Form # 62-701.900(23) has been revised and is presented in Attachment G.

FDEP Request for Additional Information 6

6. Closure Cost Estimate: The Department agrees that the closure cost estimate to close the ASR recycling and waste tire storage and processing operation are not included in this request for minor modification. The Department has received the revised cost estimate for the J.E.D. facility submitted under separate cover by Geosyntec Consultants for the partial closure project dated December 31, 2009, which includes the closure cost estimate for the ASR recycling and waste tire storage and processing operations. Approval of the closure cost estimate for this project is contingent upon approval of the revised closure cost estimate submitted by Geosyntec Consultants for the J.E.D. facility, dated December 31, 2009.

Response to Request for Additional Information 6

Although a reduction was made in the quantity of whole waste tires and processed tires that can be stored at the facility based on height restrictions by the Osceola County Department of Fire Rescue and Emergency Medical Services, Omni proposes **not** to revise the approved closure cost estimates previously submitted under separate permit modification. Omni is acceptable to the over estimate of closure costs based on the reduction in storage of whole tires and processed tires under this permit modification request.

FDEP Request for Additional Information 7

7. Financial Assurance: Before the application can be deemed complete, a financial mechanism must be funded in the amount specified in the approved cost estimate and accepted by the Department's Financial Coordinator. 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.

Response to Request for Additional Information 7

Comment is noted. No response is required.

CONCLUSION

On behalf of Omni, HDR is pleased to provide FDEP with this response to the first request for additional information regarding the "Request for Minor Permit Modification, J.E.D. Solid Waste Management Facility" for the J.E.D. Solid Waste Management Facility. Should you have any questions regarding the information presented in this response letter, please contact Mr. Mike Kaiser at (904) 673-0446 or the undersigned at (954) 817-6953.

Sincerely,

Brenda Ann Smith Clark

Brenda Ann Smith Clark, P.E.
Senior Project Manager

18 February 2010

Attachments

Copy to: Mr. Mike Kaiser, Waste Services, Inc.

Memorandum

Florida Department of
Environmental Protection

TO: G. DePRADINE

FROM: T. LUBOZYNSKI, P.E.

DATE: FEBRUARY 23, 2010

SUBJECT: County: OSCEOLA

Permit/OGG: MODIF. OF SOL49-0199726-012

PERMIT APPLICATION NOS. SOL49-0199726-013 & WT49-0199726-014

Facility: J.E.D. SW MF, CLASS I.

Attachment: ✓ AUTO SHREDDER RESIDUAL RECYCLING & WASTE TIRE STORAGE PROCESSING OPERATION

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 MARCH 10, 2010)

☐ As soon as possible for your schedule.

Comments: _____

cc: S. JANWADKAR



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 (Omni)
1501 Omni Way
St. Cloud, FL 34773

OCD-SW-10-0053

Osceola County – SW WACS # 89544
J.E.D. Solid Waste Management Facility – Class I
Minor Modification Application for Revised Financial Assurance
Partial Closure of Side Slopes of Phase 1 – Certification Report
Review Comments
Permit No. SO49-0199726-011

Dear Mr. McCash:

Geosyntec Consultants submitted the following two reports on your behalf:

- 1) "Minor Modification Application for Revised Financial Assurance, Phase 1 Partial Closure Construction, J.E.D. Solid Waste Management Facility Osceola County, Florida". It was dated December 2009 and received January 5, 2010.
- 2) "Certification Report Phase 1 Partial Closure J.E.D. Solid Waste Management Facility Osceola County, Florida". It was dated December 2009 and received by the Department on January 5, 2010. This report was signed and sealed by Professional Engineer of Record Mr. Craig R. Browne, P.E. of Geosyntec Consultants.

The Department has completed the review of these two documents; our comments are attached. Submit two hard copies of the requested information to the Department. (Reference the above permit number in your correspondence.) Final approval of these two documents will be delayed until all the requested information has been received.

If you have any questions, please contact me at (407) 893-3328 or by e-mail at tom.lubozynski@dep.state.fl.us.

Sincerely,

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

Date: February 9, 2010

FTL/sj

cc:

Craig R. Browne, P.E., Geosyntec Consultants, cbrowne@geosyntec.com
Mike Kaiser, Waste Services, Inc., mkaiser@wasteservicesinc.com
Fred Wick, Financial Coordinator, FDEP Tallahassee
Frank Hornbrook, FDEP Tallahassee

TO
2-9-10

Note that the following comments refer to the document titled, "Minor Modification Application for Revised Financial Assurance, Phase 1 Partial Closure Construction, J.E.D. Solid Waste Management Facility Osceola County, Florida", Prepared by: Geosyntec Consultants, 14055 Riveredge Drive, Suite 300, Tampa, FL 33637 dated December 2009.

1. Section 3. Financial Assurance Cost Estimate for Phase 1 Partial Closure, Page 3, Table:

Please note that the Current Approved Closure Cost Estimate (Cells 1-6) listed in the first Row of this Table for Closure Cost (\$6,467,502.27) and Long-Term Care Cost (\$6,536,404.23) does not match with the Department's cost estimates approved via Department Letter No. OCD-SW-09-0138 dated May 5, 2009. The approved closure cost was \$6,759,816.81 and long-term care cost for 30 years was \$6,717,874.81. Based on these FY 2009 approved costs, the Department approves the following closure and long-term care cost estimates for FY 2010 for the facility.

Identification	Closure Cost Estimate	Long-Term Care Cost Estimate	Financial Assurance Cost Estimate
FY 2009 Current Approved Closure Cost Estimate (Cells 1-6)	\$6,759,816.81	\$6,717,874.81	\$13,477,691.62
Revised Closure Cost Estimate (Cells 1-6)	Total Closing Cost is \$4,763,710.72 instead of \$4,722,141.72 (Math Error on Page 6 of 11 of DEP Form 62-701.900(28))		
Inflation Adjustment of Long-Term Care Costs for FY 2010 (Factor 1.02) due March 1, 2010		$(1.02 \times \$6,717,874.81) = \$6,852,232.06$	
Revised Closure Cost Estimate (Cells 1-6) to: 1) reduce closure cost for Phase 1 Partial Closure of Approx. 25 Acres; and 2) addition of Waste Tire Storage and Processing Facility and Auto Shredder Residual Recycling Operations	\$4,763,710.72	\$6,852,232.06	\$11,615,942.78

Do you agree with the changes explained in the above table? If yes, please submit the revised corrected page 6 of 11 of DEP Form 62-701.900(28). If you do not agree with the changes, please provide explanation.

Note that the following comments refer to the document titled, "Certification Report Phase 1 Partial Closure J.E.D. Solid Waste Management Facility Osceola County, Florida", Prepared by: Geosyntec Consultants, 14055 Riveredge Drive, Suite 300, Tampa, FL 33637 dated December 2009.

1. **Section 3.3, Minor Changes for Construction, Page 3-2, Paragraph 2, Second Last Sentence:** This sentence states that the actual area of closure construction was reduced by approximately 2.6 acres. However, the Certification of Construction Completion of a Solid Waste Management Facility submitted with this document indicates Site Acreage Phase 1 Closure – Apprx. 25 Acres which is slightly higher than 24.7 acres listed in DEP Permit No. SO49-0199726-011 based on your application for Intermediate Permit Modification dated November 2008 (Reference No. 1 - Appendix A of DEP Permit No. SO49-0199726-011). Please correct this discrepancy. Provide correct acreage closed as part of this Phase 1 partial closure. If necessary, submit the revised Certification of Construction Completion of a Solid Waste Management Facility.
2. **Appendix C, Daily Field Reports:** The last daily field report in this Appendix is dated 19 August 2009. However, a review of the construction photos presented in Appendix B indicates construction activities were ongoing until 17 November 2009. It appears that some of the daily field reports are missing. Did the construction quality assurance (CQA) oversight end on 19 August 2009? Submit the missing daily field reports or provide clarification.
3. **Appendix H, Cap Protective Cover Field Nuclear Moisture Density Logs:** The Pass/Fail information is not provided on the Field Nuclear Density Test Log dated July 21, 2009 (second last page in this Appendix). Submit the missing information.
4. **Appendix P, Geomembrane Trial Seam Logs (Fusion and Extrusion):** Provide clear definition of project criteria for Pass/Fail associated with Shear tests. It appears that the shear tests passing criteria listed in the top portion of the trial seam logs is 120 ppi. Is this correct? If yes, then several samples are listed as having passed the shear test even though the test results were below 120 ppi. However, it appears that the specified values of Shear Strength for both Fusion and Extrusion for smooth or textured geomembrane are 60 ppi for LLDPE, and 80 ppi for HDPE based on review of the Technical Specifications (Table 02770-2, Page 02770-21 in Appendix C) presented in your Partial Landfill Closure Application for Intermediate Modification dated November 2008, Clarify this discrepancy.
5. **Appendix S, Geomembrane Field Destructive Test Log:** Several sheets have missing field data in the destructive test log sheets presented in this Appendix. Specifically, second to last row of page 6 of 11, and page 8 of 11 thru page 11 of 11. Submit the missing data or provide explanation why the data is not presented. Additionally, clarify the Pass/Fail Criteria associated with shear tests. Refer to similar comments in Comment No. 4 above. Table 5-3A presented in this Appendix has 60 ppi as specified shear strength for both fusion and extrusion in Note No. 4. Destructive test log sheets (page 1 of 11 thru 11 of 11) lists project requirement for shear as 120 ppi.
6. **Appendix Y, Geotextile Conformance Test Results (TRI):** The TRI cover sheet dated March 18, 2009 presented in this Appendix lists Permittivity (ASTM D 4491) as one of the required test for the six samples. However the test results for three out of the six samples does not include the results of the permittivity tests. Specifically, sample ID 1010172958 on Page 2 of 7, sample ID 101072991 on page 5 of 7, and sample ID 101072995 on page 6 of 7. Similarly, permittivity test data is missing for several of other samples in two other data sets (page 4 of 9 thru pages 6 of 9, page 8 of 9, page 9 of 9, pages 3 and 4 of 7, and pages 6 of 7 and 7 of 7) presented in this Appendix.

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

✓ OK Ema
✓

County	Osceola
Facility ID #	89544
Document Date	
Received Date	
Doc Type	Cost Estimate Related and Permit Issued/Denied Related (Miscellaneous)
Contractor ID	
Facility Type	100
Document Subject	J.E.D. SWMF, Class I - Phase I, Partial Closure of Side Slopes, Permit App. No. SO49-199726-011 Comments related to FY 2010 Cost Estimates, and Certification of Construction Completion Report Phase I partial closure

Need to Create Supplement Index in Oculus.

Williams, Elizabeth

From: Shawn McCash [SMcCash@wasteservicesinc.com]
Sent: Tuesday, February 09, 2010 2:47 PM
To: Williams, Elizabeth
Cc: cbrowne@geosyntec.com; Michael Kaiser; Wick, Fred; Hornbrook, Frank; Lubozynski, Tom; Janwadkar, Sandeep; Cheryan, George
Subject: RE: JED minot mod. review comments ltr 0053

Received.

R. Shawn McCash

Sr. Vice President – Landfill Operations & Engineering



Waste Services, Inc.

2893 Executive Park Drive
Suite 305
Weston, Florida 33331
(954) 888-4302 [Office]
(954) 414-4352 [Fax]
(561) 613-1405 [Mobile]

From: Williams, Elizabeth [mailto:Elizabeth.Williams@dep.state.fl.us]
Sent: Tuesday, February 09, 2010 2:44 PM
To: Shawn McCash
Cc: cbrowne@geosyntec.com; Michael Kaiser; Wick, Fred; Hornbrook, Frank; Lubozynski, Tom; Janwadkar, Sandeep; Cheryan, George
Subject: JED minot mod. review comments ltr 0053

Attached is an Adobe Acrobat version of the "J.E.D. minor mod." 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.

FO
2-9-10

Williams, Elizabeth

From: Michael Kaiser [mkaiser@wasteservicesinc.com]
To: Williams, Elizabeth
Sent: Tuesday, January 19, 2010 11:31 AM
Subject: Read: JED first rai REVISED with date 0023

Your message was read on Tuesday, January 19, 2010 11:30:59 AM (GMT-05:00) Eastern Time (US & Canada).

FO
1-19-2010



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
Omni Waste of Osceola County, LLC (Omni)
1501 Omni Way
St. Cloud, FL 34773

OCD-SW-10-0023

Osceola County – SW WACS # 89544
J.E.D. Solid Waste Management Facility, Class I
Auto Shredder Residual Recycling & Waste Tire
Storage Processing Operations – Minor Modification
First Request for Additional Information
Modification of Permit No. SO49-0199726-012
Permit Application Nos. SO49-0199726-013 and WT49-0199726-014

Dear Mr. Kaiser:

HDR submitted on your behalf, "Request For Minor Permit Modification." It was dated December 16, 2009 and received December 22, 2009. We have assigned permit numbers SO49-0199726-013 and WT49-0199726-014 to the application. The application 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,

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

Date: January 19, 2010

FTL/gc/ew

Enclosure

cc: Brenda Ann Smith Clark, P.E. – HDR Engineering, Inc. Brenda.clark@hdrinc.com

FO
1-19-2010

Note that all references to "Report" in the following text refers to the document entitled, "Request For Minor Permit Modification, Operation Permit, J.E.D. Solid Waste Management Facility," Prepared by: HDR, Miami Lakes, Florida, dated December 16, 2009.

1. Engineering Drawings, Sheet 2, Site Plan for Auto Shredder Residual Recycling Operations: The auto shredder residual recycling operations typical layout provided on Sheet 2 is not drawn to scale and is shown to be approximately 150' X 250'. Provide a revised layout drawn to scale that shows the layout plan, elevation view, and the sectional details of how the recycling operations system is setup. If operations are not under a roof or cover then provide information as to how leachate will be handled and provisions for securing the system in the event of major storm/hurricane.
2. Auto Shredder Residual Recycling Plan, Section 7, Employee Training: This section does not discuss the employee training requirements for operating the auto shredder residual recycling system. Does the operation of this system require any special training other than the Solid Waste Operator/Spotter training or will the on-duty landfill Solid Waste trained and certified Operator/Spotter be able to perform this function?
3. DEP Form 62-701.900(23), Page 3 of 4, Part III-B-7: Provide a copy of the fire safety survey.
4. Waste Tire Storage Requirements and Prohibitions, Page 3, Section 5.3: Provide a description of the procedures to be followed in the event of a fire, including procedures to contain and dispose of the oily materials generated by the combustion of large number of waste tires, Rule 62-711.540(1)(e)3, F.A.C.
5. DEP Form # 62-701.900(23), Page 2 of 4, Part II – C, Storage: The maximum quantities of whole waste tires, processed waste tires, and processing residuals, in tons stored at the facility, in accordance with Rule 62-711.530(2), F.A.C. is shown as 948 tons. Page 1, Paragraph 2 of Exhibit A states that no more than 13,200 tons of the aggregate of whole tires, processed tires and residuals, or 6,600 tons of whole waste tires could be stored at the WTSP area at any one time. Provide an explanation, since the latter statement is not in agreement with the requested maximum storage of 948 tons at any one time shown in the permit application. The cost estimate is also dependent on the maximum storage of tires at any one time.
6. Closure Cost Estimate: The Department agrees that the closure cost estimate to close the ASR recycling and waste tire storage and processing operation are not included in this request for minor modification. The Department has received the revised cost estimate for the J.E.D. facility submitted under separate cover by Geosyntec Consultants for the partial closure project dated December 31, 2009, which includes the closure cost estimate for the ASR recycling and waste tire storage and processing operations. Approval of the closure cost estimate for this project is contingent upon approval of the revised closure cost estimate submitted by Geosyntec Consultants for the J.E.D. facility, dated December 31, 2009.
7. Financial Assurance: Before the application can be deemed complete, a financial mechanism must be funded in the amount specified in the approved cost estimate and accepted by the Department's Financial Coordinator. 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
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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 Appl. Related
Contractor ID	
Facility Type	Class I (100)
Document Subject	J.E.D.SWMF. Auto Shredder Residual Recy.& Waste Tire Storage Processing Oper.-Minor Mod. SO49-0199726-013 &WT49-0199726-014. First RAI

Memorandum

Florida Department of
Environmental Protection

TO: G. DEPRADINE

FROM: T. LUBOZYNSKI, P.E.

