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Submitted to:

Florida Department of
Environmental Protection

CERTIFICATION REPORT
CONSTRUCTION OF CELL 3

OAK HAMMOCK DISPOSAL FACILITY
Osceola County, Florida

Prepared for

Waste Services of Florida, Inc.
1501 Omni Way
St. Cloud, Florida

Prepared by

GeoSyntec Consultants
14055 Riveredge Drive, Suite 300
Tampa, Florida 33637

Project Number FQ0952
October 2006

PDF Doc No. GEAG-06-34

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

DEP Form # 62-701.900(2)
Form Title Certification of Construction Completion
Effective Date May 19, 1994

DEP Application No. _____
(Filled by DEP)

Certification of Construction Completion of a Solid Waste Management Facility

DEP Construction Permit No: SC-49-0199726-001 County: OSCEOLA

Name of Project: OAK HAMMOCK DISPOSAL FACILITY

Name of Owner: OMNI WASTE OF OSCEOLA COUNTY, LLC

Name of Engineer: GEOSYNTEC CONSULTANTS

Type of Project: CONSTRUCTION OF CELL 3

Cost: Estimate $ _____ Actual $ _____

Site Design: Quantity: 1,700 ton/day Site Acreage: CELL 3, APPROX. 11 Acres

Deviations from Plans and Application Approved by DEP:

NO SIGNIFICANT DEVIATIONS FROM THE APPROVED PLANS AND APPLICATION.

Address and Telephone No. of Site: 1501 OMNI WAY, ST. CLOUD, FLORIDA 34773
TELEPHONE: (407) 891-3720

Name(s) of Site Supervisor: MATT ORR (WSI)

Date Site inspection is requested: OCTOBER 2006

This is to certify that, with the exception of any deviation noted above, the construction of the project has been completed in substantial accordance with the plans authorized by Construction

Permit No. SC-49-0199726-001 :Dated: 18 OCTOBER 2002

Date: 30 OCT 2006

A. Gupta
Signature of Professional Engineer

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

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

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

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

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

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

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1. INTRODUCTION

1.1 Overview

This certification report summarizes the Construction Quality Assurance (CQA) activities performed by GeoSyntec Consultants (GeoSyntec), Tampa, Florida during construction of Cell 3 at the Oak Hammock Disposal Facility (OHDF), a Class I landfill, located in Osceola County, Florida. OHDF operates under the name of J.E.D. Solid Waste Management Facility. OHDF is owned by Omni Waste of Osceola County, LLC, which is a wholly owned subsidiary of Waste Services of Florida, Inc. (WSI). The CQA activities performed by GeoSyntec included monitoring of:

(i) earthwork construction;

(ii) geosynthetics installation;

(iii) leachate collection system construction; and

(iv) miscellaneous activities associated with development and ongoing operation of the landfill.

The CQA activities were performed to confirm that the construction materials and procedures were in compliance with the Construction Permit SC49-0199726-001 issued by the Florida Department of Environmental Protection (FDEP), Central District and in accordance with Chapter 62-701, Solid Waste Management Facilities, Florida Administrative Code (FAC). An additional leachate collection drain was installed within Cell 3 in accordance with Permit No. S049-0199726-003.

Cell 3 was constructed in accordance with the above mentioned permit and associated permit drawings. This certification report was prepared for Mr. Shawn McCash of WSI. The report was prepared by Mr. Kirk Wills and Mr. Jay Eun and was reviewed by Mr. Ayushman Gupta, P.E., all of GeoSyntec.

It is noted that this certification report covers the construction of Cell 3 only. The construction of the leachate transmission line and the leachate storage area were included in GeoSyntec's report entitled "*Certification Report, Construction of Cell 1A and Leachate Storage Area*", which was submitted to FDEP in January 2004. Hereafter, the certification report for construction of Cell 1A and the leachate storage area is referred to as Cell 1A Certification Report.

1.2 Report Organization

This certification report is organized as described below.

- A brief description of the project is provided in Section 2;
- A summary of the CQA program is presented in Section 3;
- A description of the CQA monitoring and testing activities performed during earthwork related construction activities in Cell 3 is provided in Section 4;
- A description of the CQA monitoring and testing activities performed during the geosynthetics installation in Cell 3 is provided in Section 5;
- A description of the CQA monitoring and testing activities performed during construction of the leachate collection system in Cell 3 is provided in Section 6;
- A description of the CQA monitoring and testing performed during miscellaneous activities associated with development and ongoing operation of the landfill is provided in Section 7; and
- A summary of the observations resulting from the CQA monitoring and testing activities performed by GeoSyntec and a certification statement signed and sealed by a professional engineer registered in the State of Florida are presented in Section 8.

The nuclear moisture/density test logs are included in Appendix A. The geomembrane field logs are provided in Appendix B. Record drawings for the top of the liner subbase layer including the top of low permeability soil in sump, and the primary and secondary geomembrane panel layouts are included in Appendix C. A photographic log of major construction activities is included in Appendix D of this report.

2. PROJECT DESCRIPTION

2.1 General

The OHDF is located in eastern Osceola County, Florida, west of highway U.S. 441, approximately 6.5 miles south of Holopaw. The landfill facility is connected to highway U.S. 441 by a 2.86-mile paved access road, which was constructed as part of the overall project site development.

The OHDF site comprises a total of approximately 2,179 acres. The landfill footprint at final build-out is approximately 264 acres and consists of a total of 21 landfill cells that provide available waste capacity for approximately 30 years. FDEP issued a construction and operation permit for the landfill on 18 October 2002. The first five-year construction and operation permit addresses Phase 1 development of OHDF. Phase 1 includes up to four landfill cells (Cells 1 through 4) in the northern part of the landfill and covers approximately 52 acres. Cell 3 is approximately 11 acres.

Cell 1 (in Phase 1) was constructed in two parts. The construction of Cell 1A and 1B were completed in January 2004 and May 2004, respectively. The construction of Cell 4 and Cell 2 was completed in May 2005 and April 2006, respectively. It is noted that Cell 3 was the fourth cell to be constructed as part of the Phase 1 development of the OHDF. This report addresses the CQA activities performed during construction of Cell 3.

2.2 Construction Activities

This certification report pertains to CQA monitoring and testing activities performed for construction of Cell 3 only. The construction of Cell 3 included earthwork, liner system installation, and leachate collection system construction as indicated in the construction drawings prepared for the construction of Cell 3. The CQA monitoring and testing activities performed for construction of the leachate transmission line and leachate storage area were discussed in the Cell 1A Certification Report (GeoSyntec, January 2004).

The Cell 3 design incorporates a double-composite liner system and other engineering controls that meet or exceed the requirements of Chapter 62-701, FAC. The Cell 3 liner system consists of the following components (from top to bottom):

- minimum 24-in (610-mm) thick protective soil layer;
- primary geocomposite drainage layer, consisting of a high-density polyethylene (HDPE) geonet with a needle-punched, non-woven geotextile heat bonded to each side, hereafter referred to as primary geocomposite;

- primary liner, consisting of a 60-mil (1.5-mm) thick textured HDPE geomembrane;
- primary geosynthetic clay liner (GCL) consisting of an internally reinforced composite, composed of granular sodium bentonite encapsulated between a needle-punched non-woven geotextile and a woven geotextile;
- secondary geocomposite drainage layer, consisting of a HDPE geonet with a needle-punched, non-woven geotextile heat bonded to each side, hereafter referred to as secondary geocomposite;
- secondary liner, consisting of a 60-mil (1.5-mm) thick textured HDPE geomembrane;
- secondary GCL consisting of an internally reinforced composite, composed of granular sodium bentonite encapsulated between a needle-punched non-woven geotextile and a woven geotextile; and
- minimum 6-in (152-mm) thick prepared liner subbase.

The Cell 3 leachate collection system consists of the following components:

- a 6-in (152 mm) diameter HDPE perforated leachate collection pipe surrounded by gravel aggregate and non-woven geotextile filter fabric, as part of the primary leachate collection system; and
- a 6-ft (1.83 m) wide secondary geocomposite layer as part of the secondary leak detection system.

3. CONSTRUCTION QUALITY ASSURANCE PROGRAM

3.1 General

The scope of CQA monitoring, testing, and documentation services performed by GeoSyntec during the construction of Cell 3 at the OHDF included review of documents, field CQA operations, and preparation of this final certification report which includes record drawings for the liner system. These activities are described in the following sections of this report.

GeoSyntec provided the CQA monitoring, testing, and documentation as well as the original design and construction drawings. A list of personnel involved in construction of Cell 3 at the OHDF is included in Section 3.5 of this report.

The earthwork for construction of Cell 3 commenced on 02 May 2006. The installation of the liner system in Cell 3 commenced on 13 July 2006. The placement of the protective soil layer in Cell 3 commenced on 11 September 2006. Construction of Cell 3 (described in this certification report) was completed on 19 October 2006.

3.2 Related Documents

As previously noted, this certification report summarizes the CQA activities performed by GeoSyntec during construction of Cell 3 at the OHDF. The CQA activities conducted by GeoSyntec were intended to satisfy the requirements of the following documents:

- permit application entitled "*Application for a Permit to Construct and Operate a Class I Landfill*", prepared and submitted by GeoSyntec Consultants, Tampa, Florida on 24 May 2002 and approved by the FDEP Central District on 18 October 2002;
- "*Construction Quality Assurance (CQA) Plan*", Appendix Q of the OHDF Permit Application, dated May 2002;
- "*Technical Specifications*", Appendix P of the OHDF Permit Application, dated May 2002;
- permit drawings entitled "*Oak Hammock Disposal, A Solid Waste Facility*", dated May 2002;
- construction drawings entitled "*Oak Hammock Disposal Facility, Holopaw, Florida (J.E.D. Solid Waste Management Facility), Cell 3 Construction Drawings*

and Project Manual containing Technical Specifications, dated May 2006, prepared by GeoSyntec Consultants, Tampa, Florida; and

- Minor modification permit application entitled *"Minor Modification Application for Cell 3 at Oak Hammock Disposal Facility"*, Prepared and submitted by GeoSyntec Consultants on 23 May 2006 and approved by the FDEP Central District on 9 June 2006.

All of the above documents are hereafter collectively referred to as the CQA Documents in this certification report. During construction, minor modifications were made to these documents to include clarifications to the intent of the design and to accommodate existing site conditions or preferred construction techniques. However, no substantial changes were made to the CQA Documents.

3.3 Field CQA Operations

The following activities were performed as part of GeoSyntec's on-site CQA services:

Earthwork:

- collecting samples of soils used as general fill to construct the subgrade and liner subbase in Cell 3 for testing at an off-site geotechnical laboratory;
- collecting samples of soils used in protective soil layer for testing at the off-site geotechnical laboratory;
- reviewing and evaluating geotechnical laboratory test results to ensure compliance with the requirements of the CQA Documents;
- monitoring placement, grading, and compaction of earthwork related construction activities;
- testing in-situ density, moisture content, and percent compaction of earthwork related construction activities to ensure compliance with the requirements of the CQA Documents;
- notifying Contractor of areas that need additional compaction based on failing in-situ tests and re-testing these areas to ensure compliance with the requirements of the CQA Documents; and
- monitoring anchorage of the geosynthetics in the perimeter anchor trenches.

Geosynthetics:

- monitoring delivery, storage, and tracking the inventory of geosynthetic materials delivered for the project;
- coordinating the collection of geosynthetic conformance samples from in-plant sources or delivered rolls and forwarding samples to an off-site geosynthetics testing laboratory;
- collecting and reviewing geosynthetic manufacturers' quality control (MQC) certification documents and geosynthetic laboratory conformance test results to verify compliance with the requirements of the CQA Documents;
- monitoring installation of geosynthetic materials in Cell 3 including trial seams, production seaming, nondestructive testing, and repair operations; and
- performing destructive testing of geomembrane seams at the minimum frequency required by the CQA Documents.

Leachate Collection System:

- reviewing quality control (QC) documents of materials used in the leachate collection system, geotechnical laboratory conformance test results on samples of aggregate, and geosynthetic laboratory conformance test results on samples of geotextile filter/separator fabric to verify compliance with the requirements of the CQA Documents; and
- monitoring construction of leachate collection system in Cell 3.

Miscellaneous Activities:

- monitoring placement, grading, and compaction of limerock base course along the perimeter maintenance road located on the east side of Cell 3.

During construction activities involving monitoring and/or testing, the observations made and results obtained by GeoSyntec CQA personnel were compared with the requirements of the CQA Documents. The construction manager and the appropriate contractor were notified of deficiencies in construction practices and/or materials to ensure appropriate corrective actions are taken. The corrective actions were monitored and/or tested by CQA personnel to ensure compliance with the requirements of the CQA Documents.

3.4 Certification Report and Record Drawings

Record drawings for Cell 3 liner subbase including top of low permeability layer in sump, primary geomembrane, and secondary geomembrane and this CQA certification report were prepared as the final task of the CQA program for construction of Cell 3. The record drawings are included in Appendix C of this report. This certification report summarizes the CQA monitoring, testing, and documentation activities performed by GeoSyntec.

During construction of Cell 3, CQA monitoring and testing activities were documented by CQA personnel in Daily Field Reports (DFRs) and various other forms. In addition, QC certificates for the geosynthetics and other materials and surveyor's data were provided to GeoSyntec for review. These and other documents are maintained by GeoSyntec and will be made available for FDEP review upon request. Results of CQA monitoring and testing activities that are critical with respect to the satisfactory performance of Cell 3 at the OHDF and protection of the surrounding environment have been summarized in a tabular form and are included in this certification report.

3.5 Project Personnel

Major personnel or representatives of the firms involved in the project are as follows:

Owner: Waste Services, Inc.

- Shawn McCash, Sr. Vice President of Operations and Engineering
- Matt Orr, District Manager
- Mike Rowley, Operations Manger

CQA Consultant: GeoSyntec Consultants - Tampa, Florida

- Ayushman Gupta, P.E., Engineer of Record
- Kirk Wills, CQA / Project Manager
- Rick Hastie, Site CQA Manager
- Jay Eun, CQA Engineer

General Contractor: Comanco Environmental Corp., Plant City, Florida

- Randy Adkins, Vice President

- Dave Petty, Regional Manager
- Mike Daniels, Project Manager
- Jack Watkins, Superintendent

Earthwork Subcontractor: G-4, Okeechobee, Florida

- Ray Parker, Project Manager
- Brad Raulerson, Foreman

Geosynthetics Installer: Comanco Environmental Corp., Plant City, Florida

- Jorge Barrantes, Site Superintendent

Surveyor: Hartman & Associates, Inc., Orlando, Florida

- Lawrence E. Jenkins, Professional Surveyor

Geotechnical Laboratories: Excel Geotechnical Testing, Roswell, Georgia

- Nader Rad, Ph.D., P.E., Project Manager

SGI Testing Services, LLC, Norcross, Georgia

- Zehong Yuan, Ph.D, P.E., Chief Technical Officer

Geosynthetics Laboratory: TRI/Environmental, Austin, Texas

- Sam Allen, Project Manager

4. CONSTRUCTION QUALITY ASSURANCE - EARTHWORK

4.1 General

GeoSyntec monitored earthwork related to construction of Cell 3 at the OHDF. Earthwork activities in Cell 3 included construction of subgrade, 6-inch thick liner subbase, intercell berm (between Cell 3 and future Cell 6 on the south side), installation of protective soil layer, and anchorage of the geosynthetic components of the double-composite liner system.

Earthwork related to construction of Cell 3 is discussed in this section. Earthwork related to the construction of the landfill perimeter berm (on east side of Cell 3) and the low-permeability soil layer in the Cell 3 sump area were discussed in the Cell 1A Certification Report. It is noted that the low permeability soil layer in the sump area was initially over-built to shed water. This layer was graded to the required shape (in accordance with the Construction Drawings) during Cell 3 construction.

The materials used to construct Cell 3 included general fill and protective soil. General fill was used to construct the subgrade of Cell 3, intercell berms, 6-inch thick liner subbase, and anchorage of the geosynthetics. Protective soil was used for a minimum 2-ft thick protective soil layer over the geosynthetic liner system in Cell 3.

CQA personnel observed the earthwork related construction activities and tested the soils to confirm that the material properties conformed to the CQA Documents, maximum lift thicknesses were not exceeded, and compaction requirements were met. During construction, geotechnical soil tests were performed at the off-site geotechnical laboratory. The off-site geotechnical laboratory utilized was Excel Geotechnical Testing (EGT), Roswell, Georgia.

4.2 Soil Source and Requirements

The general fill and protective layer soils were obtained from the Bronsons property (Bronsons Borrow Pit) located to the west of the current landfill. Representative samples of general fill and protective layer soils were obtained and tested to verify conformance with specified material requirements in the CQA Documents. The geotechnical tests were performed to confirm that the following requirements were met for the general fill and protective layer soils:

- *General Fill:* classified as SW, SP, SP-SM, or SM in accordance with the Unified Soil Classification System (USCS) per ASTM D 2487 and was relatively free of debris, foreign objects, large rock fragments, organic matter, and other deleterious materials. In addition, general fill used as liner subbase in Cell 3 was free of sharp materials or materials larger than 0.5 inches.

- *Protective Layer Soils:* classified as SW or SP in accordance with the USCS; had maximum particle size of 0.75 inches; had fines content of less than 5 percent per ASTM D 1140; and were relatively homogeneous soils free of deleterious materials. Regardless of the classification, protective layer soil was required to exhibit a hydraulic conductivity no less than 1.0×10^{-3} cm/sec when tested in accordance with ASTM D 2434. It is noted that soils with higher fines content (SP-SM or SM) were accepted provided that they met the specified hydraulic conductivity requirements.

A description of the geotechnical tests performed on placed materials and results of these tests are presented below.

4.3 CQA Monitoring and Testing

GeoSyntec's CQA personnel monitored the placement and/or compaction of soils as described in Section 3. At times, several earthwork construction operations were conducted simultaneously. When this occurred, the on-site personnel monitored the operations considered most critical to the performance of the landfill liner system. Potentially nonconforming or questionable practices observed by CQA personnel were brought to the attention of the concerned parties for review and correction.

As part of CQA activities, geotechnical testing was performed on the soils used in construction of Cell 3 of the OHDF. Testing was performed at the off-site geotechnical laboratory (EGT).

The following geotechnical tests were performed:

- in-situ nuclear moisture/density tests on compacted lifts of general fill (the tests were performed in accordance with ASTM D 2922 for density and ASTM D 3017 for moisture content);
- in-situ density tests using the drive cylinder method (ASTM D 2937) to compare to the density tests results obtained using the nuclear gauge;
- moisture content tests on general fill in accordance with ASTM D 2216;
- standard Proctor compaction tests on general fill in accordance with ASTM D 698;
- grain-size analysis or fines content determination in accordance with ASTM D 422, ASTM C 136, or ASTM D 1140;

- hydraulic conductivity tests on the protective layer soils in accordance with ASTM D 2434; and

- interface friction tests for the interfaces between general fill and GCL and between protective layer soil and primary geocomposite, as discussed in Section 5.

GeoSyntec supplied a Troxler Model #3430 nuclear gauge (Serial #22295) that was used to perform the moisture/density tests. The gauge was calibrated daily prior to use by the "standard count" method. These counts were recorded on a standard count log, which is not included in the certification report but is available for review upon request. The in-situ density tests using the drive cylinder method (ASTM D 2937) were performed periodically and compared with the density test results obtained using the nuclear gauge to ensure that the gauge was functioning properly.

4.4 General Fill

CQA personnel monitored the excavation (from the Bronsons Borrow Pit), placement, and compaction of general fill, which was used to construct the Cell 3 base, intercell berms, 6-inch thick liner subbase, and anchorage of geosynthetics. Earthwork in Cell 3 using general fill consisted of following activities:

- monitoring existing subgrade by CQA personnel to confirm that unsuitable materials were removed;

- proof rolling of subgrade by the contractor to detect soft or loose zones using articulated off-road dump trucks;

- excavating and hauling general fill from, Bronsons Borrow Pit, using tracked excavators and articulated off-road dump trucks, respectively;

- placing and spreading general fill in relatively thin lifts using bulldozers;

- compacting general fill using smooth drum rollers;

- scarifying surface of each compacted lift using tracks of a bulldozer prior to placement and compaction of subsequent lifts; and

- surveying the limits and elevations of the compacted general fill (Record Drawing for the top of the liner subbase layer is included in Appendix C).

General fill was required to be compacted to at least 95 percent of the corresponding standard Proctor (ASTM D 698) maximum dry unit weight. The tests performed on compacted general fill materials are discussed below.

4.4.1 Standard Proctor Tests

Standard Proctor tests were performed to evaluate the percent compaction from the measured in-situ densities of compacted general fill. Standard Proctor tests were required to be performed at a minimum frequency of 1 test per 25,000 cubic yards (cyd) of compacted general fill.

Thirteen (13) Standard Proctor tests were performed during construction for approximately 122,000 cyd of compacted general fill placed in Cell 3. It is noted that approximately 40,000 cyd of general fill was placed within the Cell 3 footprint during the construction of Cell 2. As such, some of the geotechnical tests listed in this certification report were actually performed during construction of Cell 2. The actual CQA test frequency of 1 test per 9,400 cyd (approx.) of compacted general fill exceeded the minimum testing frequency required by the CQA Documents. The standard Proctor tests performed during construction are summarized in Table 4-1 and are presented in Figure 4-1. As noted, the maximum dry unit weight varied from 99 to 106 pounds per cubic foot (pcf) and the optimum moisture content varied from 9 to 17 percent.

4.4.2 Density and Percent Compaction

In-situ nuclear moisture/density tests were required to be performed at a frequency of 5 tests per acre per lift for earthwork performed using general fill. If the density test failed to meet the minimum compaction requirements, the contractor reworked and recompacted the area surrounding the failure and the area was retested by CQA personnel. The procedure was repeated until satisfactory moisture/density test results were obtained at each test location.

Approximately 122,000 cyd of general fill was used to construct Cell 3 (base, intercell berms, and 6-inch liner subbase). The in-situ nuclear moisture/density tests performed to evaluate the compaction of general fill in Cell 3 are presented in Appendix A. A total of 711 nuclear moisture/density tests were performed, which correspond to a CQA test frequency of 1 test per 172 cyd (approx.) of compacted general fill. As noted, areas corresponding to the failing test (i.e. 67 tests) were reworked and recompacted by the contractor and retested by the CQA personnel.

4.4.3 Grain Size Analyses and USCS Classification

Grain-size distribution analyses (ASTM D 422) were performed to evaluate the USCS classification (ASTM D 2487) of general fill materials used to construct Cell 3.

Grain size distribution analyses and USCS classification were required to be performed at a minimum frequency of 1 test per 10,000 cyd of compacted general fill.

Thirteen (13) grain-size distribution analyses and USCS classification were performed for approximately 122,000 cyd of compacted general fill used to construct Cell 3. The actual CQA test frequency of 1 test per 9,400 cyd (approx.) of compacted general fill met the minimum testing frequency required by the CQA Documents. The grain-size distribution analyses and USCS classification performed during construction are summarized in Table 4-2. As noted, the general fill materials used to construct Cell 3 classified as SP, SP-SM and SM in accordance with the USCS classification.

4.4.4 Drive Cylinder Tests

In-situ moisture/densities were measured using the drive cylinder method (ASTM D 2937) periodically to verify the moisture/density tests results obtained using the nuclear gauge. A total of 28 moisture/densities were measured using the drive cylinder method for the general fill used to construct Cell 3 and are summarized in Table 4-3. A drive cylinder was collected for approximately every 25 nuclear density tests, performed, which meets the minimum testing frequency required by the CQA Documents. As noted, the densities measured using the two methods were in general agreement.

4.4.5 Anchorage of Geosynthetics

GeoSyntec CQA personnel periodically monitored the method of anchorage for the geosynthetic materials along the perimeter berm (on east side of Cell 3) and the intercell berms between Cell 3 and future Cell 6 (on south side). Along the west and north sides of Cell 3, each layer of geosynthetics was tied into the respective layer of geosynthetics from Cell 4 and Cell 2, respectively. The construction sequence for the anchor trenches was as follows:

- a 2-ft deep by 2-ft wide (minimum) trench was excavated approximately 2 feet from the inside crest of perimeter berm and 6 feet from the inside crest of the Cell 3/Cell 6 intercell berm;
- the geosynthetic components were then placed in and depending upon the material, across the bottom of the anchor trench and ballasted with sandbags; and
- the anchor trench was backfilled with general fill and compacted.

4.5 Protective Soil Layer

Protective soil was used to cover the geosynthetic components of the liner system in Cell 3. The minimum thickness of the protective soil layer atop the geosynthetic components of the liner system in Cell 3 was 2 feet.

Sandy soils from the Bronsons Borrow Pit were used as protective soil. CQA personnel monitored the placement of the protective soil in Cell 3. The construction sequence of protective soil layer was as follows:

- articulated dump trucks hauled the sandy soils from Bronsons Borrow Pit to Cell 3; and
- the sandy soils were placed and spread using low ground pressure bulldozers.

During placement of the protective soil, CQA personnel monitored the contractor's activities to assure that the risk of damage to the underlying geosynthetics was minimized. CQA personnel also confirmed that at least a 2-ft thick layer of sandy soils was maintained over the geosynthetics where the contractor operated the equipment. A minimum 3-ft thick layer of sandy soils was maintained where the articulated off-road dump trucks operated. Geosyntec also reviewed the certified survey for the protective cover soil layer, submitted by the Contractor, to ensure compliance with the project documents.

Grain-size distribution analyses (ASTM D 422), soil classification in accordance with USCS (ASTM D 2487), and hydraulic conductivity (ASTM D 2434) tests were performed on samples of protective soil at the off-site geotechnical laboratory EGT. Grain-size distribution analyses (ASTM D 422) and soil classification tests (ASTM D 2487) were to be performed at a minimum frequency of 1 test per 2,000 cyd of in-place protective soil. Hydraulic conductivity tests were to be performed at a minimum frequency of 1 test per 3,000 cyd of in-place protective soil.

A total of 36,000 cyd (approx.) of protective soil was placed in Cell 3. Nineteen (19) grain-size distribution analyses (and USCS classification) and twelve (12) hydraulic conductivity tests were performed on the protective layer soils placed in Cell 3. The laboratory test results are presented in Table 4-4. The actual CQA test frequencies of 1 test per 2,000 cyd (approx.) for grain-size distribution analyses (and USCS classification) and 1 test per 3,000 cyd (approx.) for hydraulic conductivity, met the minimum testing frequencies required by the CQA Documents. As noted, the measured hydraulic conductivities of protective soil exceeded the minimum hydraulic conductivity of 1.0×10^{-3} cm/sec required by the CQA Documents. It is noted that soils with fines content greater than 5 percent were accepted since the measured hydraulic conductivities exceeded the project requirements.

Table 4-1

STANDARD PROCTOR TEST RESULTS FOR GENERAL FILL USED TO CONSTRUCT CELL 3

SAMPLE ID	SOIL DESCRIPTION	OPTIMUM MOISTURE CONTENT (%)	MAXIMUM DRY DENSITY (pcf)
GF-2-1 [1]	Light brown fine sand (SP)	12	99
GF-2-3 [1]	Brown fine sand with silt (SP-SM)	13	101
GF-2-5 [1]	Light brown sand with silt (SP-SM)	14	105
GF-2-6 [1]	Light brown silty fine sand (SM)	14	104
GF-2-7 [1]	Light brown sand with silt (SP-SM)	13	104
GF-3-1 [2]	Medium brown fine sand w/ organics (SP-SM)	9	104
GF-3-2 [2]	Light Brown fine sand w/ hard pan (SM)	13	106
GF-3-3 [2]	Light greyish fine sand w/ organics (SM)	15	104
GF-3-4 [2]	Dark brwn fine sand w/ hard pan (SM)	15	104
GF-3-5 [2]	Medium brown fine sand w/ hard pan (SM)	15	104
GF-3-6 [2]	Dark brown and blackish fine sand (SM)	17	102
GF-3-7 [2]	Medium brown fine sand (SM)	14	105
GF-3-8 [2]	Dark brown fine sand w/ hard pan (SM)	14	105

Notes:

[1] Samples were tested by Geotechnical Environmental Consultants, Inc. (GEC) during Cell 2 construction

[2] Samples were tested by Excel Geotechnical Testing, Inc. (EGT) during Cell 3 construction

Table 4-2

GRAIN SIZE DISTRIBUTION ANALYSES AND USCS CLASSIFICATION RESULTS FOR GENERAL FILL USED TO CONSTRUCT CELL 3

	PARTICLE SIZE ANALYSIS	SOIL CLASSIFICATION
TEST STANDARD	ASTM D 422	ASTM D 2847
TESTING FREQUENCY	1 test per 10,000 yd^3	1 test per 10,000 yd^3

TEST RESULTS

Sample No. [1]	Percent Passing by Weight Through U.S. Standard Sieve					Classification [2]	Pass/Fail (P/F)
	No. 10	No. 40	No. 60	No. 100	No. 200		
GF-2-1	100.0	97.1	82.0	30.7	3.7	SP	P
GF-2-3	100.0	98.4	87.5	38.9	5.3	SP-SM	P
GF-2-5	100.0	97.8	86.9	45.0	8.5	SM	P
GF-2-6	100.0	97.7	88.7	63.9	19.4	SM	P
GF-2-7	100.0	93.6	67.5	16.9	5.4	SP-SM	P
GF-3-1	99.8	95.2	67.8	19.6	8.6	SP-SM	P
GF-3-2	100.0	96.9	83.0	42.6	13.5	SM	P
GF-3-3	100.0	98.0	83.6	31.6	7.9	SP-SM	P
GF-3-4	100.0	98.2	85.1	34.1	12.2	SM	P
GF-3-5	100.0	98.4	85.2	32.5	8.3	SP-SM	P
GF-3-6	100.0	98.1	84.0	30.0	7.2	SP-SM	P
GF-3-7	100.0	95.5	65.3	15.7	10.5	SP-SM	P
GF-3-8	100.0	91.8	53.5	14.4	8.5	SP-SM	P

Notes:

[1] All samples were tested by Excel Geotechnical Testing, Inc. (EGT).

[2] General fill material was required to classify as SW, SP, SP-SM, or SM.

Table 4-3

COMPARISON BETWEEN DRIVE CYLINDER AND NUCLEAR GAUGE TEST RESULTS FOR GENERAL FILL USED TO CONSTRUCT CELL 3

DRIVE CYLINDER			NUCLEAR GAUGE			DIFFERENCE (Drive Cylinder - Nuclear Gauge)	
Test No.	Dry Unit Weight (pcf) ASTM D 2937	Moisture Content (%) ASTM D 2216	Test No.	Dry Unit Weight (pcf) ASTM D 2922	Moisture Content (%) ASTM D 3017	Dry Unit Weight (pcf)	Moisture Content (%)
DR-1	104.6	10.5	GF-25	105.9	10.1	-1.3	0.4
DR-2	100.5	9.0	GF-50	100.2	8.8	0.3	0.2
DR-3	100.4	12.7	GF-75	101.8	12.8	-1.4	-0.1
DR-4	102.4	11.7	GF-100	101.1	12.9	1.3	-1.2
DR-5	102.3	9.2	GF-126	104.0	9.2	-1.7	0.0
DR-6	100.9	8.6	GF-150	100.8	9.5	0.1	-0.9
DR-7	102.2	7.5	GF-175	101.3	8.5	0.9	-1.0
DR-8	102.1	5.4	GF-200	101.0	6.1	1.1	-0.7
DR-9	102.6	4.7	GF-225	102.4	4.7	0.2	0.0
DR-10	101.3	9.6	GF-250	101.0	10.0	0.3	-0.4
DR-11	100.2	7.5	GF-275	101.8	6.9	-1.6	0.6
DR-12	101.5	8.5	GF-300	101.9	8.2	-0.4	0.3
DR-13	101.5	8.2	GF-325	100.5	8.3	1.0	-0.1
DR-14	99.7	7.8	GF-350	99.3	8.3	0.4	-0.5
DR-15	102.0	6.6	GF-375	101.4	7.3	0.6	-0.7
DR-16	97.1	9.7	GF-400	96.2	10.2	0.9	-0.5
DR-17	98.8	10.3	GF-425	99.0	10.9	-0.2	-0.6
DR-18	100.9	9.2	GF-450	99.6	9.7	1.3	-0.5
DR-19	102.6	7.6	GF-475	103.7	5.7	-1.1	1.9
DR-20	102.6	5.7	GF-500	103.1	5.1	-0.5	0.6
DR-21	102.7	6.1	GF-525	103.6	6.3	-0.9	-0.2
DR-22	98.0	8.2	GF-550	98.4	7.7	-0.4	0.5
DR-23	103.9	10.2	GF-575	104.2	10.9	-0.3	-0.7
DR-24	105.3	8.4	GF-600	105.9	8.0	-0.6	0.4
DR-25	101.4	6.5	GF-625	100.7	7.2	0.7	-0.7
DR-26	105.5	6.7	GF-650	105.8	7.0	-0.3	-0.3
DR-27	106.1	6.2	GF-675	105.9	6.5	0.2	-0.3
DR-28	100.7	7.5	GF-700	100.7	7.8	0.0	-0.3

Table 4-4

LABORATORY TEST RESULTS FOR PROTECTIVE SOILS USED TO CONSTRUCT CELL 3

	PARTICLE SIZE ANALYSIS	SOIL CLASSIFICATION	HYDRAULIC CONDUCTIVITY
TEST STANDARD	ASTM D 422	ASTM D 2487	ASTM D 2434
TESTING FREQUENCY	1 test per 2,000 yd^3	1 test per 2,000 yd^3	1 test per 3,000 yd^3

TEST RESULTS				
Sample ID	Percent Passing No. 200 Sieve (%)	Soil Classification [1]	Hydraulic Conductivity [2] (cm/sec)	Pass/Fail [3] (P/F)
TP-3-1A	9.9	SP-SM	6.40E-03	P
TP-3-1B	6.9	SP-SM	-	P
TP-3-2	9.7	SP-SM	8.00E-03	P
TP-3-3A	8.2	SP-SM	-	P
TP-3-3B	5.9	SP-SM	6.60E-03	P
TP-3-4A	8.7	SP-SM	6.80E-03	P
TP-3-4B	6.3	SP-SM	7.60E-03	P
TP-3-5A	9.2	SP-SM	4.70E-03	P
TP-3-5B	7.1	SP-SM	9.80E-03	P
TP-3-6A	7.6	SP-SM	-	P
TP-3-6B	4.9	SP	-	P
PC-03-07	8.1	SP-SM	-	P
PC-03-08	12.8	SM	6.40E-03	P
PC-03-09	11.2	SP-SM	6.70E-03	P
PC-03-10	15.1	SM	7.00E-03	P
PC-03-11	8.8	SP-SM	1.10E-02	P
PC-03-12	8.7	SP-SM	1.20E-02	P
PC-03-13	13.3	SM	-	P
PC-03-14	7.3	SP-SM	-	P

Notes:

[1] Protective layer soils were required to classify as SW or SP.

[2] Required hydraulic conductivity was no less than 1.0×10^{-3} cm/sec.

[3] Soil with higher fines content were accepted provided they met the specified hydraulic conductivity requirements.

[4] All samples were collected from protective soils placed in Cell 3.

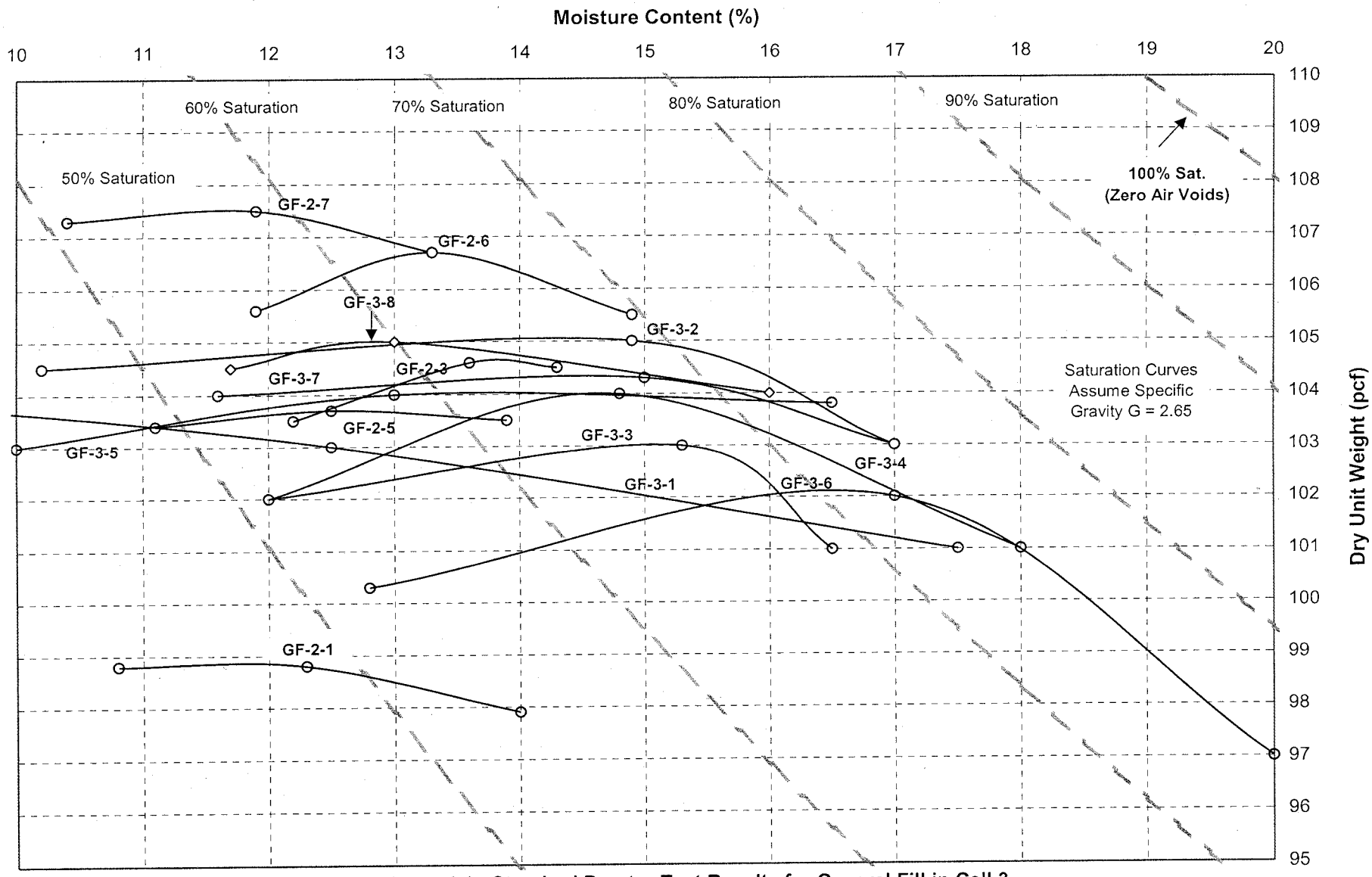


Figure 4-1: Standard Proctor Test Results for General Fill in Cell 3

5. CONSTRUCTION QUALITY ASSURANCE - GEOSYNTHETICS

5.1 General

GeoSyntec monitored the installation of the geosynthetic components of the double composite liner system in Cell 3, as described in Section 2. At times, several liner system installation operations were conducted simultaneously during Cell 3 construction. When this occurred, the on-site CQA personnel monitored the operations that were considered most critical to the performance of the liner system.

