



Florida Department of
Environmental Protection
Inspection Checklist

FACILITY INFORMATION:

Facility Name: J.E.D LANDFILL (F/K/A OAK HAMMOCK DISPOSAL)

On-Site Inspection Start Date: 10/20/2010

On-Site Inspection End Date: 10/20/2010

WACS No.: 89544

Facility Street Address: 1501 OMNI WAY

City: ST. CLOUD

County Name: OSCEOLA

Zip: 34773

INSPECTION PARTICIPANTS:

(Include ALL Landfill and Department Personnel with Corresponding Titles)

Principal Inspector: Sandeep Janwadkar, Inspector

Other Participants: Mike Kaiser, Permittee Representative; Kirk Wills, Senior Engineer; George Cheryan, Permitting Manager

INSPECTION TYPE:

Construction Completion Certification Inspection for Landfill - Class I facility

ATTACHMENTS TO THE INSPECTION CHECK LIST:

This Cover Page to the Inspection Checklist may include any or all of the following attachments as appropriate.

Pre-existing Areas Of Concern:

Rule: 62-701.530(3)(a)

Question Number: 2.26

Explanation: Gas monitoring reports indicate combustible gas concentrations above the LEL.

Corrective Action: Gas Remediation Plan submitted and is under review.

Rule: 62-701.500(7)(j)

Question Number: 2.21

Explanation: Erosion/seepage was noted on cell 6 east side slope.

Corrective Action: The seepage area was in the process of being dug out and backfilled with chipped tires at the time of this inspection.

Rule: 62-701.500(7)(j)

Question Number: 2.21

Explanation: Erosion was noted on the east side slope.

Corrective Action: Repair areas of erosion in a timely manner.

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Rule:	62-701.530(3)(a)
Question Number:	2.26
Explanation:	Gas monitoring reports indicate combustible gas concentrations above the LEL.
Corrective Action:	Provide the Department and update regarding gas remediation efforts.

Rule:	62-701.530(3)(a)
Question Number:	2.26
Explanation:	CH ₄ concentrations as reported quarterly exceed the LEL at various monitoring points.
Corrective Action:	Continue pursuing investigative and corrective actions as discussed with Department.

Rule:	62-701.500(7)(j)
Question Number:	2.21
Explanation:	Erosion was noted on cell 6 east side slope.
Corrective Action:	Repairs were recently made to a seep. The top portion of the repaired area was sodded and the lower repaired section experienced erosion due to recent rains. The lower section is scheduled to be repaired and sodded.

COMMENTS:

10/21/2010

The objective of this site inspection was to verify the construction completion of the Cell 7 to receive the Class I solid waste, and also the Phase I - Sequence 3A expansion of gas collection and control system.

The Cell 7 (footprint of 12 acres) construction consisted of following components from top to bottom: 24-inch thick liner protective soil layer; primary geocomposite drainage layer, 60-mil thick textured high density polyethylene (HDPE) primary liner, a primary geocomposite clay liner (GCL) within the sump area; secondary geocomposite drainage layer; secondary liner consisting of 60-mil thick textured HDPE geomembrane; secondary GCL; and 6-inch thick prepared liner subbase. The other construction work associated with Cell 7 included the following: Leachate collection system consisting of one 6-inch HDPE perforated primary leachate collection pipe and one 4-inch HDPE perforated secondary leachate detection system, two 24-inch dia HDPE primary sump risers and one 24-inch HDPE secondary sump riser; installation of two stormwater drainage structures; one leachate transmission line manhole; and the perimeter maintenance road on west side of Cell ; and extending the landfill perimeter berm on west side, and extending the leachate transmission line.

The Phase I - Sequence 3A gas collection and control system consists of installation of 12 new 8-inch diameter vertical gas extraction wells; 3 replacement vertical gas extraction wells (GW-4, GW-15, and GW-40); and one 8-inch diameter test well and associated lateral gas conveyance pipe.

The permittee representatives, and the CQA engineer were also present during the site visit and the inspection. The leachate collection pumpout system was turned on to check the flow meter function. A typical newly installed gas collection well was also checked. Minor erosion along the west sideslopes and ponding of stormwater near the sump area were noted. The regrading of the liner protective soil cover layer and repair of the erosion areas were ongoing during the site visit. The permittee representative indicated that they will complete the repairs/maintenance activities in

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the next few weeks. Photos taken during the inspection are attached with this report.

Review comments/feedback related to the following documents: 1) Certification Report Construction of Cell 7 dated September 2010; 2) Minor Modification Application for Phased Financial Assurance Cell 7 Construction dated September 2010; and 3) Construction Record Documentation Report Gas Collection and Control System Phase I - Sequence 3A dated September 2010 were also provided to the Permittee Representative and the CQA Engineer. The Permittee representative agreed to submit the response to these comments in the next few days.

ATTACHMENTS:

Leachate Pumpout System



Leachate Pumpout System



Leachate TransmissionLine Manhole



Cell 7 looking in SE Direction



Cell 7 w/ Limits of Liner Marker



Gas Wells - Sequence 3A



Inspection Date: 10/20/2010

GW-35 Installed - Sequence 3A



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Signed:

Sandeep Janwadkar

PRINCIPAL INSPECTOR NAME

Inspector

PRINCIPAL INSPECTOR TITLE**PRINCIPAL INSPECTOR SIGNATURE**

FDEP

ORGANIZATION

10/21/2010

DATE

Mike Kaiser

REPRESENTATIVE NAME

Permitttee Representative

REPRESENTATIVE TITLE

NO SIGNATURE

REPRESENTATIVE SIGNATURE

WSI

ORGANIZATION

Kirk Wills

REPRESENTATIVE NAME

Senior Engineer

REPRESENTATIVE TITLE

NO SIGNATURE

REPRESENTATIVE SIGNATURE

EPS, Inc.

ORGANIZATION**Report Approvers:**

George Cheryan

SUPERVISOR NAME

Permitting Manager

SUPERVISOR TITLE

NO SIGNATURE

SUPERVISOR SIGNATURE

FDEP

ORGANIZATION

NOTE: By signing this document, the Site Representative only acknowledges receipt of this Inspection Report and is not admitting to the accuracy of any of the items identified by the Department as "Not Ok" or areas of concern.