DATE: DECEMBER 29, 2009

SUBJECT: County: OSCEOLA

Permit/OGG: MODIF. OF S049-0199726-012
PERMIT APPLICATION NOS. S049-0199726-013 & WT49-0199726-014

Facility: J.E.D. SOLID WASTE MANAGEMENT FACILITY - CLASS I

Attachment: ✓ AUTO SHREDDER RESIDUAL RECYCLING & WASTE TIRE STORAGE
PROCESSING OPERATIONS

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 January 12, 2010)

☐ As soon as possible for your schedule.

Comments: _____

CC: S. JANUADKAR

OK #'s
151375
151376

Transmittal

Attention: Tom Lubozynski

Date: 18 Dec 2009

Job No: 120255

To: Florida Department of Environmental Protection
Central District Office
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803

Phone: 407-8972966

Regarding: J.E.D. Solid Waste Management Facility, Request for Minor Permit Modification

We are sending you:

☒ Attached

☐ Under separate cover via _____ the following items

☐ Shop drawings

☐ Prints

☐ Plans

☐ Samples

☐ Specifications

☐ Copy of letter

☐ Change Order

☒ Other Request for Permit Modification

Copies	Date	No.	Description
4	Dec 2009		Request for Permit Modification – Operation Permit
1	Oct 2009		Application Fee - \$250
1	Oct 2009		Application Fee \$1250

RECEIVED
DEC 22 2009
DEP Central Dist.

These are transmitted as checked below:

☒ For approval

☐ Approved as submitted

☐ Resubmit _____ copies for approval

☐ For your use

☐ Approved as noted

☐ Submit _____ copies for distribution

☐ As requested

☐ Returned for corrections

☐ Return _____ corrected prints

☐ For review/comment

☐ Other _____

☐ For bids due _____

☐ Prints returned after loan to us

Remarks

Copy to **Mike Kaiser, Waste Services, Inc.**

Signed **Brenda S. Clark**

If enclosures are not as noted, please notify us at once

PERMIT DATA FORM

CHECK IF NEW:

0199726

MOD ☒ NEW ☐ RENEWAL

SITE WAFR # AIR #

SITE/WAFER/FACILITY NAME: J E D S W M F

PROJECT NAME: _____

DESC: _____

TYPE CODE: WT

SUBCODE: 02

CHECK IF GP ☐ EXEMPT ☐ NPDES ☐

CORRECT FEE: 1250 -

PROCESSOR: 85 Page
AMOUNT RCV'D: 1250 -

AMOUNT REFUND: -

MONIES DUE: _____

PERMIT DATA FORM

CHECK IF NEW: 0199726

MOD ☒ NEW ☐ RENEWAL

SITE WAFR # AIR # _____

SITE/WAFER/FACILITY NAME: WSI JED SKMF

PROJECT NAME: _____

DESC: _____

TYPE CODE: SO SUBCODE: MM

CHECK IF GP ☐ EXEMPT ☐ NPDES ☐

CORRECT FEE: 250-

PROCESSOR: SJ f r g c.

AMOUNT RCV'D: 1250
250
- 1500 -

AMOUNT REFUND: _____

MONIES DUE: _____

s, Elizabeth

From: Michael Kaiser [mkaiser@wasteservicesinc.com]
Sent: Monday, June 22, 2009 7:45 PM
To: Williams, Elizabeth
Subject: RE: J.E.D. approval of gas collection & control system cert. report 0184

Thanks, we received the document.

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

From: Williams, Elizabeth [mailto:Elizabeth.Williams@dep.state.fl.us]
Sent: Monday, June 22, 2009 7:54 AM
To: Shawn McCash
Cc: KBaduTweneboah@Geosyntec.com; Michael Kaiser; Lubozynski, Tom; Janwadkar, Sandeep; Cheryan, George
Subject: J.E.D. approval of gas collection & control system cert. report 0184

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

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

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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
FAX 407/893-3124

FO
6-23-09



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 (Omni)
1501 Omni Way
St. Cloud, FL 34773

OCD-SW-09-0184

Osceola County – SW
J.E.D. Solid Waste Management Facility – Class I
WACS # 89544
Permit No. SC49-0199726-004 and SO49-0199726-005
Approval of the Gas Collection and Control System (GCCS) Phase I, Sequence 1 & 2 Certification Report

Dear Mr. McCash:

This letter acknowledges the receipt of the *Gas Collection and Control System (GCCS) Phase 1, Sequence 1 & 2 Certification Report*, dated April 15, 2009 and received by the Department on April 16, 2009, and *Response to Request for Additional Information* report dated May 11, 2009 and received by the Department on May 13, 2009. These documents were prepared by Kirk Wills, of Geosyntec Consultants. They described the installation of the gas collection and control system (GCCS) phase 1, sequence 1 & 2 including the flare station. The DEP Form "Certification of Construction Completion of a Solid Waste Management Facility," was signed and sealed by Kwasi Badu-Tweneboah on April 4, 2009. The drawings labeled "As-Built Survey – GCCS Phase 1, Sequence 1 & 2 (Sheets 1 of 2 and 2 of 2)" were signed and sealed by Barry W. Prewitt, P.S.M. on May 05, 2009.

Based upon the inspection conducted by the Department Representatives on 04/29/2009, the construction of the Phase 1, Sequence 1 & 2 of the Gas Collection and Control System, as certified by the Professional Engineer of Record, has been completed and is substantially consistent with plans and specifications approved in DEP Permit Nos. SC49-0199726-004, and SO49-0199726-005.

If you have any questions, please contact George Cheryan or me at (407) 893-3328 or by e-mail at George.cheryan@dep.state.fl.us or tom.lubozynski@dep.state.fl.us.

Sincerely,

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

Date: June 22, 2009

FTL/sj

cc:

Kwasi-Badu Tweneboah, Ph.D., P.E., Geosyntec Consultants, kbadutweneboah@geosyntec.com
Mike Kaiser, Waste Services, Inc., mkaiser@wasteservicesinc.com

70-22-09

Williams, Elizabeth

From: Shawn McCash [SMcCash@wasteservicesinc.com]
Sent: Monday, June 22, 2009 10:23 AM
To: Williams, Elizabeth
Subject: RE: J.E.D. approval of gas collection & control system cert. report 0184

Received. Thank you.

Regards,

R. Shawn McCash

Sr. Vice President – Landfill Operations & Engineering



Waste Services, Inc.
2893 Executive Park Drive
Suite 305
Weston, Florida 33331
(954) 888-4302 [Office]
(954) 414-4352 [Fax]
(561) 613-1405 [Mobile]

From: Williams, Elizabeth [mailto:Elizabeth.Williams@dep.state.fl.us]
Sent: Monday, June 22, 2009 7:54 AM
To: Shawn McCash
Cc: KBaduTweneboah@Geosyntec.com; Michael Kaiser; Lubozynski, Tom; Janwadkar, Sandeep; Cheryan, George
Subject: J.E.D. approval of gas collection & control system cert. report 0184

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Elizabeth Williams
elizabeth.williams@dep.state.fl.us
Administrative Secretary - Waste Management

70
6-22-09



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

EMAIL
mkaiser@wsii.us

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

OCD-SW-09-0138

Osceola County - SW
J.E.D. Solid Waste Management Facility
Omni Waste of Osceola County, LLC
Permit Number SO49-0199726-004/005
WACS # 89544
Approval of Closure and Long-Term Care Cost Estimates

Dear Mr. Kaiser:

The Department has reviewed the document "Financial Assurance Cost Estimate Form" for J.E.D Solid Waste Management Facility, dated February 5, 2009. The document was signed by you. The inflation adjustment factor of 1.025 was used to calculate the closure and long-term care estimates. The closure cost is estimated at \$6,759,816.81. The long-term care cost for 30 years is estimated at \$6,717,874.81. The cost estimates are approved by the Department.

The documentation to demonstrate financial assurance must be sent to Frank Hornbrook, FDEP Solid Waste Section, MS-4565, 2600 Blair Stone Road, Tallahassee, Florida 32399.

If you have any questions or need additional information regarding this letter please contact Gloria-Jean DePradine at (407) 893-3994 or by email at Gloria.depradine@dep.state.fl.us or Frank Hornbrook at (850) 245-8745 or by email at Frank.Hornbrook@dep.state.fl.us

Sincerely,

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

Date: May 5, 2009

FTL/gnd

cc: Fred Wick, Financial Coordinator, FDEP, Fred.Wick@dep.state.fl.us
Frank Hornbrook, FDEP, Frank.Hornbrook@dep.state.fl.us



1501 Omni Way, St. Cloud, Florida 34773

February 5, 2009

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 09 2009

DEP Central Dist.

Re: Annual Financial Assurance Renewal - 2009
J.E.D. Solid Waste Management Facility
Omni Waste of Osceola County, LLC
Osceola County, Florida
Permit Nos. SC49-0199726-004 & SO49-0199726-005

Dear Mr. Lubozynski:

Please find attached the 2009 adjusted financial assurance cost estimate for the J.E.D. Solid Waste Management Facility. The most recent approved 2008 closure cost estimate of \$6,594,943.23 and long-term care cost estimate of \$6,554,024.20 have been increased by the annual adjustment provided in the attached FDEP Memorandum dated January 12, 2009. As requested in the Memorandum, the financial assurance adjustment is being submitted to your Department for review and approval. Upon your approval, I will ask our bonding company to issue a new certificate of insurance for the adjusted amount shown.

If you have any questions or require any additional information, please contact me at (904) 673-0446 or by e-mail 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. Frank Hornbrook, FDEP Tallahassee

Janwadkar, Sandeep

From: Hornbrook, Frank
Sent: Friday, January 23, 2009 1:08 PM
To: Lubozynski, Tom
Cc: Cheryan, George
Subject: RE: Financial Assurance for JED - revised

Mr. Lubozynski,

What Mr. Kaiser has stated was my understanding of the intended submission of the partial closure estimate. However I agree with you that a recalculated estimate is needed for all cells 1-6. They should do this however after the partial closure is completed and District certified. As to begin partial closure now, I can verify that they are currently in FA compliance for cells 1-6 and from a FA standpoint (at least to amounts listed below) they may proceed with any partial closure activities. The monies they use to complete the partial closure will not be financial assurance money, but operational monies, and they may not lower the financial assurance until the partial closure is completed and district certified. When the partial closure is certified they should be required to submit a recalculated estimate for the entire facility due to a change in closure plan and wished reduction in FA obligations, if this is completed sometime in 2009 they can use the partial closure recalculated estimate information as you stated infused into the total estimate. These things I stated would only be correct if the situation is as Mr. Kaiser states and as I had interpreted, of course I don't have all the information.

For the currently due 2009 annual estimates, I guess it would depend on how long this partial closure would take to be certified complete. Probably longer than March 1, so I would suggest allowing them to inflation adjust cells 1-6 (and not considering the partial closure amount in that adjustment) but using the following to inflation adjust.

9/30/2008 – Total for Facility Cells 1-6	\$6,594,943.23	\$6,554,024.20	Approved by DEP; amount currently funded
--	----------------	----------------	--

This will mean they will probably submit two estimates in 2009, the first increasing the total FA by inflation adjustment and the second, if approved, lowering it by an approved recalculated estimate. I don't know the future fill sequence but if additional cells come on line that of course would mean other adjustments. It would be nice if they engineered their cells a bit larger because I have noted multiple modification to financial annually for the past couple years and this of course leads to confusion.

Frank Hornbrook

From: Michael Kaiser [mailto:mkaiser@wasteservicesinc.com]
Sent: Friday, January 23, 2009 11:51 AM
To: Lubozynski, Tom
Cc: Shawn McCash; Cheryan, George; Janwadkar, Sandeep; Hornbrook, Frank; Wick, Fred; CBrowne@Geosyntec.com
Subject: RE: Financial Assurance for JED - revised

Mr. Lubozynski:

Thanks for the follow-up strikethrough clarifications. I was just responding to your earlier e-mail and the strikethrough information clears up a lot of confusion. Can we try and coordinate a telephone call to discuss as there is still some

confusion on my end. Maybe we submitted and responded to your RAI questions with some confusion on what was requested or intended?

The information you provide in your latest e-mail supports the point I was trying to make in my previous e-mails. We submitted a cost estimate in December 2008 for partial closure of areas of Cells 1-4 based on your RAI request for the Permit Modification to complete closure. This was not intended as a revision to any current approved estimates supporting our current closure financial assurance mechanisms. We stand by the current approved closure and post-closure estimates for Cells 1-6, and the insurance mechanism in-place and approved by FDEP Tallahassee. If the entire facility were to close today, those are the estimated costs/funds we would be needed to close all active areas and perform post-closure monitoring. The estimate we provided in December for \$2,210,980 was an estimate of construction costs to complete the partial closure in Cells 1-4. We submitted this detail estimate based on the RAI request assuming it would be used for reducing the current estimate once construction was completed and approved, not as an increase or revision to any current approved estimate. Our intent would be to request a reduction of \$2,210,980 from our current total closure estimate of \$6,594,943 when the partial closure is complete (since the partial closure occurred within the Cell 1-6 area). I revised your table below to show how I understand the numbers would work out.

Thanks,

Date	Closure Estimate	Long-Term Care Estimate	Basis
2/7/2008 e-mail to Mike Kaiser	\$5,435,168.89	\$6,114,173.73	Inflation adjustment approved by DEP on 12/20/2007
9/30/2008 – Cell 6 only	\$1,159,774.34	\$439,850.47	Information from JED
9/30/2008 – Total for Facility Cells 1-6	\$6,594,943.23	\$6,554,024.20	Approved by DEP; amount currently funded
12/30/2008 – Partial closure Cells 1-4, Phase I	(\$2,210,980.06)	No change	Estimate for partial closure of Cells 1-4
01/22/2009 - Total for Facility Cells 1-6, remaining areas after partial closure	\$4,383,963.17	No change	We understand long-term care cannot be reduced until the entire facility is closed

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

From: Lubozynski, Tom [mailto:Tom.Lubozynski@dep.state.fl.us]

Sent: Friday, January 23, 2009 10:34 AM

To: Lubozynski, Tom; Michael Kaiser

Cc: Shawn McCash; Cheryan, George; Janwadkar, Sandeep; Hornbrook, Frank; Wick, Fred

Subject: RE: Financial Assurance for JED - revised

TO: All

I made revisions to my e-mail below. I referred to the December 30, 2008 cost estimate incorrectly. It was a cost estimate for the partial closure of Phase 1, not the closure of Cell 6.