5.2 CQA of Geosynthetic Clay Liner

5.2.1 Conformance Testing and Documentation

A geosynthetic clay liner (GCL) was used in construction of the liner system in Cell 3. Bentomat ST GCL used was manufactured by CETCO Lining Technologies (CETCO), Arlington Heights, Illinois. The GCL conformance samples were collected, from the rolls produced for the project, by TRI/Environmental (TRI) (an independent contractor authorized to collect samples for CQA testing). TRI coordinated with the manufacturer to collect the CQA samples at CETCO's manufacturing plant in Fairmount, Georgia. TRI also performed the CQA conformance testing in accordance with the CQA Documents on the samples of GCL collected.

The MQC certificates and test results and the CQA conformance test results were reviewed by CQA personnel and were found to be in compliance with the CQA Documents. The results of the MQC and CQA conformance tests are summarized in Table 5-1. Table 5-1 also indicates the tests that were conducted, the required test frequencies, and the acceptance criteria in accordance with the CQA Documents.

It is noted that Table 5-1 is organized with respect to the GCL lot numbers and indicates the roll numbers in each lot of GCL that were sampled and tested as part of the MQC and CQA conformance testing. Each sheet of Table 5-1 also presents the total number of rolls (and square footage) of the GCL received from the respective lot number and also the cumulative number of rolls (and square footage) of the GCL received for the project (to evaluate the MQC and CQA test frequencies for each lot and for the project).

A total of six (6) CQA conformance samples were tested for approximately 983,250 square feet (ft^2) of GCL delivered to the site for installation in Cell 3. The actual CQA test frequency of 1 test per 163,875 ft^2 of GCL exceeded the minimum testing frequency of 1 test per 200,000 ft^2 required by the CQA Documents. As a minimum, one conformance sample was tested during CQA from each lot of GCL supplied for the project.

The hydraulic conductivity of GCL was tested using deionized water as the permeant fluid during MQC and CQA testing. Comparison studies using deionized water and leachate from the OHDF were performed previously for Cells 1 and 4. It was determined that the measured hydraulic conductivity of GCL using leachate as the permeant fluid was less than the measured hydraulic conductivity of GCL using deionized water as the permeant fluid, i.e., it is conservative to measure the hydraulic conductivity of GCL using deionized water.

5.2.2 Field Monitoring Activities

5.2.2.1 Delivery and On-Site Storage

Upon delivery, GCL rolls were unloaded in an area located south of the Cell 3 construction area (i.e., in future Cell 6 footprint), stacked on a 1.5-ft high berm, and covered with a plastic tarps. The rolls were typically transported on site by an off-road forklift equipped with a stinger bar. CQA personnel periodically monitored the installer's delivery, unloading, and storage procedures and observed that the GCL was handled in an appropriate manner. The CQA personnel also compared the roll numbers of the GCL rolls delivered to the manufacturer's bill of lading. An inventory of the rolls delivered for the project was maintained by the CQA personnel and is available upon request. This inventory also includes the rolls that were approved for installation based on MQC and CQA test results and the rolls that were used during construction. Only approved rolls were incorporated into the work.

5.2.2.2 Deployment

Prior to GCL deployment, the installer signed certificates of acceptance for the liner subbase, which are not included in the report but are available upon request. The GCL rolls were lifted using a stinger bar attached to an off-road forklift. The rolls were deployed by inserting a spreader bar attached to low-ground pressure, track-mounted vehicle and unrolled. Panels were re-positioned as necessary using laborers.

CQA personnel monitored the deployment of the GCL rolls. During deployment, the CQA personnel checked for the following:

- manufacturing defects;
- damage that may have occurred during shipment, storage, and handling; and
- damage resulting from installation activities.

If any materials were observed to be damaged, the installer was notified and the damaged materials were either discarded or repaired. CQA personnel observed repair locations to verify conformance with the requirements of the CQA Documents.

CQA personnel also periodically monitored the deployment of the GCL as well as its condition after installation to ensure that the installer followed the following procedures:

- the GCL was unrolled and placed in a manner which kept the GCL in sufficient tension to avoid excessive wrinkling and was securely anchored in the anchor trench or ballasted with sand bags;
- the rolls were deployed with the woven geotextile in contact with the geomembrane;
- adjacent GCL panels were overlapped a minimum of 6 inches along the length of the panels and 12 inches along the width of the panels; and
- granular bentonite was added between overlap along the width of panels and repaired areas;
- measures were taken to keep the GCL free of contamination and protected from premature hydration; and
- geomembrane installation immediately followed installation of the GCL.

Any observed holes or tears in the GCL were repaired by the installer by placing a patch of the same material over the hole or tear and at a distance of at least 1 ft beyond the edges of the hole or tear. Granular bentonite was added around the damaged area prior to overlaying the patch material. In areas where premature hydration of the GCL was detected, the GCL was removed and replaced with new material.

5.3 CQA of Textured Geomembrane

5.3.1 Conformance Testing and Documentation

A 60-mil textured geomembrane was installed as primary and secondary liners in Cell 3. The 60-mil textured geomembrane, Microspike™ HDPE, was supplied by Agru America, Georgetown, South Carolina. Conformance samples of textured geomembrane were collected (from the rolls produced for the project) by TRI, which coordinated with the manufacturer to collect the CQA samples at Agru America's manufacturing plant. TRI also performed the CQA conformance testing in accordance with the CQA Documents on the samples of textured geomembrane collected.

The MQC certificates and test results and the CQA conformance test results were reviewed by CQA personnel and were found to be in compliance with the CQA Documents. The results of the MQC and CQA conformance tests are summarized in Tables 5-2A, 5-2B, and 5-2C. Table 5-2A presents the CQA and MQC test results for the textured geomembrane. Table 5-2B presents the MQC test results for the resin used in

the manufacture of the geomembrane lots and welding rods used for the project. Table 5-2C presents MQC geomembrane properties for low temperature brittleness, dimensional stability, and notched constant tensile load. Tables 5-2A, 5-2B, and 5-2C indicate the tests that were conducted, the required test frequencies, and the acceptance criteria in accordance with the CQA Documents.

It is noted that Table 5-2A is organized with respect to the resin lot numbers and indicates the roll numbers from each resin lot that were sampled and tested as part of the MQC and CQA conformance testing. Each sheet of Table 5-2A also presents the total number of rolls (and square footage) of the textured geomembrane received from the respective resin lot number and the cumulative number of rolls (and square footage) of the textured geomembrane received for the project (to evaluate the MQC and CQA test frequencies for each lot and for the project).

A total of eleven (11) CQA conformance samples were tested for approximately 1,009,010 ft^2 of textured geomembrane delivered to the site for installation in Cell 3. The actual CQA test frequency of 1 test per 91,728 ft^2 for the textured geomembrane exceeded the minimum frequency of 1 test per 100,000 ft^2 required by the CQA Documents. As a minimum, one conformance sample was tested during CQA from each resin lot supplied for the project.

5.3.2 Field Monitoring Activities

5.3.2.1 Delivery and On-Site Storage

Upon delivery to the site, geomembrane rolls were stored in an area located south of the Cell 3 construction area (i.e., future Cell 6 footprint) and stacked on an elevated platform. The rolls were typically transported by an off-road forklift with a spreader bar attachment or using the nylon slings which were attached to each roll. CQA personnel periodically monitored the installer's delivery, unloading, and storage procedures to ensure that the material was handled in an appropriate manner. The CQA personnel also compared the roll numbers of the geomembrane rolls delivered to the manufacturer's bill of lading. An inventory of the rolls delivered for the project was maintained by the CQA personnel and is available upon request. This inventory also includes the rolls that were approved for installation based on MQC and CQA test results and the rolls that were used during construction. Only approved rolls were incorporated into the work.

5.3.2.2 Deployment

The geomembrane rolls were lifted using a spreader bar attached to an off-road forklift. The panels were positioned using laborers assisted by a track-mounted, low-ground pressure, all-terrain vehicle (ATV).

CQA personnel monitored the deployment of each geomembrane panel. During deployment, the CQA personnel checked for the following:

- manufacturing defects;
- damage that may have occurred during shipment, storage, and handling; and
- damage resulting from installation activities, including damage as a consequence of panel placement, seaming operations, or weather.

If any materials were observed to be damaged or deficient, the installer was notified and the damaged materials were either discarded or repaired. CQA personnel observed and documented the repair locations to verify compliance with the CQA Documents. Details of the geomembrane panel placement were recorded by CQA personnel on panel placement logs, which are included in Appendix B of this report.

5.3.2.3 Trial Seams

Prior to production seaming, the installer prepared geomembrane trial seams for each piece of seaming equipment to be used. Additional trial seams were prepared approximately every five hours or when field conditions changed. CQA personnel evaluated the trial seams as follows:

- trial seams were welded under similar conditions as production seaming;
- test strips were cut from the trial seams at random locations with a die press;
- four (4) test strips were tested using a field tensiometer and compared to the passing criteria for the tests, which were as follows:

Fusion

- *Peel tests* - a minimum bonded seam strength of 78 lb/in (inside/outside); and
- *Shear test* - a minimum bonded seam strength of 120 lb/in.

Extrusion

- *Peel test* - a minimum bonded seam strength of 70 lb/in; and
- *Shear test* - a minimum bonded seam strength of 108 lb/in.

If trial welds failed, the machine or welding process was adjusted and a new trial seam was prepared. The new sample was tested to ensure compliance with the above

strength requirements. The procedure was repeated, as needed, until passing results were obtained.

Trial seam samples were not archived. Details of the trial seams, including the trial seam test results, are included in Appendix B of this report.

5.3.2.4 Production Seams

Geomembrane production seaming operations were monitored by CQA personnel. The majority of the geomembrane production seams were fabricated using double-track fusion welders. Seam repairs were made using hand-held extrusion welders. Rub sheets were periodically used during production seaming to provide a clean surface to weld over. During or after fabrication, the geomembrane seams were visually examined for workmanship and continuity. Geomembrane seaming logs are included in Appendix B of this report.

5.3.3 Nondestructive Seam Testing

5.3.3.1 Scope

Nondestructive testing of geomembrane seams was periodically monitored by CQA personnel. All geomembrane seams were nondestructively tested for continuity by the installer using the air pressure procedure for double-track fusion seams and the vacuum-box test procedure for extrusion welded seams. Failed air pressure seams, if applicable, were capped and then retested using vacuum-box test methods after determining the failed seam length. Leaks identified using the vacuum-box method were repaired and retested as described in Section 5.3.5.

5.3.3.2 Air Pressure Testing

Accessible double-track fusion seams were nondestructively tested using the air pressure test. The procedure used by the installer for air pressure testing was as follows:

- visually observe the integrity of the annulus of the section of seam being tested and isolating the section by sealing the ends using heat and pressure;
- insert the needle of a pressure test apparatus into the annulus at one end of the seam;
- inflate the annulus to a gauge pressure between 25-30 psi with an air pump and maintain the gauge pressure for at least 5 minutes;
- repair faulty area in accordance with Section 5.3.5 if the pressure loss exceeds 3 psi or if the pressure does not stabilize; and

- confirm airflow through the entire annulus by releasing the air from the seam at the opposite end from where the needle was inserted.

5.3.3.3 Vacuum-Box Testing

The vacuum-box was used by the installer to nondestructively test extrusion seams and repairs. The procedure used by the installer for vacuum testing was as follows:

- wet a strip of seam with a soapy solution;
- place the vacuum-box assembly over the wetted area, close the bleed valve and open the vacuum valve;
- force the box onto the sheet until a vacuum is observed;
- examine the seam through the viewing window for a period of approximately 20 seconds for the occurrence of air bubbles;
- remove the assembly and continue the process over the entire length of the seam; and
- record the location of any leaks.

Nondestructive seam test results for primary and secondary liner in Cell 3 are presented in Appendix B. If nondestructive testing indicated that repairs were necessary, repairs were made in accordance with procedures presented in Section 5.3.5. All repairs were tested using the vacuum-box test procedure.

5.3.4 Destructive Seam Sample Testing

5.3.4.1 Scope

In accordance with the CQA Documents, CQA personnel identified and collected geomembrane seam samples for destructive testing. The samples were tested by the off-site geosynthetics laboratory TRI.

For a destructive seam sample to be considered as passing, the seam strength criteria described in Section 5.3.2.3 had to be met for at least four out of the five test specimens obtained from the sample. In addition, if one non-FTB failure was observed, the average of the five test specimens had to meet the specified strength criterion.

5.3.4.2 Sampling Procedures

Prior to the removal of the full seam sample, two geomembrane test strips were taken by the installer from either end of the proposed destructive sample. Each strip was peel-tested in the field. If the peel samples exhibited passing results, the adjacent destructive seam sample was removed and tested. At each destructive seam sample location, a test sample measuring approximately 12 in. across the seam and 42 in. along the seam was obtained. The sample was divided into three pieces and distributed to: (i) the off-site geosynthetics laboratory for testing, (ii) the installer, and (iii) the owner as an archive sample.

5.3.4.3 Test Results

Off-site laboratory testing of geomembrane seam samples was performed in accordance with the CQA Documents. At the off-site geosynthetics laboratory, five 1-in wide test specimens were removed from the destructive seam sample using a die press. On a calibrated tensiometer, five test specimens were peel-tested for adhesion strength. For fusion seams, peel tests were performed on both the bottom (inside track) and top (outside track) edges. Additionally, five specimens were tested for shear strength. The seam acceptance/rejection criteria described in Sections 5.3.2.3 and 5.3.4.1 were used to evaluate the destructive seam samples.

The destructive seam test results for primary and secondary liners installed in Cell 3 are presented in Tables 5-3A and 5-3B, respectively. For the primary liner installed in Cell 3, fifty three (53) destructive seam samples were tested for a total seam length of 24,466 ft (approx.). This corresponds to an approximate sample frequency of 1 per 462 lf of seam. For secondary liner installed in Cell 3, fifty two (52) destructive seam samples were tested for a total seam length of 24,901 ft (approx.). This corresponds to an approximate sample frequency of 1 per 479 lf of seam. The actual destructive seam test frequencies exceeded the minimum frequency of 1 per 500 lf of production seams required by the CQA Documents.

A total of 105 destructive seam samples were tested during the installation of the geomembrane liners. All geomembrane seam samples tested destructively during construction of Cell 3 met the strength criteria noted in Section 5.3.2.3.

5.3.5 Geomembrane Repairs

The repair procedures presented in this subsection were used by the installer to patch holes and tears, spot-extrude impact damage or other minor defects, and for grinding and extrusion welding small sections of failed fusion seams (if the exposed edge was accessible). In the cases where patches or caps were used to repair the damaged

geomembrane (i.e., small holes, tears, or on seams which failed nondestructive or destructive testing), an approximately 12-in. wide capping strip was used.

During the repair or panel tie-in operations, the following procedures were implemented:

- technicians and seaming equipment used were required to pass trial welds;
- patches or caps extended at least 6 in. beyond the edge of the defect and all corners were rounded; and
- repairs were tested using vacuum box and visually observed for continuity.

Repair summary logs prepared by GeoSyntec during CQA activities are included in Appendix B of this report. Record drawings illustrating layout of panels, location of seams, destructive samples, and repairs are included in Appendix C.

5.4 CQA of Primary Geocomposite

5.4.1 Conformance Testing and Documentation

The primary geocomposite used was PermaNet UL manufactured by Gundle/SLT Environmental, Inc (GSE), Houston, Texas. The primary geocomposite conformance samples were collected by TRI, which coordinated with the manufacturer to collect the CQA samples at the GSE's manufacturing plant in Houston, Texas. TRI also performed the CQA conformance testing on the samples of primary geocomposite collected.

The MQC certificates and test results and the CQA conformance test results were reviewed by CQA personnel and were found to be in compliance with the CQA Documents. The results of the MQC and CQA conformance tests for 251 rolls (527,100 ft^2) of primary geocomposite are summarized in Tables 5-4A, 5-4B, and 5-4C. Table 5-4A presents the CQA and MQC test results for the primary geocomposite rolls produced for the project. Table 5-4B presents the MQC test results for the geotextile rolls used to manufacture the primary geocomposite rolls produced for the project. Table 5-4C presents the MQC test results for the geonet rolls used to manufacture the primary geocomposite rolls for the project.

Table 5-4A presents the CQA and MQC test results for the primary geocomposite rolls and CQA test results for the geotextile component of the primary geocomposite. Table 5-4A also indicates the tests conducted, the required test frequencies, and the acceptance criteria in accordance with the CQA Documents. A total of five (5) CQA conformance samples were tested for 527,100 ft^2 of primary geocomposite approved for installation in Cell 3. The actual CQA test frequency of 1 test per 87,900 ft^2 (approx.) of

the primary geocomposite exceeded the minimum frequency of 1 test per 200,000 ft^2 required by the CQA Documents. As noted in Table 5-4A, a minimum of one conformance sample was tested during CQA from each geocomposite lot.

It is noted that during CQA and MQC testing, the transmissivity of the primary geocomposite was measured under compressive stresses of 500 psf and 10,000 psf for 100 hours. The tests were performed with the primary geocomposite sandwiched between 60-mil textured geomembrane and the soil actually used as part of the protective soil layer. The transmissivity of the primary geocomposite reported in Table 5-4A is the minimum transmissivity measured during the 100-hour test.

Table 5-4B presents the MQC test results for the geotextile component of the primary geocomposite rolls approved for the project. Several rolls of primary geocomposite were manufactured from the same roll of geotextile. Approximately 1,054,200 ft^2 of geotextile was used to manufacture the primary geocomposite rolls for the project. As part of the MQC testing, twenty six (26) geotextile rolls were tested for mass per unit area, grab strength, trapezoidal tear strength, and puncture strength. Apparent opening size, burst strength and permittivity tests were performed on 7 geotextile samples. The approximate MQC test frequency of 1 test per 40,500 ft^2 (or 150,600 ft^2) for the geotextile component of the primary geocomposite meet the minimum frequency of 1 test per 100,000 ft^2 (or 250,000 ft^2) required by the CQA Documents for the respective tests.

Table 5-4C presents the MQC test results for the geonet component of the primary geocomposite rolls approved for the project. Several rolls of primary geocomposite were manufactured from the same roll of geonet. Twenty six (26) geonet rolls were tested for 527,100 ft^2 of geonet used to manufacture the primary geocomposite for the project. The MQC test frequency of 1 test per 20,300 ft^2 (approx.) for the geonet component of the primary geocomposite rolls exceeded the minimum frequency of 1 test per 100,000 ft^2 required by the CQA Documents.

5.4.2 Field Monitoring Activities

5.4.2.1 Delivery and On-Site Storage

Upon delivery to the site, primary geocomposite rolls were stored in an area located south of the Cell 3 construction area (i.e., future Cell 6 footprint) and stacked on an elevated platform. The rolls were typically transported by an off-road forklift. CQA personnel periodically monitored the installer's delivery, unloading, and storage procedures to ensure that the material was handled in an appropriate manner. The CQA personnel also compared the roll numbers of the primary geocomposite rolls delivered to the manufacturer's bill of lading. An inventory of the rolls delivered for the project was maintained by the CQA personnel and is available upon request. This inventory also

includes the rolls that were approved for installation based on MQC and CQA test results and the rolls that were used during construction. Only approved rolls were incorporated into the work.

5.4.2.2 Deployment

CQA personnel monitored the deployment of the primary geocomposite for the following:

- manufacturing defects;
- damage that may have occurred during shipment, storage, and handling; and
- damage resulting from installation activities.

If the materials were observed to be damaged, the installer was notified and the damaged materials were either discarded or repaired. CQA personnel observed repair locations to verify conformance with the CQA Documents.

CQA personnel periodically monitored the deployment of the primary geocomposite, as well as its condition after installation, to confirm that the installer took measures to:

- securely anchor the geocomposite in the anchor trench or ballast it with sand bags;
- unroll the geocomposite down the slope (i.e., rolls were aligned perpendicular to the slope contours) in a manner that kept the panel in sufficient tension to avoid excessive wrinkling;
- avoid entrapment of dust, stones, or other objects that would damage or clog the geocomposite;
- avoid damaging the underlying geomembrane during deployment;
- overlap the bottom geotextile edges;
- secure the geonet component of adjacent geocomposite panels with nylon fasteners, installed on a maximum 5-ft spacing laterally and at 1-ft spacing on end seams; and
- overlap and continuously sew the upper geotextile edges.

Any observed holes in the geotextile component of the primary geocomposite were repaired by placing a patch of non-woven geotextile over the hole that extended at least

one foot beyond the edge of the hole. These patches were continuously thermally bonded to the undamaged portion of the geocomposite. This method was also used along the tie-in at the toe of the slope and along trimmed panels. Any observed holes or tears in the geonet component of the composite were repaired by the installer by placing a patch of the same material over or under the hole or tear, at least 2-ft beyond the edges of the hole or tear. These patches were secured using nylon fasteners, followed by thermal bonding of the uppermost geotextile of the patch to the undamaged portion of the geocomposite.

5.5 CQA of Secondary Geocomposite

5.5.1 Conformance Testing and Documentation

The secondary geocomposite used was FabriNet geocomposite manufactured by GSE. The secondary geocomposite conformance samples were collected (from the rolls produced for the project) by TRI, which coordinated with the manufacturer to collect the CQA samples at the GSE's manufacturing plant in Houston, Texas. TRI also performed the CQA conformance testing on the samples of the secondary geocomposite collected.

The MQC certificates and test results and the CQA conformance test results were reviewed by CQA personnel and were found to be in compliance with the CQA Documents. The results of the MQC and CQA conformance tests results for 198 rolls (545,500 ft^2) are summarized in Tables 5-5A, 5-5B, and 5-5C. Table 5-5A presents the CQA and MQC test results for the secondary geocomposite rolls produced for the project. Table 5-5B presents the MQC test results for the geotextile rolls used to manufacture the secondary geocomposite rolls for the project. Table 5-5C presents the MQC test results for the geonet rolls used to manufacture the secondary geocomposite rolls for the project.

Table 5-5A presents the CQA and MQC test results for the secondary geocomposite rolls and CQA test results for the geotextile component of the secondary geocomposite. It includes the tests conducted, required test frequencies, and acceptance criteria in accordance with the CQA Documents. A total of six (6) CQA conformance samples were tested for approximately 600,000 ft^2 of secondary geocomposite delivered to the site for installation in Cell 3. The actual CQA test frequency of 1 test per 90,900 ft^2 (approx.) of the secondary geocomposite meets the minimum frequency of 1 test per 200,000 ft^2 required by the CQA Documents. As noted in Table 5-5A, a minimum of one conformance sample was tested during CQA from each geocomposite lot.

It is noted that during CQA and MQC testing, the transmissivity of the secondary geocomposite was measured under compressive stresses of 500 psf and 13,500 psf for 100 hours. The tests were performed with the secondary geocomposite sandwiched between a GCL and a 60-mil textured geomembrane. The transmissivity of the secondary geocomposite reported in Table 5-5A is the minimum transmissivity measured during the 100-hour test.

Table 5-5B presents the MQC test results for the geotextile component of the secondary geocomposite rolls approved for the project. Several rolls of secondary geocomposite were manufactured from the same roll of geotextile. Thirty seven (37) geotextile rolls were tested for approximately 1,091,000 ft^2 of geotextile used to manufacture the secondary geocomposite rolls for the project. The MQC test frequency of 1 test per 29,500 ft^2 (approx.) for the geotextile component of the secondary geocomposite exceeded the minimum frequency of 1 test per 100,000 ft^2 required by the CQA Documents.

Table 5-5C presents the MQC test results for the geonet component of the secondary geocomposite rolls approved for the project. Several rolls of secondary geocomposite were manufactured from the same roll of geonet. Thirty (30) geonet rolls were tested for 517,940 ft^2 of geonet used to manufacture the secondary geocomposite rolls delivered for the project. The MQC test frequency of 1 test per 17,300 ft^2 (approx.) for the geonet component of the secondary geocomposite exceeded the minimum frequency of 1 test per 100,000 ft^2 required by the CQA Documents.

5.5.2 Field Monitoring Activities

5.5.2.1 Delivery and On-Site Storage

Upon delivery to the site, secondary geocomposite rolls were stored in an area located south of the Cell 3 construction area (i.e., future Cell 6 footprint) and stacked on an elevated platform. The rolls were typically transported by an off-road forklift. CQA personnel periodically monitored the installer's delivery, unloading, and storage procedures to ensure that the material was handled in an appropriate manner. The CQA personnel also compared the roll numbers of the secondary geocomposite rolls delivered to the manufacturer's bill of lading. An inventory of the rolls delivered for the project was maintained by the CQA personnel and is available upon request. This inventory also includes the rolls that were approved for installation based on MQC and CQA test results and the rolls that were used during construction of Cell 3. Only approved rolls were incorporated into the work.

5.5.2.2 Deployment

CQA personnel monitored the deployment of the secondary geocomposite for the following:

- manufacturing defects;
- damage that may have occurred during shipment, storage, and handling; and
- damage resulting from installation activities.

If the materials were observed to be damaged, the installer was notified and the damaged materials were either discarded or repaired. CQA personnel observed repair locations to verify conformance with the CQA Documents.

CQA personnel periodically monitored the deployment of the secondary geocomposite, as well as its condition after installation, to confirm that the installer took measures to:

- securely anchor the geocomposite in the anchor trench or ballast it with sand bags;
- unroll the geocomposite down the slope (i.e., rolls were aligned perpendicular to the slope contours) in a manner that kept the panel in sufficient tension to avoid excessive wrinkling;
- avoid entrapment of dust, stones, or other objects that would damage or clog the geocomposite;
- avoid damaging the underlying geomembrane during deployment;
- overlap the bottom geotextile edges;
- secure the geonet component of adjacent geocomposite panels with nylon fasteners, installed on a maximum 5-ft spacing laterally and at 1-ft spacing on end seams; and
- overlap and continuously sew the upper geotextile edges.

Any observed holes in the geotextile component of the secondary geocomposite were repaired by placing a patch of non-woven geotextile over the hole that extended at least one foot beyond the edge of the hole. These patches were continuously thermally bonded to the undamaged portion of the geocomposite. This method was also used along the tie-in at the toe of the slope and along trimmed panels. Any observed holes or tears in the geonet component of the composite were repaired by the installer by placing a patch of the same material over or under the hole or tear, at least 2-ft beyond the edges of the hole or tear. These patches were secured using nylon fasteners, followed by thermal bonding of the uppermost geotextile of the patch to the undamaged portion of the geocomposite.

5.6 CQA of Non-Woven Geotextile

5.6.1 Conformance Testing and Documentation

A non-woven geotextile was used as filter fabric to surround the aggregate in the leachate collection system and as a separator in the leachate sump in Cell 3. The 8-oz/yd^2, needle-punched, non-woven geotextile (GT-180) was manufactured by SKAPS Industries in Commerce, Georgia. The CQA conformance sample for the non-woven geotextile was collected by GeoSyntec on-site and shipped to TRI. TRI performed the CQA conformance testing on the sample of the non-woven geotextile collected.

The MQC certificates and test results and the CQA conformance test results were reviewed by CQA personnel and were found to be in compliance with the CQA Documents. The results of the MQC and CQA conformance tests are summarized in Table 5-6. Table 5-6 also indicates the tests that were conducted, the required test frequencies, and the acceptance criteria in accordance with the CQA Documents.

A CQA conformance samples was tested for approximately 40,500 ft^2 of the non-woven geotextile delivered to the site for installation in Cell 3. The actual CQA test frequency of 1 test per 40,500 ft^2 of non-woven geotextile exceeded the minimum testing frequency of 1 test per 100,000 ft^2 required by the CQA Documents.

5.6.2 Field Monitoring Activities

5.6.2.1 Delivery and On-Site Storage

Upon delivery to the site, non-woven geotextile rolls were stored in an area located south of the Cell 3 construction area (i.e., future Cell 6 footprint) and stacked on an elevated platform. The rolls were typically transported by an off-road forklift. CQA personnel periodically monitored the installer's delivery, unloading, and storage procedures to ensure that the material was handled in an appropriate manner.

5.6.2.2 Deployment

CQA personnel monitored the deployment of the non-woven geotextile rolls for manufacturing defects; damage that may have occurred during shipment, storage, and handling; and damage resulting from installation activities. If any materials were observed to be damaged, the installer was notified and the damaged materials were either discarded or repaired. CQA personnel observed repair locations to verify conformance with the requirements of the CQA Documents.

After deployment of the geotextile, CQA personnel observed that the installer overlapped geotextile panels end-to-end a minimum of 24-in. and continuously sewed the 6-in overlap.

5.7 Interface Friction Testing

As discussed in Section 2, the liner system in Cell 3 consists (from top to bottom) of the protective soil layer, primary geocomposite, primary liner, primary GCL, secondary geocomposite, secondary liner, secondary GCL and prepared subbase. Tests were performed in accordance with the CQA Documents to evaluate the interface shear strength for the various components of the liner system and the internal strength of the GCL. All tests for interface shear strength and the internal strength of the GCL were performed by SGI

The interface shear and the internal strength tests were performed as part of CQA and MQC testing. The tests were performed using samples of geosynthetics collected from rolls that were actually installed in Cell 3. The soils for the protective soil layer and liner subbase were obtained from the Bronsons Borrow Pit and were similar to the sandy soils used in construction. The following rolls of geosynthetics were used for the CQA interface shear and the internal strength tests:

- GCL – Roll #3284 (Lot #'s 200626CV);
- Textured geomembrane –Roll #324465.06 (Lot # 8160355);
- Primary geocomposite – Roll #131205378 (Lot # CTB610551); and
- Secondary geocomposite – Roll #131202795 (Lot #CSN610751).

The 6 different interfaces between the various components of the liner system and the internal strength of the GCL were tested at normal stresses of 5,000, 10,000, and 15,000 psf. Peak (at small displacement) and residual (at large displacements) shear strengths were measured at each normal stress. The interface shear tests were conducted under wetted/saturated conditions. GCL was soaked and consolidated prior to testing. The following liner system interfaces were tested (from top to bottom):

(1) Protective soil layer / Tri-planar geocomposite;
(2) Tri-planar geocomposite / Textured geomembrane;
(3) Textured geomembrane / GCL (woven side);
(4) GCL (non-woven side) / Bi-planar geocomposite;
(5) Bi-planar geocomposite / Textured geomembrane;
(6) GCL (non-woven side) / Subbase soil; and
(7) Internal strength of the GCL.

The minimum shear strengths required by the CQA Documents are presented in Table 5-7A. The measured peak and residual shear strengths for all the tests performed are summarized in Table 5-7B. Figures 5-1 and 5-2 present the peak and residual shear strengths, respectively, for the interface shear and the internal strength tests performed. As noted, the measured peak and residual shear strengths exceeded the minimum specification requirements.

Table 5-1

CQA AND MQC TEST RESULTS FOR GEOSYNTHETIC CLAY LINER (CETCO)
LOT NO. 200626CV

	CONSTRUCTION QUALITY ASSURANCE (CQA)	MANUFACTURING QUALITY CONTROL (MQC)					
PROPERTY	Hydraulic Conductivity (cm/s)	Bentonite Content (lb/ft^2)	Grab Strength (lb)	Peel Strength (lb)	Bentonite Free Swell (ml)	Bentonite Moisture Content (%)	Hydraulic Conductivity (cm/s)
TEST STANDARD	ASTM D 5887	ASTM D 5993	ASTM D 4632	ASTM D 4632	ASTM D 5890	ASTM D 2216	ASTM D 5887
PROJECT SPECS.	$\leq 5.0 \times 10^{-9}$	≥ 0.75	≥ 90	≥ 15	≥ 24	≤ 25	$\leq 5.0 \times 10^{-9}$
TESTING FREQUENCY	1 per 200,000 ft^2 (2)	1 per 40,000 ft^2 (2)			1 per 50 ton (1, 2)		1 per 100,000 ft^2 (2)

ROLL NUMBER	CQA SAMPLE ID	TEST RESULTS							PASS/FAIL (P/F)	
									CQA	MQC
3284	E2243-44-02	2.1×10^{-9}	0.88	191.4	24	24	9.6	2.0×10^{-9}		P
3300			0.95	191.4	19.2	24	9.6			
3315			0.87	191.4	26.6	24	9.6			
3329			0.92	191.4	18.1	24	9.6	3.1×10^{-9}		
3344			0.90	191.4	28.8	24	9.6			
3361			0.88	191.4	43.6	24	9.6			
3376	E2243-44-02	2.6×10^{-9}	0.77	212.0	31.1	31	8.3	1.4×10^{-9}		
3391			0.81	212.0	19.5	31	8.3			
3406			0.81	212.0	24.5	31	8.3			
3421			0.80	212.0	23.6	31	8.3	8.1×10^{-10}		
3435			0.81	212.0	21.8	31	8.3			
3451			0.79	212.0	24.8	31	8.3			
3465	E2243-44-02	2.0×10^{-9}	0.75	165.3	52.6	31	8.3	3.4×10^{-9}		
3482			0.78	165.3	39.0	28	9.2			
3497			0.85	165.3	27.6	28	9.2			
3515			0.80	165.3	31.3	28	9.2	1.3×10^{-9}		
3531			0.85	165.3	21.5	28	9.2			
3546			0.84	165.3	28.8	28	9.2			

Notes:

1 Manufacturer's testing frequency was accepted for these properties.
2 A minimum of 1 test per lot was required.

Table 5-1 (continued)

CQA AND MQC TEST RESULTS FOR GEOSYNTHETIC CLAY LINER (CETCO)
LOT NO. 200626CV

	CONSTRUCTION QUALITY ASSURANCE (CQA)	MANUFACTURING QUALITY CONTROL (MQC)					
PROPERTY	Hydraulic Conductivity (cm/s)	Bentonite Content (lb/ft^2)	Grab Strength (lb)	Peel Strength (lb)	Bentonite Free Swell (ml)	Bentonite Moisture Content (%)	Hydraulic Conductivity (cm/s)
TEST STANDARD	ASTM D 5887	ASTM D 5993	ASTM D 4632	ASTM D 4632	ASTM D 5890	ASTM D 2216	ASTM D 5887
PROJECT SPECS.	$\leq 5.0x10^{-9}$	≥ 0.75	≥ 90	≥ 15	≥ 24	≤ 25	$\leq 5.0x10^{-9}$
TESTING FREQUENCY	1 per 200,000 ft^2 (2)	1 per 40,000 ft^2 (2)			1 per 50 ton (1, 2)		1 per 100,000 ft^2 (2)

ROLL NUMBER	CQA SAMPLE ID	TEST RESULTS							PASS/FAIL (P/F)	
									CQA	MQC
3561	E2243-44-02	2.6×10^{-9}	0.88	140.1	37.6	28	9.2	1.7×10^{-9}		
3575			0.77	140.1	34.5	28	9.2			
3592			0.82	140.1	19.9	31	8.9			
3606			0.83	140.1	35.8	31	8.9	2.8×10^{-9}		
3621			0.80	140.1	27.1	31	8.9			
3636			0.87	140.1	19.7	31	8.9			
3651	E2243-44-02	1.9×10^{-9}	0.84	180.0	32.5	31	8.9	9.8×10^{-10}		
3666			0.90	180.0	18.3	31	8.9			
3683			0.86	180.0	30.6	31	8.9			
3698			0.91	180.0	24.9	31	9.1	1.0×10^{-9}		
3714			0.95	180.0	21.8	31	9.1			
3729			0.96	180.0	36.5	31	9.1			
3744	E2243-44-02	2.3×10^{-9}	0.94	195.0	34.5	31	9.1	4.1×10^{-9}		

Notes:

1 Manufacturer's testing frequency was accepted for these properties.

2 A minimum of 1 test per lot was required.

Average Roll Area (150 ft x 15 ft):	2,250	ft^2		SHEET NO.	2	of 3
No. of Rolls in Lot:	437		CUMULATIVE NUMBER OF ROLLS:		437	
Area in Lot:	983,250	ft^2	CUMULATIVE AREA:		983,250	ft^2

17-Oct-06

Table 5-1 (continued)

CQA AND MQC TEST RESULTS FOR GEOSYNTHETIC CLAY LINER (CETCO)
LOT NO. 200634CV

	CONSTRUCTION QUALITY ASSURANCE (CQA)	MANUFACTURING QUALITY CONTROL (MQC)					
PROPERTY	Hydraulic Conductivity (cm/s)	Bentonite Content (lb/ft^2)	Grab Strength (lb)	Peel Strength (lb)	Bentonite Free Swell (ml)	Bentonite Moisture Content (%)	Hydraulic Conductivity (cm/s)
TEST STANDARD	ASTM D 5887	ASTM D 5993	ASTM D 4632	ASTM D 4632	ASTM D 5890	ASTM D 2216	ASTM D 5887
PROJECT SPECS.	$\leq 5.0x10^{-9}$	≥ 0.75	≥ 90	≥ 15	≥ 24	≤ 25	$\leq 5.0x10^{-9}$
TESTING FREQUENCY	1 per 200,000 ft^2 (2)	1 per 40,000 ft^2 (2)			1 per 50 ton (1, 2)		1 per 100,000 ft^2 (2)

ROLL NUMBER	CQA SAMPLE ID	TEST RESULTS							PASS/FAIL (P/F)	
									CQA	MQC
7175	E2243-60-06	3.0×10^{-9}	0.87	301	37.3	24	9.6		P	P
6806								2.9×10^{-9}		P

Notes:

1 Manufacturer's testing frequency was accepted for these properties.

2 A minimum of 1 test per lot was required.

Average Roll Area (150 ft x 15 ft):	2,250	ft^2	**SHEET NO.**	**3**	**of 3**
No. of Rolls in Lot:	17		**CUMULATIVE NUMBER OF ROLLS:**	**454**	
Area in Lot:	38,250	ft^2	**CUMULATIVE AREA:**	**1,021,500**	**ft^2**

17-Oct-06

Table 5-2A

CQA AND MQC TEST RESULTS FOR 60-mil TEXTURED GEOMEMBRANE (AGRU AMERICA)
RESIN LOT NO. 8160355

	CONSTRUCTION QUALITY ASSURANCE (CQA)								MANUFACTURING QUALITY CONTROL (MQC)									
PROPERTY	Thickness (mil)	Density (g/cm^3)	Carbon Black Content (%)	Carbon Black Dispersion	Yield Strength[2] (lb/in)	Break Strength[2] (lb/in)	Yield Elongation[2] (%)	Break Elongation[2] (%)	Thickness[1] (mil)	Density (g/cm^3)	Carbon Black Content (%)	Carbon Black Dispersion	Yield Strength[2] (psi)	Break Strength[2] (psi)	Yield Elongation[2] (%)	Break Elongation[2] (%)	Tear Resistance[2] (lb)	Puncture Resistance (lb)
TEST STANDARD	ASTM D 5994	ASTM D 1505	ASTM D 1603	ASTM D 5596	ASTM D 6693	ASTM D 6693	ASTM D 6693	ASTM D 6693	ASTM D 5994	ASTM D 1505	ASTM D 1603	ASTM D 5596	ASTM D 6693	ASTM D 6693	ASTM D 6693	ASTM D 6693	ASTM D 1004	ASTM D 4833
PROJECT SPECS.	≥ 60 / 54 [5]	≥ 0.94	2 to 3	See Note 3	≥ 130	≥ 72	≥ 12	≥ 100	≥ 60 / 54 [(5)]	≥ 0.94	2 to 3	See Note 3	≥ 2170 (130 ppi)	≥ 1200 (72 ppi)	≥ 12	≥ 100	≥ 40	≥ 80
TESTING FREQUENCY	1 per 100,000 ft^2 [4]								1 per 50,000 ft^2 [4]									

ROLL NUMBER	CQA SAMPLE ID	TEST RESULTS								TEST RESULTS										PASS/FAIL (P/F)	
																				CQA	MQC
324346	E2262-42-07	64/61	0.945	2.31	10	159	187	17	452	65/62	0.946	2.34	10	2535	2991	17	462	54	136	P	P
324351										61/56	0.946	2.37	10	2480	2450	18	418	50	138		P
324356	E2262-42-07	60/58	0.943	2.33	10	152	154	17	430	60/57	0.945	2.33	10	2450	3002	18	498	49	133	P	P
324461										60/57	0.945	2.27	10	2501	2396	18	379	49	132		P
324466	E2262-42-07	61/58	0.945	2.31	10	153	161	16	437	61/58	0.945	2.21	10	2588	2782	17	427	51	143	P	P
324471										61/58	0.945	2.23	10	2446	2649	18	444	50	140		P
324477	E2262-44-01	60/57	0.945	2.31	10	147	151	17	427	62/57	0.945	2.44	10	2468	2644	18	440	50	135	P	P
324581										61/58	0.945	2.26	10	2499	2651	17	417	50	140		P
324587	E2262-44-01	62/58	0.945	2.38	10	150	161	16	474	63/59	0.945	2.33	10	2428	3014	17	483	53	151	P	P

Notes:

1 Thickness was measured for every roll.

2 Minimum property value in machine direction (MD) and transverse direction (TD).

3 Project requirements for carbon black dispersion are: 8 of 10 in Category 1 or 2 and all in Category 1,2, or 3. Results are for Category 1 or 2.