Tom

From: Lubozynski, Tom

Sent: Friday, January 23, 2009 10:13 AM

To: 'Michael Kaiser'

Cc: Shawn McCash; Cheryan, George; Janwadkar, Sandeep; Hornbrook, Frank; Wick, Fred; Lubozynski, Tom

Subject: Financial Assurance for JED

TO: Mike Kaiser

WSI must fund a financial assurance mechanism of \$7,646,148.95 for total closure costs and \$6,554,024.20 for long-term care costs before permit modification -011 can be issued. The only change has been an increase in the total cost for closure for Cells 1-6. It was changed because WSI submitted a revised cost estimate for ~~Cell 6 closure~~ partial closure.

Date	Closure Estimate	Long-Term Care Estimate	Basis
2/7/2008 e-mail to Mike Kaiser	\$5,435,168.89	\$6,114,173.73	Inflation adjustment approved by DEP on 12/20/2007
9/30/2008 – Cell 6 only	\$1,159,774.34	\$439,850.47	Information from JED
9/30/2008 – Total for Facility Cells 1-6	\$6,594,943.23	\$6,554,024.20	Approved by DEP; amount currently funded
12/30/2008 – cell 6 only Partial closure Phase I	\$2,210,980.06	No change	New closure estimate for cell 6 partial closure
01/22/2009 - Total for Facility Cells 1-6	\$7,646,148.95 (= \$5,435,168.89 + \$2,210,980.06)	\$6,554,024.20 (= \$6,114,173.73 + \$ 439,850.47)	Latest DEP approved estimate; increase based on new closure cost estimate for cell 6

Rule 62-701.630(4)(c), F.A.C. states, "If the closure or long-term care plan is modified ... the owner or operator shall revise the cost estimate. Revisions shall be made and submitted as specified in subparagraph (4)(b)1. of this section."

Rule 62-701.630(4)(b)1 requires a calculated, detailed cost estimate. The annual estimate updates approved in 2007 and 2008 involved inflation adjustments for at least part of the facility. Since those approvals, there have been changes to operations and the closure plan of the landfill. (We may have overlooked whether the vertical expansion added to the closure and long term care costs.) Therefore, for the 2009 annual update to the closure and long-term care cost estimates, you must submit a detailed cost estimate for the entire facility rather than an inflation adjusted cost estimate. The new estimate is due not later than March 1, 2009.

You may use the December 30, 2008 ~~Cell 6~~ partial closure cost estimate, as is, in your detailed cost estimate. However, ~~the closure cost for Cells 1-5~~ any additional closure costs must be a new detailed cost estimate. Also, the long-term care cost for cells 1-6 must be a new detailed cost estimate. Because you plan to do a partial closure, it would be best to show the calculations for the area that will be closed early as a separate calculation. This will make it easier to decide how much the closure cost estimate should be reduced when the partial closure is finished.

Hope this clears up any confusion.

Tom Lubozynski

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

From: Michael Kaiser [mailto:mkaiser@wasteservicesinc.com]
Sent: Thursday, January 22, 2009 1:44 PM
To: Lubozynski, Tom
Cc: Shawn McCash
Subject: FW: J.E.D. Class I intermediate mod. 0015

Tom,

I read through the attached RAI and have a question. I did not submit a financial assurance mechanism for the proposed partial closure area because we have an approved mechanism in-place that covers the entire Cell 1-6 areas. Providing a second mechanism for \$2,210,980 would double up the insurance certificate we already have in-place? I assumed you requested the estimate in the first RAI for use in reducing the current closure mechanism when closure construction is complete. Can you help me understand what we are trying to accomplish.

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

From: Williams, Elizabeth [mailto:Elizabeth.Williams@dep.state.fl.us]
Sent: Thursday, January 22, 2009 12:41 PM
To: Shawn McCash
Cc: cbrowne@geosyntec.com; Kbadutweneboah@geosyntec.com; Michael Kaiser; Hornbrook, Frank; Lubozynski, Tom; Janwadkar, Sandeep; Cheryan, George
Subject: J.E.D. Class I intermediate mod. 0015

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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
FAX 407/893-3124

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Florida Department of Environmental Protection Permit



Florida Department of Environmental Protection

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

Charlie Crist
Governor
Jeff Kotkamp
Lt. Governor
Michael W. Sole
Secretary

By E-Mail
smccash@wasteservicesinc.com

Permit Issued to:

J.E.D. Solid Waste Management Facility

Located at 1501 Omni Way
St. Cloud, Florida, Osceola County
Telephone No. (561) 237-3414
Facility ID No.: WACS ID # 89544

Authorized Representative:

Mr. Shawn McCash
Title: Senior Vice President
1501 Omni Way
St. Cloud, FL 34773

Solid Waste Operating Permit – Class I Intermediate Modification

Solid Waste Management Facility

J.E.D. Solid Waste Management Facility – St. Cloud

Permit No.: SO49-0199726-011

Permit Issued: 02/17/2009

Permit Renewal Application Due Date: 11/12/2011

Permit Expires: 01/11/2012

Permitting Authority

Florida Department of Environmental Protection

Central District Office

3319 Maguire Boulevard, Suite 232

Orlando, FL 32803

Telephone No. (407) 893-3328

Fax No. (407) 893-3124

OCD-SW-09-0040

Mr. Shawn McCash
Omni Waste of Osceola County, LLC (Omni)
1501 Omni Way
St. Cloud, FL 34773

Osceola County – SW WACS # 89544
J.E.D. Solid Waste Management Facility-Class I
Partial Closure of Side Slopes of Phase I – Intermediate Modification
Modification of Permit No. SO49-0199726-010
Permit Application No. SO49-0199726-011

Dear Mr. McCash:

In response to the request submitted on November 26, 2008, by Geosyntec Consultants, the Department is granting your request in support of a partial closure of 24.7 acres of the side slopes of Phase I – Cells 1 through 4 at the J.E.D. Solid Waste Management Facility, Class I.

Permit No. SO49-0199726-010 is modified to include the following Specific Condition Nos. 67 to 74.

67. Final Cover System Design: The partial closure of the J.E.D. Facility shall involve construction of the final cover system, placing final cover materials (soil and geosynthetics) from the anchor trench along the perimeter road up to an elevation of approximately 180 ft. NGVD. The landfill partial closure shall have side slopes graded at 3H:1V, with 15 ft. wide benches at elevations 138 and 178 ft. NGVD.

68. Final Cover – Side Slopes: The proposed final cover system on the landfill side slopes shall be as presented in Drawing No. 8 and 11 of 13 in Appendix B of the Report (Reference No. 1 – Appendix A) and shall consist of, from top to bottom:

- a 0.5-ft. thick vegetative layer;
- a 1.5-ft. thick cap protective layer (vegetative support layer);
- a geocomposite drainage layer;
- a 40-mil thick polyethylene (PE) geomembrane; and
- a 1-ft. thick intermediate cover layer.

69. Drainage Swales: Drainage swales shall be constructed along the landfill benches to collect and divert surface water runoff via downspouts to the stormwater ponds and ditches at the toe of the landfill slope to minimize erosion at the surface of the landfill cover system.

70. Construction Quality Assurance: The Construction Quality Assurance (CQA) Plan submitted as part of a permit application titled "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, dated September 2007 (Reference No. 5 – Appendix A) 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.

71. Technical Specifications: The partial closure of the J.E.D. Facility shall be constructed with quality materials. The technical specifications for all construction materials, including the final cover system geosynthetics and soils shall be as presented in Appendix C of the Report (Reference No. 1 – Appendix A).

72. Certification of Closure Construction Completion: A certification of partial closure construction completion, DEP Form 62-701.900(2), signed and sealed by a professional engineer, licensed in Florida, independent of the contractor, shall be submitted to the Department upon completion of the partial landfill closure. All substantial deviations, if any, from the approved design shall be noted, Rule 62-701.610(4), F.A.C. The Engineer of Record shall contact the Department to arrange for Department representatives to inspect the facility with the permittee, the engineer and the proposed on-site facility operator. All corrective work shall be performed before the landfill project is accepted by the Department.

73. 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 record drawings and a summary report to the Department as to the complete conformity with all applicable provisions of Chapter 62-701, F.A.C. This summary report shall include a documented control program of the liner installation, liner inspections, and the quality assurance/quality control testing procedure and laboratory analyses. This report shall be included with the certification required in Specific Condition No. 72 of this permit.

74. Final Cover Maintenance: A stockpile of cover material for long-term care erosion control, filling areas of subsidence, maintaining berms, and general maintenance of the facility shall be maintained on-site, Rule 62-701.600(5)(f)(4), F.A.C. The partial landfill closure area shall be periodically inspected and maintained by the permittee.

The information submitted November 26 and December 31, 2008, on file at the Central District Office, is made part of the subject permit. The documents are listed in Appendix A.

All other conditions of the subject permit remain unchanged.

This letter must be attached to Permit No. SO49-0199726-010 and becomes part of that permit. The new Permit No. is SO49-0199726-011.

Sincerely,




Vivian F. Garfein
Director, Central District

Date: February 17, 2009

FILING AND ACKNOWLEDGEMENT

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

 Feb. 17, 2009
Clerk Date

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT MODIFICATION and all copies were sent before the close of business on February 17, 2009 to the listed persons.


Clerk

VFG/gc/ew
Enclosure:

1. Appendix A – List of Documents Incorporated into Permit

Copies furnished to:

Richard Tedder, P.E. – DEP – Tallahassee

Fred Wick – DEP – Tallahassee

Frank Horntbrook – DEP – Tallahassee

Craig R. Browne, P.E., Geosyntec Consultants cbrowne@geosyntec.com

Kwasi Badu-Tweneboah, Ph.D., P.E., Geosyntec Consultants kbadu@tweneboah@geosyntec.com

Appendix A
List of Documents Incorporated into Permit

1. Partial Landfill Closure - Application For An Intermediate Permit Modification, J.E.D. Solid Waste Management Facility, Prepared by: Geosyntec consultants, Tampa, Florida dated November 2008. Received and stamped November 26, 2008, DEP - Central District.
2. First Request for Additional Information from Central District - DEP dated December 18, 2008.
3. Response to Request for Additional Information dated December 18, 2008 from Geosyntec consultants, Tampa, Florida dated December 30, 2008. Received and stamped December 31, 2008, DEP - Central District.
4. Electronic mail dated January 31, 2009, from Tom Lubozynski, P.E., DEP - Central District to Michael Kaiser - J.E.D. Permit Application SO49-0199726-011 Complete as of December 31, 2008.
5. 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, dated September 2007. Received and stamped September 18, 2007, DEP - Central District.

Florida Department of

Memorandum**Environmental Protection****DATE:** 04/30/2009**TO:** JED Solid Waste Management Facility Permit File
Permit Nos.: SC49-0199726-004, SO49-0199726-005
and SO49-0199726-011**FROM:** George Cheryan and Sandeep Janwadkar**RE:** Site Visit Summary - Installation of Gas Collection and
Control System (GCCS) Phase I, Sequence 1 & 2, and
Construction of Partial Closure of Phase I Cells**ATTACHMENT:** Site Visit Photos

On April 29, 2009, Florida Department of Environmental Protection representatives visited the JED Solid Waste Management Facility located at 1501 Omni Way, St Cloud, FL 34773 to inspect the Phase I partial landfill closure construction activities, and the installation of the gas collection and control system (GCCS) phase 1, sequence 1 & 2 including the flare station. Mike Kaiser and Matthew Orr from Waste Services, Inc. were also present during the site visit. Photos obtained during the site visit are attached herewith.

Construction activities associated with the partial closure of the Phase I Cells along the northwest slopes were observed during this site visit. The northeastern slopes partial closure activities could not be observed as the area was not accessible due to heavy construction vehicle traffic and associated activities. The flare station was observed to be operational during the site visit.

The Department review comments associated with the certification of construction completion report titled "Gas Collection and Control System (GCCS) Phase I, Sequence 1 & 2 Certification Report" dated April 15, 2009 and received by the Department on April 16, 2009 was also discussed. It was agreed that a completed Certificate of Construction Completion Form No. 62-701.900(2) must be submitted by the Permittee, along with the corrected title pages for the as-built drawings (Appendix H of the Submittal).

The quarterly compliance inspection of the facility was also performed as part of this site visit. The compliance inspection report will be mailed separately to the Permittee.

JED Facility, 1501 Omni Way, St Cloud, FL
April 29, 2009
George Cheryan and Sandeep Janwadkar



Fig. 1 & 2 – Partial Closure Liner Installation Activities



Fig 3: Lateral Drainage Pipes installed during Liner Install.

Fig 4: Tie-in of the Base Liner with the Closure liner

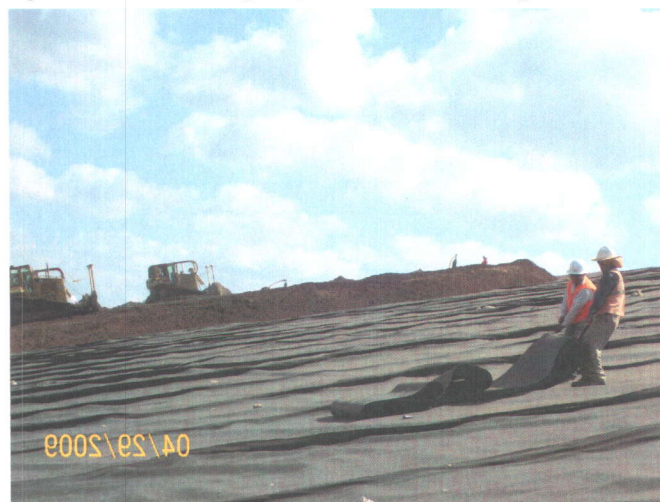


Fig 5 Installation of Final Cover on Top of the Liner

Fig 6: Flare Station



Florida Department of Environmental Protection Permit

Permit Issued to:

J.E.D. Solid Waste Management Facility

Located at 1501 Omni Way
St. Cloud, Florida, Osceola County
Telephone No. (904) 673-0446
Facility ID No.: WACS ID # 89544

Authorized Representative:

Mr. Mike Kaiser
Title: Vice President, Waste Services, Inc.
1501 Omni Way
St. Cloud, FL 34773

**Solid Waste Operating Permit – Class I Minor Modification
Solid Waste Management Facility**

J.E.D. Solid Waste Management Facility – St. Cloud

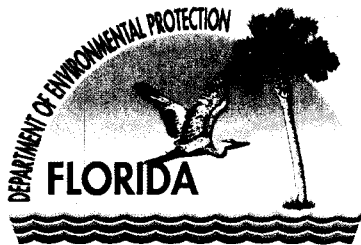
Permit No.: SO49-0199726-012
(Modification of Permit Nos. SO49-0199726-004 through 11)

Permit Issued: 06/22/2009
Permit Renewal Application Due Date: 11/12/2011
Permit Expires: 01/11/2012

Permitting Authority

Florida Department of Environmental Protection
Central District Office
3319 Maguire Boulevard, Suite 232
Orlando, FL 32803
Telephone No. (407) 893-3328
Fax No. (407) 893-3124

SO
6-22-09



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@wsii.us

Mr. Mike Kaiser
Omni Waste of Osceola County, LLC (OMNI)
1501 Omni Way
St. Cloud, FL 34773

OCD-SW-09-0189

Osceola County – SW WACS # 89544
J.E.D. Solid Waste Management Facility - Class I
Leachate Aeration System – Minor Modification
Modification of Permit No. SO49-0199726-011
Permit Application No. SO49-0199726-012

Dear Mr. Kaiser:

In response to the request submitted on April 24, 2009, by Craig Browne, P.E., of Geosyntec Consultants, the Department is approving your request for the proposed Leachate Aeration System to be included at the J.E.D. Solid Waste Management Facility, Class I.

Permit No. SO49-0199726-011 is modified to incorporate the leachate aeration system in an effort to reduce contaminant loadings and odor from the leachate prior to transport off-site to the City of St. Cloud Wastewater Treatment Plant. The leachate aeration system will be installed in Leachate Storage Area 2 (in Cell 9 footprint) as shown in Sheets 2 and 3 of 4 (Reference No. 1 – Appendix A).

The information submitted April 24, 2009, on file at the Central District Office, is made part of the subject permit. The documents are listed in Appendix A.

The Department is also modifying Permit Nos. SO49-0199726-004 through 011 to include requirements for electronic reporting of water and leachate quality data.

- Specific conditions 14 (Permit No. SO49-0199726-004) and M (Permit No. SO49-0199726-007) are changed to read:
14 & M. Monitoring Plan Implementation Schedule: Water and Leachate Quality Monitoring: The Monitoring Plan Implementation Schedule (MPIS) is made a part of this permit. The MPIS or its attachments may be revised or updated at any time. The revised/updated documents will be issued with a new date and effective for the next sampling event. The last revision of the MPIS was issued on April 6, 2009, updating the sample locations and sampling schedule. All new wells shall be in place and sampled prior to the placement of waste in newly constructed cells. (Also, see specific condition 75 for reporting requirements.)
- Specific condition 75 is added:
75. Water and Leachate Quality Reporting: Required water quality monitoring reports and all ground water, surface water and leachate analytical results shall be submitted electronically. Water quality monitoring reports shall be submitted in Adobe pdf format. The water quality data Electronic Data Deliverable (EDD) shall be provided to

the Department in an electronic format consistent with requirements for importing the data into the Department's databases. Water quality monitoring reports shall be signed and sealed by a Florida registered professional geologist or professional engineer with experience in hydrogeological investigations and shall include the following:

1. Cover letter;
2. Summary of exceedances and sampling issues (if any, for example, variation from SOP field criteria);
3. Conclusions and recommendations;
4. Ground water contour maps;
5. Chain of custody forms;
6. Water levels, water elevation table;
7. Ground Water Monitoring Report Certification, using the appropriate Department form;
8. Appropriate sampling information on Form FD 9000-24 (DEP-SOP-001/01); and,
9. Laboratory and Field EDDs and error logs, as applicable.

(NOTE: You no longer have to complete or submit the DEP Form 62-522.900(2), Parameter Monitoring Report.)

All submittals in response to this specific condition shall be sent to both:

Florida Department of Environmental Protection
Central District Solid Waste Program
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803

And:

Florida Department of Environmental Protection
Solid Waste Section
2600 Blair Stone Road, MS 4565
Tallahassee, Florida, 32399-2400

All other conditions of the subject permit remain unchanged.

This letter must be attached to Permit No. SO49-0199726-011 and becomes part of that permit. The new Permit No. is SO49-0199726-012.

Sincerely,



F. Thomas Lubozynski for

Vivian F. Garfein
Director, Central District

Date: June 22, 2009

FILING AND ACKNOWLEDGEMENT

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



June 22, 2009

Clerk

Date

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT MODIFICATION and all copies were sent before the close of business on June 22, 2009 to the listed persons.



Clerk

VFG/gc/ew

Enclosure:

1. Appendix A – List of Documents Incorporated into Permit

Copies furnished to:

Richard Tedder, P.E. – DEP – Tallahassee

Fred Wick – DEP – Tallahassee

Frank Hornbrook – DEP – Tallahassee

Craig R. Browne, P.E., Geosyntec Consultants cbrowne@geosyntec.com

Appendix A
List of Documents Incorporated into Permit

1. Minor Permit Modification Application for Installation of Leachate Aeration System at the J.E.D. Solid Waste Management Facility, Prepared by Geosyntec Consultants, Tampa, Florida 33637 dated April 23, 2009. Received and stamped April 24, 2009, DEP – Central District.
2. Permit Application Completion Letter from Central District – DEP dated May 7, 2009.

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	Class I (100)
Document Subject	J.E.D. SWMF, Class I. Leachate Aeration System- Minor Modif. Permit No.SO49-0199726-012.

Events Scheduled

32 of 90

Site # 0199726 Site Name OAK HAMMOCK DISPOSAL FACILITY (CLASS 1)
 Permit # 0199726-012-S0 Type/Subtype SO / MM Received 04/24/2009
 Project # 012 Project Name JED

MODIF. OF SD49-0199726-011
 PERMIT APPL. SD49-0199726-012

> STOP CLOCK: Done

Event	Begin Date	Period	Due Date	Rmn	Status	End Date
Receive Request	04/24/2009	1	04/25/2009		Done	04/24/2009
Fee Verification	04/24/2009	2	04/26/2009		Sufficient Fee	04/26/2009
Completeness Review	04/24/2009	30	05/24/2009		Complete	05/07/2009
Determine Agency Action	04/24/2009	90	07/23/2009		Issue	06/22/2009
Issue Final Permit	06/22/2009	14	07/06/2009		Issued	06/22/2009
STOP CLOCK	06/22/2009	1	06/23/2009		Done	06/22/2009
ISSUE PERMIT	06/22/2009	1	06/23/2009		Issued	06/22/2009

RED ___ YELLOW ___ GREEN ___ NO PERMIT REQ ___

HISTORY SHEET

SITE/WAFR/AIR#: 49-099726-012 TYPE: SO SUBTYPE: MM

**SITE/WAFR/AIR
NAME:**

Oak Hammock

**PROJECT
NAME:**

[illegible]



Florida Department of Environmental Protection

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

Osceola County - JED
Financial file
Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

May 11, 2009

Mr. Mike Kaiser
V.P., Environmental Management and Engineering
Omni Waste of Osceola County, LLC
1501 Omni Way
St. Cloud, Florida 34773

Re: WACS 89544 – J.E.D. Solid Waste Management Facility Phase I (Cells 1-4) Phase II (Cells 5-6)

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 insurance certificates to policy number 851130 for closing and 851131 for long-term care, both dated April 29, 2009, demonstrate adequate financial assurance in the amount of the Department approved closing and long-term care cost estimates for Phase I Cells 1-4 and Phase II Cells 5-6 dated February 5, 2009, in the total amount of \$6,759,816.81 for closing and \$6,717,874.81 for long-term care. 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

Williams, Elizabeth

From: Michael Kaiser [mkaiser@wasteservicesinc.com]
To: Williams, Elizabeth
Sent: Thursday, May 07, 2009 9:02 AM
Subject: Read: J.E.D. SW Mgmt. Fac., Class I minor mod appliction complete ltr 0149

Your message

To: mkaiser@wasteservicesinc.com
Subject:

was read on 5/7/2009 9:02 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

By E-Mail
mkaiser@wsii.us

Mr. Mike Kaiser
Omni Waste of Osceola County, LLC (Omni)
1501 Omni Way
St. Cloud, FL 34773

OCD-SW-09-0149

Osceola County – SW
J.E.D. Solid Waste Management Facility, Class I
Leachate Aeration System – Minor Modification
Modification of Permit No. SO49-0199726-011
Permit Application No. SO49-0199726-012 Complete

Dear Mr. Kaiser:

Your application for permit modification, DEP File Number No. SO49-0199726-012, dated April 23, 2009, and received April 24, 2009, is complete. The Department will make a final determination about the permit application no later than July 23, 2009.

If you have any questions, please contact me at (407) 893-3328 or by e-mail at tom.lubozynski@dep.state.fl.us

Sincerely,

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

Date: May 7, 2009

FTL/gc/ew

cc: Craig Browne, P.E. – Geosyntec Consultants cbrowne@geosyntec.com

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

Administrative	
Discovery Compliance	
Cleanup	
Enforcement Legal	
Fiscal	
Permitting	X

County	Osceola
Facility ID #	89544
Document Date	
Received Date	
Doc Type	Permit Appl. Related
Contractor ID	
Facility Type	Class I L/F (100)
Document Subject	J.E.D. SW Management Fac. Leachate Aeration System-Minor Mod. Permit No. SO49-0199726-012. Permit Completion Letter .



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

EMAIL

mkaiser@wsii.us

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

OCD-SW-09-0138

Osceola County - SW
J.E.D. Solid Waste Management Facility
Omni Waste of Osceola County, LLC
Permit Number SO49-0199726-004/005
WACS # 89544
Approval of Closure and Long-Term Care Cost Estimates

Dear Mr. Kaiser:

The Department has reviewed the document "Financial Assurance Cost Estimate Form" for J.E.D Solid Waste Management Facility, dated February 5, 2009. The document was signed by you. The inflation adjustment factor of 1.025 was used to calculate the closure and long-term care estimates. The closure cost is estimated at \$6,759,816.81. The long-term care cost for 30 years is estimated at \$6,717,874.81. The cost estimates are approved by the Department.

The documentation to demonstrate financial assurance must be sent to Frank Hornbrook, FDEP Solid Waste Section, MS-4565, 2600 Blair Stone Road, Tallahassee, Florida 32399.

If you have any questions or need additional information regarding this letter please contact Gloria-Jean DePradine at (407) 893-3994 or by email at Gloria.depradine@dep.state.fl.us or Frank Hornbrook at (850) 245-8745 or by email at Frank.Hornbrook@dep.state.fl.us

Sincerely,

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

Date: May 5, 2009

FTL/gnd

cc: Fred Wick, Financial Coordinator, FDEP, Fred.Wick@dep.state.fl.us
Frank Hornbrook, FDEP, Frank.Hornbrook@dep.state.fl.us

Handwritten note: 100

Williams, Elizabeth

From: Michael Kaiser [mkaiser@wasteservicesinc.com]
Sent: Tuesday, May 05, 2009 2:12 PM
To: Williams, Elizabeth
Subject: RE: J.E.D. SW Mgmt. Fac. fin. ltr.

Received the document.

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

From: Williams, Elizabeth [mailto:Elizabeth.Williams@dep.state.fl.us]
Sent: Tuesday, May 05, 2009 10:21 AM
To: Michael Kaiser
Cc: Wick, Fred; Hornbrook, Frank; DePradine, Gloria-Jean; Lubozynski, Tom
Subject: J.E.D. SW Mgmt. Fac. fin. ltr.

Attached is an Adobe Acrobat version of the "J.E.D. " 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.

Cover Florida, developed by Governor Charlie Crist and the Florida Legislature, gives Floridians access to more affordable health insurance options. To learn more or to sign up for email updates, visit www.CoverFloridaHealthCare.com.

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

Cheryan, George

From: Heidorn, Marjorie
Sent: Tuesday, May 05, 2009 8:55 AM
To: Cheryan, George
Cc: Lubozynski, Tom; Levin, Laxsamee; Janwadkar, Sandeep; Williams, Elizabeth
Subject: Review--JED Mod Permit leachate aeration system

George,

I have reviewed the submittal for the leachate aeration system. The current MPIS can handle the change. There are no GW questions for this RAI.

Marjorie

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

FILE COPY

Janwadkar, Sandeep

From: Michael Kaiser [mkaiser@wasteservicesinc.com]
Sent: Tuesday, May 05, 2009 4:43 PM
To: CBrowne@Geosyntec.com; Janwadkar, Sandeep
Subject: RE: JED - Leachate Aeration System cost

The installation cost is estimated at \$25k for an overall cost of \$60k

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

From: CBrowne@Geosyntec.com [mailto:CBrowne@Geosyntec.com]
Sent: Tuesday, May 05, 2009 12:43 PM
To: Sandeep.Janwadkar@dep.state.fl.us
Cc: Michael Kaiser
Subject: JED - Leachate Aeration System cost

Sandeep,

It was good talking with you this morning regarding the JED leachate aeration system permit application. Per your request, I contacted the leachate aeration supplier/installer (AIA) to get a ballpark estimate of cost. Based on information from AIA, the leachate aeration system should cost approximately **\$35,000** inclusive of parts and installation.

Should you have any further questions, please feel free to contact me.

Regards,

Craig Browne, P.E.
Engineer

14055 Riveredge Dr
Suite 300
Tampa, FL 33637
Phone: 813.558.0990
Cell: 813.220.4559
Fax: 813.558.9726
www.Geosyntec.com

Geosyntec[®]
consultants

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

J/O 5/6/09

File Copy



RECEIVED

APR 17 2009

DEP Central Dist.

1501 Omni Way, St. Cloud, FL 34773

April 14, 2009

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 1st - March 31st 2009**
J.E.D. Solid Waste Management Facility
Osceola County, Florida
Permit Nos. SC49-0197726-004 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	16,187.02
Agricultural Waste	0.00
Commercial Waste	115,369.71
Incinerator By-Pass Waste	0.00
Construction & Demolition Debris	45,858.52
Industrial Sludge	0.00
Treated Biomedical Waste	5,330.38
Yard Trash	0.00
Industrial Waste	81,610.62
Ash Residue	0.00
Sewage Sludge	26,693.04
Water/Air Treatment Sludges	0.00
Waste Tires	17.21

8/0 5/6/09
S 5/6/09
WAES 5/6/09

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APR 17 2009

Specific Condition 36 – Precipitation Records

DEP Central Dist.

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.

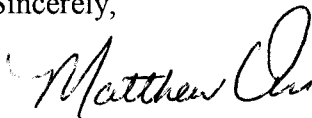
Specific Condition 35 – Leachate Quantities

The following monthly leachate quantities were recorded at the leachate sump systems for Cells 1-6.

Volume (gallons)			
Location	Jan. 2009	Feb. 2009	Mar. 2009
Cell 1	136,931	112,540	94,603
Cell 2	49,700	52,000	52,400
Cell 3	120,400	45,900	33,300
Cell 4	53,486	63,734	83,273
Cell 5	79,800	50,950	75,583
Cell 6	0	0	9,333

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

Sincerely,



Matthew Orr
District Manager

Attachments

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

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

Jan-09

Date	Precipitation (Inches)
1/1/2009	0
1/2/2009	0
1/3/2009	0
1/4/2009	0
1/5/2009	0
1/6/2009	0
1/7/2009	0.2
1/8/2009	0
1/9/2009	0
1/10/2009	0
1/11/2009	0
1/12/2009	0
1/13/2009	0.4
1/14/2009	0
1/15/2009	0
1/16/2009	0
1/17/2009	0
1/18/2009	0
1/19/2009	0
1/20/2009	0
1/21/2009	0
1/22/2009	0
1/23/2009	0
1/24/2009	0
1/25/2009	0
1/26/2009	0
1/27/2009	0
1/28/2009	0
1/29/2009	0
1/30/2009	0.6
1/31/2009	0
Month Total	1.2

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APR 17 2009
DEP Central Dist.