4 A minimum of 1 test per lot was required.

5 Average / Minimum thickness

Average Roll Area (410 ft x 23 ft): 9,430 ft^2
No. of Rolls in Lot: 42
Area in Lot: 396,060 ft^2

SHEET NO. 1 OF 4
CUMULATIVE NUMBER OF ROLLS: 42
CUMULATIVE AREA: 396,060 ft^2

Table 5-2A (continued)

CQA AND MQC TEST RESULTS FOR 60-mil TEXTURED GEOMEMBRANE (AGRU AMERICA)
RESIN LOT NO. 8160356

	CONSTRUCTION QUALITY ASSURANCE (CQA)								MANUFACTURING QUALITY CONTROL (MQC)									
PROPERTY	Thickness (mil)	Density (g/cm^3)	Carbon Black Content (%)	Carbon Black Dispersion	Yield Strength[2] (lb/in)	Break Strength[2] (lb/in)	Yield Elongation[2] (%)	Break Elongation[2] (%)	Thickness[1] (mil)	Density (g/cm^3)	Carbon Black Content (%)	Carbon Black Dispersion	Yield Strength[2] (psi)	Break Strength[2] (psi)	Yield Elongation[2] (%)	Break Elongation[2] (%)	Tear Resistance[2] (lb)	Puncture Resistance (lb)
TEST STANDARD	ASTM D 5994	ASTM D 1505	ASTM D 1603	ASTM D 5596	ASTM D 6693	ASTM D 6693	ASTM D 6693	ASTM D 6693	ASTM D 5994	ASTM D 1505	ASTM D 1603	ASTM D 5596	ASTM D 6693	ASTM D 6693	ASTM D 6693	ASTM D 6693	ASTM D 1004	ASTM D 4833
PROJECT SPECS.	≥ 60 / 54 [5]	≥ 0.94	2 to 3	See Note 3	≥ 130	≥ 72	≥ 12	≥ 100	≥ 60 / 54 [(5)]	≥ 0.94	2 to 3	See Note 3	≥ 2170 (130 ppi)	≥ 1200 (72 ppi)	≥ 12	≥ 100	≥ 40	≥ 80
TESTING FREQUENCY	1 per 100,000 ft^2 [4]								1 per 50,000 ft^2 [4]									

ROLL NUMBER	CQA SAMPLE ID	TEST RESULTS								TEST RESULTS										PASS/FAIL (P/F)	
																				CQA	MQC
324591										63/59	0.945	2.2	10	2451	2616	18	440	52	149		P
324597	E2262-44-01	62/60	0.945	2.36	10	152	171	17	475	62/60	0.945	2.71	10	2520	2562	17	442	51	148	P	P
325108										62/58	0.945	2.18	10	2486	2812	18	456	52	147		P
325113										61/57	0.945	2.37	10	2454	2915	18	474	49	140		P

Notes:

1 Thickness was measured for every roll.

2 Minimum property value in machine direction (MD) and transverse direction (TD).

3 Project requirements for carbon black dispersion are: 8 of 10 in Category 1 or 2 and all in Category 1,2, or 3. Results are for Category 1 or 2.

4 A minimum of 1 test per lot was required.

5 Average / Minimum thickness.

Average Roll Area (410 ft x 23 ft): 9,430 ft^2
No. of Rolls in Lot: 17
Area in Lot: 160,310 ft^2

SHEET NO. 2 OF 4
CUMULATIVE NUMBER OF ROLLS: 59
CUMULATIVE AREA: 556,370 ft^2

Table 5-2A (continued)

CQA AND MQC TEST RESULTS FOR 60-mil TEXTURED GEOMEMBRANE (AGRU AMERICA)
RESIN LOT NO. 8160352

	CONSTRUCTION QUALITY ASSURANCE (CQA)								MANUFACTURING QUALITY CONTROL (MQC)									
PROPERTY	Thickness (mil)	Density (g/cm^3)	Carbon Black Content (%)	Carbon Black Dispersion	Yield Strength[2] (lb/in)	Break Strength[2] (lb/in)	Yield Elongation[2] (%)	Break Elongation[2] (%)	Thickness[1] (mil)	Density (g/cm^3)	Carbon Black Content (%)	Carbon Black Dispersion	Yield Strength[2] (psi)	Break Strength[2] (psi)	Yield Elongation[2] (%)	Break Elongation[2] (%)	Tear Resistance[2] (lb)	Puncture Resistance (lb)
TEST STANDARD	ASTM D 5994	ASTM D 1505	ASTM D 1603	ASTM D 5596	ASTM D 6693	ASTM D 6693	ASTM D 6693	ASTM D 6693	ASTM D 5994	ASTM D 1505	ASTM D 1603	ASTM D 5596	ASTM D 6693	ASTM D 6693	ASTM D 6693	ASTM D 6693	ASTM D 1004	ASTM D 4833
PROJECT SPECS.	≥ 60 / 54 [5]	≥ 0.94	2 to 3	See Note 3	≥ 130	≥ 72	≥ 12	≥ 100	≥ 60 / 54 [(5)]	≥ 0.94	2 to 3	See Note 3	≥ 2170 (130 ppi)	≥ 1200 (72 ppi)	≥ 12	≥ 100	≥ 40	≥ 80
TESTING FREQUENCY	1 per 100,000 ft^2 [4]								1 per 50,000 ft^2 [4]									

ROLL NUMBER	CQA SAMPLE ID	TEST RESULTS								TEST RESULTS										PASS/FAIL (P/F)	
																				CQA	MQC
325216	E2262-48-08	61/57	0.944	2.43	10	150	163	17	457	61/58	0.947	2.37	10	2454	2915	18	474	49	140	P	P
325218										61/58	0.947	2.34	10	2487	2673	17	429	50	134		P
325226	E2262-51-07	62/58	0.945	2.28	9	153	149	18	390	63/60	0.946	2.27	10	2389	2870	18	487	50	144	P	P
325228										63/59	0.947	2.31	10	2440	2721	18	441	51	142		P
325336	E2262-51-07	60/54	0.944	2.34	9	149	163	17	465	61/58	0.945	2.38	10	2384	2788	18	503	50	133	P	P
325338										60/57	0.946	2.33	10	2473	2964	17	494	50	89		P
325346	E2262-53-05	61/58	0.943	2.24	10	149	135	18	290	61/55	0.945	2.42	10	2477	3080	18	434	51	127	P	P
325348										62/58	0.947	2.71	10	2464	2736	17	441	51	128		P
325453										61/58	0.947	2.24	10	2420	3014	18	494	49	142		P
325456	E2262-53-05	61/57	0.944	2.39	10	145	171	18	453	61/56	0.946	2.27	10	2589	2768	17	440	50	140	P	P

Notes:

1 Thickness was measured for every roll.

2 Minimum property value in machine direction (MD) and transverse direction (TD).

3 Project requirements for carbon black dispersion are: 8 of 10 in Category 1 or 2 and all in Category 1,2, or 3. Results are for Category 1 or 2.

4 A minimum of 1 test per lot was required.

5 Average / Minimum thickness.

Average Roll Area (410 ft x 23 ft):	9,430	ft^2	SHEET NO.	3	OF 4
No. of Rolls in Lot:	48		CUMULATIVE NUMBER OF ROLLS:	107	
Area in Lot:	452,640	ft^2	CUMULATIVE AREA:	1,009,010	ft^2

Table 5-2A (continued)

CQA AND MQC TEST RESULTS FOR 60-mil TEXTURED GEOMEMBRANE (AGRU AMERICA)
RESIN LOT NO. 8151191

	CONSTRUCTION QUALITY ASSURANCE (CQA)								MANUFACTURING QUALITY CONTROL (MQC)									
PROPERTY	Thickness (mil)	Density (g/cm^3)	Carbon Black Content (%)	Carbon Black Dispersion	Yield Strength[2] (lb/in)	Break Strength[2] (lb/in)	Yield Elongation[2] (%)	Break Elongation[2] (%)	Thickness[1] (mil)	Density (g/cm^3)	Carbon Black Content (%)	Carbon Black Dispersion	Yield Strength[2] (psi)	Break Strength[2] (psi)	Yield Elongation[2] (%)	Break Elongation[2] (%)	Tear Resistance[2] (lb)	Puncture Resistance (lb)
TEST STANDARD	ASTM D 5994	ASTM D 1505	ASTM D 1603	ASTM D 5596	ASTM D 6693	ASTM D 6693	ASTM D 6693	ASTM D 6693	ASTM D 5994	ASTM D 1505	ASTM D 1603	ASTM D 5596	ASTM D 6693	ASTM D 6693	ASTM D 6693	ASTM D 6693	ASTM D 1004	ASTM D 4833
PROJECT SPECS.	≥ 60 / 54 [5]	≥ 0.94	2 to 3	See Note 3	≥ 130	≥ 72	≥ 12	≥ 100	≥ 60 / 54 [(5)]	≥ 0.94	2 to 3	See Note 3	≥ 2170 (130 ppi)	≥ 1200 (72 ppi)	≥ 12	≥ 100	≥ 40	≥ 80
TESTING FREQUENCY	1 per 100,000 ft^2 [4]								1 per 50,000 ft^2 [4]									

ROLL NUMBER	CQA SAMPLE ID	TEST RESULTS								TEST RESULTS										PASS/FAIL (P/F)	
																				CQA	MQC
150115	E2265-34-06	65/62	0.945	2.71	10	163	217	19	513	62/65	0.947	2.69	10	2351	3378	19	567	55	140	P	P

Notes:

1 Thickness was measured for every roll.

2 Minimum property value in machine direction (MD) and transverse direction (TD).

3 Project requirements for carbon black dispersion are: 8 of 10 in Category 1 or 2 and all in Category 1,2, or 3. Results are for Category 1 or 2.

4 A minimum of 1 test per lot was required.

5 Average / Minimum thickness.

Average Roll Area (410 ft x 23 ft): 3,500 ft^2
No. of Rolls in Lot: 5
Area in Lot: 17,346 ft^2

SHEET NO. 4 OF 4
CUMULATIVE NUMBER OF ROLLS: 112
CUMULATIVE AREA: 1,026,356 ft^2

Table 5-2B

MQC TEST RESULTS FOR RESIN USED TO MANUFACTURE TEXTURED GEOMEMBRANE

	Product Name	Supplier Name	Density (g/cm^3)	Melt Index (g/10 min)	Percent of Reclaimed Polymer
TEST STANDARD			ASTM D1505	ASTM D 1238	
PROJECT SPECS.			≥ 0.932	≤ 1.0	0%
TESTING FREQUENCY			1 per Lot		

Geomembrane Lot Number	**TEST RESULTS**					**PASS/FAIL (P/F)**
8160355	Marlex Polyethylene K307 Bulk	Agru	0.937	0.22	0%	P
8160356	Marlex Polyethylene K307 Bulk	Agru	0.936	0.24	0%	P
8160352	Marlex Polyethylene K307 Bulk	Agru	0.937	0.26	0%	P
8151191	Marlex Polyethylene K307 Bulk	Agru	0.947	0.28	0%	P

Table 5-2C

MISCELLANEOUS MQC TEST RESULTS FOR 60-mil TEXTURED GEOMEMBRANE (AGRU AMERICA)

	Dimensional Stability (%)	Notched Constant Tensile Load (hrs)
TEST STANDARD	ASTM D 1204	ASTM D 5397
PROJECT SPECS.	≤ ± 2	≥ 200
TESTING FREQUENCY	1 per Lot	1 per 400,000

Geomembrane Lot Number	Geomembrane Roll Number	TEST RESULTS		PASS/FAIL (P/F)
8160355	222601-06	N/A	404	P
8160355	324346-06	-0.38	N/A	P
8160356	324589-06	-0.15	201	P
8160352	325115-06	-0.53	239	P
8151191	150115-05	-0.54	N/A	P

Table 5-3A

DESTRUCTIVE SEAM TEST RESULTS FOR PRIMARY LINER INSTALLED IN CELL 3

Sample No.	Panel No.	Weld Type [1]	Peel Strength [2] (lb/in)										Shear Strength [3] (lb/in)					Failure Type [4]	Pass/Fail (P/F)
			Bottom Peel (inside)					Top Peel (outside)											
DSP-1	2-19	F	128	122	127	121	113	145	133	141	130	117	154	151	151	153	147	FTB	P
DSP-2	17-20	F	127	129	131	133	127	140	141	139	141	138	157	159	160	158	157	FTB	P
DSP-3	20-22	F	141	134	139	141	145	142	141	143	151	145	189	187	190	189	186	FTB	P
DSP-4	22-23	F	121	118	136	140	131	142	137	148	130	124	179	181	181	180	178	FTB	P
DSP-5	23-24	F	125	123	142	143	124	137	141	131	130	132	186	182	186	187	184	FTB	P
DSP-6	24-25	F	132	139	139	134	128	138	138	131	133	138	184	184	185	188	183	FTB	P
DSP-7	26-27	F	127	142	143	148	147	128	123	136	130	128	182	181	183	182	179	FTB	P
DSP-8	27-28	F	123	138	132	131	123	116	124	116	128	132	164	166	160	167	161	FTB	P
DSP-9	28-29	F	131	129	129	132	127	130	118	127	131	118	178	175	179	179	178	FTB	P
DSP-10	29-30	F	125	138	143	144	136	138	138	138	131	111	173	177	174	178	172	FTB	P
DSP-11	30-31	F	126	122	136	131	125	119	127	22	125	122	165	168	164	171	165	FTB	P
DSP-12	24-ext	E	155	151	154	152	154	N/A	N/A	N/A	N/A	N/A	156	157	155	158	157	FTB	P
DSP-13	31-32	F	128	127	129	130	128	146	136	140	136	138	184	182	184	183	182	FTB	P
DSP-14	32-33	F	141	142	147	141	142	131	129	156	135	127	191	187	191	192	189	FTB	P
DSP-15	33-34	F	151	132	132	142	125	128	132	150	149	128	180	179	181	181	177	FTB	P
DSP-16	35-36	F	147	152	132	123	128	113	110	111	120	110	179	175	176	178	177	FTB	P
DSP-17	39-37	F	142	142	148	141	145	134	132	131	138	134	181	178	180	182	178	FTB	P
DSP-18	37-38	F	124	123	123	126	127	127	124	125	127	127	182	180	181	180	182	FTB	P
DSP-19	38-39	F	138	138	140	131	126	124	124	127	126	117	184	182	185	184	184	FTB	P
DSP-20	40-41	F	140	148	137	144	145	162	130	137	124	133	191	180	186	180	183	FTB	P
DSP-21	41-42	F	141	134	134	121	121	125	120	133	137	123	184	187	183	188	176	FTB	P
DSP-22	20-43	F	133	138	137	130	138	139	137	130	134	123	162	166	169	167	160	FTB	P
DSP-23	43-44	F	132	132	133	135	132	136	132	141	135	132	185	182	184	183	182	FTB	P
DSP-24	44-45	F	129	124	127	128	124	131	134	139	119	135	182	179	177	182	178	FTB	P
DSP-25	45-46	F	126	124	132	122	126	149	150	146	124	138	184	182	181	183	179	FTB	P

Notes:

1 "F" is fusion and "E" is extrusion weld.

2 Specified peel strength: 78 lb/in for fusion and 70 lb/in for extrusion

3 Specified shear strength: 120 lb/in for fusion and 108 lb/in for extrusion

4 "FTB" is Film Tear Bond (with maximum 10 percent seam separation).

Table 5-3A (continued)

DESTRUCTIVE SEAM TEST RESULTS FOR PRIMARY LINER INSTALLED IN CELL 3

Sample No.	Panel No.	Weld Type [1]	Peel Strength [2] (lb/in)										Shear Strength [3] (lb/in)					Failure Type [4]	Pass/Fail (P/F)
			Bottom Peel (inside)					Top Peel (outside)											
DSP-26	46-47	F	147	144	148	152	131	120	121	126	132	126	196	193	196	197	187	FTB	P
DSP-27	48-49	F	136	136	133	129	125	128	129	130	147	126	184	179	184	181	180	FTB	P
DSP-28	49-50	F	133	132	128	131	127	134	132	128	122	131	185	180	186	182	185	FTB	P
DSP-29	51-52	F	130	126	128	128	131	132	125	126	1126	128	182	177	183	179	182	FTB	P
DSP-30	56-57	F	164	162	164	161	160	159	159	158	164	161	168	170	166	168	167	FTB	P
DSP-31	62-63	F	137	136	139	132	134	139	132	139	130	141	193	189	189	192	191	FTB	P
DSP-32	50-66	F	141	138	142	137	137	129	131	132	127	125	188	187	185	189	185	FTB	P
DSP-33	66-67	F	122	124	125	126	126	124	123	122	127	121	188	193	193	192	188	FTB	P
DSP-34	67-68	F	125	126	126	129	126	128	144	141	134	146	192	191	193	195	187	FTB	P
DSP-35	42-76	F	144	141	130	130	138	155	159	165	167	154	190	187	188	188	187	FTB	P
DSP-36	76-77	F	125	126	127	126	137	125	131	130	129	124	186	185	187	187	188	FTB	P
DSP-37	77-78	F	128	130	129	133	131	130	131	129	138	129	192	195	194	194	195	FTB	P
DSP-38	78-79	F	131	129	133	127	131	127	125	145	127	127	185	184	183	183	184	FTB	P
DSP-39	83-84	F	131	124	123	130	123	141	118	143	134	128	174	182	182	185	182	FTB	P
DSP-40	86-79	F	140	147	145	143	157	150	158	138	147	147	169	166	167	166	164	FTB	P
DSP-41	100-95	F	141	144	145	154	146	145	132	137	150	141	160	158	163	162	164	FTB	P
DSP-42	90-91	F	147	142	148	142	144	137	131	144	143	144	184	183	185	188	183	FTB	P
DSP-43	99-ext	E	170	140	145	153	162	N/A	N/A	N/A	N/A	N/A	161	161	161	167	155	FTB	P
DSP-44	89-ext	E	161	162	171	163	165	N/A	N/A	N/A	N/A	N/A	157	158	162	162	165	FTB	P
DSP-45	40-101	F	155	151	124	159	150	155	148	161	165	154	178	182	175	178	174	FTB	P
DSP-46	102-104	F	124	127	126	118	119	151	143	149	148	127	186	184	182	183	187	FTB	P
DSP-47	104-105	F	147	141	140	148	139	140	142	146	140	142	163	166	163	166	162	FTB	P
DSP-48	106-108	F	155	136	141	141	142	139	126	121	139	130	186	184	184	185	186	FTB	P
DSP-49	110-112	F	156	148	151	155	140	126	123	130	124	122	184	182	182	185	182	FTB	P
DSP-50	113-115	F	128	127	126	124	130	154	150	135	147	138	186	182	185	188	185	FTB	P
DSP-51	67-117	F	145	143	134	146	142	150	148	137	140	137	159	157	161	157	156	FTB	P
DSP-52	118-123	F	162	163	162	158	162	131	130	126	127	130	181	181	179	177	179	FTB	P
DSP-53	129-134	F	136	133	137	117	120	128	144	136	151	143	188	185	187	188	186	FTB	P

Notes:

1 "F" is fusion and "E" is extrusion weld.

2 Specified peel strength: 78 lb/in for fusion and 70 lb/in for extrusion

3 Specified shear strength: 120 lb/in for fusion and 108 lb/in for extrusion

4 "FTB" is Film Tear Bond (with maximum 10 percent seam separation).

Table 5-3B

DESTRUCTIVE SEAM TEST RESULTS FOR SECONDARY LINER INSTALLED IN CELL 3

Sample No.	Panel No.	Weld Type [1]	Peel Strength [2] (lb/in)										Shear Strength [3] (lb/in)					Failure Type [4]	Pass/Fail (P/F)	Retest No.
			Bottom Peel (inside)					Top Peel (outside)												
DSS-1	8-9	F	125	133	125	126	134	144	144	149	147	143	173	175	173	173	173	FTB	P	
DSS-2	17-20	F	128	133	130	131	127	138	140	136	136	139	169	167	165	161	163	FTB	P	
DSS-3	20-21	F	129	120	117	113	121	149	129	132	119	123	183	181	184	184	182	FTB	P	
DSS-4	21-22	F	129	129	125	129	127	133	140	139	126	128	181	181	181	186	179	FTB	P	
DSS-5	22-23	F	124	145	118	117	145	124	120	122	124	122	182	180	179	181	177	FTB	P	
DSS-6	23-24	F	123	123	127	135	130	132	128	139	130	135	183	184	183	183	185	FTB	P	
DSS-7	24-25	F	125	121	122	124	124	123	121	124	123	125	174	171	174	176	175	FTB	P	
DSS-8	25-26	F	132	133	136	147	136	128	115	133	121	134	175	178	174	172	171	FTB	P	
DSS-9	27-28	F	136	138	138	137	150	131	125	127	128	123	174	171	173	172	173	FTB	P	
DSS-10	28-29	F	143	141	145	142	143	131	118	127	130	131	170	168	170	169	172	FTB	P	
DSS-11	29-30	F	133	144	140	138	135	139	134	131	134	128	179	177	177	178	175	FTB	P	
DSS-12	30-31	F	126	122	134	119	123	123	123	125	128	126	176	174	177	175	173	FTB	P	
DSS-13	32-33	F	130	135	137	141	129	123	136	133	138	138	178	175	175	175	175	FTB	P	
DSS-14	33-34	F	133	133	130	126	127	124	144	126	133	134	183	180	181	179	180	FTB	P	
DSS-15	34-35	F	105	129	133	132	111	137	136	140	126	139	179	178	178	180	179	FTB	P	
DSS-16	35-36	F	129	129	139	127	129	145	130	130	138	131	181	178	179	179	178	FTB	P	
DSS-17	37-38	F	124	123	135	128	125	133	125	133	126	123	178	178	179	180	182	FTB	P	
DSS-18	24-ext	E	158	135	119	126	126	N/A	N/A	N/A	N/A	N/A	154	156	152	150	149	FTB	P	
DSS-19	38-39	F	123	126	127	128	124	141	147	150	129	140	186	181	186	185	182	FTB	P	
DSS-20	39-40	F	139	138	145	141	140	119	117	120	119	121	180	177	179	179	177	FTB	P	
DSS-21	40-41	F	136	143	139	111	142	131	125	120	134	126	174	179	176	175	175	FTB	P	
DSS-22	41-42	F	128	127	127	135	127	125	126	126	124	127	185	188	185	186	184	FTB	P	
DSS-23	41-ext	E	157	132	138	127	135	N/A	N/A	N/A	N/A	N/A	121	117	112	127	104	FTB	P	
DSS-24	19-44	F	127	128	130	127	130	141	140	139	137	139	183	187	182	184	180	FTB	P	
DSS-25	44-45	F	123	121	121	121	122	133	137	140	141	128	181	179	177	182	177	FTB	P	
DSS-26	45-46	F	129	125	127	32	124	157	143	143	140	138	181	181	180	182	182	FTB	P	
DSS-27	46-47	F	121	120	126	126	130	137	135	129	134	117	177	178	175	176	175	FTB	P	

Notes:

[1] "F" is fusion and "E" is extrusion weld.

[2] Specified peel strength: 78 lb/in for fusion and 70 lb/in for extrusion

[3] Specified shear strength: 120 lb/in for fusion and 108 lb/in for extrusion

[4] "FTB" is Film Tear Bond (with maximum 10 percent seam separation).

Table 5-3B (continued)

DESTRUCTIVE SEAM TEST RESULTS FOR SECONDARY LINER INSTALLED IN CELL 3

Sample No.	Panel No.	Weld Type [1]	Peel Strength [2] (lb/in)										Shear Strength [3] (lb/in)					Failure Type [4]	Pass/Fail (P/F)	Retest No.
			Bottom Peel (inside)					Top Peel (outside)												
DSS-28	43-49	F	127	142	141	132	136	133	134	128	127	127	193	188	189	190	192	FTB	P	
DSS-29	67-50	F	126	142	141	135	136	133	134	128	127	127	193	188	189	190	192	FTB	P	
DSS-30	49-50	F	137	138	136	135	139	139	145	143	135	126	195	188	190	190	189	FTB	P	
DSS-31	71-ext	E	121	126	133	140	137	N/A	N/A	N/A	N/A	N/A	166	164	163	168	159	FTB	P	
DSS-32	52-53	F	148	146	142	147	146	144	139	144	151	135	162	163	162	160	160	FTB	P	
DSS-33	48-73	F	131	126	126	127	125	149	142	141	138	141	191	187	189	189	185	FTB	P	
DSS-34	73-74	F	128	121	123	125	125	133	148	139	136	138	193	190	185	189	186	FTB	P	
DSS-35	74-75	F	133	129	133	132	131	127	128	125	124	123	191	190	190	188	189	FTB	P	
DSS-36	75-76	F	142	142	139	142	138	143	142	140	130	121	197	194	197	197	195	FTB	P	
DSS-37	76-77	F	126	124	135	125	127	157	137	131	134	129	190	185	186	186	185	FTB	P	
DSS-38	72-79	F	150	143	127	140	130	138	129	120	120	117	181	182	181	181	179	FTB	P	
DSS-39	80-81	F	151	151	156	157	158	150	148	148	152	151	164	160	164	168	159	FTB	P	
DSS-40	82-83	F	126	131	127	125	123	132	122	126	131	128	191	185	188	188	181	FTB	P	
DSS-41	83-84	F	123	124	133	124	147	123	139	131	145	136	191	186	186	191	188	FTB	P	
DSS-42	89-93	F	136	137	147	132	138	132	129	134	134	130	159	158	159	160	162	FTB	P	
DSS-43	97-98	F	136	139	136	131	134	134	133	129	141	138	183	181	181	183	180	FTB	P	
DSS-44	78-100	F	141	140	147	143	139	134	146	138	139	133	159	156	159	157	156	FTB	P	
DSS-45	105-106	F	145	146	150	145	153	114	110	113	113	111	184	183	183	187	184	FTB	P	
DSS-46	87-110	F	136	148	138	143	153	130	148	143	143	142	187	182	185	185	184	FTB	P	
DSS-47	74-110	F	145	143	136	137	138	140	139	136	139	135	153	148	151	149	148	FTB	P	
DSS-48	113-114	F	127	129	127	128	125	129	136	129	135	128	183	184	184	186	183	FTB	P	
DSS-49	128-129	F	132	133	154	136	139	121	131	123	142	125	184	183	181	186	183	FTB	P	
DSS-50	115-130	F	150	144	151	154	154	127	126	128	131	134	185	185	185	190	185	FTB	P	
DSS-51	Sump	E	115	139	198	110	110	N/A	N/A	N/A	N/A	N/A	159	152	160	155	156	FTB	P	
DSS-52	117-ext	E	104	132	158	123	153	N/A	N/A	N/A	N/A	N/A	159	162	161	166	163	FTB	P	

Notes:

[1] "F" is fusion and "E" is extrusion weld.

[2] Specified peel strength: 78 lb/in for fusion and 70 lb/in for extrusion

[3] Specified shear strength: 120 lb/in for fusion and 108 lb/in for extrusion

[4] "FTB" is Film Tear Bond (with maximum 10 percent seam separation).

Table 5-4A

CQA AND MQC TEST RESULTS FOR PRIMARY GEOCOMPOSITE (GSE)

	CONSTRUCTION QUALITY ASSURANCE (CQA)								MANUFACTURING QUALITY CONTROL (MQC)		
	GEOTEXTILE					GEOCOMPOSITE			GEOCOMPOSITE		
PROPERTY	Mass per Unit Area [1] (oz/yd^2)	Grab Strength [2] (lb)	Trapezoidal Tear Strength [2] (lb)	Apparent Opening Size (mm)	Permittivity (sec^{-1})	Transmissivity (m^2/sec)		Peel Strength [3] (lb/in)	Transmissivity (m^2/sec)		Peel Strength [3] (lb/in)
TEST STANDARD	ASTM D 5261	ASTM D 4632	ASTM D 4533	ASTM D 4751	ASTM D 4491	ASTM D 4716		ASTM F 904	ASTM D 4716		GRI GC7
PROJECT SPECS.	≥ 8	≥ 180	≥ 75	≤ 0.21	≥ 0.5	≥ $3.0x10^{-3}$ at 500 psf	≥ $1.0x10^{-3}$ at 10,000 psf	≥ 1.0	≥ $3.0x10^{-3}$ at 500 psf	≥ $1.0x10^{-3}$ at 10,000 psf	≥ 1.0
TESTING FREQUENCY	1 per 200,000 ft^2 [4]			1 per 500,000 ft^2 [4]		1 per 200,000 ft^2 [4]			1 per 100,000 ft^2 [4]		

GEOCOMPOSITE ROLL NUMBER	LOT NO.	CQA TEST RESULTS								MQC TEST RESULTS			PASS/FAIL (P/F)	
													CQA	MQC
131204937	CB26020803	8.5	243	84	0.21	1.94	$5.1x10^{-3}$	$3.0x10^{-3}$	1.4	$4.7x10^{-3}$	$2.6x10^{-3}$	1.1	P	P
131205378	CTB610551	9.6	258	111			$5.7x10^{-3}$	$9.9x10^{-3}$	1.0	$4.6x10^{-3}$	$3.2x10^{-3}$	1.1	P	P
131205456	CTB610560	8.5	247	95			$4.5x10^{-3}$	$3.1x10^{-3}$	2.5	$6.3x10^{-3}$	$2.6x10^{-3}$	3.0	P	P
131216705	CB26061202									$9.1x10^{-3}$	$3.0x10^{-3}$	2.0		P
131216655		8.7	264	119			$8.5x10^{-3}$	$4.6x10^{-3}$	4.1	$6.1x10^{-3}$	$3.0x10^{-3}$	2.3	P	P
131216702		9.0	275	116			$9.7x10^{-3}$	$5.6x10^{-3}$	3.1				P	
131216755										$7.1x10^{-3}$	$2.2x10^{-3}$	2.7		P

Notes:

[1] Smaller of top and bottom average mass per unit area

[2] Smaller of average value in machine or cross-machine direction.

[3] Smaller of top and bottom average peel strength.

[4] A minimum of 1 test per lot was required.

Average Roll Area:	2,100	ft^2
Total No. of Rolls:	251	
Total Area of Rolls:	527,100	ft^2

Table 5-4B

MQC TEST RESULTS FOR GEOTEXTILE USED TO MANUFACTURE PRIMARY GEOCOMPOSITE (GSE)

PROPERTY	Mass per Unit Area (oz/yd^2)	Grab Strength [1] (lb)	Trapezoidal Tear Strength [1] (lb)	Puncture Strength (lb)	Mullen Burst Strength, (psi) or CBR Puncture Strength, (lb)[2]		Apparent Opening Size (mm)	Permittivity (sec^{-1})
TEST STANDARD	ASTM D 5261	ASTM D 4632	ASTM D 4533	ASTM D 4833	ASTM D 3786 (Burst Strength)	ASTM D 6241 (CBR)	ASTM D 4751	ASTM D 4491
PROJECT SPECS.	≥ 8	≥ 180	≥ 75	≥ 75	≥ 350	≥ 449	≤ 0.21	≥ 0.5
TESTING FREQUENCY	1 per 100,000 ft^2				1 per 250,000 ft^2			

GEOTEXTILE ROLL NUMBER	TEST RESULTS								PASS/FAIL (P/F)
130210597	8.9	260	124	157	532		0.18	1.9	
130212541	9.1	227	116	139	392		0.18	1.5	P
130212542	8.2	227	116	135	392		0.18	1.5	P
130212546	9.3	253	106	138	424		0.18	1.5	P
130212573	9.4	272	125	144	410		0.18	1.6	P
130212581	9.1	251	110	144	390		0.18	1.6	P
130212584	9.5	264	161	162	460		0.18	1.6	P
130212599	8.5	263	118	147	410		0.18	1.6	P
130212602	9	253	124	138	420		0.18	1.6	P
130212604	9	253	124	146	420		0.18	1.6	P
130212606	8.6	241	118	134	412		0.18	1.6	P
130212609	8.8	241	118	132	412		0.18	1.6	P
130212610	8.6	263	116	150	404		0.18	1.6	P
130212613	9	263	116	163	404		0.18	1.6	P
130212620	9.2	248	105	136	390		0.18	1.6	P
130212626	8.4	262	118	131	402		0.18	1.7	P
130212629	8.8	262	118	154	402		0.18	1.7	P
130212631	8.6	248	116	133	414		0.18	1.7	P
130214553	8.6	256	110	152	462		0.18	1.9	P
130214571	8.9	225	98	156	396		0.18	2.2	P
130214587	8.6	265	132	158	492		0.18	2.2	P
130214590	9.2	265	132	129	492		0.18	2.2	P
130214678	9	239	103	144	506		0.18	2	P
2006937475	8.6	281	120	142	517		0.21	0.7	P
2006937480	8.8	236	96	145	430		0.21	2.4	P
2006894169	10.5	326	105	175	520		0.21	2.4	P
2006894172	9.8	305	123	169	504		0.21	2.4	P
2006894182	9.6	282	118	172	509		0.21	2.4	P
2006894198	9.0	247	102	153	484		0.21	2.4	P
2006894255	9.4	291	112	166	474		0.21	2.4	P
2006903431	8.6	277	136	163	469		0.21	2.4	P
2006937538	10.4	310	113	175	511		0.21	2.4	P

Note:

[1] Smaller value in machine and cross-machine directions.