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-09

Date	Precipitation (inches)
2/1/2009	0
2/2/2009	0
2/3/2009	0.4
2/4/2009	0
2/5/2009	0
2/6/2009	0
2/7/2009	0
2/8/2009	0
2/9/2009	0
2/10/2009	0
2/11/2009	0
2/12/2009	0
2/13/2009	0
2/14/2009	0
2/15/2009	0
2/16/2009	0
2/17/2009	0
2/18/2009	0
2/19/2009	0.2
2/20/2009	0
2/21/2009	0
2/22/2009	0
2/23/2009	0
2/24/2009	0
2/25/2009	0
2/26/2009	0
2/27/2009	0
2/28/2009	0
Month Total	0.6

RECEIVED
APR 17 2009
DEP Central Dist.

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-09

Date	Precipitation (inches)
3/1/2009	0
3/2/2009	0
3/3/2009	0
3/4/2009	0
3/5/2009	0
3/6/2009	0
3/7/2009	0
3/8/2009	0
3/9/2009	0.1
3/10/2009	0
3/11/2009	0
3/12/2009	0
3/13/2009	0
3/14/2009	0
3/15/2009	0
3/16/2009	0
3/17/2009	0
3/18/2009	0.2
3/19/2009	0
3/20/2009	0
3/21/2009	0
3/22/2009	1
3/23/2009	0.5
3/24/2009	0
3/25/2009	0
3/26/2009	0
3/27/2009	0
3/28/2009	0.1
3/29/2009	0
3/30/2009	0.2
3/31/2009	0.3
Month Total	2.4

RECEIVED
APR 17 2009
DEP Central Dist.

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

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

Year - 2009

Month	Precipitation Total (inches)
January	1.2
February	0.6
March	2.4
April	
May	
June	
July	
August	
September	
October	
November	
December	
Year Total	4.2

RECEIVED
APR 17 2009
DEP Central Dist.

Memorandum

Florida Department of
Environmental Protection

TO: M. HEIDORN, P.G.

FROM: T. LUBOZYNSKI, P.E.

DATE: APRIL 28, 2009

SUBJECT: County: OSCEOLA

Permit/000

Facility:

Attachment: ✓

MODIF. OF S049-0199726-011
PERMIT APPLICATION S049-0199726-012
J.E.D. SOLID WASTE MANAGEMENT FACILITY, CLASS I
LEACHATE AERATION SYSTEM - 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 MAY 11, 2009)

☐ As soon as possible for your schedule.

Comments: _____

CC: G. DEPRADINE
S. JANWADKAR

PERMIT DATA FORM

CHECK IF NEW: _____

0199726

MOD ☒ NEW ☐ RENEWAL

SITE WAFR # AIR # _____

SITE/WAFER/FACILITY NAME: JED

PROJECT NAME: _____

DESC: _____

TYPE CODE: SO SUBCODE: MM CHECK IF GP ☐ EXEMPT ☐ NPDES ☐

CORRECT FEE: \$ 250 -

PROCESSOR: He

AMOUNT RCV'D: 250 -

AMOUNT REFUND: _____

MONIES DUE: _____

COMPLETED 10/1/88

0 0000

Janwadkar, Sandeep

From: Michael Kaiser [mkaiser@wasteservicesinc.com]
Sent: Friday, April 17, 2009 8:47 PM
To: Lubozynski, Tom
Cc: Dennis Pantano; Keith Lunsford; Matt Orr; Shawn McCash; DePradine, Gloria-Jean; Janwadkar, Sandeep
Subject: JED SWMF Perimeter Gas Probe Monitoring Report April 2009
Attachments: JED SWMF Perimeter Gas Probe Quarterly Report April 2009.pdf

Mr. Lubozynski:

Please find attached a pdf copy of the JED SWMF quarterly monitoring report of the perimeter gas probes. Note that all the probes were below 100% of the LEL. As noted in the report, we will continue investigating the past hits at the probes. We did move into a dryer period and may be seeing the effects on the probes as we discussed. Please call if you have any questions.

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

April 17, 2009

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: Reporting of Results for Perimeter Gas Monitoring Probes – April 2009
J.E.D. Solid Waste Management Facility
Osceola County, Florida
Permit Nos. SC49-0199726-004 and SO49-0199726-005, Modifications Nos.
SC49-0199726-006 and SO49-0199726-007

Dear Mr. Lubozynski:

Omni Waste of Osceola County, LLC (Omni) is submitting the attached results of perimeter gas probe monitoring completed by Mr. Keith Lunsford, Omni Environmental Technician, on April 14, 2009, for the J.E.D. Solid Waste Management Facility (facility). As shown on the attached Perimeter Gas Probe Monitoring Log, the Lower Explosive Limit (LEL) for methane was not exceeded in any of the probes during this monitoring period (regulatory levels listed in F.A.C. Rule 62-701.530(1)). Additionally, attached are results for an interim monitoring event completed by Geosyntec Consultants on March 18, 2009. This monitoring event was associated with the ongoing investigation work of past probe exceedences. Although there were no exceedences during this event, we are continuing to investigate past reported exceedences as discussed during our meeting on March 4, 2009.

If you have any questions or require additional information, please contact me at (904) 673-0446 or 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.

Attachment

PERIMETER GAS PROBE MONITORING LOG

Facility Name: J.E.D. Solid Waste Management Facility

Date: 4-14-09

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

Technician: Keith Lunsford

Company: Omni Waste of Osceola County LLC

Weather Conditions: Temperature: 78°F M. Cloudy/P. Cloudy/Clear/Overcast & Rain

Barometric Pressure: 29.38 inch Hg

Wind: 12 mph

Humidity: 70%

Landfill Gas Meter: LandTec Gem.2000 Serial No.GM11327/08

Gas Probe No.	Time	% LEL	Comments
GP-7	9:51am	000%	No Standing Water
GP-8	9:58am	000%	No Standing Water
GP-9	10:04am	000%	No Standing Water
GP-10	10:10am	000%	No Standing Water
GP-11	10:16am	000%	No Standing Water
GP-12	10:20am	000%	No Standing Water
GP-13	10:25am	000%	No Standing Water
GP-14	10:28am	074%	No Standing Water
GP-15	10:38am	000%	150' SW of Gas probe
GP-16	10:43am	000%	150' NE of Gas probe
GP-17	10:58am	000%	No Standing Water
GP-18	11:01am	000%	No Standing Water
GP-19	11:07am	000%	No Standing Water
GP-20	11:15am	000%	No Standing Water
GP-21	11:21am	000%	150' S.W. of Gas Probe
GP-22	11:29am	000%	150'NW of Gas Probe
Admin Office	12:45pm	No Alarm	-
Scale House	12:50pm	No Alarm	-

Notes: Percent of lower explosive limit (LEL) was calibrated to Methane (CH₄)

Continuous gas monitors that sound alarms at 0.95% by volume of methane in air have been installed at the admin office and scale house.

SWB=Storm water berm

>>> = Above the detection limit of the gas meter used

LANDFILL GAS MONITORING LOG

Facility Name: J.E.D. Solid Waste Management Facility Date: 18 March 2009

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

Technician: Joe Terry Company: Geosyntec Consultants

Weather Conditions: Temperature: ~67°F M. Cloudy/**P. Cloudy**/Clear/Overcast

Barometric Pressure: 30.06 inch Hg Wind: ~3mph Humidity: ~60%

Landfill Gas Meter: Landtec GEM-2000 Serial No. : GM07304

Gas Probe No.	Time	% LEL	Comments
GP-7	17:10	0	Surrounding area dry
GP-8	17:04	2	Surrounding area dry
GP-9	16:59	7	Surrounding area dry
GP-10	16:55	2	Surrounding area dry
GP-11	16:45	1	Surrounding area dry
GP-12	16:40	>>>	Surrounding area dry
GP-13	16:37	1	Surrounding area dry
GP-14	16:30	>>>	Surrounding area dry
GP-15	16:24	1	Standing water south west of SWB
GP-16	16:18	27	Surrounding area dry
GP-17	16:12	2	Surrounding area dry
GP-18	16:07	0	Surrounding area dry
GP-19	16:00	1	Surrounding area dry
GP-20	15:55	0	Surrounding area dry
GP-21	15:49	1	Surrounding area dry
GP-22	15:40	1	Standing water south west of SWB
Admin Office	NM	NM	
Scale House	NM	NM	

Notes: Percent of lower explosive limit (LEL) was calibrated to Methane (CH₄)

Continuous gas monitors that sound alarms at 0.95% by volume of methane in air have been installed at the admin office and scale house.

SWB=Storm water berm

>>> = Above the detection limit of the gas meter used

NM = not measured

Janwadkar, Sandeep

From: Michael Kaiser [mkaiser@wasteservicesinc.com]
Sent: Friday, April 10, 2009 10:58 AM
To: Janwadkar, Sandeep; Cheryan, George
Subject: FW: Construction Commencement - JED SWMF - Partial Closure Cells 1-4
Attachments: FDEP Not Letter JED Partial Closure Construction March 17, 2009.pdf; April 9, 2009 010.jpg; April 9, 2009 011.jpg; April 9, 2009 014.jpg

Sandeep and George:

We have started the partial closure construction project at JED as noted in the attached notification. We expect to start the geomembrane liner work this coming Monday (thereabouts). We are currently placing the intermediate cover layer. Attached are a few photos. Please call if you would like to discuss and want to come out for a visit. I would be happy to show you around.

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

From: Michael Kaiser
Sent: Tuesday, March 17, 2009 9:51 AM
To: 'Lubozynski, Tom'
Cc: DePradine, Gloria-Jean; GEOSYNTEC Kirk Wills; Shawn McCash; Matt Orr
Subject: Construction Commencement - JED SWMF - Partial Closure Cells 1-4

Mr. Lubozynski:

Please see the attached letter for your files.

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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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.

FILE COPY

Janwadkar, Sandeep

From: DePradine, Gloria-Jean
Sent: Tuesday, March 31, 2009 4:55 PM
To: Janwadkar, Sandeep
Subject: FW: Notification of Leachate Spill - JED Solid Waste Management Facility
Attachments: 100_0122.jpg

FYI

From: Michael Kaiser [mailto:mkaiser@wasteservicesinc.com]
Sent: Tuesday, March 31, 2009 4:31 PM
To: Lubozynski, Tom
Cc: DePradine, Gloria-Jean; Matt Orr; Keith Lunsford; Shawn McCash
Subject: Notification of Leachate Spill - JED Solid Waste Management Facility

Mr. Lubozynski:

I was notified this morning by site personnel at the JED Solid Waste Management Facility that a leak was discovered in the leachate force main located approximately 50-feet south of the Cell 3 manhole area. I have attached a picture for your information. Brown surface discoloration was noticed near the area and subsequent investigation uncovered a small crack in the force main. It appears a contractor had hit the main while working in the area. The leak was discovered yesterday afternoon and was repaired by Comanco Construction this afternoon. We plan to excavate the area to determine the extent of the contamination to surrounding soils, and I will request the assistance of a consulting engineer to obtain samples and document cleanup of the area. A report will be submitted upon completion.

Please call if you have any questions.

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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D/O 4/2/09
Swift 4/2/09



01/06/2007



Florida Department of Environmental Protection Permit

Permit Issued to:

J.E.D. Solid Waste Management Facility

Located at 1501 Omni Way
St. Cloud, Florida, Osceola County
Telephone No. (561) 237-3414
Facility ID No.: WACS ID # 89544

Authorized Representative:

Mr. Shawn McCash
Title: Senior Vice President
1501 Omni Way
St. Cloud, FL 34773

Solid Waste Operating Permit – Class I Intermediate Modification

Solid Waste Management Facility

J.E.D. Solid Waste Management Facility – St. Cloud

Permit No.: SO49-0199726-011

Permit Issued: 02/17/2009

Permit Renewal Application Due Date: 11/12/2011

Permit Expires: 01/11/2012

Permitting Authority

Florida Department of Environmental Protection
Central District Office
3319 Maguire Boulevard, Suite 232
Orlando, FL 32803
Telephone No. (407) 893-3328
Fax No. (407) 893-3124



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 (Omni)
1501 Omni Way
St. Cloud, FL 34773

OCD-SW-09-0040

Osceola County – SW WACS # 89544
J.E.D. Solid Waste Management Facility-Class I
Partial Closure of Side Slopes of Phase I – Intermediate Modification
Modification of Permit No. SO49-0199726-010
Permit Application No. SO49-0199726-011

Dear Mr. McCash:

In response to the request submitted on November 26, 2008, by Geosyntec Consultants, the Department is granting your request in support of a partial closure of 24.7 acres of the side slopes of Phase I – Cells 1 through 4 at the J.E.D. Solid Waste Management Facility, Class I.

Permit No. SO49-0199726-010 is modified to include the following Specific Condition Nos. 67 to 74.

67. Final Cover System Design: The partial closure of the J.E.D. Facility shall involve construction of the final cover system, placing final cover materials (soil and geosynthetics) from the anchor trench along the perimeter road up to an elevation of approximately 180 ft. NGVD. The landfill partial closure shall have side slopes graded at 3H:1V, with 15 ft. wide benches at elevations 138 and 178 ft. NGVD.

68. Final Cover – Side Slopes: The proposed final cover system on the landfill side slopes shall be as presented in Drawing No. 8 and 11 of 13 in Appendix B of the Report (Reference No. 1 – Appendix A) and shall consist of, from top to bottom:

- a 0.5-ft. thick vegetative layer;
- a 1.5-ft. thick cap protective layer (vegetative support layer);
- a geocomposite drainage layer;
- a 40-mil thick polyethylene (PE) geomembrane; and
- a 1-ft. thick intermediate cover layer.

69. Drainage Swales: Drainage swales shall be constructed along the landfill benches to collect and divert surface water runoff via downdrains to the stormwater ponds and ditches at the toe of the landfill slope to minimize erosion at the surface of the landfill cover system.

70. Construction Quality Assurance: The Construction Quality Assurance (CQA) Plan submitted as part of a permit application titled "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, dated September 2007 (Reference No. 5 – Appendix A) 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.

71. Technical Specifications: The partial closure of the J.E.D. Facility shall be constructed with quality materials. The technical specifications for all construction materials, including the final cover system geosynthetics and soils shall be as presented in Appendix C of the Report (Reference No. 1 – Appendix A).

72. Certification of Closure Construction Completion: A certification of partial closure construction completion, DEP Form 62-701.900(2), signed and sealed by a professional engineer, licensed in Florida, independent of the contractor, shall be submitted to the Department upon completion of the partial landfill closure. All substantial deviations, if any, from the approved design shall be noted, Rule 62-701.610(4), F.A.C. The Engineer of Record shall contact the Department to arrange for Department representatives to inspect the facility with the permittee, the engineer and the proposed on-site facility operator. All corrective work shall be performed before the landfill project is accepted by the Department.

73. 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 record drawings and a summary report to the Department as to the complete conformity with all applicable provisions of Chapter 62-701, F.A.C. This summary report shall include a documented control program of the liner installation, liner inspections, and the quality assurance/quality control testing procedure and laboratory analyses. This report shall be included with the certification required in Specific Condition No. 72 of this permit.

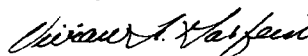
74. Final Cover Maintenance: A stockpile of cover material for long-term care erosion control, filling areas of subsidence, maintaining berms, and general maintenance of the facility shall be maintained on-site, Rule 62-701.600(5)(f)4, F.A.C. The partial landfill closure area shall be periodically inspected and maintained by the permittee.

The information submitted November 26 and December 31, 2008, on file at the Central District Office, is made part of the subject permit. The documents are listed in Appendix A.

All other conditions of the subject permit remain unchanged.

This letter must be attached to Permit No. SO49-0199726-010 and becomes part of that permit. The new Permit No. is SO49-0199726-011.

Sincerely,



Vivian F. Garfein
Director, Central District

Date: February 17, 2009

FILING AND ACKNOWLEDGEMENT

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



Clerk

Feb. 17, 2009

Date

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT MODIFICATION and all copies were sent before the close of business on February 17, 2009 to the listed persons.

E. Williams

Clerk

VFG/gc/ew

Enclosure:

1. Appendix A – List of Documents Incorporated into Permit

Copies furnished to:

Richard Tedder, P.E. – DEP – Tallahassee

Fred Wick – DEP – Tallahassee

Frank Hornbrook – DEP – Tallahassee

Craig R. Browne, P.E., Geosyntec Consultants cbrowne@geosyntec.com

Kwasi Badu-Tweneboah, Ph.D., P.E., Geosyntec Consultants kbadutweneboah@geosyntec.com

Appendix A
List of Documents Incorporated into Permit

1. Partial Landfill Closure – Application For An Intermediate Permit Modification, J.E.D. Solid Waste Management Facility, Prepared by: Geosyntec consultants, Tampa, Florida dated November 2008. Received and stamped November 26, 2008, DEP – Central District.
2. First Request for Additional Information from Central District – DEP dated December 18, 2008.
3. Response to Request for Additional Information dated December 18, 2008 from Geosyntec consultants, Tampa, Florida dated December 30, 2008. Received and stamped December 31, 2008, DEP – Central District.
4. Electronic mail dated January 31, 2009, from Tom Lubozynski, P.E., DEP – Central District to Michael Kaiser – J.E.D. Permit Application SO49-0199726-011 Complete as of December 31, 2008.
5. 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, dated September 2007. Received and stamped September 18, 2007, DEP – Central District.

Williams, Elizabeth

From: Shawn McCash [SMcCash@wasteservicesinc.com]
To: Williams, Elizabeth
Sent: Tuesday, February 17, 2009 10:53 AM
Subject: Read: J.E.D. Solid Waste Management Facility, Class I - Intermediate modification ltr. 0040

Your message

To: SMcCash@wasteservicesinc.com
Subject:

was read on 2/17/2009 10:53 AM.

FO
2-17-09

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

Administrative	
Discovery Compliance	
Cleanup	
Enforcement Legal	
Fiscal	
Permitting	X

County	Osceola
Facility ID #	89544
Document Date	
Received Date	
Doc Type	Permit Appl. Related
Contractor ID	
Facility Type	Class I (100)
Document Subject	J.E.D. SWMF, ClassI. Partial Closure of Side Slopes-Inter. Modif. Permit Issued

Permit Issued

Events Scheduled

90 of 90

Site # 0199726 Site Name OAK HAMMOCK DISPOSAL FACILITY (CLASS 1)
Permit # 0199726-011-SO Type/Subtype SO / IM Received 11/26/2008
Project # 011 Project Name OAK HAMMOCK

STOP CLOCK: Done

MODIF. OF 5049-0199726-010
PERMIT APPL. 5049-0199726-011

Event	Begin Date	Period	Due Date	Rmn	Status	End Date
Receive Request	11/26/2008	1	11/27/2008		Done	11/26/2008
Fee Verification	11/26/2008	2	11/28/2008		Sufficient Fee	12/01/2008
Completeness Review	11/26/2008	30	12/26/2008		Incomplete	12/18/2008
RESET CLOCK	12/18/2008	1	12/19/2008		Done	12/18/2008
Awaiting Additional Information	12/18/2008	45	02/01/2009		Received	12/31/2008
Completeness Review	12/31/2008	30	01/30/2009		Complete	12/31/2008
RESET CLOCK	12/31/2008	1	01/01/2009		Done	01/22/2009
Determine Agency Action	12/31/2008	90	03/31/2009		Issue	02/17/2009
Issue Final Permit	02/17/2009	14	03/03/2009		Issued	02/17/2009
STOP CLOCK	02/17/2009	1	02/18/2009		Done	02/17/2009
ISSUE PERMIT	02/17/2009	1	02/18/2009		Issued	02/17/2009

RED YELLOW GREEN NO PERMIT REQ

HISTORY SHEET

SITE/WAFR/AIR#: 45-0199726-011 TYPE: 22 SUBTYPE: 1M

**SITE/WAFR/AIR
NAME:**

Oak Hammock

**PROJECT
NAME:**

[illegible]



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

MEETING ATTENDANCE RECORD

Facility: JED **Purpose:** Request to reduce MWs **Date:** Thursday, February 12, 2009

Name	Affiliation	10 Digit Phone No.	E-Mail Address
Tom Lubozynski	FDEP	407.893.3327	tom.lubozynski@dep.state.fl.us
Laxsamee Levin	FDEP	407.893.3328	laxsamee.levin@dep.state.fl.us
Marjorie Heidorn	FDEP	407.893.3320	marjorie.heidorn@dep.state.fl.us
Kirk Wills	Geosyntec	913 550-0990	KWills@geosyntec.com
Don Trautson	Geosyntec	913 450-0990	dontrautson@geosyntec.com
Mike Kaiser	Waste Services	(904) 673-0446	m.kaiser@wsii.us

70
2/12/09
[Signature]

Janwadkar, Sandeep

From: Lubozynski, Tom
Sent: Saturday, January 31, 2009 11:07 PM
To: 'Michael Kaiser'
Cc: Shawn McCash; Cheryan, George; Janwadkar, Sandeep; Hornbrook, Frank; Wick, Fred; CBrowne@Geosyntec.com
Subject: JED Permit Application SO49-0199726-011 Complete
Attachments: 09 01 22 JED LF 011 partial closure Second RAI0015.pdf

TO: Mike Kaiser

Thanks for the additional perspective. I have checked with Frank Hornbrook. You are correct. The proper closure cost estimate for the entire facility is \$6,594,943.23. The facility is in compliance with regard to both the closure sot and long-term care financial assurance requirements.

Our Request for Additional Information (OCD-SW-09-0015 dated Jan 22, 2008) was not necessary. Your application was complete as of Dec 31, 2008 when we received the last submittal. As I told you on the telephone, I will be recommending that the permit modification be issued.

In my e-mail dated January 23, 2009 (below), I stated, "for the 2009 annual update to the closure and long-term care cost estimates, you must submit a detailed cost estimate for the entire facility rather than an inflation adjusted cost estimate. The new estimate is due not later than March 1, 2009." Based on the additional information I have received since that e-mail, I am changing that requirement. An inflation adjustment to the 9/30/2008 cost estimate is acceptable for the estimate due not later than March 1, 2009. Once the partial closure is complete, a new detailed cost estimate for both closure and long-term care for the entire facility must be submitted. The new estimate is required before a reduction in the financial assurance will be authorized.

Tom Lubozynski

From: Michael Kaiser [mailto:mkaiser@wasteservicesinc.com]
Sent: Friday, January 23, 2009 11:51 AM
To: Lubozynski, Tom
Cc: Shawn McCash; Cheryan, George; Janwadkar, Sandeep; Hornbrook, Frank; Wick, Fred; CBrowne@Geosyntec.com
Subject: RE: Financial Assurance for JED - revised

Mr. Lubozynski:

Thanks for the follow-up strikethrough clarifications. I was just responding to your earlier e-mail and the strikethrough information clears up a lot of confusion. Can we try and coordinate a telephone call to discuss as there is still some confusion on my end. Maybe we submitted and responded to your RAI questions with some confusion on what was requested or intended?

The information you provide in your latest e-mail supports the point I was trying to make in my previous e-mails. We submitted a cost estimate in December 2008 for partial closure of areas of Cells 1-4 based on your RAI request for the Permit Modification to complete closure. This was not intended as a revision to any current approved estimates supporting our current closure financial assurance mechanisms. We stand by the current approved closure and post-closure estimates for Cells 1-6, and the insurance mechanism in-place and approved by FDEP Tallahassee. If the entire facility were to close today, those are the estimated costs/funds we would be needed to close all active areas and perform post-closure monitoring. The estimate we provided in December for \$2,210,980 was an estimate of construction costs to complete the partial closure in Cells 1-4. We submitted this detail estimate based on the RAI request assuming it would be used for reducing the current estimate once construction was completed and approved, not as an increase or revision to any current approved estimate. Our intent would be to request a reduction of \$2,210,980 from our current total closure estimate of \$6,594,943 when the partial closure is complete (since the partial closure occurred within the Cell 1-6 area). I revised your table below to show how I understand the numbers would work out.



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
Omni Waste of Osceola County, LLC (Omni)
1501 Omni Way
St. Cloud, FL 34773

OCD-SW-09-0016

Osceola County – SW WACS # 89544
J.E.D. Solid Waste Management Facility – Class I
Waste Solidification Operations – Minor Modification
Modification of Permit No. SO49-0199726-009
Permit Application No. SO49-0199726-010

Dear Mr. McCash:

In response to the request submitted on September 16, 2008, by Brenda Ann Smith Clark, P.E., of HDR Engineering Inc., the Department is approving your request for the proposed Waste Solidification Operations to be included at the J.E.D. Solid Waste Management Facility, Class I.

Permit No. SO49-0199726-009 is modified to incorporate the waste solidification activities as follows:

- The wastes accepted for solidification at the facility shall be liquid and semi-liquid wastes that are classified as non-hazardous according to the State and Federal regulations. Typical wastes may include pumpings from maintenance and cleaning of septic systems, oil/water separators, drainage inlets, and other types of collection systems. Other wastes may include by-products, and waste waters generated from industrial manufacturing units, drilling fluids, bilge waters, and groundwater/soil contamination remediation activities.
- The solidification shall be performed using the solid wastes presently accepted for disposal. Solid waste materials used to solidify the liquid and semi liquid wastes will be those types that characteristically have higher moisture absorptive characteristics (i.e., auto shredder fluff, contaminated and clean soils, cement, lime, and ash based wastes, and recovered screen materials (RSM)).
- Waste Solidification operations shall be performed within the lined limits of the Class I disposal area and solidified wastes will be transported and disposed in the active landfilling areas. The GPS co-ordinates of the solidified waste disposal locations within the Cell footprint shall be recorded. This data shall be maintained at the site and readily available during department inspections.
- The waste solidification operating area shall be clearly designated with visible signs at the site. Additional signs shall be provided for the incoming traffic for directions to the waste solidification area.

FO
1-22-09

The information submitted September 16 and October 30, 2008, on file at the Central District Office, is made part of the subject permit. The documents are listed in Appendix A.

All other conditions of the subject permit remain unchanged.

This letter must be attached to Permit No. SO49-0199726-009 and becomes part of that permit. The new Permit No. is SO49-0199726-010.

Sincerely,



F. Thomas Lubozynski for

Vivian F. Garfein
Director, Central District

Date: January 22, 2009

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.



Jan. 22, 2009

Clerk

Date

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT MODIFICATION and all copies were sent before the close of business on January 22, 2009 to the listed persons.



Clerk

VFG/sj

Enclosure:

1. Appendix A – List of Documents Incorporated into Permit

Copies furnished to:

Richard Tedder, P.E. - DEP – Tallahassee

Fred Wick - DEP – Tallahassee

Frank Hornbrook, DEP- Tallahassee

Brenda Ann Smith Clark, P.E. - HDR Engineering Inc., brenda.clark@hdrinc.com

Mike Kaiser, - Waste Services Inc., mkaiser@wasteservicesinc.com

Appendix A
List of Documents Incorporated into Permit

1. Request for Permit Modification, Operations Permit, FDEP Operation Permit SO49-0199726-005, DEP ID Number: 89544 (WACS), J.E.D. Solid Waste Management Facility, Prepared by HDR Engineering Inc., 15450 New Barn Road, Suite 304, Miami Lakes, FL 33014 dated September 2008. Received and stamped September 16, 2008, DEP - Central District.
2. First Request for Additional Information from Central District – DEP dated October 15, 2008.
3. Response to Request for Additional Information from HDR Engineering Inc., Miami Lakes, Florida dated October 29, 2008. Received and stamped October 30, 2008, Central District – DEP.
4. Permit Application Completion Letter from Central District – DEP dated November 19, 2008.

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 Denied Related
Contractor ID	
Facility Type	100
Document Subject	J.E.D. SWMF, Class I - Waste Solidification, Permit No. SO49-0199726-010, Minor Mod for Waste Solidification

Williams, Elizabeth

From: Shawn McCash [SMcCash@wasteservicesinc.com]
To: Williams, Elizabeth
Sent: Thursday, January 22, 2009 1:00 PM
Subject: Read: J.E.D. minor mod. 0016

Your message

To: SMcCash@wasteservicesinc.com
Subject:

was read on 1/22/2009 1:00 PM.

10
1-22-09

Events Scheduled

7 of 90

Site # 0199726 Site Name OAK HAMMOCK DISPOSAL FACILITY (CLASS 1)
 Permit # 0199726-010-SO Type/Subtype SO / MM Received 09/16/2008
 Project # 010 Project Name OAK HAMMOCK DISPOSAL FAC MOD OF PERMIT: S049-0199726-009

STOP CLOCK: Done PERMIT NO: S049-0199726-010 EXP. DATE 01/11/2012

Event	Begin Date	Period	Due Date	Rmn	Status	End Date
Receive Request	09/16/2008	1	09/17/2008		Done	09/16/2008
Fee Verification	09/16/2008	2	09/18/2008		Sufficient Fee	09/18/2008
Completeness Review	09/16/2008	30	10/16/2008		Incomplete	10/15/2008
RESET CLOCK	10/15/2008	1	10/16/2008		Done	10/15/2008
Awaiting Additional Information	10/15/2008	45	11/29/2008		Received	10/30/2008
Completeness Review	10/30/2008	30	11/29/2008		Complete	11/19/2008
Determine Agency Action	10/30/2008	90	01/28/2009		Issue	01/22/2009
Issue Final Permit	01/22/2009	14	02/05/2009		Issued	01/22/2009
STOP CLOCK	01/22/2009	1	01/23/2009		Done	01/22/2009
ISSUE PERMIT	01/22/2009	1	01/23/2009		Issued	01/22/2009

RED YELLOW GREEN NO PERMIT REQ

HISTORY SHEET

SITE/WAFR/AIR#: 49-0199726-010 **TYPE:** SO **SUBTYPE:** MM

**SITE/WAFR/AIR
NAME:** (

^R Oak Hammock Disposal Fac

**PROJECT
NAME:**

[illegible]

COMPLETED

Golder Associates Inc.