[2] A frequnecy of 1 per 250,000 ft^2 was accepted.

Table 5-4C

MQC TEST RESULTS FOR GEONET USED TO MANUFACTURE PRIMARY GEOCOMPOSITE (GSE)

PROPERTY	Polymer Density (g/cm^3)	Carbon Black Content (%)	Thickness (mil)
TEST STANDARD	ASTM D 1505	ASTM D 1603	ASTM D 5199
PROJECT SPECS.	≥ 0.93	2 to 3	≥ 200
TESTING FREQUENCY	1 per 100,000 ft^2		

GEONET ROLL NUMBER	LOT NO.	TEST RESULTS			PASS/FAIL (P/F)
131204937	CB26020803	0.962	2.2	341	P
131204938		0.963	2.2	335	P
131204948		0.963	2.4	334	P
131205374	CTB610551	0.963	2.4	330	P
131205381		0.962	2.9	323	P
131205391		0.964	2.4	326	P
131205401		0.962	2.4	321	P
131205413	CTB610560	0.964	2.4	319	P
131205421		0.962	2.5	317	P
131205431		0.962	2.4	339	P
131205441		0.963	2.4	321	P
131205453		0.964	2.4	310	P
131205463		0.962	2.5	314	P
131205473		0.964	2.5	316	P
131216655	CB26061202	0.962	2.6	342	P
131216656		0.962	2.6	336	P
131216666		0.963	2.5	335	P
131216676		0.963	2.4	339	P
131216686		0.961	2.3	333	P
131216696		0.962	2.6	341	P
131216706		0.962	2.4	336	P
131216716		0.962	2.5	336	P
131216726		0.962	2.5	333	P
131216736		0.962	2.5	334	P
131216746		0.962	2.4	336	P
131216756		0.962	2.5	335	P

Area of Geonet Rolls:		527,100	ft^2
No. of Geonet Rolls Tested:		26	
Test Frequency:	1 per	20,273	ft^2

Table 5-5A

CQA AND MQC TEST RESULTS FOR SECONDARY GEOCOMPOSITE (GSE)

	CONSTRUCTION QUALITY ASSURANCE (CQA)							MANUFACTURING QUALITY CONTROL (MQC)	
	GEOTEXTILE					GEOCOMPOSITE		GEOCOMPOSITE	
PROPERTY	Mass per Unit Area [1] (oz/yd^2)	Grab Strength [2] (lb)	Trapezoidal Tear Strength [2] (lb)	Apparent Opening Size (mm)	Permittivity (sec^{-1})	Transmissivity (m^2/sec)	Peel Strength [3] (lb/in)	Transmissivity (m^2/sec)	Peel Strength [3] (lb/in)
TEST STANDARD	ASTM D 5261	ASTM D 4632	ASTM D 4533	ASTM D 4751	ASTM D 4491	ASTM D 4716	ASTM F 904	ASTM D 4716	GRI GC7
PROJECT SPECS.	≥ 8	≥ 180	≥ 75	≤ 0.21	≥ 0.5	≥ $5.0x10^{-4}$ at 500 psf; ≥ $1.5x10^{-4}$ at 13,500 psf	≥ 1.0	≥ $5.0x10^{-4}$ at 500 psf; ≥ $1.5x10^{-4}$ at 13,500 psf	≥ 1.0
TESTING FREQUENCY	1 per 200,000 ft^2 [4]			1 per 500,000 ft^2 [4]		1 per 200,000 ft^2 [4]		1 per 100,000 ft^2 [4]	

GEOCOMPOSITE ROLL NUMBER	LOT NO.	TEST RESULTS								TEST RESULTS			PASS/FAIL (P/F)	
													CQA	MQC
131202749	CSN610751									Fails	Fails			F
131202774	CSN610751									$5.0*10^{-3}$	$3.6*10^{-4}$			P
131202782	CSN610751	9.1	255	89	0.16	1.62	$6.1x10^{-3}$	$9.2x10^{-4}$	3.1				P	
131216578	CB26061202	8.8	277	112			$2.9x10^{-3}$	$8.0x10^{-4}$	1.2	$2.9x10^{-3}$	$3.1x10^{-4}$	2.1	p	P
131217016	C060605A06	9.1	308	134			$2.4*10^{-3}$	$2.8*10^{-4}$	1.9	$2.2x10^{-3}$	$2.3x10^{-4}$	2.0	P	P
131217046	C060605A06									$3.0x10^{-3}$	$2.3x10^{-4}$	2.5		P
131217952	CTF610460	8.4	250	112	0.14	1.3	$2.4x10^{-3}$	$5.1x10^{-4}$	1.2				P	
131217987	CTF610460									Not Tested [5]	$4.5x10^{-4}$	2.8		P
131218017	CTF610460									$5.3x10^{-3}$	$2.0x10^{-4}$	2.2		P
131219105	C060615A03	8.4	239	104			$3.4x10^{-3}$	$5.4x10^{-4}$	2.5	$5.3x10^{-3}$	$1.1x10^{-3}$	2.5	P	P
131219991	CB26070604	8.6	243	87			$5.0x10^{-3}$	$3.6x10^{-4}$	1.2	$4.0x10^{-3}$	$7.4x10^{-4}$	1.5	P	P

Notes:

[1] Smaller of top and bottom average mass per unit area.

[2] Smaller of average value in machine or cross-machine direction.

[3] Smaller of top and bottom peel strength.

[4] A minimum of 1 test per lot was required.

[5] Specimen was tested at 13,500 psf but accepted because it exceeded the required transmissivty at 500 psf

Average Roll Area:	2,755	ft^2
Total No. of Rolls:	198	
Total Area of Rolls:	545,490	ft^2

Table 5-5B

MQC TEST RESULTS FOR GEOTEXTILE USED TO MANUFACTURE SECONDARY GEOCOMPOSITE (GSE)

PROPERTY	Mass per Unit Area (oz/yd^2)	Grab Strength [1] (lb)	Trapezoidal Tear Strength [1] (lb)	Puncture Strength (lb)	Burst Strength (lb/in^2)	Apparent Opening Size (mm)	Permittivity (sec^{-1})
TEST STANDARD	ASTM D 5261	ASTM D 4632	ASTM D 4533	ASTM D 4833	ASTM D 3786	ASTM D 4751	ASTM D 4491
PROJECT SPECS.	≥ 8	≥ 180	≥ 75	≥ 75	≥ 350	≤ 0.21	≥ 0.5
TESTING FREQUENCY	1 per 100,000 ft^2					1 per 250,000 ft^2	

GEOTEXTILE ROLL NUMBER	TEST RESULTS							PASS/FAIL (P/F)
130209121	8.2	232	121	123	428	0.18	1.6	P
130209142	8.9	258	110	139	400	0.18	1.8	P
130210585	8.8	257	149	158	536	0.18	1.9	P
130210586	9.2	257	149	158	536	0.18	1.9	P
130210702	9.6	280	133	183	536	0.18	1.8	P
130211231	9.1	253	122	175	524	0.18	2.0	P
130211241	9.1	247	114	134	450	0.18	1.6	P
130211242	8.8	244	104	149	484	0.18	1.6	P
130212524	9.1	271	120	164	406	0.18	1.5	P
130212558	8.3	248	104	134	406	0.18	1.8	P
130212560	8.8	248	104	129	406	0.18	1.8	P
130212568	9.0	249	112	142	396	0.18	1.8	P
130212569	9.0	249	112	142	396	0.18	1.8	P
30049557	8.5	233	102	135	427	0.2	1.5	P
30049559	8.5	233	102	135	427	0.2	1.5	P
30049561	8.2	227	97	131	431	0.2	1.5	P
30049565	8.5	229	97	131	431	0.2	1.5	P
3001897.3	8.6	247	118	130	443	0.2	1.7	P
300189708	8.6	247	118	130	443	0.2	1.7	P
300189712	9.0	262	118	147	492	0.2	1.7	P
300189714	9.0	262	118	147	492	0.2	1.7	P

Note:
[1] Smaller value in machine or cross-machine direction.

Table 5-5B (continued)

MQC TEST RESULTS FOR GEOTEXTILE USED TO MANUFACTURE SECONDARY GEOCOMPOSITE (GSE)

PROPERTY	Mass per Unit Area (oz/yd^2)	Grab Strength [1] (lb)	Trapezoidal Tear Strength [1] (lb)	Puncture Strength (lb)	Burst Strength (lb/in^2)	Apparent Opening Size (mm)	Permittivity (sec^{-1})
TEST STANDARD	ASTM D 5261	ASTM D 4632	ASTM D 4533	ASTM D 4833	ASTM D 3786	ASTM D 4751	ASTM D 4491
PROJECT SPECS.	≥ 8	≥ 180	≥ 75	≥ 75	≥ 350	≤ 0.21	≥ 0.5
TESTING FREQUENCY	1 per 100,000 ft^2					1 per 250,000 ft^2	

GEOTEXTILE ROLL NUMBER	TEST RESULTS							PASS/FAIL (P/F)
2006937569	8.4	247	99	148	454	0.21	2.4	P
2006937571	9.7	276	102	148	454	0.21	2.4	P
2006937577	8.8	247	107	148	437	0.21	2.4	P
2006937692	8.3	259	127	157	451	0.21	2.4	P
2006937518	9.0	257	146	164	511	0.15	2.4	P
2006894179	9.8	305	123	169	504	0.21	2.4	P
2006894193	9.0	247	102	153	484	0.21	2.4	P
2006894203	8.9	234	101	160	510	0.21	2.4	P
2006894250	9.4	291	112	166	474	0.21	2.4	P
2006903424	9.1	276	122	167	490	0.21	2.4	P
2006903412	9.4	320	133	163	536	0.21	2.4	P
2006903460	8.6	291	118	157	507	0.21	2.3	P
2006937527	8.8	272	110	166	505	0.21	2.3	P
2006937533	10.4	310	113	175	511	0.21	2.3	P
2006937535	10.4	310	113	175	511	0.21	2.3	P
2006946881	9.6	283	114	157	451	0.21	2.3	P
2006937633	8.6	265	149	170	483	0.15	0.7	P
2006937641	8.7	280	121	157	453	0.15	0.7	P
2006937598	8.9	275	109	155	426	0.15	0.7	P
2006937607	8.4	245	103	135	429	0.15	0.7	P
2006937608	8.8	247	107	148	437	0.15	0.7	P
2006937615	9.5	268	154	170	483	0.15	0.7	P
130225858	8.6	246	114	149	450	0.18	2.0	P
130225862	8.1	229	100	146	446	0.18	2.0	P
130225864	8.5	221	103	134	420	0.18	2.0	P
130225871	8.3	228	110	155	432	0.18	2.0	P
130225875	8.5	246	111	158	504	0.18	2.0	P
130225876	8.4	224	106	136	434	0.18	2.0	P

Note:
[1] Smaller value in machine or cross-machine direction.

Table 5-5C

MQC TEST RESULTS FOR GEONET USED TO MANUFACTURE SECONDARY GEOCOMPOSITE (GSE)

PROPERTY	Polymer Density (g/cm^3)	Carbon Black Content (%)	Thickness (mil)
TEST STANDARD	ASTM D 1505	ASTM D 1603	ASTM D 5199
PROJECT SPECS.	≥ 0.93	2 to 3	≥ 200
TESTING FREQUENCY	1 per 100,000 ft^2		

GEONET ROLL NUMBER	LOT NO.	TEST RESULTS			PASS/FAIL (P/F)
131202741	CNS610751	0.963	2.4	263	P
131202749		0.963	2.4	258	P
131202768		0.963	2.5	259	P
131202769		0.963	2.3	251	P
131202779		0.964	2.5	263	P
131202795		0.963	2.4	260	P
131216578	CB26061202	0.963	2.6	266	P
131216579		0.963	2.5	268	P
131217016	C060605A06	0.962	2.5	262	P
131217027		0.963	2.5	261	P
131217037		0.963	2.5	264	P
131217047		0.963	2.5	263	P
131217057		0.962	2.8	261	P
131217067	CTF610450	0.964	2.4	263	P
131217952		0.965	2.4	263	P
131217953		0.965	2.4	264	P
131217963		0.965	2.4	268	P
131217977		0.965	2.2	271	P
131217978		0.963	2.3	282	P
131217988		0.962	2.3	274	P
131218008		0.963	2.3	271	P
131218018		0.964	2.3	270	P
131219105	C060615A03	0.963	2.4	290	P
131219106		0.963	2.4	292	P
131219116		0.962	2.3	294	P
131219126		0.966	2.3	297	P
131219991	CB26070604	0.964	2.4	284	P
131219992		0.963	2.3	290	P
131220002		0.965	2.4	290	P
131220012		0.963	2.3	288	P

Area of Geonet Rolls:	545,490	ft^2
No. of Geonet Rolls Tested:	30	
Test Frequency: 1 per	18,183	ft^2

Table 5-6

CQA AND MQC TEST RESULTS FOR NON-WOVEN GEOTEXTILE (SKAPS)

	CONSTRUCTION QUALITY ASSURANCE (CQA)							MANUFACTURING QUALITY CONTROL (MQC)					
PROPERTY	Mass per Unit Area (oz/yd^2)	Grab Strength[1] (lb)	Trapezoidal Tear Strength[1] (lb)	Puncture Strength (lb)	Burst Strength (lb/in^2)	Apparent Opening Size (mm)	Permittivity (sec^{-1})	Mass per Unit Area (oz/yd^2)	Grab Strength[1] (lb)	Trapezoidal Tear Strength[1] (lb)	Puncture Strength (lb)	Apparent Opening Size (mm)	Permittivity (sec^{-1})
TEST STANDARD	ASTM D 5261	ASTM D 4632	ASTM D 4533	ASTM D 4833	ASTM D 3786	ASTM D 4751	ASTM D 4491	ASTM D 5261	ASTM D 4632	ASTM D 4533	ASTM D 4833	ASTM D 4751	ASTM D 4491
PROJECT SPECS.	≥ 8	≥ 180	≥ 75	≥ 75	≥ 350	≤ 0.21	≥ 0.5	≥ 8	≥ 180	≥ 75	≥ 75	≤ 0.21	≥ 0.5
TESTING FREQUENCY	1 per 100,000 ft^2					1 per 500,000 ft^2		1 per 100,000 ft^2				1 per 250,000 ft^2	

ROLL NUMBER	CQA SAMPLE ID	CQA TEST RESULTS							MQC TEST RESULTS						PASS/FAIL (P/F)	
															CQA	MQC
410003941									8.41	213	94	135	0.2	1.47		P
410003952									8.33	206	87	133	0.2	1.47		P
410003957	E2274-05-05	7.82	218	68	114	335	0.09	1.64	8.45	209	87	133	0.2	1.47	P	P
410005957									8.12	207	89	139	0.2	1.53		P

Note:
1 Smaller value in machine or cross-machine direction.

Total No. of Rolls: 9
Total Area of Rolls: 40,500 ft^2

Figure 5-1
Peak Shear Strengths from Conformance Interface Friction Tests

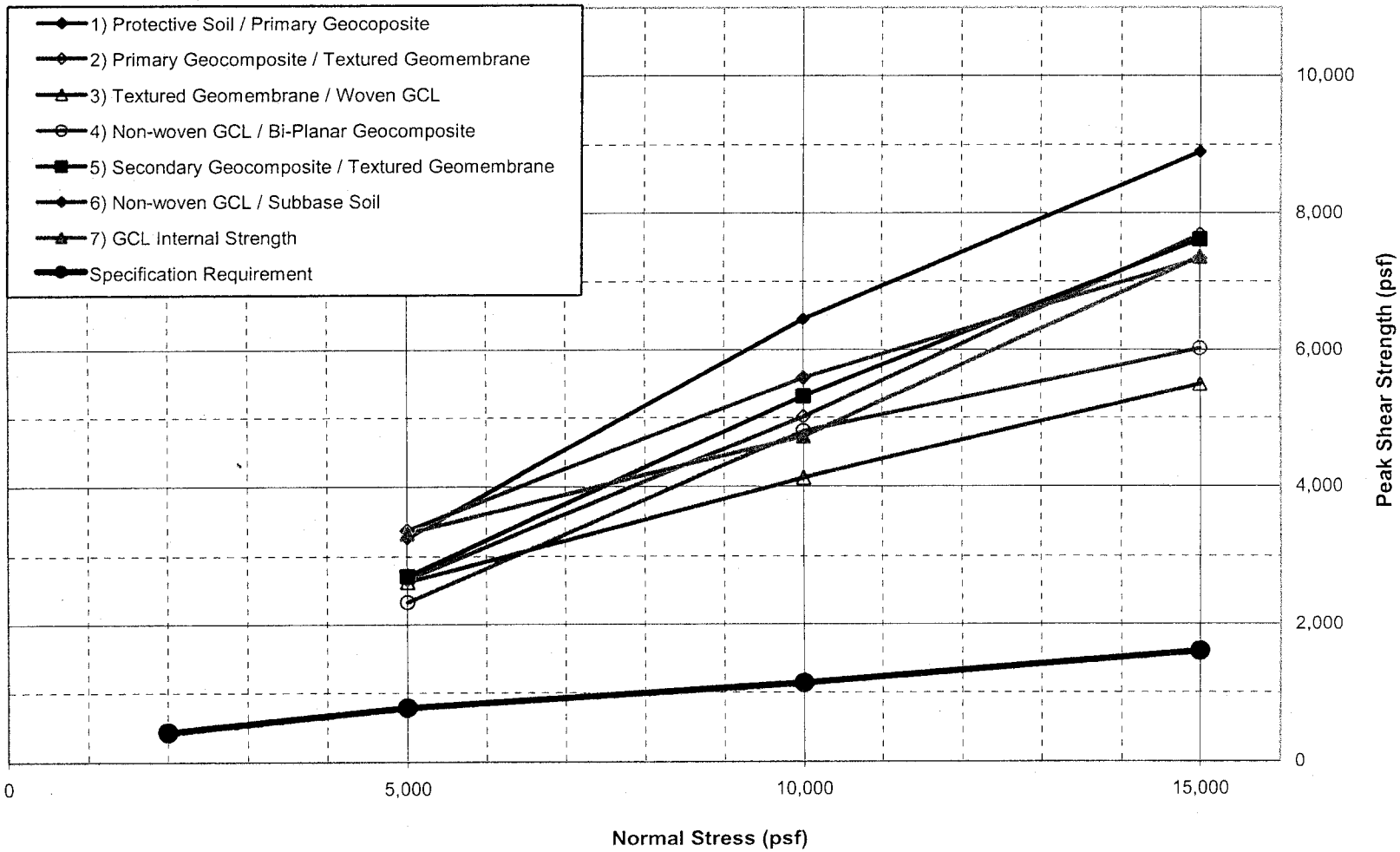
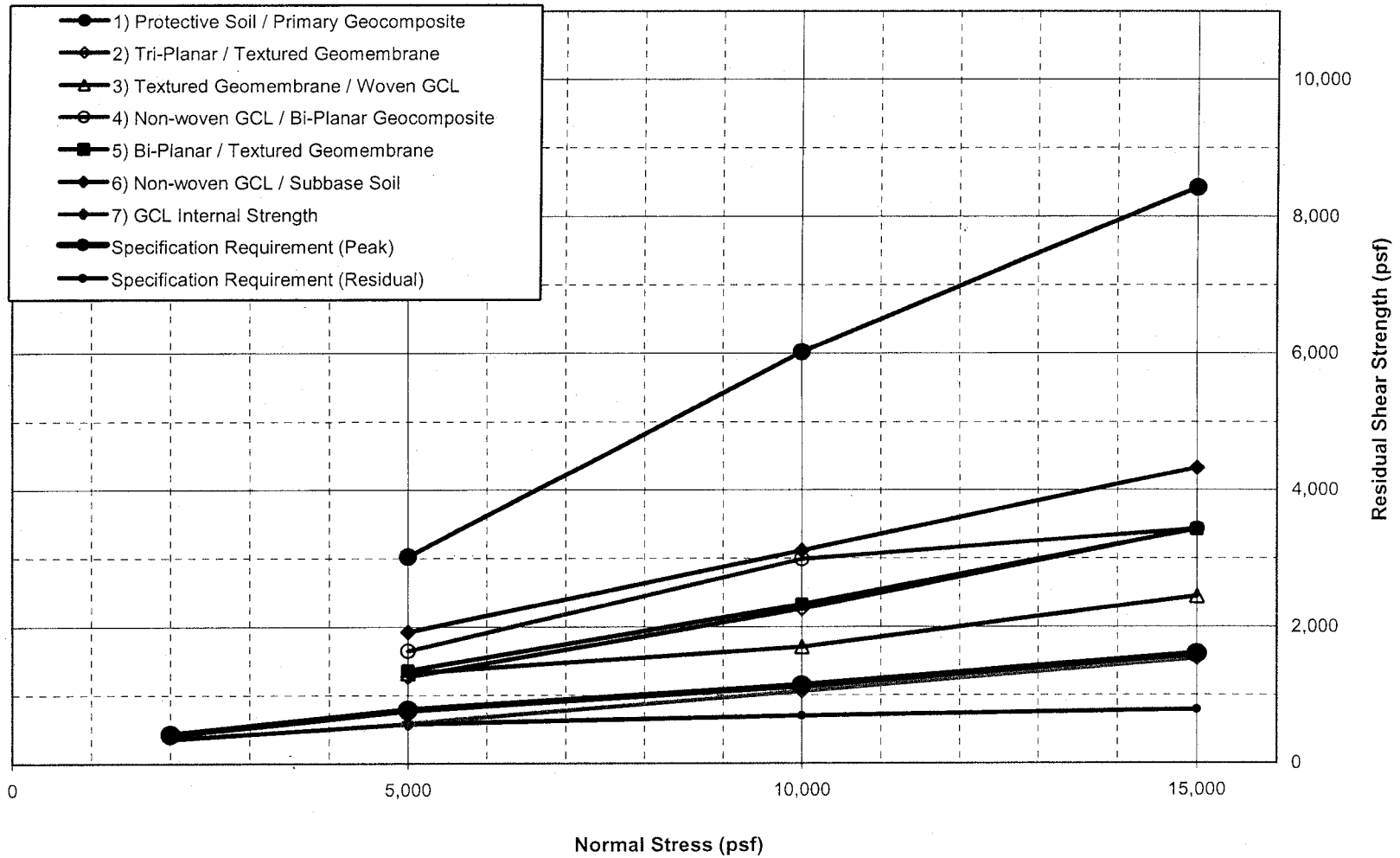


Figure 5-2
Residual Shear Strengths from Conformance Interface Friction Tests



6. CONSTRUCTION QUALITY ASSURANCE -- LEACHATE COLLECTION SYSTEM

6.1 General

The leachate management system is comprised of the leachate collection, transmission, and storage systems. The construction of the initial leachate transmission and storage systems for Phase 1 development of the OHDF landfill was detailed in Cell 1A Certification Report. This section only includes CQA activities performed during construction of the leachate collection system in Cell 3.

The leachate collection system in Cell 3 consists of a primary and a secondary leachate collection system. The primary leachate collection system included 6-in diameter SDR 11 HDPE perforated leachate collection pipe surrounded by gravel aggregate and geotextile filter fabric at the toe of the perimeter berms on the north and east sides of Cell 3. An additional leachate collection drain pipe (6-in diameter and SDR 11 HDPE) was provided in the center of Cell 3 floor to reduce the longest drainage path. The primary geocomposite drain layer was discontinued at the central leachate collection drain to force the leachate collected in west half of Cell 3 into the central leachate collection drain. To protect the ends of primary geocomposite drainage layer on either side of the central leachate collection drain, an additional geotextile was overlapped and tack welded to the surface of the primary geocomposite. The leachate collection pipe was provided with two rows of ½-in perforations in the bottom 1/3 of the pipe section. Granular drainage materials meeting the requirements of #4 stone (per ASTM D 448) was used as the gravel aggregate. An 8-oz/yd^2 needle-punched, non-woven geotextile was used as the filter fabric. Four (4) cleanouts were installed along the inside slope of the perimeter berm in Cell 3 to maintain the leachate collection system piping. The cleanouts were constructed using 6-in diameter SDR 11 HDPE pipe and were finished with a blind flange. The secondary leachate collection system included an additional 6-ft wide secondary geocomposite layer at the toe of the perimeter berm on the north and east sides of Cell 3.

The Cell 3 sump included gravel beds covered with geotextile separator fabric and three sump risers. The gravel beds for the primary and secondary sumps were separated by the primary liner system. Granular drainage materials meeting the requirements for #4 stone (per ASTM D 448) were used in the 1.5-ft to 3-ft thick drainage beds. The drainage beds were separated from the overlying liner protective layer by an 8-oz/yd^2 needle-punched, non-woven geotextile separator fabric. Two primary and one secondary sump risers were installed in the Cell 3 sump. The sump risers were constructed using 48-in diameter SDR 32.5 HDPE pipe and included a 1.5-in thick base plate and a bolted flanged top lid. Each sump riser was provided with perforations in the bottom 1-ft and a 20-ft long, 8-in diameter, SDR 11 HDPE perforated collection pipe. The primary sump

risers were connected to the secondary sump riser using a 3-in diameter SDR 11 HDPE overflow pipe with a 3-in gate valve in accordance with the Construction Drawings.

The Cell 3 sump area included a 2-ft thick compacted low permeability soil layer below the geosynthetic layers. The low permeability soil layer was placed, compacted, and tested during the construction of the landfill perimeter berms as part of the Cell 1 construction as discussed in Cell 1A Certification Report. The top surface of the low permeability soil layer was initially over-built to shed water. The top surface of the low permeability layer was only graded as part of the Cell 3 construction. The geosynthetics in the sump area were installed as discussed in Section 5.

Leachate from Cell 3 will be collected in the leachate collection system at the toe of the perimeter berm, along the toe of the Cell 2/Cell 3 intercell berm, and along the center of Cell 3, and will gravity flow to the Cell 3 sump. Leachate will be pumped from the sump risers through the leachate transmission line to the leachate storage area. To control the pumping and transfer of leachate, a sump control panel was installed as part of the leachate system in Cell 3.

GeoSyntec's CQA personnel monitored the construction of the leachate collection system. The field monitoring and testing activities performed by the CQA personnel during construction of the leachate collection system are discussed below. After construction of the leachate collection system was complete, the collection pipe was flushed out by pumping water from a water truck into the cleanout pipes located furthest from the sump. This ensured that the leachate collection system piping was free flowing.

6.2 HDPE Pipe

All pipes used in the construction of the leachate collection system were SDR 11 HDPE pipes except for the sump risers, which were constructed using SDR 32.5 HDPE pipes. The MQC certificates for the HDPE pipes were reviewed by the CQA personnel and were found to be in compliance with the requirements of the CQA Documents.

HDPE pipe sections were joined using butt-fusion welding and electro fusion coupler techniques. CQA personnel periodically monitored the butt-fusion welding techniques to ensure that industry-accepted procedures were used during construction. CQA personnel also verified the diameter of and perforation details (size, number of rows, orientation) for the different pipes used in the leachate collection system.

6.3 Granular Drainage Materials

Granular drainage materials meeting the requirements of #4 stone (per ASTM D 448) were used in Cell 3 leachate collection system and the leachate sump. The #4 stone was supplied by Conrad Yelvington, Florida.

The QC certificates and test results were reviewed by CQA personnel and were found to be in compliance with the CQA Documents. The hydraulic conductivity (per ASTM D 2434) of the #4 stone was measured to be 59 cm/sec, which exceeded the CQA Documents requirement of 10 cm/sec. A carbonate content test (per ASTM D 3042) was also performed on the #4 stone granular drainage materials during the QC testing. The #4 stone used in construction of the leachate collection system was found to be almost insoluble (less than 2 percent soluble) to 6N hydrochloric acid used in the test.

CQA personnel periodically monitored the placement of the granular drainage material to ensure (i) the underlying geosynthetics were not damaged; (ii) the perforated pipes were properly surrounded by the drainage materials and the geotextile; and (iii) the drainage materials were placed in accordance with the requirements of the CQA Documents.

6.4 Pressure Testing

The leachate transmission line between the Cell 3 sump and leachate transmission manhole no. 3 (MH-3) was pressure tested to detect any leaks or defective pipe joints.

The hydrostatic pressure testing was performed by pressurizing the pipe using the sump pump. The leachate transmission line segment was filled with water and pressurized. The hydrostatic pressure was maintained for at least 1 hour. No drop in the hydrostatic pressure was observed.

6.5 Sump Pumps and Control Panel

Leachate collected in the leachate sumps will be extracted and pumped to the leachate storage area by two 7.5-hp electric Tsurumi dewatering pumps located in the primary sump risers and one 2-hp electric Tsurumi dewatering pump located in the secondary sump riser. The pumps are controlled by a control panel located at the Cell 3 sump near the top of the sump risers. The sump pumps and the associated control panel were supplied by Sligo Systems, Inc. (Sligo), Ormond Beach, Florida.

The following tests were performed after installation of the pumps and control system at the Cell 3 sump area to confirm proper operation of the pumps and pump control panel.

- Sump pumps were tested in place by flooding the Cell 3 sump. Each pump was connected to a piping assembly containing a pressure gauge, meter valve, and a flow meter. The pumps were turned on and the pressure and flow rate of each pump was recorded. The pressure and flow rate data for each pump was compared to the pump curves provided by Sligo;

- Transducer settings were checked to confirm that the pumps and alarms were activating correctly; and
- The installed system components were visually checked for compliance with the requirements of the project documents.

7. CONSTRUCTION QUALITY ASSURANCE - OTHER CONSTRUCTION ACTIVITIES

7.1 Overview

GeoSyntec provided CQA monitoring, testing and documentation for miscellaneous activities associated with the development and ongoing operation of the OHDF. The CQA activities included monitoring of:

- construction of Cell 3 maintenance road.

The results of the density tests for the Cell 3 maintenance road are not included in this certification report but will be made available upon request.

7.2 Construction of Cell 3 Maintenance Road

Limerock was placed as the base course for the Cell 3 maintenance road. A 10-inch thick layer of limerock base course was placed and compacted on top of the landfill perimeter berm on the east side of Cell 3.

The limerock for the project was supplied by Rinker in Orlando, Florida. CQA personnel periodically monitored the placement and compaction of the limerock base course and ensured compliance with the CQA Documents. The limerock was placed in two lifts and compacted in accordance with the CQA Documents. CQA personnel measured the density and percent compaction of the limerock base course at a frequency of one test per 200 linear feet per lift in accordance with the CQA Documents.

8. CONCLUSIONS

Observation of the construction of Cell 3 at the OHDF was performed by GeoSyntec during the period of 2 May 2006 to 19 October 2006. During this time, CQA personnel monitored the installation of the following components of Cell 3:

- earthwork (Cell 3 subgrade, liner subbase, intercell berms, sump area, grading of low permeability soil layer in sump, and protective soil layer);
- geosynthetics in Cell 3;
- leachate collection system (Cell 3 leachate collection system and leachate sump)

During construction of the above components, CQA personnel verified that performance and conformance testing was performed at the frequencies required by the CQA Documents and that the installation met or exceeded the requirements of the CQA Documents. CQA personnel also verified that conditions or materials identified as not conforming to the CQA Plan were replaced, repaired, and/or retested, as described in this report.

The results of the CQA activities undertaken by GeoSyntec as described in this report indicate that Cell 3 was constructed in accordance with the CQA Documents and the solid waste permit issued for the OHDF.

Kirk Wills
CQA/Project Manager

Ayushman Gupta, P.E.
CQA Engineer-of-Record
30 OCT 2006

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 2922)**

PROJECT: J.E. D SOLID WASTE FACILITY

LOCATION: OSCEOLA COUNTY FLORIDA

DESCRIPTION: CELL 3 CONSTRUCTION PROJECT NO.: FQ 0952 TASK NO.: 1

DATE: 31 Day JANUARY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: Borrow Area B3 MATERIAL TYPE Brn Med Fine Sand CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID RH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FIELD TEST RESULTS								
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	RETEST PASS	RETEST FAIL
GF	1	25' E /25' N of S Limits	8	1	GF-2-5	14.0	105.0	11.6	114.1	102.2	97.4%	PASS				
GF	2	25' E /75' N of S Limits	8	1	GF-2-5	14.0	105.0	15.4	114.1	98.9	94.2%		FAIL	GF-51	PASS	
GF	3	25' E /125' N of S Limits	8	1	GF-2-5	14.0	105.0	10.6	112.4	101.6	96.8%	PASS				
GF	4	25' E /150' N of S Limits	8	1	GF-2-5	14.0	105.0	12.8	109.2	96.8	92.2%		FAIL	GF-52	PASS	
GF	5	25' E/ 200' N of S Limits	8	1	GF-2-5	14.0	105.0	6.6	107.9	101.2	96.4%	PASS				
GF	6	75' E /250" N of S Limits	8	1	GF-2-5	14.0	105.0	8.9	108.8	99.9	95.2%	PASS				
GF	7	75' E /200' N of S Limits	8	1	GF-2-5	14.0	105.0	10.3	108.0	97.9	93.3%		FAIL	GF-53	PASS	
GF	8	75' E /150' N of S Limits	8	1	GF-2-5	14.0	105.0	11.4	117.3	105.3	100.3%	PASS				
GF	9	75' E /150' N of S Limits	8	1	GF-2-5	14.0	105.0	15.8	117.3	101.3	96.5%	PASS				
GF	10	75' E /50' N of S Limits	8	1	GF-2-5	14.0	105.0	11.1	112.0	100.8	96.0%	PASS				
GF	11	25' E /25' N of S Limits	8	1	GF-2-5	14.0	105.0	11.1	114.8	103.3	98.4%	PASS				
GF	12	25' E /75' N of S Limits	8	1	GF-2-5	14.0	105.0	11.2	117.9	106.0	101.0%	PASS				
GF	13	25' E /125' N of S Limits	8	1	GF-2-5	14.0	105.0	12.6	118.5	105.2	100.2%	PASS				
GF	14	25' E /150' N of S Limits	8	1	GF-2-5	14.0	105.0	12.9	119.2	105.6	100.6%	PASS				
GF	15	125' E /225' N of S Limits	8	1	GF-2-5	14.0	105.0	8.7	108.4	99.7	95.0%	PASS				

COMMENTS: Density test failures were reworked and retested same day.

GeoSyntec Consultants

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG

(ASTM D 3017 AND ASTM D 2922)

PROJECT: J.E. D SOLID WASTE FACILITY

LOCATION: OSCEOLA COUNTY FLORIDA

DESCRIPTION: CELL 3 CONSTRUCTION

PROJECT NO.: FQ 0952 TASK NO.: 1

DATE: 31 Day JANUARY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: Borrow Area B3 MATERIAL TYPE BRN.FINE SAND CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID RH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FIELD TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	16	100' E /150' N of S Limits	8	1	GF-2-5	14.0	105.0	10.1	108.2	98.3	93.6%		FAIL	GF-54	PASS	
GF	17	100' E /75' N of S Limits	8	1	GF-2-5	14.0	105.0	13.4	108.6	95.8	91.2%		FAIL	GF-55	PASS	
GF	18	100' E /25' N of S Limits	8	1	GF-2-5	14.0	105.0	11.3	117.0	105.1	100.1%	PASS				
GF	19	150' E /25' N of S Limits	8	1	GF-2-5	14.0	105.0	13.1	116.4	102.9	98.0%	PASS				
GF	20	150' E /75' N of S Limits	8	1	GF-2-5	14.0	105.0	11.6	115.5	103.5	98.6%	PASS				
GF	21	150' E /125' N of S Limits	8	1	GF-2-5	14.0	105.0	12.8	116.0	102.8	97.9%	PASS				
GF	22	150' E /225' N of S Limits	8	1	GF-2-5	14.0	105.0	9.5	115.3	105.3	100.3%	PASS				
GF	23	200' E /225' N of S Limits	8	1	GF-2-5	14.0	105.0	11.2	118.9	106.9	101.8%	PASS				
GF	24	200' E /150' N of S Limits	8	1	GF-2-5	14.0	105.0	15.8	118.3	102.2	97.3%	PASS				
GF	25	200' E /35' N of S Limits	8	1	GF-2-5	14.0	105.0	10.1	116.6	105.9	100.9%	PASS				
GF	26	250' E /125' N of S Limits	8	1	GF-2-5	14.0	105.0	8.2	110.3	101.9	97.1%	PASS				
GF	27	250' E /50' N of S Limits	8	1	GF-2-5	14.0	105.0	10.0	113.8	103.5	98.5%	PASS				
GF	28	250' E /25' N of S Limits	8	1	GF-2-5	14.0	105.0	10.6	102.5	92.7	88.3%		FAIL	GF-56	PASS	
GF	29	375 E /75' N of S Limits	8	1	GF-2-5	14.0	105.0	7.6	110.0	102.2	97.4%	PASS				
GF	30	275' E /225' N of S Limits	8	1	GF-2-5	14.0	105.0	10.0	115.3	104.8	99.8%	PASS				

COMMENTS: Density test failures were reworked and retested same day. Drive Cylinder sample (DR-1 taken on density test GF-25)

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 2922)**

PROJECT J.E. D SOLID WASTE FACILITY

LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1

DESCRIPTION CELL 3 CONSTRUCTION DATE: 31 Day JANUARY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: Borrow Area B3 MATERIAL TYPE Med Brn. Fine Sand CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID RH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FIELD TEST RESULTS						RETEST NO.	RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL		PASS	FAIL
GF	31	100' E /150' N of S Limits	8	1	GF-2-5	14.0	105.0	12.0	113.7	101.5	96.7%	PASS				
GF	32	100' E /75' N of S Limits	8	1	GF-2-5	14.0	105.0	11.3	115.9	104.1	99.2%	PASS				
GF	33	100' E /25' N of S Limits	8	1	GF-2-5	14.0	105.0	10.2	111.6	101.3	96.4%	PASS				
GF	34	150' E /25' N of S Limits	8	1	GF-2-5	14.0	105.0	8.6	108.6	100.0	95.2%	PASS				
GF	35	150' E /75' N of S Limits	8	1	GF-2-5	14.0	105.0	9.8	110.0	100.2	95.4%	PASS				

COMMENTS:

GeoSyntec Consultants

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 2922)**

PROJECT: J.E. D SOLID WASTE FACILITY

LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1

DESCRIPTION: CELL 3 CONSTRUCTION DATE: 31 Day JANUARY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: Borrow Area B3 MATERIAL TYPE L. Brwn. Fine Sand CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID RH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FILED TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	36	50' S of Cell 2 Limits W	8	1	GF-2-5	14.0	105.0	10.3	110.3	100.0	95.2%	PASS				
GF	37	50' S of Cell 2 Limits SW	8	1	GF-2-5	14.0	105.0	9.5	111.4	101.7	96.9%	PASS				
GF	38	50' S of Cell 2 Limits C	8	1	GF-2-5	14.0	105.0	9.2	109.9	100.6	95.8%	PASS				
GF	39	50' S of Cell 2 Limits-SE	8	1	GF-2-5	14.0	105.0	12.2	113.6	101.2	96.4%	PASS				
GF	40	50' S of Cell 2 Limits-E	8	1	GF-2-5	14.0	105.0	8.3	112.2	103.6	98.7%	PASS				
GF	41	100' S of Cell 4 Limits-E	8	1	GF-2-5	14.0	105.0	7.4	108.1	100.7	95.9%	PASS				
GF	42	100' S of Cell 4 Limits-SE	8	1	GF-2-5	14.0	105.0	11.2	112.2	100.9	96.1%	PASS				
GF	43	100' S of Cell 4 Limits-C	8	1	GF-2-5	14.0	105.0	8.9	110.3	101.3	96.5%	PASS				
GF	44	100' S of Cell 4 Limits-C	8	1	GF-2-5	14.0	105.0	9.9	114.7	104.4	99.4%	PASS				
GF	45	100' S of Cell 4 Limits-SW	8	1	GF-2-5	14.0	105.0	8.1	114.1	105.6	100.5%	PASS				
GF	46	100' S of Cell 4 Limits-W	8	1	GF-2-5	14.0	105.0	8.0	113.4	105.0	100.0%	PASS				
GF	47	150' S of Cell 4 Limits-W	8	1	GF-2-5	14.0	105.0	9.5	112.0	102.3	97.4%	PASS				
GF	48	150' S of Cell 4 Limits-SW	8	1	GF-2-5	14.0	105.0	9.8	111.9	101.9	97.1%	PASS				
GF	49	150' S of Cell 4 Limits-C	8	1	GF-2-5	14.0	105.0	7.8	108.7	100.8	96.0%	PASS				
GF	50	150' S of Cell 4 Limits-C	8	1	GF-2-5	14.0	105.0	8.8	109.0	100.2	95.4%	PASS				

COMMENTS: Cell 3 area was placed using a bridge lift consisted of approximately 18 " of general fill due to being extremely wet during placement.