9428 Baymeadows Road, Suite 400
Jacksonville, FL USA 32256
Telephone (904) 363-3430
Fax (904) 363-3445
www.golder.com



January 22, 2009

083-82734.2

Florida Department of Environmental Protection
Division of Air Resource Management
2600 Blair Stone Road
MS 5500
Tallahassee, Florida 32399-2400

Attention: Mr. Errin Prichard
Program Administrator – Emissions Monitoring

RECEIVED
JAN 30 2009
DEP Central Dist.

**RE: ALTERNATIVE OPERATING VARIANCE REQUEST
J.E.D. SOLID WASTE MANAGEMENT FACILITY
OMNI WASTE OF OSCEOLA COUNTY, LLC
ST. CLOUD, OSCEOLA COUNTY, FLORIDA
PERMIT NUMBER: 0970079-005-AV**

Dear Mr. Prichard:

On behalf of Omni Waste of Osceola County, LLC (Omni), Golder Associates Inc. (Golder) has prepared this Alternative Operating Variance request to allow alternative operating procedures for the facility's landfill gas collection and control system (GCCS) to maintain compliance with their Title V Operation Permit. This request addresses elevated temperature at selected gas extraction wells at the facility.

BACKGROUND

The facility recently installed the first phase of the GCCS, which includes a skid mounted flare and twenty-seven gas extraction wells. Since initial start-up, troubleshooting, and well field balancing of the GCCS in late December 2008, several of the gas extraction wells have been operated at or near elevated temperatures of the New Source Performance Standards (NSPS) regulatory limit of 131°F (40CFR60.753(c)). The wells operating at (or near) elevated temperatures are designated as GW-2, GW-12, GW-13, GW-20, and GW-39. These wells have demonstrated good gas quality over the past month of operation (high methane content and low oxygen content). Additionally, during operation the wells have been monitored for carbon monoxide (CO) to rule out the possibility of a rapid subsurface oxidation event. Monitoring results for January 5, 2009, corresponding 5-day and 15-day monitoring results, and CO monitoring results for these wells are included in Attachment A.

Copy for FDEP Solid Waste

COMPLETED FEB 14 2009

Based on our operational experience of GCCS's, the common method to reduce temperature in a gas extraction well is to reduce vacuum, thereby reducing flow through the wellhead. The above noted wells were brought online in a conservative manner (i.e., minimal vacuum applied), yet still exhibited elevated temperatures from initial operation.

Based on discussions with staff of the FDEP, Central District office, on January 13, 2009, Golder understands that Omni must operate these wells under a vacuum at all times to maintain compliance with NSPS. These wells are currently being operated under minimal vacuum (0.3" W.C. or less) in order to monitor the elevated temperatures until an alternative variance request is approved or denied and reducing possible air intrusion. As shown in Attachment A, the methane and oxygen (O₂) concentration in these wells are high and low respectively, and the CO measurements indicate no presence of fire, nor any reason to believe that methanogens are being killed by the elevated temperature condition. Golder believes that the subsurface conditions near these wells is highly thermophilic due to the nature of waste, moisture content, age of waste in these areas, and biologic activities. It is important to note that not all of the wells listed above are continually operating in excess of 131°F (55°C).

Our experience at other municipal solid waste landfills in the southeastern United States indicates that elevated temperatures in selected gas extraction wells are fairly common, especially at landfills that contain waste with high moisture contents, which contributes to very active anaerobic conditions. We have continued to operate and monitor wells with similar elevated temperature readings at other facilities for over two years with no adverse effects. We have learned that it is important to minimize the opportunity for air intrusion by operating the wells at lower vacuums and monitoring gas quality.

ALTERNATIVE OPERATING LIMIT

In accordance with §753(c), a higher operating temperature value may be requested if a demonstration is provided with supporting data that the elevated parameter does not cause fires or significantly inhibit anaerobic decomposition by killing methanogens. As discussed above, Golder considers that the information provided in Attachment A meets this demonstration requirement.

The facility is requesting a operating variance for those wells listed in Attachment A, allowing them to be operated greater than 131°F, provided there is no evidence of fire or significant reduction in methane content (indicating possible reduction of methanogens by inhibiting anaerobic decomposition). The requested maximum temperature limit is 145°F for the listed wells. This temperature limit will allow some flexibility in operations while protecting the GCCS and its components from being affected by the elevated temperatures. Omni will continue to monitor these wells for CO concentrations on a quarterly basis (or increased frequency if needed) over the next twelve months to establish a historical record of levels. Similar procedures will be followed and a separate variance will be requested for any additional wells showing elevated temperatures.

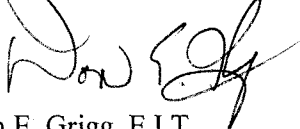
CLOSING

Omni would appreciate your immediate attention to this request in order to maintain compliance timelines required of the NSPS's. If we do not receive an answer to this request by

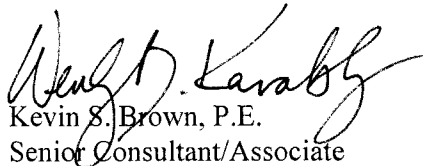
March 6, 2009 (60 days from initial monitoring) we will assume the request is approved and continue operating the wells as noted. Should you have any questions regarding this request, please call Mr. Mike Kaiser of Omni at (904) 673-0446, mkaiser@wsii.us, or either of the undersigned at (904) 363-3430.

Sincerely,

GOLDER ASSOCIATES INC.



Don E. Grigg, E.I.T.
Project Engineer



for Kevin S. Brown, P.E.
Senior Consultant/Associate

Attachment

cc: Jim Bradner, FDEP Central District
Tom Lubozynski, FDEP Central District
Michael Kaiser – Omni Waste of Osceola County, LLC
Leigh-Ann Pell, FDEP Tallahassee

FN: G:\Projects\083\083-82\083-82734\083-82734.2\High Temp Wells\JED Alt Op Request January 2009.doc

ATTACHMENT A

Elevated Temperature Gas Extraction Well Monitoring Data

GAS WELL FIELD MONITORING LOG

J.E.D. SOLID WASTE MANAGEMENT FACILITY

Technician: Keith Lunsford

Date: 1/5/2009

Monitoring Location	Date/Time	CH ₄ (%)	CO ₂ (%)	O ₂ (%)	Balance (%)	Gas Temp. (°F)	Well Vacuum (In. H ₂ O)	Comments
CALIBRATION	1/5/2009 8:18	50.1	35	0	14.9	69	0	
FIRINLET	1/5/2009 9:15	55.9	43.6	0	0.5	81	-24.7	
FIROUTLE	1/5/2009 9:20	56	43.7	0	0.3	92	0.2	
JEDGW034	1/5/2009 9:46	56.5	43.4	0	0.1	113	-1.5	NO ADJUSTMENT
JEDGW032	1/5/2009 9:58	56.3	43.6	0	0.1	125	-0.6	NO ADJUSTMENT
JEDGW029	1/5/2009 10:07	55.8	44.1	0	0.1	109	-1.8	VALVE ADJUSTED
JEDGW025	1/5/2009 10:17	56	43.9	0	0.1	122	-1.8	VALVE ADJUSTED
JEDGW023	1/5/2009 10:24	55.7	44.2	0	0.1	108	-1.8	VALVE ADJUSTED
JEDGW019	1/5/2009 10:53	56	43.9	0	0.1	111	-1.4	NO ADJUSTMENT
JEDGW016	1/5/2009 11:03	55.7	44.2	0	0.1	121	-1.5	NO ADJUSTMENT
JEDGW013	1/6/2009 9:25	55.3	44.5	0	0.2	129	-0.1	NEAR HIGH TEMP
JEDGW011	1/5/2009 11:22	55.2	44.7	0	0.1	116	-1.1	NO ADJUSTMENT
JEDGW009	1/5/2009 11:30	56.1	43.8	0	0.1	110	-1.5	VALVE ADJUSTED
JEDGW008	1/5/2009 11:37	56.7	43.2	0	0.1	110	-1.8	VALVE ADJUSTED
JEDGE007	1/5/2009 11:43	56.6	43.3	0	0.1	120	-1	NO ADJUSTMENT
JEDGW005	1/5/2009 11:49	56.4	43.5	0	0.1	115	-0.8	NO ADJUSTMENT
JEDGW003	1/5/2009 11:57	56.1	43.8	0	0.1	113	-1.8	VALVE ADJUSTED
JEDGW001	1/5/2009 12:03	55.4	44.5	0	0.1	115	-1.7	VALVE ADJUSTED
JEDGW038	1/5/2009 12:09	55.5	44.4	0	0.1	121	-1.2	NO ADJUSTMENT

FIR=Flare Initial Readings
FAR=Flare After Readings

J.E.D. SOLID WASTE MANAGEMENT FACILITY

Date: 1/7/2009

[illegible]

FIR=Flare Initial Readings
FAR=Flare After Readings

GAS WELL FIELD MONITORING LOG

J.E.D. SOLID WASTE MANAGEMENT FACILITY

Carbon Monoxide Test

Technician: K.Lunsford

Date: 1/8/2009

Monitoring Location	Date/Time	PPM	Gas Temp. (°F)
JEDGW039	1-08-09/1:47PM	50	131
JEDGW002	1-08-09/1:53PM	10	130
JEDGW012	1-08-09/2:00PM	15	139
JEDGW020	1-08-09/2:06PM	5	131
JEDGW013	1-08-09/2:10PM	10	131

J.E.D. SOLID WASTE MANAGEMENT FACILITY

Date: 1/14/2009 15 day

[illegible]

FIR=Flare Initial Readings
FAR=Flare After Readings

Janwadkar, Sandeep

From: Cheryan, George
Sent: Monday, January 26, 2009 1:37 PM
To: Janwadkar, Sandeep
Subject: FW: Financial Assurance for JED - revised

From: Hornbrook, Frank
Sent: Friday, January 23, 2009 1:08 PM
To: Lubozynski, Tom
Cc: Cheryan, George
Subject: RE: Financial Assurance for JED - revised

Mr. Lubozynski,

What Mr. Kaiser has stated was my understanding of the intended submission of the partial closure estimate. However I agree with you that a recalculated estimate is needed for all cells 1-6. They should do this however after the partial closure is completed and District certified. As to begin partial closure now, I can verify that they are currently in FA compliance for cells 1-6 and from a FA standpoint (at least to amounts listed below) they may proceed with any partial closure activities. The monies they use to complete the partial closure will not be financial assurance money, but operational monies, and they may not lower the financial assurance until the partial closure is completed and district certified. When the partial closure is certified they should be required to submit a recalculated estimate for the entire facility due to a change in closure plan and wished reduction in FA obligations, if this is completed sometime in 2009 they can use the partial closure recalculated estimate information as you stated infused into the total estimate. These things I stated would only be correct if the situation is as Mr. Kaiser states and as I had interpreted, of course I don't have all the information.

For the currently due 2009 annual estimates, I guess it would depend on how long this partial closure would take to be certified complete. Probably longer than March 1, so I would suggest allowing them to inflation adjust cells 1-6 (and not considering the partial closure amount in that adjustment) but using the following to inflation adjust.

9/30/2008 – Total for Facility Cells 1-6	\$6,594,943.23	\$6,554,024.20	Approved by DEP; amount currently funded
--	----------------	----------------	--

This will mean they will probably submit two estimates in 2009, the first increasing the total FA by inflation adjustment and the second, if approved, lowering it by an approved recalculated estimate. I don't know the future fill sequence but if additional cells come on line that of course would mean other adjustments. It would be nice if they engineered their cells a bit larger because I have noted multiple modification to financial annually for the past couple years and this of course leads to confusion.

Frank Hornbrook

From: Michael Kaiser [mailto:mkaiser@wasteservicesinc.com]
Sent: Friday, January 23, 2009 11:51 AM
To: Lubozynski, Tom

Cc: Shawn McCash; Cheryan, George; Janwadkar, Sandeep; Hornbrook, Frank; Wick, Fred; CBrowne@Geosyntec.com
Subject: RE: Financial Assurance for JED - revised

Mr. Lubozynski:

Thanks for the follow-up strikethrough clarifications. I was just responding to your earlier e-mail and the strikethrough information clears up a lot of confusion. Can we try and coordinate a telephone call to discuss as there is still some confusion on my end. Maybe we submitted and responded to your RAI questions with some confusion on what was requested or intended?

The information you provide in your latest e-mail supports the point I was trying to make in my previous e-mails. We submitted a cost estimate in December 2008 for partial closure of areas of Cells 1-4 based on your RAI request for the Permit Modification to complete closure. This was not intended as a revision to any current approved estimates supporting our current closure financial assurance mechanisms. We stand by the current approved closure and post-closure estimates for Cells 1-6, and the insurance mechanism in-place and approved by FDEP Tallahassee. If the entire facility were to close today, those are the estimated costs/funds we would be needed to close all active areas and perform post-closure monitoring. The estimate we provided in December for \$2,210,980 was an estimate of construction costs to complete the partial closure in Cells 1-4. We submitted this detail estimate based on the RAI request assuming it would be used for reducing the current estimate once construction was completed and approved, not as an increase or revision to any current approved estimate. Our intent would be to request a reduction of \$2,210,980 from our current total closure estimate of \$6,594,943 when the partial closure is complete (since the partial closure occurred within the Cell 1-6 area). I revised your table below to show how I understand the numbers would work out.

Thanks,

Date	Closure Estimate	Long-Term Care Estimate	Basis
2/7/2008 e-mail to Mike Kaiser	\$5,435,168.89	\$6,114,173.73	Inflation adjustment approved by DEP on 12/20/2007
9/30/2008 – Cell 6 only	\$1,159,774.34	\$439,850.47	Information from JED
9/30/2008 – Total for Facility Cells 1-6	\$6,594,943.23	\$6,554,024.20	Approved by DEP; amount currently funded
12/30/2008 – Partial closure Cells 1-4, Phase I	(\$2,210,980.06)	No change	Estimate for partial closure of Cells 1-4
01/22/2009 - Total for Facility Cells 1-6, remaining areas after partial closure	\$4,383,963.17	No change	We understand long-term care cannot be reduced until the entire facility is closed

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

From: Lubozynski, Tom [mailto:Tom.Lubozynski@dep.state.fl.us]
Sent: Friday, January 23, 2009 10:34 AM
To: Lubozynski, Tom; Michael Kaiser

Cc: Shawn McCash; Cheryan, George; Janwadkar, Sandeep; Hornbrook, Frank; Wick, Fred

Subject: RE: Financial Assurance for JED - revised

TO: All

I made revisions to my e-mail below. I referred to the December 30, 2008 cost estimate incorrectly. It was a cost estimate for the partial closure of Phase 1, not the closure of Cell 6.

Tom

From: Lubozynski, Tom

Sent: Friday, January 23, 2009 10:13 AM

To: 'Michael Kaiser'

Cc: Shawn McCash; Cheryan, George; Janwadkar, Sandeep; Hornbrook, Frank; Wick, Fred; Lubozynski, Tom

Subject: Financial Assurance for JED

TO: Mike Kaiser

WSI must fund a financial assurance mechanism of \$7,646,148.95 for total closure costs and \$6,554,024.20 for long-term care costs before permit modification -011 can be issued. The only change has been an increase in the total cost for closure for Cells 1-6. It was changed because WSI submitted a revised cost estimate for ~~Cell 6 closure~~ partial closure.