(Drive Cylinder DR-2 taken on density test GF-50)

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 2922)**

PROJECT J.E. D SOLID WASTE FACILITY
LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1
DESCRIPTION CELL 3 CONSTRUCTION DATE: 31 Day JANUARY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: Borrow Area B3 MATERIAL TYPE L.Brwn fine sand CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID RH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FIELD TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	51	275' E of WDD	8	1	GF-2-5	14.0	105.0	12.7	113.8	101.0	96.2%	PASS				
GF	52	275' E of WDD	8	1	GF-2-5	14.0	105.0	11.6	112.2	100.5	95.8%	PASS				
GF	53	275' E of WDD	8	1	GF-2-5	14.0	105.0	12.0	114.0	101.8	96.9%	PASS				
GF	54	100 E/ 150' N of S Limits	8	1	GF-2-5	14.0	105.0	14.2	115.4	101.1	96.2%	PASS				
GF	55	100 E/ 75' N of S Limits	8	1	GF-2-5	14.0	105.0	13.9	116.0	101.8	97.0%	PASS				
GF	56	250' E/ 25'N of S Limits	8	1	GF-2-5	14.0	105.0	12.7	117.0	103.8	98.9%	PASS				
GF	57	450' E of W.D.D	8	1	GF-2-5	14.0	105.0	11.5	111.7	100.2	95.4%	PASS				
GF	58	450' E of W.D.D	8	1	GF-2-5	14.0	105.0	11.7	115.0	103.0	98.1%	PASS				
GF	59	450' E of W.D.D	8	1	GF-2-5	14.0	105.0	12.9	116.1	102.8	97.9%	PASS				
GF	60	450' E of W.D.D	8	1	GF-2-5	14.0	105.0	13.9	114.8	100.8	96.0%	PASS				
GF	61	450' E of W.D.D	8	1	GF-2-5	14.0	105.0	12.4	113.8	101.2	96.4%	PASS				
GF	62	75' E of Haul Road	8	1	GF-2-5	14.0	105.0	11.0	112.5	101.4	96.5%	PASS				
GF	63	75' E of Haul Road	8	1	GF-2-5	14.0	105.0	10.3	113.0	102.4	97.6%	PASS				
GF	64	75' E of Haul Road	8	1	GF-2-5	14.0	105.0	12.9	113.8	100.8	96.0%	PASS				
GF	65	75' E of Haul Road	8	1	GF-2-5	14.0	105.0	9.9	111.8	101.7	96.9%	PASS				

COMMENTS: W.D.D.= West Drainage Ditch HR=West Haul Raod

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 2922)**

PROJECT: J.E. D SOLID WASTE FACILITY
LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1
DESCRIPTION: CELL 3 CONSTRUCTION DATE: 31 Day JANUARY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: Borrow Area B3 MATERIAL TYPE Lt.Brwn fine sand CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID RH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FIELD TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	66	75' E of Haul Road	8	1	GF-2-5	14.0	105.0	11.0	111.7	100.6	95.8%	PASS				
GF	67	125' E of Haul Road	8	1	GF-2-5	14.0	105.0	12.1	116.0	103.5	98.6%	PASS				
GF	68	125' E of Haul Road	8	1	GF-2-5	14.0	105.0	14.8	116.9	101.8	97.0%	PASS				
GF	69	125' E of Haul Road	8	1	GF-2-5	14.0	105.0	13.8	115.4	101.4	96.6%	PASS				
GF	70	125' E of Haul Road	8	1	GF-2-5	14.0	105.0	12.9	114.8	101.7	96.8%	PASS				
GF	71	125' E of Haul Road	8	1	GF-2-5	14.0	105.0	11.4	113.3	101.7	96.9%	PASS				
GF	72	225' E of Haul Road	8	1	GF-2-5	14.0	105.0	10.3	112.7	102.2	97.3%	PASS				
GF	73	225' E of Haul Road	8	1	GF-2-5	14.0	105.0	13.0	115.5	102.2	97.3%	PASS				
GF	74	225' E of Haul Road	8	1	GF-2-5	14.0	105.0	12.6	113.6	100.9	96.1%	PASS				
GF	75	225' E of Haul Road	8	1	GF-2-5	14.0	105.0	12.8	114.8	101.8	96.9%	PASS				
GF	76	225' E of Haul Road	8	1	GF-2-5	14.0	105.0	12.9	112.9	100.0	95.2%	PASS				
GF	77	325' E of Haul Road	8	1	GF-2-5	14.0	105.0	12.5	112.9	100.4	95.6%	PASS				
GF	78	325' E of Haul Road	8	1	GF-2-5	14.0	105.0	12.5	113.4	100.8	96.0%	PASS				
GF	79	325' E of Haul Road	8	1	GF-2-5	14.0	105.0	11.6	114.1	102.2	97.4%	PASS				
GF	80	325' E of Haul Road	8	1	GF-2-5	14.0	105.0	10.5	111.7	101.1	96.3%	PASS				

COMMENTS: W.D.D.= West Drainage Ditch HR=West Haul Raod
Drive Clinder (DR-3) taken on density test GF-75

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 2922)**

PROJECT J.E. D SOLID WASTE FACILITY

LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1

DESCRIPTION CELL 3 CONSTRUCTION DATE: 31 Day JANUARY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: Borrow Area B3 MATERIAL TYPE Lt.Brwn.Fine Sand CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID RH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FIELD TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	81	325' E of Haul Road	8	1	GF-2-5	14.0	105.0	9.9	110.5	100.5	95.8%	PASS				
GF	82	325' E of Haul Road	8	1	GF-2-5	14.0	105.0	10.2	111.3	101.0	96.2%	PASS				
GF	83	325' E of Haul Road	8	1	GF-2-5	14.0	105.0	12.2	114.6	102.1	97.3%	PASS				
GF	84	325' E of Haul Road	8	1	GF-2-5	14.0	105.0	12.0	113.7	101.5	96.7%	PASS				

COMMENTS: HR=West Haul Raod

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 2922)**

PROJECT: J.E. D SOLID WASTE FACILITY
LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1
DESCRIPTION: CELL 3 CONSTRUCTION DATE: 2 Day FEBRUARY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: Borrow Area B3 MATERIAL TYPE Silty Sand CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID DH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FILED TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	85	20'N of ICB / 20 ' E	8	2	GF-2-5	14.0	105.0	9.6	112.6	102.7	97.8%	PASS				
GF	86	70'N of ICB / 20 ' E	8	2	GF-2-5	14.0	105.0	7.6	109.9	102.1	97.3%	PASS				
GF	87	120'N of ICB / 20 ' E	8	2	GF-2-5	14.0	105.0	11.9	112.6	100.6	95.8%	PASS				
GF	88	170'N of ICB / 20 ' E	8	2	GF-2-5	14.0	105.0	11.4	112.0	100.5	95.8%	PASS				
GF	89	220'N of ICB / 20 ' E	8	2	GF-2-5	14.0	105.0	9.3	113.0	103.4	98.5%	PASS				
GF	90	20'N of ICB / 70 ' E	8	2	GF-2-5	14.0	105.0	7.5	112.1	104.3	99.3%	PASS				
GF	91	70'N of ICB / 70 ' E	8	2	GF-2-5	14.0	105.0	6.8	109.7	102.7	97.8%	PASS				
GF	92	120'N of ICB / 70 ' E	8	2	GF-2-5	14.0	105.0	7.2	108.1	100.8	96.0%	PASS				
GF	93	170'N of ICB / 70 ' E	8	2	GF-2-5	14.0	105.0	11.6	112.6	100.9	96.1%	PASS				
GF	94	220'N of ICB / 70 ' E	8	2	GF-2-5	14.0	105.0	9.5	110.3	100.7	95.9%	PASS				
GF	95	20'N of ICB / 120 ' E	8	2	GF-2-5	14.0	105.0	10.9	111.9	100.9	96.1%	PASS				
GF	96	70'N of ICB / 120 ' E	8	2	GF-2-5	14.0	105.0	11.6	112.4	100.7	95.9%	PASS				
GF	97	120'N of ICB / 120 ' E	8	2	GF-2-5	14.0	105.0	9.8	113.1	103.0	98.1%	PASS				
GF	98	170'N of ICB / 120 ' E	8	2	GF-2-5	14.0	105.0	9.6	115.1	105.0	100.0%	PASS				
GF	99	170'N of ICB / 170 ' E	8	2	GF-2-5	14.0	105.0	11.6	111.9	100.3	95.5%	PASS				

COMMENTS:

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 2922)**

PROJECT: J.E. D SOLID WASTE FACILITY
LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1
DESCRIPTION: CELL 3 CONSTRUCTION DATE: 2 Day FEBRUARY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: Borrow Area B3 MATERIAL TYPE Lt.Brwn Fine Sand CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID RH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FILED TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	100	120'N of ICB / 170 ' E	8	2	GF-2-5	14.0	105.0	12.9	114.1	101.1	96.3%	PASS				
GF	101	70'N of ICB / 170 ' E	8	2	GF-2-5	14.0	105.0	9.5	113.0	103.2	98.3%	PASS				
GF	102	20'N of ICB / 170 ' E	8	2	GF-2-5	14.0	105.0	7.8	108.2	100.4	95.6%	PASS				
GF	103	170'N of ICB / 220 ' E	8	2	GF-2-5	14.0	105.0	12.1	114.0	101.7	96.9%	PASS				
GF	104	120'N of ICB / 220 ' E	8	2	GF-2-5	14.0	105.0	9.0	109.0	100.0	95.2%	PASS				
GF	105	70'N of ICB / 220 ' E	8	2	GF-2-5	14.0	105.0	9.3	110.5	101.1	96.3%	PASS				
GF	106	20'N of ICB / 220 ' E	8	2	GF-2-5	14.0	105.0	7.1	109.8	102.5	97.6%	PASS				
GF	107	190'N of ICB / 270 ' E	8	2	GF-2-5	14.0	105.0	10.0	115.0	104.5	99.6%	PASS				
GF	108	140'N of ICB / 270 ' E	8	2	GF-2-5	14.0	105.0	9.9	115.1	104.7	99.7%	PASS				
GF	109	90'N of ICB / 270 ' E	8	2	GF-2-5	14.0	105.0	10.9	114.1	102.9	98.0%	PASS				
GF	110	400'N of ICB / 320 ' E	8	2	GF-2-5	14.0	105.0	8.0	106.8	98.9	94.2%		FAIL	GF-122	PASS	
GF	111	350'N of ICB / 320 ' E	8	2	GF-2-5	14.0	105.0	8.8	110.4	101.5	96.6%	PASS				
GF	112	300'N of ICB / 320 ' E	8	2	GF-2-5	14.0	105.0	10.5	113.9	103.1	98.2%	PASS				
GF	113	250'N of ICB / 320 ' E	8	2	GF-2-5	14.0	105.0	11.6	113.9	102.1	97.2%	PASS				
GF	114	200'N of ICB / 320 ' E	8	2	GF-2-5	14.0	105.0	10.2	115.0	104.4	99.4%	PASS				

COMMENTS: Drice Cylinder (DR-4 - taken on sample GF-100)

GeoSyntec Consultants

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 2922)**

PROJECT: J.E. D SOLID WASTE FACILITY

LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1

DESCRIPTION: CELL 3 CONSTRUCTION DATE: 2 Day FEBRUARY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: Borrow Area B3 MATERIAL TYPE DR.Brwn Fine Sand CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID RH/DH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FILED TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	115	150' N of ICB / 320' E	8	2	GF-2-5	14.0	105.0	11.6	114.1	102.2	97.4%	PASS				
GF	116	400'N of ICB / 370 ' E	8	2	GF-2-5	14.0	105.0	11.8	113.9	101.9	97.0%	PASS				
GF	117	350'N of ICB / 370 ' E	8	2	GF-2-5	14.0	105.0	7.9	105.3	97.6	92.9%		FAIL	CL-123	PASS	
GF	118	300'N of ICB / 370 ' E	8	2	GF-2-5	14.0	105.0	12.1	114.0	101.7	96.9%	PASS				
GF	119	250'N of ICB / 370 ' E	8	2	GF-2-5	14.0	105.0	9.0	109.0	100.0	95.2%	PASS				
GF	120	200'N of ICB / 370 ' E	8	2	GF-2-5	14.0	105.0	9.3	110.5	101.1	96.3%	PASS				
GF	121	150'N of ICB / 370 ' E	8	2	GF-2-5	14.0	105.0	7.1	109.8	102.5	97.6%	PASS				
GF	122	400'N of ICB / 320 ' E	8	2	GF-2-5	14.0	105.0	10.0	115.0	104.5	99.6%	PASS				
GF	123	350'N of ICB / 370 ' E	8	2	GF-2-5	14.0	105.0	9.9	115.1	104.7	99.7%	PASS				
															PASS	

COMMENTS:

GeoSyntec Consultants

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 2922)**

PROJECT: J.E. D SOLID WASTE FACILITY
LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1
DESCRIPTION: CELL 3 CONSTRUCTION DATE: 3 Day FEBRUARY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: Borrow Area B3 MATERIAL TYPE Med.Brwn Fine Sand CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID RH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FIELD TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	124	100' E of HR 250' S ICB	8	2	GF-2-5	14.0	105.0	11.0	115.9	104.4	99.4%	PASS				
GF	125	75' E of HR 200' S ICB	8	2	GF-2-5	14.0	105.0	11.1	108.3	97.5	92.8%		FAIL	GF-136	PASS	
GF	126	50' E of HR 150' S ICB	8	2	GF-2-5	14.0	105.0	9.2	113.6	104.0	99.1%	PASS				
GF	127	25' E of HR 100' S ICB	8	2	GF-2-5	14.0	105.0	8.4	114.4	105.5	100.5%	PASS				
GF	128	150' E of HR 250' S ICB	8	2	GF-2-5	14.0	105.0	12.0	107.7	96.2	91.6%		FAIL	GF-137	PASS	
GF	129	125' E of HR 200' S ICB	8	2	GF-2-5	14.0	105.0	11.6	108.0	96.8	92.2%		FAIL	GF-138	PASS	
GF	130	175' E of HR 150' S ICB	8	2	GF-2-5	14.0	105.0	6.2	109.8	103.4	98.5%	PASS				
GF	131	150' E of HR 100' S ICB	8	2	GF-2-5	14.0	105.0	9.8	107.7	98.1	93.4%		FAIL	GF-139	PASS	
GF	132	225' E of HR 250' S ICB	8	2	GF-2-5	14.0	105.0	9.5	109.3	99.8	95.1%	PASS				
GF	133	200' E of HR 250' S ICB	8	2	GF-2-5	14.0	105.0	8.4	107.7	99.4	94.6%		FAIL	GF-140	PASS	
GF	134	180' E of HR 250' S ICB	8	2	GF-2-5	14.0	105.0	7.6	105.8	98.3	93.6%		FAIL	GF-141	PASS	
GF	135	150' E of HR 250' S ICB	8	2	GF-2-5	14.0	105.0	4.9	105.4	100.5	95.7%	PASS				
GF	136	75' E of HR 200' S ICB	8	2	GF-2-5	14.0	105.0	11.1	113.0	101.7	96.9%	PASS				
GF	137	150' E of HR 250' S ICB	8	2	GF-2-5	14.0	105.0	12.0	113.8	101.6	96.8%	PASS				
GF	138	125' E of HR 200' S ICB	8	2	GF-2-5	14.0	105.0	11.3	111.8	100.4	95.7%	PASS				

COMMENTS: HR=West Haul Raod Drive Cylinder (DR-5 taken on sample GF-126)
Failures were recompacted by Contractor and retested 2-3-06

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 2922)**

PROJECT J.E. D SOLID WASTE FACILITY
LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1
DESCRIPTION CELL 3 CONSTRUCTION DATE: 3 Day FEBRUARY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: Borrow Area B3 MATERIAL TYPE M.Brwn Sand CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID RH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FIELD TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	139	150' E of HR 100' S ICB	8	2	GF-2-5	14.0	105.0	11.0	115.9	104.4	99.4%	PASS				
GF	140	200' E of HR 250' S ICB	8	2	GF-2-5	14.0	105.0	11.1	108.3	97.5	92.8%		FAIL	GF-142		FAIL
GF	141	180' E of HR 250' S ICB	8	2	GF-2-5	14.0	105.0	9.2	113.6	104.0	99.1%	PASS				
GF	142	200' E of HR 250' S ICB	8	2	GF-2-5	14.0	105.0	11.2	109.9	98.8	94.1%		FAIL	GF-143	PASS	
GF	143	200' E of HR 250' S ICB	8	2	GF-2-5	14.0	105.0	11.2	111.3	100.1	95.3%	PASS				

COMMENTS: HR=West Haul Raod
Failures were recompacted by Contractor and retested 2-3-06

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 2922)**

PROJECT: J.E. D SOLID WASTE FACILITY
LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1
DESCRIPTION: CELL 3 CONSTRUCTION DATE: 10 Day FEBRUARY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: Borrow Area B3 MATERIAL TYPE Lt. Brwn Fine Sand CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID RH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FIELD TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	144	L / 22	8	3	GF-2-5	14.0	105.0	10.5	113.3	102.5	97.7%	PASS				
GF	145	M / 22	8	3	GF-2-5	14.0	105.0	8.1	112.3	103.9	98.9%	PASS				
GF	146	N / 22	8	3	GF-2-5	14.0	105.0	11.5	113.5	101.8	96.9%	PASS				
GF	147	O / 22	8	3	GF-2-5	14.0	105.0	9.0	110.6	101.5	96.6%	PASS				
GF	148	P / 22	8	3	GF-2-5	14.0	105.0	7.9	109.5	101.5	96.7%	PASS				
GF	149	P / 21	8	3	GF-2-5	14.0	105.0	10.2	110.6	100.4	95.6%	PASS				
GF	150	O / 21	8	3	GF-2-5	14.0	105.0	9.5	110.4	100.8	96.0%	PASS				
GF	151	N / 21	8	3	GF-2-5	14.0	105.0	9.9	110.2	100.3	95.5%	PASS				
GF	152	M / 21	8	3	GF-2-5	14.0	105.0	10.4	111.3	100.8	96.0%	PASS				
GF	153	L / 21	8	3	GF-2-5	14.0	105.0	11.6	113.2	101.4	96.6%	PASS				
GF	154	L / 20	8	3	GF-2-5	14.0	105.0	11.0	112.5	101.4	96.5%	PASS				
GF	155	M / 20	8	3	GF-2-5	14.0	105.0	9.4	110.7	101.2	96.4%	PASS				
GF	156	N / 20	8	3	GF-2-5	14.0	105.0	7.9	109.8	101.8	96.9%	PASS				
GF	157	O / 20	8	3	GF-2-5	14.0	105.0	7.2	109.3	102.0	97.1%	PASS				
GF	158	P / 20	8	3	GF-2-5	14.0	105.0	9.6	110.0	100.4	95.6%	PASS				

COMMENTS: Drive Cylinder (DR-6 taken on sample CL-150)

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 2922)**

PROJECT: J.E. D SOLID WASTE FACILITY
LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0852 TASK NO.: 1
DESCRIPTION: CELL 3 CONSTRUCTION DATE: 10 Day FEBRUARY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: Borrow Area B3 MATERIAL TYPE M.Brwn sand CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID RH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FIELD TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	159	P / 18	8	2	GF-2-5	14.0	105.0	14.1	115.2	101.0	96.2%	PASS				
GF	160	O / 18	8	2	GF-2-5	14.0	105.0	15.1	115.2	100.1	95.3%	PASS				
GF	161	N / 18	8	2	GF-2-5	14.0	105.0	13.7	114.9	101.1	96.2%	PASS				
GF	162	M / 18	8	2	GF-2-5	14.0	105.0	12.9	114.5	101.4	96.6%	PASS				
GF	163	L / 18	8	2	GF-2-5	14.0	105.0	12.6	114.7	101.9	97.0%	PASS				
GF	164	O / 23	8	2	GF-2-5	14.0	105.0	13.0	115.0	101.8	96.9%	PASS				
GF	165	N / 24	8	2	GF-2-5	14.0	105.0	6.9	108.6	101.6	96.8%	PASS				
GF	166	M / 24	8	2	GF-2-5	14.0	105.0	6.6	108.0	101.3	96.5%	PASS				
GF	167	M / 25	8	2	GF-2-5	14.0	105.0	7.7	109.4	101.6	96.7%	PASS				
GF	168	L / 24	8	2	GF-2-5	14.0	105.0	8.1	111.2	102.9	98.0%	PASS				
GF	169	L / 23	8	2	GF-2-5	14.0	105.0	10.3	112.1	101.6	96.8%	PASS				
GF	170	L / 23	8	2	GF-2-5	14.0	105.0	10.6	112.0	101.3	96.4%	PASS				
GF	171	M / 24	8	2	GF-2-5	14.0	105.0	10.2	111.8	101.5	96.6%	PASS				
GF	172	M / 23	8	2	GF-2-5	14.0	105.0	10.0	111.0	100.9	96.1%	PASS				
GF	173	N / 23	8	2	GF-2-5	14.0	105.0	10.7	113.1	102.2	97.3%	PASS				

COMMENTS:

GeoSyntec Consultants

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 2922)**

PROJECT: J.E. D SOLID WASTE FACILITY

LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1

DESCRIPTION: CELL 3 CONSTRUCTION DATE: 24 Day FEBRUARY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: Borrow Area B3 MATERIAL TYPE B.Sand w/ hard pan CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID TA

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FIELD TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	174	O / 18	8	4	GF-2-5	14.0	105.0	8.2	108.6	100.4	95.6%	PASS				
GF	175	O / 19	8	4	GF-2-5	14.0	105.0	8.5	109.9	101.3	96.5%	PASS				
GF	176	O / 19	8	4	GF-2-5	14.0	105.0	8.5	109.7	101.1	96.3%	PASS				
GF	177	O / 20	8	4	GF-2-5	14.0	105.0	7.4	109.6	102.0	97.2%	PASS				
GF	178	O / 21	8	4	GF-2-5	14.0	105.0	9.0	110.0	100.9	96.1%	PASS				
GF	179	O / 22	8	4	GF-2-5	14.0	105.0	7.1	111.5	104.1	99.2%	PASS				
GF	180	O / 23	8	4	GF-2-5	14.0	105.0	8.4	109.5	101.0	96.2%	PASS				
GF	181	N / 22	8	4	GF-2-5	14.0	105.0	7.7	109.3	101.5	96.7%	PASS				
GF	182	N / 21	8	4	GF-2-5	14.0	105.0	6.6	108.5	101.8	96.9%	PASS				
GF	183	N / 20	8	4	GF-2-5	14.0	105.0	8.0	109.4	101.3	96.5%	PASS				
GF	184	N / 19	8	4	GF-2-5	14.0	105.0	9.2	109.8	100.5	95.8%	PASS				
GF	185	N / 18	8	4	GF-2-5	14.0	105.0	9.0	110.4	101.3	96.5%	PASS				
GF	186	M / 18	8	4	GF-2-5	14.0	105.0	9.0	110.2	101.1	96.3%	PASS				
GF	187	M / 19	8	4	GF-2-5	14.0	105.0	9.0	109.3	100.3	95.5%	PASS				
GF	188	M / 20	8	4	GF-2-5	14.0	105.0	9.0	111.4	102.2	97.3%	PASS				

COMMENTS:

Drive Cylinder (DR-7 taken on density test GF-175)

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 2922)**

PROJECT: J.E. D SOLID WASTE FACILITY

LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1

DESCRIPTION: CELL 3 CONSTRUCTION DATE: 2 Day MARCH Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: Borrow Area B3 MATERIAL TYPE Lt. Brwn fine sand CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID DH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FIELD TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	189	N-23	6	4	GF-2-7	12.0	108.0	8.0	114.5	106.0	98.2%	PASS				
GF	190	N-24	6	4	GF-2-3	14.0	105.0	7.1	107.2	100.1	95.3%	PASS				
GF	191	L-24	6	4	GF-2-3	14.0	105.0	6.6	106.4	99.8	95.1%	PASS				
GF	192	L-23	6	4	GF-2-7	12.0	108.0	7.5	117.0	108.8	100.8%	PASS				
GF	193	M-23	6	4	GF-2-3	14.0	105.0	7.0	109.0	101.9	97.0%	PASS				
GF	194	N-22	6	4	GF-2-3	14.0	105.0	6.0	109.0	102.8	97.9%	PASS				
GF	195	M-22	6	4	GF-2-3	14.0	105.0	7.4	110.7	103.1	98.2%	PASS				
GF	196	L-22	6	4	GF-2-3	14.0	105.0	13.2	114.5	101.1	96.3%	PASS				
GF	197	M-21	6	4	GF-2-7	12.0	108.0	9.3	117.7	107.7	99.7%	PASS				
GF	198	L-21	6	4	GF-2-7	12.0	108.0	6.9	114.3	106.9	99.0%	PASS				

COMMENTS:

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 2922)**

PROJECT: J.E. D SOLID WASTE FACILITY
LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1
DESCRIPTION: CELL 3 CONSTRUCTION DATE: 8 Day MARCH Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: Borrow Area B3 MATERIAL TYPE M. Brwn Sand CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID RH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FIELD TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	199	P / 17	6	4	GF-2-5	14.0	105.0	6.2	107.5	101.2	96.4%	PASS				
GF	200	O / 17	6	4	GF-2-5	14.0	105.0	6.1	107.2	101.0	96.2%	PASS				
GF	201	N / 17	6	4	GF-2-5	14.0	105.0	5.2	107.0	101.7	96.9%	PASS				
GF	202	M / 17	6	4	GF-2-5	14.0	105.0	5.1	106.4	101.2	96.4%	PASS				
GF	203	L / 17	6	4	GF-2-5	14.0	105.0	4.8	105.8	101.0	96.1%	PASS				
GF	204	L / 16	6	4	GF-2-5	14.0	105.0	5.3	107.3	101.9	97.0%	PASS				
GF	205	M / 16	6	4	GF-2-5	14.0	105.0	5.0	108.0	102.9	98.0%	PASS				
GF	206	N / 16	6	4	GF-2-5	14.0	105.0	6.6	109.5	102.7	97.8%	PASS				
GF	207	O / 16	6	4	GF-2-5	14.0	105.0	5.8	108.4	102.5	97.6%	PASS				
GF	208	P / 16	6	4	GF-2-5	14.0	105.0	4.8	106.2	101.3	96.5%	PASS				
GF	209	P / 15	6	4	GF-2-5	14.0	105.0	5.2	108.9	103.5	98.6%	PASS				
GF	210	O / 14	6	4	GF-2-5	14.0	105.0	5.9	107.7	101.7	96.9%	PASS				
GF	211	N / 14	6	4	GF-2-5	14.0	105.0	6.2	109.1	102.7	97.8%	PASS				
GF	212	M / 14	6	4	GF-2-5	14.0	105.0	5.9	109.3	103.2	98.3%	PASS				
GF	213	L / 14	6	4	GF-2-5	14.0	105.0	6.0	108.7	102.5	97.7%	PASS				

COMMENTS:
Drive Cylinder (DR-8 taken on density test GF-200)

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 2922)**

PROJECT J.E. D SOLID WASTE FACILITY
LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1
DESCRIPTION CELL 3 CONSTRUCTION DATE: 8 Day MARCH Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: Borrow Area B3 MATERIAL TYPE M. Brwn Fine Sand CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID RH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FIELD TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	214	L / 15	6	4	GF-2-5	14.0	105.0	4.8	106.5	101.6	96.8%	PASS				

COMMENTS:

GeoSyntec Consultants

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG

(ASTM D 2922 AND ASTM D 3017)

PROJECT: [illegible] WASTE [illegible]

LOCATION: OSCEOLA COUNTY FLORIDA — PROJECT NO.: [illegible] — TASK NO.: [illegible]

DESCRIPTION: CELL 3 CONSTRUCTION [illegible] — DATE: 28 Day — APRIL Month — 2006 Year

SPECIFICATION REQUIREMENTS: ASTM D 698 95% COMPACTION — MOISTURE RANGE: NA — [illegible]

MATERIAL SOURCE: Borrow Area B[illegible] — MATERIAL TYPE: Silty Sand — CORRECTION FACTOR: NA

NUCLEAR GAUGE TYPE: Troxler 3430 — GAUGE SERIAL: [illegible] — CAL [illegible]: [illegible]

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS: SAMPLE NO.	LAB RESULTS: OMC (%)	LAB RESULTS: MAX DRY UNIT WT (PCF)	FIELD TEST RESULTS: FMC (%)	FIELD TEST RESULTS: WET UNIT WT (PCF)	FIELD TEST RESULTS: DRY UNIT WT (PCF)	FIELD TEST RESULTS: PERCENT COMPACTION	PASS	FAIL	RETEST NO.	RETEST: PASS	RETEST: FAIL
[illegible]	215	L/18	6	[illegible]	GP-2-[illegible]	14.0	105.[illegible]	[illegible]	106.1	100.[illegible]	95.[illegible]%	PASS				
GP	216	M/18	6	5	GP-2-2	14.0	10[illegible]	[illegible]	[illegible]	[illegible]	98.5%	PASS				
GP	217	L/17	6	5	GP-2-2	14.0	105.0	[illegible]	[illegible]	[illegible]	96.[illegible]%	PASS				
GP	218	M/17	6	5	GP-2-3	14.0	105.6	[illegible]	[illegible]	[illegible]	[illegible]%	PASS				
GP	219	L/18	6	5	GP-2-3	14.0	105.6	[illegible]	116.9	[illegible]	9[illegible]%	PASS				
GP	220	M/18	6	5	GP-2-3	14.0	105.6	[illegible]	[illegible]	104.6	[illegible]%	PASS				
GP	221	N/18	6	5	GP-2-3	14.0	105.6	10.[illegible]	112.2	101.8	97.0%	PASS				
GP	222	O/18	6	5	GP-2-3	14.0	10[illegible].6	13.4	118.7	105.[illegible]	100.0%	PASS				
GP	223	N/17	6	5	GP-2-3	14.0	105.0	6.4	108.7	101.[illegible]	9[illegible]%	PASS				
GP	224	O/17	6	5	GP-2-3	14.0	105.0	6.5	111.8	105.0	100.0%	PASS				
GP	225	O/17	6	5	GP-2-3	14.0	105.0	4.7	107.2	102.[illegible]	9[illegible]%	PASS				
GP	226	O/18	6	5	GP-2-3	14.0	10[illegible].0	6.2	108.[illegible]	102.[illegible]	97.[illegible]%	PASS				

COMMENTS: Drive Cylinder (DC-0) taken on density test (TS-225)

Field Nuclear Density Test Log

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 2922)**

PROJECT: J.E. D SOLID WASTE FACILITY

LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1

DESCRIPTION: CELL 3 CONSTRUCTION- GEN. FILL DATE: 1 Day MAY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: Borrow Area B3 MATERIAL TYPE B. Fine Sand CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID DH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FIELD TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	227	M / 15	6	5	GF-2-3	14.0	105.0	4.9	108.1	103.1	98.1%	PASS				
GF	228	N / 15	6	5	GF-2-3	14.0	105.0	5.9	107.7	101.7	96.9%	PASS				
GF	229	O / 15	6	5	GF-2-3	14.0	105.0	4.7	109.4	104.5	99.5%	PASS				
GF	230	M / 14	6	5	GF-2-3	14.0	105.0	4.7	109.1	104.2	99.2%	PASS				
GF	231	N / 14	6	5	GF-2-3	14.0	105.0	5.1	107.4	102.2	97.3%	PASS				
GF	232	O / 14	6	5	GF-2-3	14.0	105.0	4.7	106.2	101.4	96.6%	PASS				

COMMENTS:

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 2922)**

PROJECT J.E. D SOLID WASTE FACILITY

LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1

DESCRIPTION CELL 3 CONSTRUCTION- GEN. FILL DATE: 2 Day MAY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: Borrow Area B3 MATERIAL TYPE M.Brwn Sand CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID DH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FIELD TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	233	O / 18	6	6	GF-2-3	14.0	105.0	3.4	105.5	102.0	97.2%	PASS				
GF	234	N / 18	6	6	GF-2-3	14.0	105.0	5.1	107.4	102.2	97.3%	PASS				
GF	235	M / 18	6	6	GF-2-3	14.0	105.0	4.4	108.4	103.8	98.9%	PASS				
GF	236	L / 18	6	6	GF-2-3	14.0	105.0	5.5	108.1	102.5	97.6%	PASS				

COMMENTS:

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 2922)**

PROJECT J.E. D SOLID WASTE FACILITY

LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0852 TASK NO.: 1

DESCRIPTION CELL 3 CONSTRUCTION- GEN. FILL DATE: 3 Day MAY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: Borrow Area B3 MATERIAL TYPE Silty Sand CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID DH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FIELD TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	237	O / 17	6	5	GF-2-3	14.0	105.0	4.9	104.7	99.8	95.1%	PASS				
GF	238	N / 17	6	5	GF-2-3	14.0	105.0	4.6	107.3	102.6	97.7%	PASS				
GF	239	M / 17	6	5	GF-2-3	14.0	105.0	4.9	106.5	101.5	96.7%	PASS				
GF	240	L / 17	6	5	GF-2-3	14.0	105.0	4.7	105.2	100.5	95.7%	PASS				
GF	241	O / 16	6	5	GF-2-3	14.0	105.0	4.6	106.6	101.9	97.1%	PASS				
GF	242	N / 16	6	5	GF-2-3	14.0	105.0	5.7	110.1	104.2	99.2%	PASS				
GF	243	M / 16	6	5	GF-2-3	14.0	105.0	4.9	107.2	102.2	97.3%	PASS				
GF	244	L / 16	6	5	GF-2-3	14.0	105.0	4.4	104.9	100.5	95.7%	PASS				

COMMENTS:

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 2922)**

PROJECT J.E. D SOLID WASTE FACILITY

LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0652 TASK NO.: 1

DESCRIPTION CELL 3 CONSTRUCTION- GEN. FILL DATE: 4 Day MAY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: Borrow Area B3 MATERIAL TYPE Silty Sand CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID DH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FIELD TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	245	O / 15	6	5	GF-2-3	14.0	105.0	4.0	104.8	100.8	96.0%	PASS				
GF	246	O / 14	6	5	GF-2-3	14.0	105.0	4.5	106.4	101.8	97.0%	PASS				
GF	247	N / 14	6	5	GF-2-3	14.0	105.0	5.6	108.7	102.9	98.0%	PASS				
GF	248	N / 14	6	5	GF-2-3	14.0	105.0	4.1	108.2	103.9	99.0%	PASS				
GF	249	N / 15	6	5	GF-2-3	14.0	105.0	4.3	108.7	104.2	99.3%	PASS				
GF	250	M / 15	6	5	GF-2-3	14.0	105.0	10.0	111.1	101.0	96.2%	PASS				

COMMENTS: Drive Clyinder DR-9 taken os sample GF-250

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 2922)**

PROJECT: J.E. D SOLID WASTE FACILITY
LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0652 TASK NO.: 1
DESCRIPTION: CELL 3 CONSTRUCTION- GEN. FILL DATE: 5 Day MAY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: Borrow Area B3 MATERIAL TYPE Silty Sand CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID DH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FIELD TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	251	0 / 18	6	6	GF-2-3	14.0	105.0	4.1	104.9	100.8	96.0%	PASS				
GF	252	N / 18	6	6	GF-2-3	14.0	105.0	5.4	106.3	100.9	96.1%	PASS				
GF	253	M / 18	6	6	GF-2-3	14.0	105.0	5.7	107.1	101.3	96.5%	PASS				
GF	254	L / 18	6	6	GF-2-3	14.0	105.0	4.8	106.2	101.3	96.5%	PASS				

COMMENTS:

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 2922)**

PROJECT: J.E. D SOLID WASTE FACILITY

LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0852 TASK NO.: 1

DESCRIPTION: CELL 3 CONSTRUCTION- GEN. FILL DATE: 8 Day MAY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: Borrow Area B3 MATERIAL TYPE Silty Sand CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID DH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FIELD TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	255	O / 17	6	7	GF-2-3	14.0	105.0	6.2	113.4	106.8	101.7%	PASS				
GF	256	N / 17	6	7	GF-2-3	14.0	105.0	6.7	110.2	103.3	98.4%	PASS				
GF	257	M / 17	6	7	GF-2-3	14.0	105.0	5.0	109.0	103.8	98.9%	PASS				
GF	258	L / 17	6	7	GF-2-3	14.0	105.0	6.8	112.4	105.2	100.2%	PASS				
GF	259	O / 16	6	7	GF-2-3	14.0	105.0	6.5	112.8	105.9	100.9%	PASS				
GF	260	N / 16	6	7	GF-2-3	14.0	105.0	12.4	114.5	101.9	97.0%	PASS				
GF	261	M / 16	6	7	GF-2-6	13.0	107.0	9.5	117.5	107.3	100.3%	PASS				
GF	262	L / 16	6	7	GF-2-6	13.0	107.0	6.4	112.9	106.1	99.2%	PASS				

COMMENTS:

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 2922)**

PROJECT J.E. D SOLID WASTE FACILITY

LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0852 TASK NO.: 1

DESCRIPTION CELL 3 CONSTRUCTION- GEN. FILL DATE: 9 Day MAY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: Borrow Area B3 MATERIAL TYPE Silty Sand CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID DH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FIELD TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	263	O / 17	6	7	GF-2-6	13.0	107.0	10.8	116.4	105.1	98.2%	PASS				
GF	264	N / 17	6	7	GF-2-6	13.0	107.0	6.3	108.6	102.2	95.5%	PASS				
GF	265	M / 17	6	7	GF-2-6	13.0	107.0	6.8	109.1	102.2	95.5%	PASS				
GF	266	L / 17	6	7	GF-2-6	13.0	107.0	6.6	109.2	102.4	95.7%	PASS				
GF	267	O / 16	6	7	GF-2-6	13.0	107.0	8.0	110.6	102.4	95.7%	PASS				
GF	268	N / 16	6	7	GF-2-6	13.0	107.0	7.9	109.8	101.8	95.1%	PASS				

COMMENTS:

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 2922)**

PROJECT: J.E. D SOLID WASTE FACILITY

LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0452 TASK NO.: 1

DESCRIPTION: CELL 3 CONSTRUCTION- GEN. FILL DATE: 10 Day MAY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: Borrow Area B3 MATERIAL TYPE Silty Sand CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID DH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FIELD TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	269	O / 18	6	8	GF-2-3	14.0	105.0	7.0	107.6	100.6	95.8%	PASS				
GF	270	N / 18	6	8	GF-2-3	14.0	105.0	6.7	111.3	104.3	99.3%	PASS				
GF	271	M / 18	6	8	GF-2-3	14.0	105.0	6.6	106.6	100.0	95.2%	PASS				
GF	272	L / 18	6	8	GF-2-3	14.0	105.0	5.9	108.5	102.5	97.6%	PASS				
GF	273	O / 17	6	8	GF-2-3	14.0	105.0	7.8	112.0	103.9	98.9%	PASS				
GF	274	N / 17	6	8	GF-2-3	14.0	105.0	5.7	108.1	102.3	97.4%	PASS				
GF	275	M / 17	6	8	GF-2-3	14.0	105.0	6.9	108.8	101.8	96.9%	PASS				
GF	276	L / 17	6	8	GF-2-3	14.0	105.0	7.4	108.1	100.7	95.9%	PASS				

COMMENTS: Drive Clyinder DR-11 taken on sample GF-275

GeoSyntec Consultants

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 2922)**

PROJECT J.E. D SOLID WASTE FACILITY
LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1
DESCRIPTION CELL 3 CONSTRUCTION DATE: 11 Day MAY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: Borrow Area B3 MATERIAL TYPE Silty Sand CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID RH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FIELD TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	277	L / 20	6	8	GF-2-3	14.0	105.0	6.7	108.8	102.0	97.1%	PASS				
GF	278	M / 20	6	8	GF-2-3	14.0	105.0	7.4	108.0	100.6	95.8%	PASS				
GF	279	N / 20	6	8	GF-2-3	14.0	105.0	6.8	110.9	103.8	98.9%	PASS				
GF	280	O / 20	6	8	GF-2-3	14.0	105.0	6.5	107.4	100.8	96.0%	PASS				
GF	281	O / 19	6	8	GF-2-3	14.0	105.0	6.6	108.2	101.5	96.7%	PASS				
GF	282	N / 19	6	8	GF-2-3	14.0	105.0	7.4	110.8	103.2	98.3%	PASS				
GF	283	M / 19	6	8	GF-2-3	14.0	105.0	6.3	105.4	99.2	94.4%		FAIL	GF-292	PASS	
GF	284	L / 19	6	8	GF-2-3	14.0	105.0	7.4	105.3	98.1	93.4%		FAIL	GF-293	PASS	
GF	285	L / 18	6	8	GF-2-3	14.0	105.0	6.6	108.5	101.8	96.9%	PASS				
GF	286	M / 18	6	8	GF-2-3	14.0	105.0	7.7	109.4	101.6	96.7%	PASS				
GF	287	N / 18	6	8	GF-2-3	14.0	105.0	7.4	106.1	98.8	94.1%		FAIL	GF-294	PASS	
GF	288	O / 18	6	8	GF-2-3	14.0	105.0	8.0	106.3	98.4	93.7%		FAIL	GF-295	PASS	
GF	289	O / 17	6	8	GF-2-3	14.0	105.0	4.5	104.6	100.1	95.3%	PASS				
GF	290	N / 17	6	8	GF-2-3	14.0	105.0	6.1	113.0	106.5	101.4%	PASS				
GF	291	M / 17	6	8	GF-2-3	14.0	105.0	6.1	108.6	102.4	97.5%	PASS				

COMMENTS: AREAS THAT FAILED DENSITY WERE REWORKED AND RECOMPACTED RETESTED ON 5-12-06.

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 2922)**

PROJECT J.E. D SOLID WASTE FACILITY
LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1
DESCRIPTION CELL 3 CONSTRUCTION DATE: 12 Day MAY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: Borrow Area B3 MATERIAL TYPE Silty Sand CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID RH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FIELD TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	292	M / 19	6	8	GF-2-3	14.0	105.0	6.4	106.5	100.1	95.3%	PASS				
GF	293	L / 19	6	8	GF-2-3	14.0	105.0	7.4	107.4	100.0	95.2%	PASS				
GF	294	N / 18	6	8	GF-2-3	14.0	105.0	7.5	108.2	100.7	95.9%	PASS				
GF	295	O / 18	6	8	GF-2-3	14.0	105.0	8.0	108.1	100.1	95.3%	PASS				
GF	296	O / 19	6	8	GF-2-3	14.0	105.0	6.6	108.2	101.5	96.7%	PASS				
GF	297	N / 19	6	8	GF-2-3	14.0	105.0	9.1	110.8	101.6	96.7%	PASS				
GF	298	M / 19	6	8	GF-2-3	14.0	105.0	8.6	109.1	100.5	95.7%	PASS				
GF	299	L / 19	6	8	GF-2-3	14.0	105.0	8.2	109.0	100.7	95.9%	PASS				
GF	300	L / 18	6	8	GF-2-3	14.0	105.0	8.2	110.3	101.9	97.1%	PASS				
GF	301	M / 18	6	8	GF-2-3	14.0	105.0	7.7	109.4	101.6	96.7%	PASS				
GF	302	N / 18	6	8	GF-2-3	14.0	105.0	8.8	111.2	102.2	97.3%	PASS				
GF	303	O / 18	6	8	GF-2-3	14.0	105.0	9.1	112.1	102.7	97.9%	PASS				
GF	304	O / 17	6	8	GF-2-3	14.0	105.0	8.0	108.4	100.4	95.6%	PASS				
GF	305	N / 17	6	8	GF-2-3	14.0	105.0	9.2	111.1	101.7	96.9%	PASS				
GF	306	M / 17	6	8	GF-2-3	14.0	105.0	9.0	113.1	103.8	98.8%	PASS				

COMMENTS: Drive Cylinder DR-12 taken on density test number 300
292 to 296 are retests of failures from previous day after area was reworked by the Contractor

GeoSyntec Consultants

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 2922)**

PROJECT: J.E. D SOLID WASTE FACILITY
LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1
DESCRIPTION: CELL 3 CONSTRUCTION DATE: 15 Day MAY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: Borrow Area B3 MATERIAL TYPE Silty Sand CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID RH/TH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FIELD TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	307	50' N of South ICB	6	9	GF-3-1	8.8	104.0	4.0	105.0	101.0	97.1%	PASS				
GF	308	100' N of South ICB	6	9	GF-3-1	8.8	104.0	4.4	105.1	100.7	96.8%	PASS				
GF	309	100' N of South ICB	6	9	GF-3-1	8.8	104.0	5.1	99.1	94.3	90.7%		FAIL	GF-313	PASS	
GF	310	50 ' N of South ICB	6	9	GF-3-1	8.8	104.0	5.2	103.4	98.3	94.5%		FAIL	GF-314		FAIL
GF	311	50' N of South ICB	6	9	GF-3-1	8.8	104.0	6.4	108.6	102.1	98.1%	PASS				
GF	312	100' N of South ICB	6	9	GF-3-1	8.8	104.0	5.7	104.0	98.4	94.6%		FAIL	GF-316	PASS	
GF	313	100' N of South ICB	6	9	GF-3-1	8.8	104.0	3.8	106.3	102.4	98.5%	PASS				
GF	314	50 ' N of South ICB	6	9	GF-3-1	8.8	104.0	4.9	101.5	96.8	93.1%		FAIL	GF-315	PASS	
GF	315	50 ' N of South ICB	6	9	GF-3-1	8.8	104.0	5.2	108.5	103.1	99.2%	PASS				
GF	316	100' N of South ICB	6	9	GF-3-1	8.8	104.0	5.3	106.0	100.7	96.8%	PASS				

COMMENTS:
Failed densities were recompacted by the Contractor and retested GF-309,310 and 312.
Density test GF-310 had two retests as GF-314 failed and was retested with GF-315

GeoSyntec Consultants

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 2922)**

PROJECT J.E. D SOLID WASTE FACILITY
LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1
DESCRIPTION CELL 3 CONSTRUCTION DATE: 17 Day MAY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: Borrow Area B3 MATERIAL TYPE Br/ Gry Silty Sand CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID RH/TH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FIELD TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	317	culvert pipe removed North	6	1	GF-3-1	8.8	104.0	9.3	113.6	103.9	99.9%	PASS				
GF	318	10' W 50 S of HR	6	1	GF-3-1	8.8	104.0	10.8	114.0	102.9	98.9%	PASS				
GF	319	10' W 150 ' N of HR	6	1	GF-3-1	8.8	104.0	11.0	116.0	104.5	100.5%	PASS				
GF	320	10' E,100 N of HR	6	1	GF-3-1	8.8	104.0	9.8	103.2	98.6	94.8%		FAIL	GF-324	PASS	
GF	321	10' W 50 ' N of HR	6	1	GF-3-1	8.8	104.0	10.9	112.8	101.7	97.8%	PASS				
GF	322	Ditch line 10 E of HR	6	1	GF-3-1	8.8	104.0	7.4	106.5	99.2	95.3%	PASS				
GF	323	Ditch line 10 E 225 S of HR	6	1	GF-3-1	8.8	104.0	10.2	109.3	99.2	95.4%	PASS				
GF	324	10' E,100 N of HR	6	1	GF-3-1	8.8	104.0	11.1	113.9	102.5	98.6%	PASS				
GF	325	10' W 50 S of HR	6	2	GF-3-1	8.8	104.0	8.3	108.8	100.5	96.6%	PASS				
GF	326	culvert pipe removed North	6	2	GF-3-1	8.8	104.0	12.1	121.5	108.4	104.2%	PASS				
GF	327	10' E,100 N of HR	6	2	GF-3-1	8.8	104.0	9.6	111.5	101.7	97.8%	PASS				
GF	328	10' E,100 N of HR	6	2	GF-3-1	8.8	104.0	11.5	116.0	104.0	100.0%	PASS				
GF	329	10' W 150 ' N of HR	6	2	GF-3-1	8.8	104.0	8.6	112.0	103.1	99.2%	PASS				
GF	330	10' E 450 ' N of HR	6	2	GF-3-1	8.8	104.0	5.1	104.2	99.1	95.3%	PASS				

COMMENTS: Density test # 320 was recompacted, retested and passed
Drive Cylinder DR-13 taken on density test GF-325

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG (ASTM D 3017 AND ASTM D 2922)

PROJECT: J.E. D SOLID WASTE FACILITY
LOCATION: OSCEOLA COUNTY FLORIDA — PROJECT NO.: FQ 0952 — TASK NO.: 1
DESCRIPTION: CELL 3 CONSTRUCTION — DATE: 17 Day MAY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION — MOISTURE RANGE NA — LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: Borrow Area B3 — MATERIAL TYPE Br/ Gry Silty Sand — CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 — GAUGE SERIAL 22295 — QA ID RH/TH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FIELD TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	331	10' E HR,300 S of ICB	6	2	GF-3-1	8.8	104.0	6.9	102.1	95.5	91.8%		FAIL	GF-337	PASS	
GF	332	10' E,220 S of ICB	6	2	GF-3-1	8.8	104.0	8.2	106.3	98.2	94.5%		FAIL	GF-338	PASS	
GF	333	20' E,160 S of ICB	6	2	GF-3-1	8.8	104.0	7.7	99.7	92.6	89.0%		FAIL	GF-339	PASS	
GF	334	40' E,100 N of HR	6	2	GF-3-1	8.8	104.0	7.2	105.6	98.6	94.8%		FAIL	GF-340	PASS	
GF	335	10' E HR,400 S of ICB	6	2	GF-3-1	8.8	104.0	8.8	108.1	99.4	95.5%	PASS				
GF	336	10' E HR,300 S of ICB	6	2	GF-3-1	8.8	104.0	8.3	107.5	99.3	95.4%	PASS				
GF	337	10' E HR,300 S of ICB	6	2	GF-3-1	8.8	104.0	6.1	105.1	99.1	95.2%	PASS				
GF	338	10' E,220 S of ICB	6	2	GF-3-1	8.8	104.0	7.1	108.5	101.3	97.4%	PASS				
GF	339	20' E,160 S of ICB	6	2	GF-3-1	8.8	104.0	6.2	105.1	99.0	95.2%	PASS				
GF	340	40' E,100 N of HR	6	2	GF-3-1	8.8	104.0	7.3	111.1	103.5	99.6%	PASS				
GF	341	10' E,150 N of HR	6	3	GF-3-1	8.8	104.0	9.2	110.9	101.6	97.7%	PASS				
GF	342	40' E,100 N of HR	6	3	GF-3-1	8.8	104.0	8.1	110.4	102.1	98.2%	PASS				
GF	343	HR 225' S OF 2 ICB	6	3	GF-3-1	8.8	104.0	5.2	99.0	94.1	90.5%		FAIL	GF-346	PASS	
GF	344	10' E 340 ' S OF 2 ICB	6	2	GF-3-1	8.8	104.0	8.7	113.5	104.4	100.4%	PASS				

COMMENTS: Density test # 331 TO 334 and # 343 was recompacted, retested and passed
Drive Cylinder DR-13 taken on density test GF-325

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG (ASTM D 3017 AND ASTM D 2922)

PROJECT: J.E. D SOLID WASTE FACILITY
LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1
DESCRIPTION: CELL 3 CONSTRUCTION DATE: 17 Day MAY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: Borrow Area B3 MATERIAL TYPE Br/ Gry Silty Sand CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID RH/TH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FIELD TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	345	20' W HR,100 S of ICB	6	3	GF-3-1	8.8	104.0	5.5	109.1	103.4	99.4%	PASS				
GF	346	HR 225' S OF 2 ICB	6	3	GF-3-1	8.8	104.0	6.2	108.5	102.2	98.2%	PASS				
GF	347	20' E,160 S of ICB	6	4	GF-3-1	8.8	104.0	7.7	107.6	99.9	96.1%	PASS				
GF	348	40' E,100 N of HR	6	4	GF-3-1	8.8	104.0	9.0	111.8	102.6	98.7%	PASS				
GF	349	30' E HR, 500 ' S of 2 ICB	6	4	GF-3-1	8.8	104.0	5.7	105.6	99.9	96.1%	PASS				
GF	350	30' E HR, 600 ' S of 2 ICB	6	4	GF-3-1	8.8	104.0	8.3	107.5	99.3	95.4%	PASS				
GF	351	20 W HR, 300 S of 2 ICB	6	4	GF-3-1	8.8	104.0	6.6	105.4	98.9	95.1%	PASS				
GF	352	20 W HR, 150 S of 2 ICB	6	4	GF-3-1	8.8	104.0	8.8	110.8	101.8	97.9%	PASS				
GF	353	10 W HR, 500 S of 2 ICB	6	4	GF-3-1	8.8	104.0	9.0	108.5	99.5	95.7%	PASS				
GF	354	10 W HR, 600 S of 2 ICB	6	4	GF-3-1	8.8	104.0	5.6	108.4	102.7	98.7%	PASS				

COMMENTS:
Drive Cylinder DR-14 taken on density test GF-350

GeoSyntec Consultants

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG

(ASTM D 3017 AND ASTM D 2922)

PROJECT: J.E. D SOLID WASTE FACILITY
LOCATION: OSCEOLA COUNTY FLORIDA — PROJECT NO.: FQ 0952 — TASK NO.: 1
DESCRIPTION: CELL 3 CONSTRUCTION — DATE: 18 Day MAY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION — MOISTURE RANGE NA — LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: Borrow Area B3 — MATERIAL TYPE Brwn Fine Sand — CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 — GAUGE SERIAL 22295 — QA ID RH/ TH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FILED TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	355	20' W of HR 95' S of 2 ICB	6	5	GF-3-1	8.8	104.0	6.1	107.9	101.7	97.8%	PASS				
GF	356	20' W of HR 50' S of 2 ICB	6	5	GF-3-1	8.8	104.0	7.3	106.3	99.1	95.3%	PASS				
GF	357	40' E of HR 50' S of 2 ICB	6	5	GF-3-1	8.8	104.0	5.8	108.9	102.9	99.0%	PASS				
GF	358	40' E of HR 100' S of 2 ICB	6	5	GF-3-1	8.8	104.0	6.1	106.4	100.3	96.4%	PASS				
GF	359	60'E of HR 300' S of ICB	6	4	GF-3-1	8.8	104.0	5.5	106.5	100.9	97.1%	PASS				
GF	360	Access Ramp into Cell 2	6	SG	GF-3-1	8.8	104.0	6.3	105.4	99.2	95.3%	PASS				
GF	361	70'N of ICB / 70 ' E	6	2	GF-3-1	8.8	104.0	8.7	111.4	102.5	98.5%	PASS				
GF	362	120'N of ICB / 70 ' E	6	2	GF-3-1	8.8	104.0	6.2	106.7	100.5	96.6%	PASS				
GF	363	170'N of ICB / 70 ' E	6	2	GF-3-1	8.8	104.0	7.9	111.8	103.6	99.6%	PASS				
GF	364	220'N of ICB / 70 ' E	6	2	GF-3-1	8.8	104.0	7.8	114.6	106.3	102.2%	PASS				
GF	365	20'N of ICB / 120 ' E	6	2	GF-3-1	8.8	104.0	7.9	105.1	97.4	93.7%		FAIL	GF-369	PASS	
GF	366	70'N of ICB / 120 ' E	6	2	GF-3-1	8.8	104.0	9.9	101.8	92.6	89.1%		FAIL	GF-368	PASS	
GF	367	120'N of ICB / 120 ' E	6	2	GF-3-1	8.8	104.0	9.3	111.5	102.0	98.1%	PASS				
GF	368	170'N of ICB / 120 ' E	6	2	GF-3-1	8.8	104.0	7.3	111.6	104.0	100.0%	PASS				
GF	369	170'N of ICB / 170 ' E	6	2	GF-3-1	8.8	104.0	7.3	108.8	101.4	97.5%	PASS				

COMMENTS:
CL= Contractor's Lay Down Area

GeoSyntec Consultants

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 2922)**

PROJECT J.E. D SOLID WASTE FACILITY

LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1

DESCRIPTION CELL 3 CONSTRUCTION DATE: 18 Day MAY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: Borrow Area B3 MATERIAL TYPE Brwn Fine Sand CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID RH/ TH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FILED TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	370	20' W of HR 85' S of 2 ICB	6	6	GF-3-1	8.8	104.0	7.9	109.8	101.8	97.8%	PASS				
GF	371	20' W of HR 600' S 2 ICB	6	5	GF-3-1	8.8	104.0	6.9	109.8	102.7	98.8%	PASS				
GF	372	40' E of HR 550' S of 2 ICB	6	5	GF-3-1	8.8	104.0	7.9	106.3	98.5	94.7%		FAIL	GF-377	PASS	
GF	373	40' E of HR 400' S of 2 ICB	6	5	GF-3-1	8.8	104.0	6.7	103.3	96.8	93.1%		FAIL	GF-376	PASS	
GF	374	20'W of HR 300' S of ICB	6	5	GF-3-1	8.8	104.0	7.4	112.3	104.6	100.5%	PASS				
GF	375	400' S of ICB HR	6	5	GF-3-1	8.8	104.0	7.3	108.8	101.4	97.5%	PASS				
GF	376	40' E of HR 400' S of 2 ICB	6	5	GF-3-1	8.8	104.0	5.8	109.0	103.0	99.1%	PASS				
GF	377	40' E of HR 550' S of 2 ICB	6	5	GF-3-1	8.8	104.0	5.9	109.5	103.4	99.4%	PASS				
GF	378	350'S of S ICB / 50 ' E	6	6	GF-3-1	8.8	104.0	9.2	106.9	97.9	94.1%		FAIL	GF-381	PASS	
GF	379	150'S of S ICB / 50 ' E	6	6	GF-3-1	8.8	104.0	7.1	107.3	100.2	96.3%	PASS				
GF	380	225'S of S ICB / 50 ' E	6	6	GF-3-1	8.8	104.0	8.2	108.2	100.0	96.2%	PASS			PASS	
GF	381	350'S of S ICB / 50 ' E	6	6	GF-3-1	8.8	104.0	7.5	109.0	101.4	97.5%	PASS				
GF	382	25'S of ICB / 20 ' E	6	SG	GF-3-1	8.8	104.0	7.6	107.3	99.7	95.9%	PASS				
GF	383	25'S of ICB / 40 ' E	6	SG	GF-3-1	8.8	104.0	5.6	107.8	102.1	98.2%	PASS				
GF	384	50'S of ICB / HR ' E	6	SG	GF-3-1	8.8	104.0	5.3	107.8	102.4	98.4%	PASS				

COMMENTS: Drive Cylinder DR-15 was taken on density test GF-375

GF-382 to GF-384 was taken after the access ramp to Cell 2 was removed.

GeoSyntec Consultants

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 2922)**

PROJECT: J.E. D SOLID WASTE FACILITY
LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1
DESCRIPTION: CELL 3 CONSTRUCTION DATE: 19 Day MAY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: N. Borrow Area B3 MATERIAL TYPE Dr./Brwn Fine Sanc CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID RH/ TH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FILED TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	385	20' W of HR 85' S of 2 ICB6	6	6	GF-3-1	8.8	104.0	12.0	106.8	95.4	91.7%		FAIL	GF-387		FAIL
GF	386	20' E of HR '100 S 2 ICB	6	6	GF-3-1	8.8	104.0	5.3	107.5	102.1	98.2%	PASS				
GF	387	20' W of HR 85' S of 2 ICB6	6	6	GF-3-1	8.8	104.0	10.3	107.3	97.3	93.5%		FAIL	GF-388	PASS	
GF	388	20' W of HR 85' S of 2 ICB6	6	6	GF-3-1	8.8	104.0	9.5	111.7	102.0	98.1%	PASS				
GF	389	20'E of HR 600' S of ICB	6	7	GF-3-1	8.8	104.0	9.7	107.5	98.0	94.2%		FAIL	GF-393	PASS	
GF	390	20W of HR 600' S of ICB	6	7	GF-3-1	8.8	104.0	7.9	110.7	102.6	98.6%	PASS				
GF	391	20W of HR 450' S of ICB	6	7	GF-3-1	8.8	104.0	10.3	108.6	98.5	94.7%		FAIL	GF-394		FAIL
GF	392	20W of HR 350' S of ICB	6	7	GF-3-1	8.8	104.0	9.8	110.8	100.9	97.0%	PASS				
GF	393	20'E of HR 600' S of ICB	6	7	GF-3-1	8.8	104.0	9.6	112.2	102.4	98.4%	PASS				
GF	394	20W of HR 450' S of ICB	6	7	GF-3-1	8.8	104.0	11.2	104.5	94.0	90.4%		FAIL	GF-395		FAIL
GF	395	20W of HR 450' S of ICB	6	7	GF-3-1	8.8	104.0	10.1	108.9	98.9	95.1%	PASS			PASS	
GF	396	350'S of S ICB / 50 ' E	6	7	GF-3-1	8.8	104.0	10.3	113.9	103.3	99.3%	PASS				
GF	397	25'S of ICB / 20 ' E	6	7	GF-3-1	8.8	104.0	10.2	110.3	100.1	96.2%	PASS				

COMMENTS: Failures were recompacted by the Contractor using a Bomag smooth drum compactor and retested till passing project specifications

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 2922)**

PROJECT J.E. D SOLID WASTE FACILITY

LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1

DESCRIPTION CELL 3 CONSTRUCTION DATE: 19 Day MAY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: N. Borrow Area B3 MATERIAL TYPE Dr./Brwn Fine Sanc CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID RH/ TH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FILED TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	385	20' W of HR 85' S of 2 ICB6	6	6	GF-3-1	8.8	104.0	12.0	106.8	95.4	91.7%		FAIL	GF-387		FAIL
GF	386	20' E of HR '100 S 2 ICB	6	6	GF-3-1	8.8	104.0	5.3	107.5	102.1	98.2%	PASS				
GF	387	20' W of HR 85' S of 2 ICB6	6	6	GF-3-1	8.8	104.0	10.3	107.3	97.3	93.5%		FAIL	GF-388	PASS	
GF	388	20' W of HR 85' S of 2 ICB6	6	6	GF-3-1	8.8	104.0	9.5	111.7	102.0	98.1%	PASS				
GF	389	20'E of HR 600' S of ICB	6	7	GF-3-1	8.8	104.0	9.7	107.5	98.0	94.2%		FAIL	GF-393	PASS	
GF	390	20W of HR 600' S of ICB	6	7	GF-3-1	8.8	104.0	7.9	110.7	102.6	98.6%	PASS				
GF	391	20W of HR 450' S of ICB	6	7	GF-3-1	8.8	104.0	10.3	108.6	98.5	94.7%		FAIL	GF-394		FAIL
GF	392	20W of HR 350' S of ICB	6	7	GF-3-1	8.8	104.0	9.8	110.8	100.9	97.0%	PASS				
GF	393	20'E of HR 600' S of ICB	6	7	GF-3-1	8.8	104.0	9.6	112.2	102.4	98.4%	PASS				
GF	394	20W of HR 450' S of ICB	6	7	GF-3-1	8.8	104.0	11.2	104.5	94.0	90.4%		FAIL	GF-395		FAIL
GF	395	20W of HR 450' S of ICB	6	7	GF-3-1	8.8	104.0	10.1	108.9	98.9	95.1%	PASS			PASS	
GF	396	350'S of S ICB / 50 ' E	6	7	GF-3-1	8.8	104.0	10.3	113.9	103.3	99.3%	PASS				
GF	397	25'S of ICB / 20 ' E	6	7	GF-3-1	8.8	104.0	10.2	110.3	100.1	96.2%	PASS				

COMMENTS: Failures were recompacted by the Contractor using a Bomag smooth drum compactor and retested till passing project specifications

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG (ASTM D 3017 AND ASTM D 292

PROJECT: J.E. D SOLID WASTE FACILITY
LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1
DESCRIPTION: CELL 3 CONSTRUCTION DATE: 22 Day MAY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: N. Borrow Area B3 MATERIAL TYPE Dr./Brwn Fine Sanc CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID RH/ TH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FILED TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	398	10' W of HR 150' S of 2 ICB6	6	8	GF-3-1	8.8	104.0	8.9	108.4	99.5	95.7%	PASS				
GF	399	20' E of HR '150 S 2 ICB	6	8	GF-3-1	8.8	104.0	10.0	100.9	91.7	88.2%		FAIL	GF-400	PASS	
GF	400	20' E of HR '150 S 2 ICB	6	8	GF-3-1	8.8	104.0	10.2	109.7	99.5	95.7%	PASS				
GF	401	20' W of HR 220' S of 2 ICB6	6	8	GF-3-1	8.8	104.0	7.5	108.4	100.8	97.0%	PASS				
GF	402	10' W of HR 220' S of 2 ICB6	6	8	GF-3-1	8.8	104.0	7.9	106.9	99.1	95.3%	PASS				
GF	403	HR 320' S of ICB	6	8	GF-3-1	8.8	104.0	8.2	113.4	104.8	100.8%	PASS				
GF	404	10' W of HR 360' S of 2 ICB6	6	8	GF-3-1	8.8	104.0	6.8	111.5	104.4	100.4%	PASS				
GF	405	10'W of HR 410' S of ICB	6	9	GF-3-1	8.8	104.0	10.1	109.9	99.8	96.0%	PASS				
GF	406	20' E of HR '550 S 2 ICB	6	9	GF-3-1	8.8	104.0	11.0	115.5	104.1	100.1%	PASS				
GF	407	20'W of HR 390' S of ICB	6	9	GF-3-1	8.8	104.0	12.5	113.3	100.7	96.8%	PASS				
GF	408	10'W of HR 280' S of ICB	6	9	GF-3-1	8.8	104.0	8.4	107.3	99.0	95.2%	PASS				

COMMENTS: Failures were recompacted by the Contractor using a Bomag smooth drum compactor and retested till passing project specifications

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 2922)**

PROJECT: J.E. D SOLID WASTE FACILITY
LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1
DESCRIPTION: CELL 3 CONSTRUCTION DATE: 18 Day MAY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: Borrow Area B3 MATERIAL TYPE Brwn Fine Sand CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID RH/ TH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FILED TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	370	20' W of HR 85' S of 2 ICB	6	6	GF-3-1	8.8	104.0	7.9	109.8	101.8	97.8%	PASS				
GF	371	20' W of HR 600' S 2 ICB	6	5	GF-3-1	8.8	104.0	6.9	109.8	102.7	98.8%	PASS				
GF	372	40' E of HR 550' S of 2 ICB	6	5	GF-3-1	8.8	104.0	7.9	106.3	98.5	94.7%		FAIL	GF-377	PASS	
GF	373	40' E of HR 400' S of 2 ICB	6	5	GF-3-1	8.8	104.0	6.7	103.3	96.8	93.1%		FAIL	GF-376	PASS	
GF	374	20'W of HR 300' S of ICB	6	5	GF-3-1	8.8	104.0	7.4	112.3	104.6	100.5%	PASS				
GF	375	400' S of ICB HR	6	5	GF-3-1	8.8	104.0	7.3	108.8	101.4	97.5%	PASS				
GF	376	40' E of HR 400' S of 2 ICB	6	5	GF-3-1	8.8	104.0	5.8	109.0	103.0	99.1%	PASS				
GF	377	40' E of HR 550' S of 2 ICB	6	5	GF-3-1	8.8	104.0	5.9	109.5	103.4	99.4%	PASS				
GF	378	350'S of S ICB / 50 ' E	6	6	GF-3-1	8.8	104.0	9.2	106.9	97.9	94.1%		FAIL	GF-381	PASS	
GF	379	150'S of S ICB / 50 ' E	6	6	GF-3-1	8.8	104.0	7.1	107.3	100.2	96.3%	PASS				
GF	380	225'S of S ICB / 50 ' E	6	6	GF-3-1	8.8	104.0	8.2	108.2	100.0	96.2%	PASS			PASS	
GF	381	350'S of S ICB / 50 ' E	6	6	GF-3-1	8.8	104.0	7.5	109.0	101.4	97.5%	PASS				
GF	382	25'S of ICB / 20 ' E	6	SG	GF-3-1	8.8	104.0	7.6	107.3	99.7	95.9%	PASS				
GF	383	25'S of ICB / 40 ' E	6	SG	GF-3-1	8.8	104.0	5.6	107.8	102.1	98.2%	PASS				
GF	384	50'S of ICB / HR ' E	6	SG	GF-3-1	8.8	104.0	5.3	107.8	102.4	98.4%	PASS				

COMMENTS: Drive Cylinder DR-15 was taken on density test GF-375
GF-382 to GF-384 was taken after the access ramp to Cell 2 was removed.