Date	Closure Estimate	Long-Term Care Estimate	Basis
2/7/2008 e-mail to Mike Kaiser	\$5,435,168.89	\$6,114,173.73	Inflation adjustment approved by DEP on 12/20/2007
9/30/2008 – Cell 6 only	\$1,159,774.34	\$439,850.47	Information from JED
9/30/2008 – Total for Facility Cells 1-6	\$6,594,943.23	\$6,554,024.20	Approved by DEP; amount currently funded
12/30/2008 – cell 6 only Partial closure Phase I	\$2,210,980.06	No change	New closure estimate for cell 6 partial closure
01/22/2009 - Total for Facility Cells 1-6	\$7,646,148.95 (= \$5,435,168.89 + \$2,210,980.06)	\$6,554,024.20 (= \$6,114,173.73 + \$ 439,850.47)	Latest DEP approved estimate; increase based on new closure cost estimate for cell 6

Rule 62-701.630(4)(c), F.A.C. states, "If the closure or long-term care plan is modified ... the owner or operator shall revise the cost estimate. Revisions shall be made and submitted as specified in subparagraph (4)(b)1. of this section."

Rule 62-701.630(4)(b)1 requires a calculated, detailed cost estimate. The annual estimate updates approved in 2007 and 2008 involved inflation adjustments for at least part of the facility. Since those approvals, there have been changes to operations and the closure plan of the landfill. (We may have overlooked whether the vertical expansion added to the closure and long term care costs.) Therefore, for the 2009 annual update to the closure and long-term care cost estimates, you must submit a detailed cost estimate for the entire facility rather than an inflation adjusted cost estimate. The new estimate is due not later than March 1, 2009.

You may use the December 30, 2008 ~~Cell 6~~ partial closure cost estimate, as is, in your detailed cost estimate. However, ~~the closure cost for Cells 1-5~~ any additional closure costs must be a new detailed cost estimate. Also, the long-term care cost for cells 1-6 must be a new detailed cost estimate. Because you plan to do a partial closure, it would be best to show the calculations for the area that will be closed early as a separate calculation. This will make it easier to decide how much the closure cost estimate should be reduced when the partial closure is finished.

Hope this clears up any confusion.

Tom Lubozynski

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

From: Michael Kaiser [mailto:mkaiser@wasteservicesinc.com]
Sent: Thursday, January 22, 2009 1:44 PM
To: Lubozynski, Tom
Cc: Shawn McCash
Subject: FW: J.E.D. Class I intermediate mod. 0015

Tom,

I read through the attached RAI and have a question. I did not submit a financial assurance mechanism for the proposed partial closure area because we have an approved mechanism in-place that covers the entire Cell 1-6 areas. Providing a second mechanism for \$2,210,980 would double up the insurance certificate we already have in-place? I assumed you requested the estimate in the first RAI for use in reducing the current closure mechanism when closure construction is complete. Can you help me understand what we are trying to accomplish.

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

From: Williams, Elizabeth [mailto:Elizabeth.Williams@dep.state.fl.us]
Sent: Thursday, January 22, 2009 12:41 PM
To: Shawn McCash
Cc: cbrowne@geosyntec.com; Kbadutweneboah@geosyntec.com; Michael Kaiser; Hornbrook, Frank; Lubozynski, Tom; Janwadkar, Sandeep; Cheryan, George
Subject: J.E.D. Class I intermediate mod. 0015

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.

Cover Florida, developed by Governor Charlie Crist and the Florida Legislature, gives Floridians access to more affordable health insurance options. To learn more or to sign up for email updates, visit www.CoverFloridaHealthCare.com.

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
FAX 407/893-3124

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.



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 (Omni)
1501 Omni Way
St. Cloud, FL 34773

OCD-SW-09-0015

Osceola County – SW
J.E.D. Solid Waste Management Facility – Class I
Partial Closure of Side Slopes of Phase I – Intermediate Modification
Modification of Permit No. SO49-0199726-010
Permit Application No. SO49-0199726-011
Second Request for Additional Information

Dear Mr. McCash:

The additional information dated December 30, 2008 and received on December 31, 2008 was reviewed. The items listed on the attached page remain incomplete. Evaluation of your application will continue to 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 or by e-mail at tom.lubozynski@dep.state.fl.us.

Sincerely,

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

Date: January 22, 2009

FTL/sj

Enclosure
cc:

Craig R. Browne, P.E., Geosyntec Consultants, cbrowne@geosyntec.com
Kwasi-Badu Tweneboah, Ph.D., P.E., Geosyntec Consultants, kbadutweneboah@geosyntec.com
Mike Kaiser, Waste Services, Inc., mkaiser@wasteservicesinc.com
Frank Hornbrook, FDEP, frank.hornbrook@dep.state.fl.us

FO
1-22-09

1. The Department is approving the Financial Assurance Cost Estimate provided in Attachment 2 of the "Response to Request for Additional Information dated 18 December 2008, Partial Closure of Side Slopes of Phase I – Intermediate Modification, J.E.D. Solid Waste Management Facility, Class I, Osceola County, Florida (Permit Application No. SO49-0199726-011)", Prepared by: Geosyntec Consultants, 14055 Riveredge Drive, Suite 300, Tampa, FL 33637 dated December 30, 2008. The estimate is dated December 2008 and signed and sealed December 30, 2008. The estimated total closing costs for partial closure of side slopes of Phase I (24.7 Acres) is \$2,210,980.06. The Central District accepts it as adequate for the site at this time. A financial mechanism must be funded in the amount of the total closure 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
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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 Application Related
Contractor ID	
Facility Type	100
Document Subject	J.E.D. SWMF, Class I- Phase I, Partial Closure of Side Slopes, Permit App. No. SO49-199726-011, Second RAI

Williams, Elizabeth

From: Shawn McCash [SMcCash@wasteservicesinc.com]
To: Williams, Elizabeth
Sent: Thursday, January 22, 2009 1:07 PM
Subject: Read: J.E.D. Class I intermediate mod. 0015

Your message

To: SMcCash@wasteservicesinc.com
Subject:

was read on 1/22/2009 1:07 PM.

*FD
1-22-09*

FILE COPY



1501 Omni Way, St. Cloud, FL 34773

January 19, 2009

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 Oct. 1 - Dec. 31, 2008**
J.E.D. Solid Waste Management Facility
Osceola County, Florida
Permit Nos. SC49-0197726-006 and S049-0199726-007

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	15,482.01
Agricultural Waste	0.00
Commercial Waste	106,291.31
Incinerator By-Pass Waste	0.00
Construction & Demolition Debris	44,661.03
Industrial Sludge	0.00
Treated Biomedical Waste	4,721.33
Yard Trash	0.00
Industrial Waste	82,283.21
Ash Residue	1,779.80
Sewage Sludge	26,340.65
Water/Air Treatment Sludges	0.00
Waste Tires	.29

WACS 1/29/09
GWS 1/29/09

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.

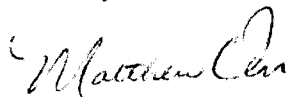
Specific Condition 35 – Leachate Quantities

The following monthly leachate quantities were recorded at the leachate sump systems for Cells 1-5.

Location	Volume (gallons)		
	October - 2008	Nov. - 2008	Dec. - 2008
Cell 1	131,319	132,191	114,598
Cell 2	81,363	45,214	49,493
Cell 3	69,382	40,461	40,371
Cell 4	83,727	72,397	91,545
Cell 5	150,370	148,449	156,378

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**

Oct-08

Date	Precipitation (inches)
10/1/2008	0.5
10/2/2008	0
10/3/2008	0
10/4/2008	0
10/5/2008	0
10/6/2008	0
10/7/2008	2
10/8/2008	2
10/9/2008	0
10/10/2008	0
10/11/2008	1
10/12/2008	1
10/13/2008	1
10/14/2008	0
10/15/2008	0
10/16/2008	0
10/17/2008	0
10/18/2008	0
10/19/2008	0
10/20/2008	0
10/21/2008	0
10/22/2008	0
10/23/2008	0.2
10/24/2008	0.1
10/25/2008	0.1
10/26/2008	0.1
10/27/2008	0
10/28/2008	0
10/29/2008	0
10/30/2008	0
10/31/2008	0
Month Total	8

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

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

Nov-08

Date	Precipitation (inches)
11/1/2008	0.1
11/2/2008	0
11/3/2008	0
11/4/2008	0
11/5/2008	0
11/6/2008	0
11/7/2008	0
11/8/2008	0
11/9/2008	0
11/10/2008	0.1
11/11/2008	0
11/12/2008	0
11/13/2008	0
11/14/2008	0
11/15/2008	0
11/16/2008	0
11/17/2008	0
11/18/2008	0
11/19/2008	0
11/20/2008	0
11/21/2008	0
11/22/2008	0
11/23/2008	0
11/24/2008	0
11/25/2008	0
11/26/2008	0
11/27/2008	0
11/28/2008	0
11/29/2008	0
11/30/2008	0.3
Month Total	0.5

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

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

Dec-08

Date	Precipitation (inches)
12/1/2008	0.1
12/2/2008	0
12/3/2008	0
12/4/2008	0
12/5/2008	0
12/6/2008	0
12/7/2008	0
12/8/2008	0
12/9/2008	0
12/10/2008	0.1
12/11/2008	0
12/12/2008	0
12/13/2008	0
12/14/2008	0
12/15/2008	0
12/16/2008	0
12/17/2008	0
12/18/2008	0
12/19/2008	0
12/20/2008	0
12/21/2008	0
12/22/2008	0
12/23/2008	0
12/24/2008	0
12/25/2008	0.25
12/26/2008	0.25
12/27/2008	0
12/28/2008	0
12/29/2008	0
12/30/2008	0
12/31/2008	0
Month Total	0.7

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

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

Year - 2008

Month	Precipitation Total (inches)
January	6
February	6.5
March	7.5
April	13.5
May	9
June	12
July	21.5
August	29
September	8
October	8
November	0.5
December	0.7
Year Total	122.2

Cheryan, George

From: Lubozynski, Tom
Sent: Wednesday, January 14, 2009 11:35 AM
To: 'Michael Kaiser'; Cheryan, George
Cc: Shawn McCash; Matt Orr; Keith Lunsford; DePradine, Gloria-Jean; Lubozynski, Tom
Subject: FW: JED Solid Waste Management Facility - Report of Leachate Pipe Cleanout Cells 1 & 4
Attachments: Letter Report JED SWMF Leachate Pipe Cleaning Cells 1 and 4 - January 9, 2009.pdf

TO: Mike Kaiser - I received the report. The attachment opened fine. No need to send a hard copy.

TO: George - please ensure the report meets our requirements. If not let me know. I will place this e-mail in Oculus.

Tom Lubozynski

From: Michael Kaiser [mailto:mkaiser@wasteservicesinc.com]
Sent: Wednesday, January 14, 2009 10:49 AM
To: Lubozynski, Tom
Cc: Shawn McCash; Matt Orr; Keith Lunsford; DePradine, Gloria-Jean
Subject: JED Solid Waste Management Facility - Report of Leachate Pipe Cleanout Cells 1 & 4

Mr. Lubozynski:

Please find attached an electronic copy of the Leachate Cleanout Pipe Report for the Cell 1 and 4 disposal areas at the JED Solid Waste Management Facility. I will mail an original copy unless I receive acknowledge you received the attachment to this e-mail.

Please call if you have any questions.

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

January 9, 2009

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: Report of Cleaning of Leachate Collection Pipes – Cells 1A/B and 4
J.E.D. Solid Waste Management Facility
Osceola County, Florida
Permit Nos. SC49-0197726-004 and SO49-0199726-005

Dear Mr. Lubozynski:

Omni Waste of Osceola County, LLC (Omni) is submitting the attached reports provided by Florida Jetclean of Lutz, Florida, documenting the inspection and cleaning of the leachate collection pipes for Cells 1A/B and 4 at the J.E.D. Solid Waste Management Facility. As required of Specific Condition 34 of the above listed facility permits, the inspection and cleaning of the leachate pipes for each Cell fulfills the average five year inspection and cleaning requirement. Disposal activities began in Cell 1A/B on January 26, 2004, and Cell 4 on September 3, 2005.

If you have any questions or require any additional information, please contact me at (904) 673-0446, mkaiser@wsil.us, at your earliest convenience.

Sincerely,

A handwritten signature in cursive script that reads "Mike Kaiser". The signature is written in dark ink and is positioned above the printed name and title.

Mike Kaiser
V.P., Environmental Management and Engineering

Attachments

FLORIDA JETCLEAN

HIGH PRESSURE WATER JETTING
VIDEO PIPELINE INSPECTION
NO DIG POINT REPAIRS
WWW.FLORIDAJETCLEAN.COM

19019 FERN MEADOW LOOP
LUTZ, FL 33558
TEL: 800-226-8013 FAX: 813-926-4616
FLORIDAJETCLEAN@TAMPABAY.RR.COM

DATE : 12/29/2008
TO : Michael Kaiser – Waste Services
FROM : Ralph Calistri (floridajetclean@tampabay.rr.com)
SUBJECT : Oak Hammock Landfill Cells 1 A & B

Florida Jetclean completed the high-pressure water-jetting of the Cell 1 A&B leachate collection piping on 12/23/2008.

Existing Cell #1 A&B:

All leachate collection piping in this existing cell was accessed via high-pressure water-jetting nozzle and is clean and blockage free. This leachate collection system appears to flow and drain properly, and appears to be in a sound condition to deliver leachate.

Please call us with questions or concerns.

Regards,


Ralph Calistri - Florida Jetclean

FLORIDA JETCLEAN

HIGH PRESSURE WATER JETTING
VIDEO PIPELINE INSPECTION
NO DIG POINT REPAIRS
WWW.FLORIDAJETCLEAN.COM

19019 FERN MEADOW LOOP
LUTZ, FL 33558
TEL: 800-226-8013 FAX: 813-926-4616
FLORIDAJETCLEAN@TAMPABAY.RR.COM

DATE : 6/17/2008
TO : Michael Kaiser - Waste Services
FROM : Ralph Calistri (floridajetclean@tampabay.rr.com)
SUBJECT : Oak Hammock Landfill Cells 4 & 6

Florida Jetclean completed the high-pressure water-jetting of the Cell 4 existing leachate collection piping and the Cell 6 new leachate collection piping on 6/4/2008.

Existing Cell #4:

All leachate collection piping in this existing cell was accessed via high-pressure water-jetting nozzle and is clean and blockage free. This leachate collection system appears to flow and drain properly, and appears to be in a sound condition to deliver leachate.

New Cell #6:

All leachate collection piping in this new cell was accessed via high-pressure water-jetting nozzle and is clean and blockage free. This leachate collection system appears to flow and drain properly, and appears to be in a sound condition to deliver leachate.

Please call us with questions or concerns.

Regards,


Ralph Calistri - Florida Jetclean

Memorandum

Environmental Protection

TO: G. DePRADINE

FROM: T. LUBOZYNSKI, P.E.

DATE: January 9, 2009

SUBJECT: County: OSCEOLA

Permit/000: MODIFICATION OF PERMIT No. 5049-0199726-010

Facility: J.E.D. SW Management FACILITY, PARTIAL CLOSURE OF

Attachment: SIDE SLOPES OF PHASE I - INTERMED. 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

January 19, 2009.

☐ As soon as possible for your schedule.

Comments:

cc: S. JANWADKAR