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 292**

PROJECT: J.E. D SOLID WASTE FACILITY
LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1
DESCRIPTION: CELL 3 CONSTRUCTION DATE: 23 Day MAY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: N. Borrow Area B3 MATERIAL TYPE Dr./Brwn Fine Sanc CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID TH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FILED TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	409	10' W of HR 350' S of 2 ICB	6	9	GF-2-1	8.8	104.0	9.6	111.5	101.7	97.8%	PASS				
GF	410	45' E of HR '280 S 2 ICB	6	9	GF-2-1	8.8	104.0	10.2	110.0	99.8	96.0%	PASS				
GF	411	45' E of HR '200 S 2 ICB	6	9	GF-2-1	8.8	104.0	12.3	103.8	92.4	88.9%		FAIL	GF-414		FAILS
GF	412	10' W of HR 360' S of 2 ICB	6	9	GF-2-1	8.8	104.0	10.6	110.5	99.9	96.1%	PASS				
GF	413	10' E of HR 380' S of 2 ICB	6	9	GF-2-1	8.8	104.0	12.8	112.4	99.6	95.8%	PASS				
GF	414	45' E of HR '200 S 2 ICB	6	9	GF-2-1	8.8	104.0	10.8	106.1	95.8	92.1%		FAIL	GF-415	PASS	
GF	415	45' E of HR '200 S 2 ICB	6	9	GF-2-1	8.8	104.0	9.4	112.5	102.8	98.9%	PASS				
GF	416	10' E of HR 200' S of 2 ICB	6	9	GF-2-1	8.8	104.0	8.0	108.2	100.2	96.3%	PASS				
GF	417	45' E of HR '150 S 2 ICB	6	9	GF-2-1	8.8	104.0	9.4	106.0	96.9	93.2%		FAIL	GF-418		FAIL
GF	418	45' E of HR '150 S 2 ICB	6	9	GF-2-1	8.8	104.0	9.9	106.3	96.7	93.0%		FAIL	GF-421	PASS	
GF	419	10' W of HR 120' S of 2 ICB	6	9	GF-2-1	8.8	104.0	10.2	108.8	98.7	94.9%		FAIL	GF-420	PASS	
GF	420	10' W of HR 120' S of 2 ICB	6	9	GF-2-1	8.8	104.0	10.2	110.0	99.8	96.0%	PASS				
GF	421	45' E of HR '150 S 2 ICB	6	9	GF-2-1	8.8	104.0	10.0	111.4	101.3	97.4%	PASS				
GF	422	10' W of HR 190' S of 2 ICB	6	9	GF-2-1	8.8	104.0	10.0	113.0	102.7	98.8%	PASS				
GF	423	10' W of HR 240' S of 2 ICB	6	9	GF-2-1	8.8	104.0	8.8	108.5	99.7	95.9%	PASS				

COMMENTS: Failures were recompacted by the Contractor using a Bomag smooth drum compactor and retested till passing project specifications

GeoSyntec Consultants

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 2922**

PROJECT: J.E. D SOLID WASTE FACILITY
LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1
DESCRIPTION: CELL 3 CONSTRUCTION DATE: 23 Day MAY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: N. Borrow Area B3 MATERIAL TYPE Dr./Brwn Fine Sanc CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID TH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FILED TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	424	20' E of HR 450' S of 2 ICB	6	10	GF-3-1	8.8	104.0	8.2	109.0	100.7	96.9%	PASS				
GF	425	10' W of HR '420 S 2 ICB	6	10	GF-3-1	8.8	104.0	10.9	109.7	98.9	95.1%	PASS				

COMMENTS: Failures were recompacted by the Contractor using a Bomag smooth drum compactor and retested till passing project specifications

GeoSyntec Consultants

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 292**

PROJECT: J.E. D SOLID WASTE FACILITY
LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1
DESCRIPTION: CELL 3 CONSTRUCTION DATE: 24 Day MAY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: N. Borrow Area B3 MATERIAL TYPE Dr./Brwn Fine Sanc CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID TH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FILED TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	426	10' W of HR 350' S of 2 ICB	6	10	GF-3-1	8.8	104.0	9.9	112.9	102.7	98.8%	PASS				
GF	427	45' E of HR '280 S 2 ICB	6	10	GF-3-1	8.8	104.0	9.7	105.3	96.0	92.3%		FAIL	GF-430	PASS	
GF	428	10' W of HR 260' S of 2 ICB	6	10	GF-3-1	8.8	104.0	10.0	109.2	99.3	95.5%	PASS				
GF	429	HR '80 S 2 ICB	6	10	GF-3-1	8.8	104.0	9.3	110.5	101.1	97.2%	PASS				
GF	430	45' E of HR '280 S 2 ICB	6	10	GF-3-1	8.8	104.0	9.7	112.3	102.4	98.4%	PASS				
GF	431	HR '80 S 2 ICB	6	10	GF-3-1	8.8	104.0	9.0	109.0	100.0	96.2%	PASS				
GF	432	45' E of HR '200 S 2 ICB	6	10	GF-3-1	8.8	104.0	9.2	111.1	101.7	97.8%	PASS				
GF	433	10' W of HR '200 S 2 ICB	6	10	GF-3-1	8.8	104.0	8.6	108.0	99.4	95.6%	PASS				
GF	434	45' E of HR '200 S 2 ICB	6	10	GF-3-1	8.8	104.0	9.9	103.3	94.0	90.4%		FAIL	GF-437	PASS	
GF	435	45' E of HR '150 S 2 ICB	6	10	GF-3-1	8.8	104.0	9.8	110.0	100.2	96.3%	PASS				
GF	436	10' W of HR 120' S of 2 ICB	6	10	GF-3-1	8.8	104.0	7.1	102.5	95.7	92.0%		FAIL	GF-438	PASS	
GF	437	10' W of HR 120' S of 2 ICB	6	10	GF-3-1	8.8	104.0	8.7	110.6	101.7	97.8%	PASS				
GF	438	10' W of HR 120' S of 2 ICB	6	10	GF-3-1	8.8	104.0	9.0	109.0	100.0	96.2%	PASS				

COMMENTS: Failures were recompacted by the Contractor using a Bomag smooth drum compactor and retested till passing project specifications

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG (ASTM D 3017 AND ASTM D 2922

PROJECT: J.E. D SOLID WASTE FACILITY
LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1
DESCRIPTION: CELL 3 CONSTRUCTION DATE: 25 Day MAY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: N. Borrow Area B3 MATERIAL TYPE Dr./Brwn Fine Sanc CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID TH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FILED TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	439	0' HR '600 S 2 ICB	6	11	GF-3-1	8.8	104.0	4.7	106.8	102.0	98.1%	PASS				
GF	440	45' E of HR '560 S 2 ICB	6	11	GF-3-1	8.8	104.0	6.6	107.8	101.1	97.2%	PASS				
GF	441	10' W of HR 470' S of 2 ICB	6	11	GF-3-1	8.8	104.0	7.1	109.8	102.5	98.6%	PASS				
GF	442	30' E of HR 470' S of 2 ICB	6	11	GF-3-1	8.8	104.0	6.9	105.8	99.0	95.2%	PASS				
GF	443	10' W of HR 420' S of 2 ICB	6	11	GF-3-1	8.8	104.0	10.0	111.4	101.3	97.4%	PASS				
GF	444	30' E of HR 410' S of 2 ICB	6	11	GF-3-1	8.8	104.0	8.1	112.2	103.8	99.8%	PASS				
GF	445	10' E of HR '280 S 2 ICB	6	11	GF-3-1	8.8	104.0	9.2	110.9	101.6	97.7%	PASS				
GF	446	10' W of HR '360 S 2 ICB	6	11	GF-3-1	8.8	104.0	8.6	108.0	99.4	95.6%	PASS				
GF	447	10' W of HR '360 S 2 ICB	6	11	GF-3-1	8.8	104.0	10.1	107.9	98.0	94.2%		FAIL	GF-448	PASS	
GF	448	10' W of HR '220 S 2 ICB	6	11	GF-3-1	8.8	104.0	9.6	110.7	101.0	97.1%	PASS				
GF	449	0' HR 120' S of 2 ICB	6	11	GF-3-1	8.8	104.0	7.7	110.0	102.1	98.2%	PASS				
GF	450	30' E of HR 120' S of 2 ICB	6	11	GF-3-1	8.8	104.0	9.7	109.3	99.6	95.8%	PASS				
GF	451	10' W of HR 80' S of 2 ICB	6	11	GF-3-1	8.8	104.0	9.8	108.7	99.0	95.2%	PASS				
GF	452	30' E of HR 80' S of 2 ICB	6	11	GF-3-1	8.8	104.0	9.7	108.6	99.0	95.2%	PASS				

COMMENTS: Failures were recompacted by the Contractor using a Bomag smooth drum compactor and retested till passing project specifications

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 2922**

PROJECT: J.E. D SOLID WASTE FACILITY
LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1
DESCRIPTION: CELL 3 CONSTRUCTION DATE: 26 Day MAY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: N. Borrow Area B3 MATERIAL TYPE Dr./Brwn Fine Sanc CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID TH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FILED TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	453	10' W of HR 440 ' S 2 ICB	6	12	GF-2-1	8.8	104.0	9.7	108.6	99.0	95.2%	PASS				
GF	454	30' W of HR 370' S 2 ICB	6	12	GF-2-1	8.8	104.0	8.2	107.2	99.1	95.3%	PASS				
GF	455	30' W of HR 260' S of 2 ICB	6	12	GF-2-1	8.8	104.0	8.4	110.1	101.6	97.7%	PASS				
GF	456	45' E of HR '360 S 2 ICB	6	12	GF-2-1	8.8	104.0	7.7	105.5	98.0	94.2%		FAIL	GF-459	PASS	
GF	457	45' E of HR '280 S 2 ICB	6	12	GF-2-1	8.8	104.0	9.0	109.0	100.0	96.2%	PASS				
GF	458	80' E of HR '350 S 2 ICB	6	12	GF-2-1	8.8	104.0	8.6	108.0	99.4	95.6%	PASS				
GF	459	75' E of HR '280 S 2 ICB	6	12	GF-2-1	8.8	104.0	8.4	108.8	100.4	96.5%	PASS				
GF	460	45' E of HR '360 S 2 ICB	6	12	GF-2-1	8.8	104.0	8.7	111.2	102.3	98.4%	PASS				

COMMENTS: Failures were recompacted by the Contractor using a Bomag smooth drum compactor and retested till passing project specifications

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 292**

PROJECT: J.E. D SOLID WASTE FACILITY
LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1
DESCRIPTION: CELL 3 CONSTRUCTION DATE: 30 Day MAY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: N. Borrow Area B3 MATERIAL TYPE Dr./Brwn Fine Sanc CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID TH

TEST	NO.	TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FILED TEST RESULTS FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	RETEST PASS	RETEST FAIL
GF	461	35' W HR 260' S OF 2 ICB	6	12	GF-2-1	8.8	104.0	5.7	106.5	100.8	96.9%	PASS				
GF	462	35' W HR 190' S OF 2 ICB	6	12	GF-2-1	8.8	104.0	4.6	101.8	97.3	93.6%		FAIL	GF-466	PASS	
GF	463	10' E HR 250' S OF 2 ICB	6	12	GF-2-1	8.8	104.0	7.0	108.1	101.0	97.1%	PASS				
GF	464	10' E HR 190' S OF 2 ICB	6	12	GF-2-1	8.8	104.0	5.3	107.3	101.9	98.0%	PASS				
GF	465	35' W HR 170' S OF 2 ICB	6	12	GF-2-1	8.8	104.0	5.4	105.4	100.0	96.2%	PASS				
GF	466	35' W HR 190' S OF 2 ICB	6	12	GF-2-1	8.8	104.0	5.7	106.5	100.8	96.9%	PASS				
GF	467	50' E HR 230' S OF 2 ICB	6	12	GF-2-1	8.8	104.0	4.3	103.1	98.8	95.0%	PASS				
GF	468	45' E HR 180' S OF 2 ICB	6	12	GF-2-1	8.8	104.0	6.7	111.8	104.8	100.7%	PASS				
GF	469	35' E HR 170' S OF 2 ICB	6	12	GF-2-1	8.8	104.0	5.0	105.7	100.7	96.8%	PASS				

COMMENTS: Failures were recompacted by the Contractor using a Bomag smooth drum compactor and retested till passing project specifications

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 292**

PROJECT: J.E. D SOLID WASTE FACILITY
LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1
DESCRIPTION: CELL 3 CONSTRUCTION DATE: 31 Day MAY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: N. Borrow Area B3 MATERIAL TYPE Dr./Brwn Fine Sanc CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID TH

TEST NO		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FILED TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	470	50' W of HR 540 ' S 2 ICB	6	13	GF-3-1	8.8	104.0	8.9	109.5	100.6	96.7%	PASS				
GF	471	50' E of HR 540' S 2 ICB	6	13	GF-3-1	8.8	104.0	5.3	111.3	105.7	101.6%	PASS				
GF	472	50' W of HR 400' S of 2 ICB	6	13	GF-3-1	8.8	104.0	5.0	112.2	106.9	102.7%	PASS				
GF	473	50' W of HR '260 S 2 ICB	6	13	GF-3-1	8.8	104.0	7.3	108.0	100.7	96.8%	PASS				
GF	474	50' W of HR '190 S 2 ICB	6	13	GF-3-1	8.8	104.0	4.8	108.1	103.1	99.2%	PASS				
GF	475	50' E of HR '380 S 2 ICB	6	13	GF-3-1	8.8	104.0	5.7	109.6	103.7	99.7%	PASS				
GF	476	50' E of HR '250 S 2 ICB	6	13	GF-3-1	8.8	104.0	6.1	107.9	101.7	97.8%	PASS				
GF	477	45' E of HR '120 S 2 ICB	6	13	GF-3-2	8.8	105.7	5.1	110.4	105.0	99.4%	PASS				

COMMENTS: No failures on this day.

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 2922**

PROJECT: J.E. D SOLID WASTE FACILITY
LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1
DESCRIPTION: CELL 3 CONSTRUCTION DATE: 1 Day JUNE Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: N. Borrow Area B3 MATERIAL TYPE Dr./Brwn Fine Sanc CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID TH

TEST NO		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FILED TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	478	50' W of HR 120 ' S 2 ICB	6	13	GF-2-1	8.8	99.0	4.1	101.6	97.6	98.6%	PASS				
GF	479	70' E of HR 540' S 2 ICB	6	14	GF-2-1	8.8	104.0	4.5	108.5	103.8	99.8%	PASS				
GF	480	90' E of HR 540' S of 2 ICB	6	14	GF-2-1	8.8	104.0	6.8	105.5	98.8	95.0%	PASS				
GF	481	90' E of HR '480 S 2 ICB	6	14	GF-2-1	8.8	104.0	6.3	107.9	101.5	97.6%	PASS				
GF	482	70' E of HR '460 S 2 ICB	6	14	GF-2-1	8.8	104.0	4.2	103.1	98.9	95.1%	PASS				
GF	483	95' E of HR '410 S 2 ICB	6	14	GF-2-1	8.8	104.0	4.0	104.0	100.0	96.2%	PASS				
GF	484	120' E of HR '410 S 2 ICB	6	14	GF-2-1	8.8	104.0	5.7	105.4	99.7	95.9%	PASS				
GF	485	130' E of HR '490 S 2 ICB	6	14	GF-2-1	8.8	104.0	8.8	106.4	97.8	94.0%		FAIL	GF-487	PASS	
GF	486	120' E of HR '580 S 2 ICB	6	14	GF-2-1	8.8	104.0	4.9	106.6	101.6	97.7%	PASS				
GF	487	130' E of HR '490 S 2 ICB	6	14	GF-2-1	8.8	104.0	7.5	106.7	99.3	95.5%	PASS				
GF	488	140' E of HR '410 S 2 ICB	6	14	GF-2-1	8.8	104.0	11.5	109.5	98.2	94.4%		FAIL	GF-490	PASS	
GF	489	140' E of HR '540 S 2 ICB	6	14	GF-2-1	8.8	104.0	7.4	110.3	102.7	98.7%	PASS				
GF	490	140' E of HR '410 S 2 ICB	6	14	GF-2-1	8.8	104.0	11.4	111.7	100.3	96.4%	PASS				
GF	491	165' E of HR '540 S 2 ICB	6	14	GF-2-1	8.8	104.0	7.3	111.5	103.9	99.9%	PASS				
GF																

COMMENTS: Failures were recompacted by the contractors using a Bomag smooth drum compactor and retested until passing project specifications.

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 292**

PROJECT: J.E. D SOLID WASTE FACILITY
LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1
DESCRIPTION: CELL 3 CONSTRUCTION DATE: 2 Day JUNE Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: N. Borrow Area B3 MATERIAL TYPE Dr./Brwn Fine Sanc CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID TH

TEST NO		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FILED TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	492	50' W of HR 120 ' S 2 ICB	6	15	GF-3-3	14.6	103.8	7.2	110.6	103.2	99.4%	PASS				
GF	493	70' E of HR 540' S 2 ICB	6	15	GF-3-3	14.6	103.8	4.5	108.5	103.8	100.0%	PASS				
GF	494	90' E of HR 540' S of 2 ICB	6	15	GF-3-3	14.6	103.8	6.8	105.5	98.8	95.2%	PASS				
GF	495	90' E of HR '480 S 2 ICB	6	15	GF-3-3	14.6	103.8	6.3	107.9	101.5	97.8%	PASS				

COMMENTS:

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 292**

PROJECT: J.E. D SOLID WASTE FACILITY
LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1
DESCRIPTION: CELL 3 CONSTRUCTION DATE: 5 Day JUNE Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: W. Borrow Area B3 MATERIAL TYPE Dr./Brwn Fine Sanc CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID TH

TEST NO		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FILED TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	497	160' W of EPT,350 S of ICB	6	16	GF-3-4	14.9	104.2	16.1	119.4	102.8	98.7%	PASS				
GF	498	60'W of EPT, 250' S OF ICB	6	16	GF-3-4	14.9	104.2	10.4	112.1	101.5	97.4%	PASS				
GF	499	120' W of EPT,180 S of ICB	6	16	GF-3-2	12.6	105.6	12.6	118.9	105.6	100.0%	PASS				
GF	500	260' W of EPT, 195 S of ICB	6	16	GF-3-4	14.9	104.2	5.1	108.4	103.1	99.0%	PASS				
GF	501	255' W of EPT,300' S OF ICB	6	16	GF-3-4	14.9	104.2	5.8	108.7	102.7	98.6%	PASS				
GF	502	40'W of EPT, 180 S of ICB	6	16	GF-3-2	12.6	105.6	7.8	114.6	106.3	100.7%	PASS				
GF	503	50' W of EPT,320' S of ICB	6	16	GF-3-4	14.9	104.2	9.0	112.0	102.8	98.6%	PASS				

COMMENTS: DR-20 was taken on density test (GF-500)
EPT= East Perimeter Berm toe

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG

PROJECT: J.E. D SOLID WASTE FACILITY
LOCATION: OSCEOLA COUNTY FLORIDA — PROJECT NO: FQ 0952 — TASK NO.: 1
DESCRIPTION: CELL 3 CONSTRUCTION — DATE: 6 JUNE Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION — NA — LIFT THICKNESS COMPAC 8-in

N. Borrow Area B3 MATERIAL TYPE Dr./Brwn Fine Sar CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIA 22295 QA ID TH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FILED TEST RESULTS FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	ERCEN OMPA	PASS	FAIL	RETEST NO.	RETEST PASS	RETEST FAIL
GF	504	480' S of 2 ICB, 200' W of EPT	6	17	GF-3-3	14.6	103.8	8.4	108.6	100.2	96.5%	PASS				
GF	505	195' S of 2 ICB,50' W of EPT	6	17	GF-3-3	14.6	103.8	6.3	104.8	98.6	94.9%		FAIL	GF-506		FAILS
GF	506	195' S of 2 ICB,50' W of EPT	6	17	GF-3-3	14.6	103.8	5.7	103.9	98.3	94.7%		FAIL	GF-507	PASS	
GF	507	195' S of 2 ICB,50' W of EPT	6	17	GF-3-3	14.6	103.8	5.9	108.8	102.7	99.0%	PASS				
GF	508	450' S of 2 ICB, 40' W of EPT	6	17	GF-3-3	14.6	103.8	7.9	111.1	103.0	99.2%	PASS				
GF	509	560' S of 2 ICB, 45 ' W OF EPT	6	17	GF-3-3	14.6	103.8	5.7	107.1	101.3	97.6%	PASS				
GF	510	320' S of 2 ICB, 120' W of EPT	6	17	GF-3-3	14.6	103.8	9.4	112.5	102.8	99.1%	PASS				
GF	511	240' S of 2 ICB, 320 W of EPT	6	17	GF-3-3	14.6	103.8	5.6	109.4	103.6	99.8%	PASS				
GF	512	180' S of 2 ICB, 140' W of EPT	6	17	GF-3-3	14.6	103.8	5.7	106.4	100.7	97.0%	PASS				
GF	513	240' S of 2 ICB. 120' W of EPT	6	17	GF-3-3	14.6	103.8	15.0	118.4	103.0	99.2%	PASS				
GF	514	130' S of 2 ICB, 230 ' W of EPT	6	17	GF-3-3	14.6	103.8	8.0	111.7	103.4	99.6%	PASS				
GF	515	200' S of 2 ICB, 130' W of EPT	6	17	GF-3-3	14.6	103.8	7.8	110.5	102.5	98.8%	PASS				
GF	516	120' S of 2 ICB, 140' W of EPT	6	17	GF-3-3	14.6	103.8	8.6	111.0	102.2	98.5%	PASS				

COMMENTS: Failures were recompacted by the Contractor using a Bomag smooth drum compactor and retested till passing project specifications

GeoSyntec Consultants

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 2922)**

PROJECT: J.E. D SOLID WASTE FACILITY

LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1

DESCRIPTION: CELL 3 CONSTRUCTION DATE: 7 Day JUNE Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: Borrow Area B3 MATERIAL TYPE Med.Brwn Fine Sanc CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID RH/TH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FIELD TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	517	60' E ,400 S of 2 ICB	6	18	GF-3-2	12.6	105.6	8.8	114.5	105.2	99.7%	PASS				
GF	518	60 ' E, 320' S of 2 ICB	6	18	GF-3-2	12.6	105.6	6.6	109.8	103.0	97.5%	PASS				
GF	519	120' E, 400' S of 2 ICB	6	18	GF-3-2	12.6	105.6	8.8	114.7	105.4	99.8%	PASS				
GF	520	120' E, 320' S of 2 ICB	6	18	GF-3-2	12.6	105.6	7.0	112.8	105.4	99.8%	PASS				
GF	521	60 ' E, 240' S of 2 ICB	6	18	GF-3-2	12.6	105.6	8.3	113.9	105.2	99.6%	PASS				
GF	522	60 ' E, 180' S of 2 ICB	6	18	GF-3-2	12.6	105.6	8.5	111.0	102.3	96.9%	PASS				
GF	523	180 ' E, 180' S of 2 ICB	6	18	GF-3-2	12.6	105.6	5.4	108.0	102.5	97.0%	PASS				
GF	524	180 ' E, 250' S of 2 ICB	6	18	GF-3-2	12.6	105.6	6.1	110.4	104.1	98.5%	PASS				

COMMENTS:

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 2922)**

PROJECT: JED SOILD WASTE FACILITY
LOCATION: OSCELOA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1
DESCRIPTION: CELL 3 CONSTRUCTION DATE: 8 Day JUNE Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE n/a LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: Borrow Area B3 MATERIAL TYPE M.Brwn Sand CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22995 QA ID RH/TH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FILED TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	525	60' W , 360' S of 2 ICB	6	18	GF-3-2	12.6	105.6	6.3	110.1	103.6	98.1%					
GF	526	120' W , 360' S of 2 ICB	6	18	GF-3-2	12.6	105.6	5.6	110.9	105.0	99.4%					
GF	527	40' W, 480' S of 2 ICB	6	18	GF-3-2	12.6	105.6	7.3	112.1	104.5	98.9%					
GF	528	120' W, 480' S of 2 ICB	6	18	GF-3-2	12.6	105.6	7.3	113.4	105.7	100.1%					
GF	529	40' W, 600' S of 2 ICB	6	18	GF-3-2	12.6	105.6	12.2	119.4	106.4	100.8%					
GF	530	120' W, 600' S of 2 ICB	6	18	GF-3-2	12.6	105.6	6.4	111.3	104.6	99.1%					
GF	531	160' W , 360' S of 2 ICB	6	18	GF-3-2	12.6	105.6	5.4	108.0	102.5	97.0%					
GF	532	160' W , 400' S of 2 ICB	6	18	GF-3-2	12.6	105.6	5.0	107.9	102.8	97.3%					
GF	533	180' W , 500' S of 2 ICB	6	18	GF-3-2	14.9	104.2	4.1	103.7	99.6	95.6%					
GF	534	248' W , 568' S of 2 ICB	6	18	GF-3-2	14.9	104.2	3.4	105.8	102.3	98.2%					
GF	535	248' W , 480' S of 2 ICB	6	18	GF-3-2	14.9	104.2	4.3	109.2	104.7	100.5%					
GF	536	300' W , 420' S of 2 ICB	6	18	GF-3-2	14.9	104.2	7.9	111.7	103.5	99.3%					
GF	537	350' W , 540' S of 2 ICB	6	18	GF-3-2	14.9	104.2	4.7	107.7	102.9	98.7%					
GF	538	360' W , 380' S of 2 ICB	6	18	GF-3-2	12.6	105.6	5.8	110.2	104.2	98.6%					
GF	539	390' W , 550' S of 2 ICB	6	18	GF-3-2	14.9	104.2	7.9	112.0	103.8	99.6%					

COMMENTS: Drive Cylinder DR-21 taken on Density Test GF-525

GeoSyntec Consultants

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 2922)**

PROJECT: JED SOILD WASTE FACILITY

LOCATION: OSCELOA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1

DESCRIPTION: CELL 3 CONSTRUCTION DATE: 9 Day JUNE Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE n/a LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: Borrow Area B3 MATERIAL TYPE M.Brwn Sand CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22995 QA ID RH/TH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FILED TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	540	100' W of HR '520 S ICB 2	6	19	GF-3-4	14.9	104.2	6.6	107.0	100.4	96.3%	PASS				
GF	541	100' W of HR '420 S ICB 2	6	19	GF-3-4	14.9	104.2	3.4	105.8	102.3	98.2%	PASS				
GF	542	25' E of HR '520 S ICB 2	6	19	GF-3-4	14.9	104.2	4.5	101.2	96.8	92.9%		FAIL	GF-544	PASS	
GF	543	25'E of HR '420 S ICB 2	6	19	GF-3-4	14.9	104.2	5.2	104.1	99.0	95.0%	PASS				

COMMENTS: GF-542 failed during density testing, area was recompacted and retested on 6-12-06 with test # GF-544

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 292**

PROJECT: J.E. D SOLID WASTE FACILITY
LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1
DESCRIPTION: CELL 3 CONSTRUCTION DATE: 13 Day JUNE Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: N. Borrow Area B3 MATERIAL TYPE Dr./Brwn Fine Sanc CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID TH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FILED TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	544	540' S of ICB,360' W of EPT	6	19	GF-3-6	16.8	101.9	9.8	105.7	96.3	94.5%		FAIL	GF-546	PASS	
GF	545	420' S of ICB,360' W of EPT	6	19	GF-3-6	16.8	101.9	9.9	104.8	95.4	93.6%		FAIL	GF-547	PASS	
GF	546	540' S of ICB,360' W of EPT	6	19	GF-3-6	16.8	101.9	12.4	109.9	97.8	96.0%	PASS				
GF	547	420' S of ICB,360' W of EPT	6	19	GF-3-6	16.8	101.9	12.4	109.3	97.2	95.4%	PASS				
GF	548	480' S of ICB,300' W of EPT	6	19	GF-3-6	16.8	101.9	6.5	106.4	99.9	98.0%	PASS				
GF	549	360' S of ICB,280' W of EPT	6	19	GF-3-6	16.8	101.9	8.6	105.9	97.5	95.7%	PASS				
GF	550	330' S of ICB,280' W of EPT	6	19	GF-3-6	16.8	101.9	7.7	106.0	98.4	96.6%	PASS				
GF	551	540' S of ICB,240' W of EPT	6	19	GF-3-6	16.8	101.9	6.7	107.7	100.9	99.1%	PASS				
GF	552	420' S of ICB,240' W of EPT	6	19	GF-3-6	16.8	101.9	7.7	106.0	98.4	96.6%	PASS				

COMMENTS: Failures were recompacted by the Contractor using a Bomag smooth drum compactor and retested till passing project specifications

ET= East Perimeter Berm Toe

ICB= Cell 2/3 Intercell Berm

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 292**

PROJECT: J.E. D SOLID WASTE FACILITY
LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1
DESCRIPTION: CELL 3 CONSTRUCTION DATE: 14 Day JUNE Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: N. Borrow Area B3 MATERIAL TYPE Dr./Brwn Fine Sanc CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID RH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FILED TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	553	540' S of ICB, 240' W of EPT	6	19	GF-3-6	16.8	101.9	7.2	104.3	97.3	95.5%	PASS				
GF	554	420' S of ICB, 240' W of EPT	6	19	GF-3-6	16.8	101.9	6.5	106.5	100.0	98.1%	PASS				
GF	555	330' S of ICB, 240' W of EPT	6	19	GF-3-6	16.8	101.9	6.2	107.4	101.1	99.2%	PASS				
GF	556	210' S of ICB, 240' W of EPT	6	19	GF-3-6	16.8	101.9	6.8	106.9	100.1	98.2%	PASS				
GF	557	180' S of ICB, 180' W of EPT	6	19	GF-3-6	16.8	101.9	7.3	101.4	94.5	92.7%		FAIL	GF-560		FAIL
GF	558	360' S of ICB, 180' W of EPT	6	19	GF-3-6	16.8	101.9	5.3	105.0	99.7	97.9%	PASS				
GF	559	540' S of ICB, 240' W of EPT	6	19	GF-3-6	16.8	101.9	5.8	106.0	100.2	98.3%	PASS				
GF	560	180' S of ICB, 180' W of EPT	6	19	GF-3-6	16.8	101.9	8.2	103.5	95.7	93.9%		FAIL	GF-562		FAIL
GF	561	180' S of ICB, 90' W of EPT	6	19	GF-3-6	16.8	101.9	6.8	104.2	97.6	95.7%	PASS				
GF	562	180' S of ICB, 180' W of EPT	6	19	GF-3-6	16.8	101.9	9.1	105.0	96.2	94.4%		FAIL	GF-563	PASS	
GF	563	180' S of ICB, 180' W of EPT	6	19	GF-3-6	16.8	101.9	7.9	107.1	99.3	97.4%	PASS				
GF	564	330' S of ICB, 180' W of EPT	6	19	GF-3-6	16.8	101.9	6.8	107.0	100.2	98.3%	PASS				
GF	565	420' S of ICB, 180' W of EPT	6	19	GF-3-6	16.8	101.9	6.0	101.8	96.0	94.2%		FAIL	GF-566	PASS	
GF	566	420' S of ICB, 180' W of EPT	6	19	GF-3-6	16.8	101.9	6.2	104.3	98.2	96.4%	PASS				
GF	567	540' S of ICB,180' W of EPT	6	19	GF-3-6	16.8	101.9	11.9	108.7	97.1	95.3%	PASS				

COMMENTS: Failures were recompacted by the Contractor using a Bomag smooth drum compactor and retested till passing project specifications

ET= East Perimeter Berm Toe

ICB= Cell 2/3 Intercell Berm

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 292**

PROJECT: J.E. D SOLID WASTE FACILITY
LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1
DESCRIPTION: CELL 3 CONSTRUCTION DATE: 14 Day JUNE Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: N. Borrow Area B3 MATERIAL TYPE Dr./Brwn Fine Sanc CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID RH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FILED TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	568	540' S of ICB,90' W of EPT	6	19	GF-3-6	16.8	101.9	9.4	114.7	104.8	102.9%	PASS				
GF	569	420' S of ICB, 90' W of EPT	6	19	GF-3-6	16.8	101.9	8.4	106.1	97.9	96.1%	PASS				
GF	570	360' S of ICB, 90' W of EPT	6	19	GF-3-6	16.8	101.9	6.8	104.2	97.6	95.7%	PASS				
GF	571	540' S of ICB, 60' E of WT	6	20	GF-3-6	16.8	101.9	7.8	111.6	103.5	101.6%	PASS				
GF	572	420' S of ICB, 65' E of WT	6	20	GF-3-6	16.8	101.9	6.2	108.8	102.4	100.5%	PASS				
GF	573	300' S of ICB, 70' E of WT	6	20	GF-3-6	16.8	101.9	6.7	108.9	102.1	100.2%	PASS				
GF	574	540' S of ICB, 120' E of WT	6	20	GF-3-6	16.8	101.9	6.1	104.6	98.6	96.7%	PASS				

COMMENTS: Hard Pan was observed in the material while testing
WT=West toe EPT= East Perimeter Berm Toe
ICB= Cell 2/3 Intercell Berm

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 292**

PROJECT: J.E. D SOLID WASTE FACILITY
LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1
DESCRIPTION: CELL 3 CONSTRUCTION DATE: 15 Day JUNE Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: N. Borrow Area B3 MATERIAL TYPE Dr./Brwn Fine Sanc CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID TH

TEST NO		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FILED TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	575	360' S of 2 ICB, 120' E of WT	6	20	GF-3-4	14.9	104.2	10.9	115.5	104.1	99.9%	PASS				
GF	576	540' S of 2 ICB, 120' E of WT	6	20	GF-3-2	12.6	105.6	5.8	110.5	104.4	98.9%	PASS				
GF	577	540' S of 2 ICB, 240' E of WT	6	20	GF-3-2	12.6	105.6	7.8	113.9	105.7	100.1%	PASS				
GF	578	360' S of 2 ICB, 240' E of WT	6	20	GF-3-2	12.6	105.6	5.0	105.3	100.3	95.0%	PASS				

COMMENTS: Drive Cylinder DR-23 was taken on sample GF-575
WT=West toe EPT= East Perimeter Berm Toe
ICB= Cell 2/3 Intercell Berm

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG (ASTM D 3017 AND ASTM D 292

PROJECT: J.E. D SOLID WASTE FACILITY
LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1
DESCRIPTION: CELL 3 CONSTRUCTION DATE: 19 Day JUNE Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: N. Borrow Area B3 MATERIAL TYPE Dr./Brwn Fine Sanc CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID TH/RH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FILED TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	582	560' S of 2 ICB, 60' E of WT	6	21	GF-3-2	12.6	105.6	10.1	115.5	104.9	99.3%	PASS				
GF	583	480' S of 2 ICB, 60' E of WT	6	21	GF-3-2	12.6	105.6	12.4	115.3	102.6	97.1%	PASS				
GF	584	560' S of 2 ICB, 120' E of WT	6	21	GF-3-2	12.6	105.6	9.9	112.5	102.4	96.9%	PASS				
GF	585	480' S of 2 ICB, 120' E of WT	6	21	GF-3-2	12.6	105.6	13.2	114.0	100.7	95.4%	PASS				
GF	586	560' S of 2 ICB, 300' E of WT	6	21	GF-3-2	12.6	105.6	9.0	113.5	104.1	98.6%	PASS				
GF	587	480' S of 2 ICB, 300' E of WT	6	21	GF-3-2	12.6	105.6	9.3	113.8	104.1	98.6%	PASS				
GF	588	540' S of 2 ICB, 420' E of WT	6	21	GF-3-2	12.6	105.6	6.5	111.2	104.4	98.9%	PASS				
GF	589	540' S of 2 ICB, 540' E of WT	6	21	GF-3-2	12.6	105.6	8.8	111.3	102.3	96.9%	PASS				
GF	590	540' S of 2 ICB, 120' E of WT	6	22	GF-3-2	12.6	105.6	6.5	105.7	99.2	94.0%		FAIL	GF-592	PASS	
GF	591	540' S of 2 ICB, 180' E of WT	6	22	GF-3-2	12.6	105.6	7.9	109.0	101.0	95.7%	PASS				
GF	592	580' S of 2 ICB, 180' E of WT	6	22	GF-3-2	12.6	105.6	8.1	110.0	101.8	96.4%	PASS				

COMMENTS: **Construction of the South ICB area **
ET= East Perimeter Berm Toe
ICB= Cell 2/3 Intercell Berm

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 292**

PROJECT: J.E. D SOLID WASTE FACILITY
LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1
DESCRIPTION: CELL 3 CONSTRUCTION DATE: 20 Day JUNE Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: N. Borrow Area B3 MATERIAL TYPE Dr./Brwn Fine Sanc CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID TH/RH

TEST NO		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FILED TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	593	420' S of 2 ICB, 60 ' E of WT	6	22	GF-3-2	12.6	105.6	9.2	115.2	105.5	99.9%	PASS				
GF	594	480' S of 2 ICB, 135 ' E of WT	6	22	GF-3-2	12.6	105.6	11.7	112.4	100.6	95.3%	PASS				
GF	595	480' S of 2 ICB, 270 ' E of WT	6	22	GF-3-2	12.6	105.6	8.6	109.3	100.6	95.3%	PASS				
GF	596	480' S of 2 ICB, 360 ' E of WT	6	22	GF-3-2	12.6	105.6	11.2	113.4	102.0	96.6%	PASS				
GF	597	480' S of 2 ICB, 390 ' E of WT	6	22	GF-3-2	12.6	105.6	7.5	109.8	102.1	96.7%	PASS				
GF	598	540' S of 2 ICB,540 ' E of WT	6	22	GF-3-2	12.6	105.6	10.4	114.1	103.4	97.9%	PASS				
GF	599	540' S of 2 ICB,180 ' E of WT	6	22	GF-3-2	12.6	105.6	10.0	115.9	105.4	99.8%	PASS				
GF	600	420' S of 2 ICB, 60' E of WT	6	23	GF-3-2	12.6	105.6	8.0	114.4	105.9	100.3%	PASS				
GF	601	540' S of 2 ICB,40 ' E of WT	6	23	GF-3-2	12.6	105.6	11.0	111.4	100.4	95.0%	PASS				
GF	602	520' S of 2 ICB,120 ' E of WT	6	23	GF-3-2	12.6	105.6	15.4	121.5	105.3	99.7%	PASS				
GF	603	520' S of 2 ICB,260 ' E of WT	6	23	GF-3-2	12.6	105.6	9.4	114.9	105.0	99.5%	PASS				

COMMENTS: **Construction of the South ICB area **
ET= East Perimeter Berm Toe WT= West toe
ICB= Cell 2/3 Intercell Berm NOTE**** South ICB lift 23 failed due to " excessive saturation" No tests were recorded due to "pumping action"

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 292**

PROJECT: J.E. D SOLID WASTE FACILITY
LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1
DESCRIPTION: CELL 3 CONSTRUCTION DATE: 21 Day JUNE Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: N. Borrow Area B3 MATERIAL TYPE Dr./Brwn Fine Sanc CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID TH/RH

TEST	NO.	TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FILED TEST RESULTS FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	RETEST PASS	RETEST FAIL
GF	604	South ICB, 25 ' E of WT	6	24	GF-3-2	12.6	105.6	10.1	113.9	103.5	98.0%	PASS				
GF	605	South ICB, 30 ' E of WT	12	23	GF-3-2	12.6	105.6	9.6	115.9	105.7	100.1%	PASS				
GF	606	South ICB, 120 ' E of WT	12	23	GF-3-2	12.6	105.6	7.6	114.2	106.1	100.5%	PASS				
GF	607	South ICB, 120 ' E of WT	6	24	GF-3-2	12.6	105.6	9.2	113.5	103.9	98.4%	PASS				
GF	608	South ICB, 230 ' E of WT	6	24	GF-3-2	12.6	105.6	9.3	109.1	99.8	94.5%		FAIL	GF-610	PASS	
GF	609	South ICB, 260 ' E of WT	12	22	GF-3-2	12.6	105.6	8.9	112.4	103.2	97.7%	PASS				
GF	610	South ICB, 230 ' E of WT	6	24	GF-3-2	12.6	105.6	7.4	109.9	102.3	96.9%	PASS				
GF	611	South ICB, 350 ' E of WT	6	24	GF-3-2	12.6	105.6	6.4	106.7	100.3	95.0%	PASS				
GF	612	South ICB, 370 ' E of WT	12	24	GF-3-2	12.6	105.6	5.7	108.9	103.0	97.6%	PASS				
GF	613	20'W of ET, 180' S of 2 ICB	12	5	GF-3-2	12.6	105.6	7.5	111.8	104.0	98.5%	PASS				
GF	614	20'W of ET, 240' S of 2 ICB	6	5	GF-3-2	12.6	105.6	9.9	112.4	102.3	96.9%	PASS				
GF	615	20'W of ET, 420' S of 2 ICB	6	25	GF-3-2	12.6	105.6	6.7	107.3	100.6	95.2%	PASS				
GF	616	20'W of ET, 580' S of 2 ICB	6	25	GF-3-2	12.6	105.6	6.4	112.0	105.3	99.7%	PASS				
GF	617	20'W of ET, 330' S of 2 ICB	6	25	GF-3-2	12.6	105.6	7.0	111.8	104.5	98.9%	PASS				
GF	618	20'W of ET, 160' S of 2 ICB	6	25	GF-3-2	12.6	105.6	6.8	108.9	102.0	96.6%	PASS				

COMMENTS: **Construction of the South ICB area ** Tested areas that were saturated by using 6 and 12 inch depth tests
ET= East Perimeter Berm Toe WT= West toe
ICB= Cell 2/3 Intercell Berm NOTE**** South ICB lift 23 failed due to " excessive saturation" No tests were recorded due to "pumping action"

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG (ASTM D 3017 AND ASTM D 2922

PROJECT: J.E. D SOLID WASTE FACILITY
LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1
DESCRIPTION: CELL 3 CONSTRUCTION DATE: 21 Day JUNE Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: N. Borrow Area B3 MATERIAL TYPE Dr./Brwn Fine Sanc CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID TH/RH

TEST NO.		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FILED TEST RESULTS						RETEST NO.	RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL		PASS	FAIL
GF	619	30' W of ET, 510' S of 2 ICB	6	5	GF-3-6	16.8	101.9	7.7	102.1	94.8	93.0%		FAIL	GF-621	PASS	
GF	620	30' W of ET, 450' S of 2 ICB	6	5	GF-3-6	16.8	101.9	6.4	108.3	101.8	99.9%	PASS				
GF	621	30' W of ET, 510' S of 2 ICB	6	5	GF-3-6	16.8	101.9	7.3	107.5	100.2	98.3%	PASS				
GF	622	30' W of ET, 360' S of 2 ICB	6	5	GF-3-6	16.8	101.9	7.2	109.7	102.3	100.4%	PASS				
GF	623	30' W of ET,260' S of 2 ICB	6	5	GF-3-6	16.8	101.9	7.4	107.8	100.4	98.5%	PASS				
GF	624	30' W of ET,195' S of 2 ICB	6	5	GF-3-6	16.8	101.9	9.5	110.6	101.0	99.1%	PASS				
GF	625	300' E of WT, 580' S of 2 ICB	6	26	GF-3-2	12.6	105.6	7.2	107.9	100.7	95.3%	PASS				
GF	626	180' E of WT, 580' S of 2 ICB	6	26	GF-3-2	12.6	105.6	7.2	110.9	103.5	98.0%	PASS				
GF	627	330' E of WT, 580' S of 2 ICB	6	26	GF-3-2	12.6	105.6	6.4	110.1	103.5	98.0%	PASS				
GF	628	60' W of ET, 540' S of 2 ICB	6	6	GF-3-2	12.6	105.6	5.8	109.9	103.9	98.4%	PASS				
GF	629	20' W of ET, 495' S of 2 ICB	6	6	GF-3-2	12.6	105.6	6.8	111.1	104.0	98.5%	PASS				
GF	630	45W of ET, 300' S of 2 ICB	6	6	GF-3-2	12.6	105.6	7.3	110.9	103.4	97.9%	PASS				

COMMENTS:
ET= East Perimeter Berm Toe WT= West toe
ICB= Cell 2/3 Intercell Berm Drive Cylinder DR-25 was taken on sample GF-625

GeoSyntec Consultants

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 292**

PROJECT: J.E. D SOLID WASTE FACILITY
LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1
DESCRIPTION: CELL 3 CONSTRUCTION DATE: 22 Day JUNE Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: N. Borrow Area B3 MATERIAL TYPE Dr./Brwn Fine Sanc CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID TH/RH

TEST NO		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FILED TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	631	30' W of ET, 540' S of 2 ICB	6	7	GF-3-2	12.6	105.6	6.3	112.0	105.4	99.8%	PASS				
GF	632	30' W of ET, 480' S of 2 ICB	6	7	GF-3-2	12.6	105.6	6.3	110.1	103.6	98.1%	PASS				
GF	633	30' W of ET,360' S of 2 ICB	6	7	GF-3-2	12.6	105.6	5.9	100.3	94.7	89.7%		FAIL	GF-634	PASS	
GF	634	30' W of ET,360' S of 2 ICB	6	7	GF-3-2	12.6	105.6	6.3	112.3	105.6	100.0%	PASS				
GF	635	30' W of ET,300' S of 2 ICB	6	7	GF-3-2	12.6	105.6	6.3	109.1	102.6	97.2%	PASS				
GF	636	60'E of WT, 540' S of 2 ICB	6	28	GF-3-2	12.6	105.6	5.7	109.6	103.7	98.2%	PASS				
GF	637	60'E of WT, 540' S of 2 ICB	12	27	GF-3-2	12.6	105.6	6.1	112.2	105.7	100.1%	PASS				
GF	638	240'E of WT, 540' S of 2 ICB	12	27	GF-3-2	12.6	105.6	6.2	112.0	105.5	99.9%	PASS				
GF	639	240'E of WT, 540' S of 2 ICB	6	28	GF-3-2	12.6	105.6	5.6	109.7	103.9	98.4%	PASS				
GF	640	530' S of 2 ICB, 25 ' Wof ET	6	8	GF-3-2	12.6	105.6	5.7	109.5	103.6	98.1%	PASS				
GF	641	450' S of 2 ICB, 25 ' W of ET	6	8	GF-3-2	12.6	105.6	6.9	109.2	102.2	96.7%	PASS				
GF	642	300' S of 2 ICB, 25 ' W of ET	6	8	GF-3-2	12.6	105.6	5.8	109.8	103.8	98.3%	PASS				
GF	643	480' S of 2 ICB, 25 ' W of ET	6	9	GF-3-2	12.6	105.6	12.1	115.8	103.3	97.8%	PASS				
GF	644	490' S of 2 ICB, 25 ' W of ET	6	10	GF-3-2	12.6	105.6	7.5	111.6	103.8	98.3%	PASS				
GF	645	370' S of 2 ICB, 25 ' W of ET	6	10	GF-3-2	12.6	105.6	6.0	106.3	100.3	95.0%	PASS				

COMMENTS: **Construction of the South ICB area ** Tested areas that were saturated by using 6 and 12 inch depth tests
ET= East Perimeter Berm Toe WT= West toe
ICB= Cell 2/3 Intercell Berm

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG **(ASTM D 3017 AND ASTM D 292**

PROJECT: J.E. D SOLID WASTE FACILITY
LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1
DESCRIPTION: CELL 3 CONSTRUCTION DATE: 22 Day JUNE Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: N. Borrow Area B3 MATERIAL TYPE Dr./Brwn Fine Sanc CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID TH/RH

TEST NO		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FILED TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	646	30' W of ET, 480' S of 2 ICB	6	10	GF-3-2	12.6	105.6	5.7	106.3	100.6	95.2%	PASS				
GF	647	30' W of ET, 600 S of 2 ICB	6	11	GF-3-2	12.6	105.6	8.7	110.6	101.7	96.4%	PASS				

COMMENTS: **Construction of the South ICB area ** Tested areas that were saturated by using 6 and 12 inch depth tests
ET= East Perimeter Berm Toe WT= West toe
ICB= Cell 2/3 Intercell Berm

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG (ASTM D 3017 AND ASTM D 2922

PROJEC J.E. D SOLID WASTE FACILITY

LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1

DESCRIPTION: CELL 3 CONSTRUCTION DATE: 5 Day JULY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 COMPACTION 95% MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: N. Borrow Area B3 MATERIAL TYPE Dr./Brwn Fine San CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID TH

TEST NO		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FILED TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	671	640' S OF 2 ICB,S 3 ICB	6	SB	GF-3-2	12.6	105.6	4.1	106.6	102.4	97.0%	PASS				
GF	672	540' S OF 2 ICB,20' E OF WICB	6	SB	GF-3-2	12.6	105.6	5.8	109.5	103.5	98.0%	PASS				
GF	673	400' S OF 2 ICB,20' E OF WICB	6	SB	GF-3-2	12.6	105.6	7.4	111.3	103.6	98.1%	PASS				
GF	674	300' S OF 2 ICB,20' E OF WICB	6	SB	GF-3-2	12.6	105.6	7.3	109.6	102.1	96.7%	PASS				
GF	675	300' S OF 2 ICB,20' E OF WICB	6	SB	GF-3-2	12.6	105.6	6.5	112.8	105.9	100.3%	PASS				

COMMENTS: LINER SUBBASE TESTING FINAL DENSITY TESTING

GEOSYNTEC CONSULTANTS

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG (ASTM D 3017 AND ASTM D 292

PROJEC J.E. D SOLID WASTE FACILITY

LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1

DESCRIPTION: CELL 3 CONSTRUCTION DATE: 5 Day JULY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 ___ COMPACTION 95% MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: N. Borrow Area B3 MATERIAL TYPE Dr./Brwn Fine San CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID TH

TEST NO		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FILED TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	676	640' S OF 2 ICB,240 E S3ICB	6	SB	GF-3-2	12.6	105.6	5.4	112.0	106.3	100.6%	PASS				

COMMENTS: LINER SUBBASE TESTING FINAL DENSITY TESTING

GeoSyntec Consultants

FIELD NUCLEAR MOISTURE/DENSITY TEST LOG (ASTM D 3017 AND ASTM D 292

PROJECT: J.E. D SOLID WASTE FACILITY
LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1
DESCRIPTION: CELL 3 CONSTRUCTION DATE: 6 Day JULY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 ___ COMPACTION 95% MOISTURE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: N. Borrow Area B3 MATERIAL TYPE Dr./Brwn Fine San CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID TH

TEST NO		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FILED TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	677	120' S OF 2 ICB, 60'E OF WC	6	SB	GF-3-2	12.6	105.6	8.8	113.7	104.5	99.0%	PASS				
GF	678	120' S OF 2 ICB, 20'E OF WC	6	SB	GF-3-2	12.6	105.6	7.3	109.9	102.4	97.0%	PASS				
GF	679	90' S OF 2 ICB, 60'E OF WC	6	SB	GF-3-2	12.6	105.6	8.0	111.2	103.0	97.5%	PASS				
GF	680	NW CORNER VALLEY CELL 3	6	SB	GF-3-2	12.6	105.6	7.1	109.3	102.1	96.6%	PASS				
GF	681	30' S OF 2 ICB, 60'E OF WC	6	SB	GF-3-2	12.6	105.6	11.1	115.8	104.2	98.7%	PASS				
GF	682	30' S OF 2 ICB, 120'E OF WC	6	SB	GF-3-2	12.6	105.6	4.6	104.9	100.3	95.0%	PASS				
GF	683	90' S OF 2 ICB, 120'E OF WC	6	SB	GF-3-2	12.6	105.6	7.7	113.1	105.0	99.4%	PASS				
GF	684	120' S OF 2 ICB, 120'E OF WC	6	SB	GF-3-2	12.6	105.6	8.4	109.2	100.7	95.4%	PASS				
GF	685	120' S OF 2 ICB, 190'E OF WC	6	SB	GF-3-2	12.6	105.6	4.2	106.7	102.4	97.0%	PASS				
GF	686	90' S OF 2 ICB, 190'E OF WC	6	SB	GF-3-2	12.6	105.6	4.2	106.0	101.7	96.3%	PASS				
GF	687	50' S OF 2 ICB, 190'E OF WC	6	SB	GF-3-2	12.6	105.6	5.5	107.9	102.3	96.9%	PASS				
GF	688	CELL 2 ICB, 190 E OF WC	6	SB	GF-3-2	12.6	105.6	6.8	107.9	101.0	95.7%	PASS				
GF	689	CELL 2 ICB, 120 E OF WC	6	SB	GF-3-2	12.6	105.6	7.2	113.1	105.5	99.9%	PASS				
GF	690	600' S OF 2 ICB, 330'E OF WC	6	SB	GF-3-2	12.6	105.6	5.8	109.5	103.5	98.0%	PASS				
GF	691	480' S OF 2 ICB, 330'E OF WC	6	SB	GF-3-2	12.6	105.6	6.0	110.7	104.4	98.9%	PASS				

COMMENTS: FINAL DENSITY TESTS-LINER SUBBASE
ET= East Perimeter Berm Toe WT= West toe
ICB= Cell 2/3 Intercell Berm

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FIELD NUCLEAR MOISTURE/DENSITY TEST LOG (ASTM D 3017 AND ASTM D 292

PROJECT: J.E. D SOLID WASTE FACILITY
LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1
DESCRIPTION: CELL 3 CONSTRUCTION DATE: 7 Day JULY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 95% COMPACTION MOISTURE RANGE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: N. Borrow Area B3 MATERIAL TYPE Dr./Brwn Fine Sanc CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID TH

TEST NO		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FILED TEST RESULTS						RETEST NO.	RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL		PASS	FAIL
GF	692	360' W of ET, 600' S of 2 ICB	6	SB	GF-3-2	12.6	105.6	4.3	110.2	105.7	100.1%	PASS				
GF	693	360' W of ET, 480' S of 2 ICB	6	SB	GF-3-2	12.6	105.6	5.8	112.3	106.1	100.5%	PASS				
GF	694	480' W of ET, 390' S of 2 ICB	6	SB	GF-3-2	12.6	105.6	3.8	107.4	103.5	98.0%	PASS				
GF	695	480' W of ET, 600' S of 2 ICB	6	SB	GF-3-2	12.6	105.6	5.7	109.8	103.9	98.4%	PASS				
GF	696	360' W of ET,390' S of 2 ICB	6	SB	GF-3-2	12.6	105.6	7.6	107.9	100.3	95.0%	PASS				
GF	697	390'E of WT, 390' S of 2 ICB	6	SB	GF-3-2	12.6	105.6	5.2	111.2	105.7	100.1%	PASS				
GF	698	290'E of WT, 390' S of 2 ICB	6	SB	GF-3-2	12.6	105.6	5.2	110.3	104.8	99.3%	PASS				
GF	699	345'E of WT, 290' S of 2 ICB	6	SB	GF-3-2	12.6	105.6	5.8	107.0	101.1	95.8%	PASS				

COMMENTS: LINER SUBBASE-FINAL DENSITY TESTS
ET= East Perimeter Berm Toe WT= West toe
ICB= Cell 2/3 Intercell Berm

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FIELD NUCLEAR MOISTURE/DENSITY TEST LOG (ASTM D 3017 AND ASTM D 2922

PROJECT: J.E. D SOLID WASTE FACILITY

LOCATION: OSCEOLA COUNTY FLORIDA PROJECT NO.: FQ 0952 TASK NO.: 1

DESCRIPTION: CELL 3 CONSTRUCTION DATE: 10 Day JULY Month 2006 Year

SPECIFICATION REQUIRMENTS: ASTM D 698 COMPACTION 95% MOISTURE NA LIFT THICKNESS COMPACTED 8-in

MATERIAL SOURCE: N. Borrow Area B3 MATERIAL TYPE Dr./Brwn Fine San CORRECTION FACTOR Y = N/A

NUCLEAR GAUGE TYPE Troxler 3430 GAUGE SERIAL 22295 QA ID TH

TEST NO		TEST LOCATION	PROBE DEPTH	LIFT NO.	LAB RESULTS			FILED TEST RESULTS							RETEST	
					SAMPLE NO.	OMC (%)	MAX DRY UNIT WT (PCF)	FMC (%)	WET UNIT WT (PCF)	DRY UNIT WT (PCF)	PERCENT COMPACT	PASS	FAIL	RETEST NO.	PASS	FAIL
GF	700	40' S of 2 ICB, 300' E of WC	6	SB	GF-3-2	12.6	105.6	7.8	108.6	100.7	95.4%	PASS				
GF	701	120' S of 2 ICB, 300' E of WC	6	SB	GF-3-2	12.6	105.6	6.8	108.1	101.2	95.8%	PASS				
GF	702	180' S of 2 ICB, 300' E of WC	6	SB	GF-3-2	12.6	105.6	6.0	110.6	104.3	98.8%	PASS				
GF	703	240' S of 2 ICB, 300' E of WC	6	SB	GF-3-2	12.6	105.6	4.9	108.1	103.1	97.6%	PASS				
GF	704	240' S of 2 ICB, 240' E of WC	6	SB	GF-3-2	12.6	105.6	4.8	107.4	102.5	97.0%	PASS				
GF	705	180' S of 2 ICB, 240' E of WC	6	SB	GF-3-2	12.6	105.6	5.4	110.2	104.6	99.0%	PASS				
GF	706	120' S of 2 ICB, 240' E of WC	6	SB	GF-3-2	12.6	105.6	5.1	108.0	102.8	97.3%	PASS				
GF	707	40' S of 2 ICB, 240' E of WC	6	SB	GF-3-2	12.6	105.6	7.2	111.7	104.2	98.7%	PASS				
GF	708	40' S of 2 ICB, 360' E of WC	6	SB	GF-3-2	12.6	105.6	7.2	109.7	102.3	96.9%	PASS				
GF	709	120' S of 2 ICB, 360' E of WC	6	SB	GF-3-2	12.6	105.6	7.4	107.8	100.4	95.0%	PASS				
GF	710	180' S of 2 ICB, 360' E of WC	6	SB	GF-3-2	12.6	105.6	6.5	111.6	104.8	99.2%	PASS				
GF	711	240' S of 2 ICB, 360' E of WC	6	SB	GF-3-2	12.6	105.6	7.2	107.9	100.7	95.3%	PASS				

COMMENTS: FINAL DENSITY TESTS-LINER SUBBASE

ET= East Perimeter Berm Toe WC= West crest

ICB= Cell 2/3 Intercell Berm

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Material Inventory

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type: gml : 1 ***Manufacturer:*** AGRU ***Product Type:*** 60 MIL HDPE

Inventory					*Q.A. Conformance*				*Q.C. Documents*			
Inv Date	***Batch-Roll***	***Width*** (ft.)	***Length*** (ft.)	***QA ID***	***Date***	***Samp No***	***Result***	***QAID***	***Date Rec***	***Date Ckk***	***Result***	***QAID***
Accepted Rolls												
8/21/2006	0115	23	410	RH								
8/21/2006	0116	23	410	RH								
8/21/2006	0117	23	410	RH								
8/21/2006	0218	23	410	RH								
8/21/2006	0219	23	410	RH								
7/7/2006	4346	23	410	TH								
7/7/2006	4347	23	410	TH								
7/7/2006	4348	23	410	TH								
7/7/2006	4349	23	410	TH								
7/7/2006	4350	23	410	TH								
7/7/2006	4351	23	410	TH								
7/7/2006	4352	23	410	TH								
7/7/2006	4353	23	410	TH								
7/7/2006	4354	23	410	TH								
7/7/2006	4355	23	410	TH								
7/7/2006	4356	23	410	TH								
7/7/2006	4357	23	410	TH								
7/7/2006	4358	23	410	TH								
2/12/2006	4458	23	410	RH								
7/7/2006	4459	23	410	TH								
7/7/2006	4460	23	410	TH								
7/7/2006	4461	23	410	TH								
7/7/2006	4462	23	410	TH								
7/7/2006	4463	23	410	TH								
7/7/2006	4465	23	410	TH								
7/7/2006	4466	23	410	TH								
7/7/2006	4467	23	410	TH								
7/7/2006	4468	23	410	TH								

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Material Inventory

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type: gml : 1 ***Manufacturer:*** AGRU ***Product Type:*** 60 MIL HDPE

Inventory					*Q.A. Conformance*				*Q.C. Documents*			
Inv Date	***Batch-Roll***	***Width*** (ft.)	***Length*** (ft.)	***QA ID***	***Date***	***Samp No***	***Result***	***QAID***	***Date Rec***	***Date Ckk***	***Result***	***QAID***
7/7/2006	4469	23	410	TH								
7/7/2006	4470	23	410	TH								
7/7/2006	4471	23	410	TH								
7/7/2006	4472	23	410	TH								
7/7/2006	4473	23	410	TH								
7/7/2006	4474	23	410	TH								
7/7/2006	4475	23	410	TH								
7/7/2006	4476	23	410	TH								
7/7/2006	4477	23	410	TH								
7/7/2006	4578	23	410	TH								
7/7/2006	4579	23	410	TH								
7/7/2006	4580	23	410	TH								
7/7/2006	4581	23	410	TH								
7/10/2006	4582	23	410	TH								
7/7/2006	4583	23	410	TH								
7/10/2006	4584	23	410	TH								
7/7/2006	4585	23	410	TH								
7/7/2006	4586	23	410	TH								
7/7/2006	4587	23	410	TH								
7/7/2006	4588	23	410	TH								
7/7/2006	4589	23	410	TH								
7/7/2006	4590	23	410	TH								
7/10/2006	4591	23	410	TH								
7/7/2006	4592	23	410	TH								
7/7/2006	4593	23	410	TH								
7/7/2006	4594	23	410	TH								
7/7/2006	4595	23	410	TH								
7/7/2006	4596	23	410	TH								
7/7/2006	4597	23	410	TH								

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WSI

Material Inventory

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type: gml : 1 ***Manufacturer:*** AGRU ***Product Type:*** 60 MIL HDPE

Inventory					*Q.A. Conformance*				*Q.C. Documents*			
Inv Date	***Batch-Roll***	***Width*** (ft.)	***Length*** (ft.)	***QA ID***	***Date***	***Samp No***	***Result***	***QAID***	***Date Rec***	***Date Ckk***	***Result***	***QAID***
7/7/2006	4698	23	410	TH								
7/10/2006	5108	23	410	TH								
7/7/2006	5109	23	410	TH								
7/7/2006	5110	23	410	TH								
7/7/2006	5111	23	410	TH								
7/7/2006	5112	23	410	TH								
7/7/2006	5113	23	410	TH								
7/10/2006	5114	23	410	TH								
7/10/2006	5115	23	410	TH								
7/10/2006	5216	23	410	TH								
7/10/2006	5217	23	410	TH								
7/10/2006	5218	23	410	TH								
7/10/2006	5219	23	410	TH								
7/10/2006	5220	23	410	TH								
7/10/2006	5221	23	410	TH								
7/10/2006	5222	23	410	TH								
7/10/2006	5223	23	410	TH								
7/10/2006	5224	23	410	TH								
7/10/2006	5225	23	410	TH								
7/10/2006	5226	23	410	TH								
7/10/2006	5227	23	410	TH								
7/10/2006	5228	23	410	TH								
7/10/2006	5229	23	410	TH								
7/10/2006	5230	23	410	TH								
7/10/2006	5231	23	410	TH								
7/10/2006	5232	23	410	TH								
7/10/2006	5233	23	410	TH								
7/10/2006	5234	23	410	TH								
7/10/2006	5335	23	410	TH								

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Material Inventory

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type: gml : 1 ***Manufacturer:*** AGRU ***Product Type:*** 60 MIL HDPE

Inventory					*Q.A. Conformance*				*Q.C. Documents*			
Inv Date	***Batch-Roll***	***Width*** (ft.)	***Length*** (ft.)	***QA ID***	***Date***	***Samp No***	***Result***	***QAID***	***Date Rec***	***Date Ckk***	***Result***	***QAID***
7/10/2006	5336	23	410	TH								
7/10/2006	5337	23	410	TH								
7/10/2006	5338	23	410	TH								
7/10/2006	5339	23	410	TH								
7/10/2006	5340	23	410	TH								
7/10/2006	5341	23	410	TH								
7/10/2006	5342	23	410	TH								
7/10/2006	5343	23	410	TH								
7/10/2006	5344	23	410	TH								
7/10/2006	5345	23	410	TH								
7/10/2006	5346	23	410	TH								
7/10/2006	5347	23	410	TH								
7/10/2006	5348	23	410	TH								
7/10/2006	5349	23	410	TH								
7/10/2006	5350	23	410	TH								
7/10/2006	5351	23	410	TH								
7/10/2006	5352	23	410	TH								
7/10/2006	5453	23	410	TH								
7/10/2006	5454	23	410	TH								
7/10/2006	5455	23	410	TH								
7/10/2006	5456	23	410	TH								
7/10/2006	5457	23	410	TH								
7/10/2006	5458	23	410	TH								
7/10/2006	5459	23	410	TH								
7/10/2006	5460	23	410	TH								
7/10/2006	5461	23	410	TH								
7/10/2006	5462	23	410	TH								

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Material Inventory

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type: gml : 1 ***Manufacturer:*** AGRU ***Product Type:*** 60 MIL HDPE

Inventory					*Q.A. Conformance*				*Q.C. Documents*			
Inv Date	***Batch-Roll***	***Width*** (ft.)	***Length*** (ft.)	***QA ID***	***Date***	***Samp No***	***Result***	***QAID***	***Date Rec***	***Date Ckk***	***Result***	***QAID***

Average Roll Width(ft.): 23 ***Average Roll Length(ft.): 410***

Total Number of Rolls: 113 ***Cumulative Area(sq.ft.): 1065590***

Total Number of Conformance Tests: 0

Comments:

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Trial Seam Log - Fusion

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Tensiometer Description Acrulite PW-5000

Material Type gml : 1 Peel Inside: 78 ppi Shear: 120 ppi
Peel Outside: 78 ppi

Trial Seam No	Date	Time	Mach ID	Oper ID	Mat Desc	Fusion		Test Results					QA ID
						Wedge ° Celsius	Speed ft./Min	Peel In	Peel Out	Shear	Unit ppi/psi	Result	
0001	7/13/2006	8:13	75200015	BR	S/S	800	75	104/106	105/108	161,178	PPI	P	TH
0002	7/13/2006	9:00	75200020	HEP	S/S	765	55	112/110	109/105	153,151	PPI	P	RH
0003	7/13/2006	9:15	7521	RA	S/S	765	70	95/103	109/106	150,156	PPI	P	RH
0004	7/13/2006	12:30	75200020	HEP	S/S	765	55	110/99	102/106	146/151	PPI	P	RH
0005	7/13/2006	12:40	7521	RA	S/S	765	70	103/116	121/112	156/158	PPI	P	RH
0006	7/13/2006	12:51	75200015	BR	S/S	800	70	101/101	108/101	151/157	PPI	P	RH
0007	7/14/2006	7:15	75200020	HEP	S/S	800	50	137/126	125/131	175/169	PPI	P	RH
0008	7/14/2006	7:25	7521	RA	S/S	765	60	124/127	125/125	155/150	PPI	P	RH
0009	7/14/2006	7:34	7521	RA	T/T	765	60	129/127	130/125	172/150	PPI	P	RH
0010	7/14/2006	7:42	75200015	BR	S/S	800	75	129/130	132/115	172/172	PPI	P	RH
0011	7/14/2006	7:50	75200015	BR	T/T	800	75	121/130	130/115	158/172	PPI	P	RH
0012	7/14/2006	10:00	75200020	HEP	S/T	800	40	120/114	120/125	130/130	ppi	P	RH
0013	7/15/2006	7:45	7521	RA	T/T	775	65	103/108	109/107	166/172	PPI	P	RH
0014	7/15/2006	7:52	75200015	BR	S/S	800	75	119/130	127/132	167,158	PPI	P	RH
0015	7/15/2006	8:00	75200020	HEP	S/S	800	45	123/124	126/111	168,156	PPI	p	RH
0016	7/17/2006	8:20	75200020	HEP	S/S	800	45	119/114	113/111	167,155	PPI	P	RH
0017	7/17/2006	8:35	7521	RA	S/S	775	65	132/125	139/129	167,152	PPI	P	RH
0018	7/17/2006	8:33	75200015	BR	S/S	800	75	132/139	119/127	155,157	PPI	P	RH
0019	7/23/2006	6:20	75200020	HEP	S/S	800	45	122/116	108/132	166,156	PPI	P	RH
0020	7/23/2006	6:28	75200020	HEP	S/T	800	40	108/111	106/109	158,160	PPI	P	RH
0021	7/23/2006	6:36	7521	RA	S/S	775	65	130/114	127/116	163,160	PPI	P	RH
0022	7/23/2006	6:50	7515	PGM	S/S	765	60	110/111	105/106	158,158	PPI	P	RH
0023	7/23/2006	7:00	75200015	BR	S/S	800	75	123/110	106/130	153,161	PPI	P	RH
0024	7/24/2006	7:10	7521	RA	S/S	775	65	124/121	118/127	164,161	PPI	P	RH
0025	7/24/2006	7:17	7521	RA	S/T	775	60	126/130	126/132	154,150	PPI	P	RH
0026	7/24/2006	7:25	75200020	HEP	S/S	800	45	116/121	116/109	172,168	PPI	P	RH
0027	7/24/2006	7:32	75200020	HEP	S/T	800	40	134/118	120/141	149,150	PPI	P	RH
0028	7/24/2006	7:40	75200020	HEP	T/T	800	40	124/118	123/132	156,152	PPI	P	RH
0029	7/27/2006	6:39	7515	PGM	S/S	765	60	113/124	120/107	154,156	PPI	P	RH
0030	7/24/2006	6:40	75200015	BR	S/S	800	75	119/108	116/120	157,151	PPI	P	RH
0031	7/27/2006	6:00	7521	RA	S/S	775	60	124/127	118/117	162,155	PPI	P	RH
0032	7/27/2006	6:10	7515	PGM	S/S	765	55	124/121	125/121	172,163	PPI	P	RH
0033	7/27/2006	6:45	75200020	HEP	S/S	800	45	125/134	126/135	177,175	PPI	P	RH
0034	7/27/2006	6:30	75200015	BR	S/S	800	75	119/118	121/125	165.154	PPI	P	RH

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Trial Seam Log - Fusion

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Tensiometer Description Acrulite PW-5000

Material Type gml : 1 Peel Inside: 78 ppi Shear: 120 ppi
Peel Outside: 78 ppi

Trial Seam No	Date	Time	Mach ID	Oper ID	Mat Desc	Fusion		Test Results					QA ID
						Wedge ° Celsius	Speed ft./Min	Peel In	Peel Out	Shear	Unit ppi/psi	Result	
0035	7/27/2006	7:10	75200009	RR	S/S	800	70	111/118	110/111	160,150	PPI	P	RH
0036	7/27/2006	9:40	75200020	HEP	S/T	800	40	109/103	123/110	152,153	PPI	P	RH
0037	7/27/2006	9:50	75200020	HEP	T/T	800	40	106/103	114/113	154,154	PPI	P	RH
0038	7/27/2006	10:40	7521	RA	T/T	775	60	130/136	137/136	158,161	PPI	P	RH
0039	7/27/2006	13:50	75200020	HEP	S/S	800	45	115/120	112/131	155,151	PPI	P	RH
0040	7/27/2006	14:00	75200020	HEP	T/T	800	40	136/120	121/125	136,140	PPI	P	RH
0041	7/27/2006	14:10	75200015	BR	S/S	800	75	124/110	103/116	167,165	PPI	P	RH
0042	7/27/2006	14:20	75200015	BR	T/T	800	75	131/128	137/132	161,157	PPI	P	RH
0043	8/2/2006	6:00	75200020	HEP	S/S	800	45	119/115	116/115	154,152	PPI	P	RH
0044	8/2/2006	6:10	75200020	HEP	S/T	800	40	113/102	108/119	160,158	PPI	P	RH
0045	8/2/2006	6:18	75200015	BR	S/S	800	75	118/123	113/123	160,158	PPI	P	RH
0046	8/2/2006	6:26	75200015	BR	T/T	800	75	106/136	130/111	168,166	PPI	P	RH
0047	8/2/2006	6:40	7515	PGM	S/S	765	55	116/118	125/124	161,166	PPI	P	RH
0048	8/2/2006	6:40	7521	AM	S/S	800	75	123/134	132/126	155,154	PPI	P	RH
0049	8/2/2006	12:40	75200020	HEP	S/S	800	45	148/130	125/124	146,139	PPI	P	RH
0050	8/2/2006	11:26	75200020	HEP	T/T	800	40	112/113	110/114	145,142	PPI	P	RH
0051	8/2/2006	13:10	7521	AM	S/S	800	75	105/118	110/109	142,140	PPI	P	RH
0052	8/2/2006	13:20	7515	PGM	S/S	765	65	107/104	111/110	141,148	PPI	P	RH
0053	8/3/2006	13:30	75200015	BR	S/S	700	65	111/120	112/105	156,155	PPI	P	RH
0054	8/2/2006	13:38	75200015	BR	T/T	700	65	107/113	110/123	145,141	PPI	P	RH
0055	8/2/2006	18:30	7521	AM	S/S	800	75	121/109	116/120	151,153	PPI	P	RH
0056	8/3/2006	18:40	7515	PGM	S/S	765	60	124/116	123/130	157,159	PPI	P	RH
0057	8/2/2006	18:50	75200015	FL	S/S	800	45	112/111	119/118	155,152	PPI	P	RH
0058	8/2/2006	19:00	75200015	FL	S/T	800	45	126/131	127/114	146,151	PPI	P	RH
0059	8/2/2006	19:00	75200020	HEP	S/T	800	40	109/112	100/103	148,142	PPI	P	RH
0060	8/2/2006	19:00	75200020	HEP	T/T	800	40	106/108	110/105	147,142	PPI	P	RH
0061	8/2/2006	20:00	7515	PGM	S/T	765	60	113/110	104/113	162,168	PPI	P	RH
0062	8/17/2006	7:01	75200015	FL	S/S	800	45	111/120	114/117	153,155	PPI	P	RH
0063	8/17/2006	7:05	75200015	FL	T/T	800	45	123/118	116/115	130,145	PPI	P	RH
0064	8/17/2006	7:00	7521	BR	S/S	800	75	120/116	118/119	145,149	PPI	P	RH
0065	8/17/2006	7:15	75200020	HEP	S/S	800	45	110/113	112/115	137,139	PPI	P	RH
0066	8/17/2006	7:20	75200020	HEP	S/T	800	40	117/125	120/121	142,143	PPI	P	RH
0067	8/17/2006	7:30	7515	PGM	S/S	765	55	112/116	110/118	140,150	PPI	P	RH
0068	8/21/2006	8:00	7521	AM	S/S	800	75	131/120	130/123	159,164	PPI	P	RH

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Trial Seam Log - Fusion

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Tensiometer Description Acrulite PW-5000

Material Type gml : 1 Peel Inside: 78 ppi Shear: 120 ppi
Peel Outside: 78 ppi

Trial Seam No	Date	Time	Mach ID	Oper ID	Mat Desc	Fusion		Test Results					QA ID
						Wedge ° Celsius	Speed ft./Min	Peel In	Peel Out	Shear	Unit ppi/psi	Result	
0069	8/21/2006	8:05	75200015	BR	S/S	800	70	121/120	123/126	157,157	PPI	P	RH
0070	8/21/2006	8:05	75200020	HEP	S/S	800	45	121/109	127/110	155,157	PPI	P	RH
0071	8/21/2006	8:05	7515	PGM	S/S	765	60	123/121	121/120	155,160	PPI	P	RH
0072	8/23/2006	7:03	75200020	HEP	S/S	800	45	123/130	121/126	141,161	PPI	P	RH
0073	8/23/2006	7:20	75200009	PGM	S/S	765	60	126/125	132/135	157,168	PPI	P	RH
0074	8/23/2006	7:08	75200015	RR	S/S	800	75	139/125	129/124	156,170	PPI	P	RH
0075	8/23/2006	7:10	7521	AM	S/S	800	70	125/130	135/129	147,146	PPI	P	RH
0076	8/28/2006	6:50	75200009	PGM	S/S	765	60	136/135	134/129	176,170	PPI	P	RH
0077	8/28/2006	7:00	7521	AM	S/S	800	70	145/140	144/134	168,170	PPI	P	RH
0078	8/28/2006	7:42	7547	JM	S/S	800	40	123/120	107/126	161,160	PPI	P	RH
0079	8/28/2006	7:20	75200020	HEP	S/T	800	40	146/132	116/135	172,155	PPI	P	RH
0080	8/28/2006	7:17	75200020	HEP	S/S	800	45	116/134	123/125	166,168	PPI	P	RH
0081	8/28/2006	7:11	75200015	RR	S/S	800	78	121/130	116/125	167,163	PPI	P	RH
0082	8/28/2006	11:40	75200009	PGM	S/T	765	70	111/108	113/109	116,117	PPI	P	RH
0083	8/28/2006	14:00	75200020	HEP	S/T	800	40	103/105	108/101	126,128	PPI	P	RH
0084	8/28/2006	1:55	75200020	HEP	S/S	800	45	94/95	97/100	119,119	PPI	P	RH
0085	8/28/2006	13:50	7521	AM	S/S	800	70	105/103	108/111	116,118	PPI	P	RH
0086	8/28/2006	17:10	75200015	RR	S/S	700	60	104/103	102/105	134,135	PPI	P	RH
0087	8/28/2006	18:45	75200009	RA	S/S	780	50	120/111	110/114	134,139	PPI	P	RH
0088	9/3/2006	7:30	75200015	RR	S/S	800	65	127/118	129/130	159,157	PPI	P	RH
0089	9/3/2006	7:50	75200020	HEP	S/T	800	40	123/130	127/129	152,150	PPI	P	RH
0090	9/3/2006	8:43	75200020	HEP	S/S	800	45	125/127	123/124	166,161	PPI	P	RH
0091	9/3/2006	7:49	75200009	PGM	S/S	765	60	130/135	119/131	171,168	PPI	P	RH
0092	9/3/2006	8:45	7521	AM	S/S	800	75	121/104	121/121	161,163	PPI	P	RH
0093	9/3/2006	11:40	75200020	HEP	T/T	800	40	120/129	115/113	130,133	PPI	P	RH
0094	9/6/2006	11:30	75200020	HEP	T/T	800	40	101/110	109/105	126,127	PPI	P	RH
0095	9/6/2006	11:35	75200020	HEP	S/T	800	45	109/98	105/102	126,127	PPI	P	RH
0096	9/7/2006	8:45	7521	AM	S/S	800	75	126/109	115/130	173,170	PPI	P	RH
0097	9/7/2006	8:45	75200009	PGM	S/S	780	45	119/119	118/123	168,165	PPI	P	RH
0098	9/7/2006	8:50	75200015	HEP	S/S	800	45	130/130	127/119	155,150	PPI	P	RH
0099	9/7/2006	8:53	75200015	HEP	T/T	800	40	121/130	124/128	136,134	PPI	P	RH
0101	9/7/2006	14:00	75200015	HEP	S/S	800	45	129/132	123/119	148,144	PPI	P	RH
0102	9/7/2006	14:10	75200015	HEP	T/T	800	40	114/115	116/116	125,128	PPI	P	RH
0103	9/7/2006	14:18	7521	AM	S/S	800	75	118/119	116/111	129,128	PPI	P	RH

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Trial Seam Log - Fusion

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Tensiometer Description Acrulite PW-5000

Material Type gml : 1 Peel Inside: 78 ppi Shear: 120 ppi
Peel Outside: 78 ppi

Trial Seam No	*Date*	*Time*	*Mach ID*	*Oper ID*	*Mat Desc*	*Fusion*		*Test Results*					*QA ID*
						Wedge ° Celsius	*Speed ft./Min*	*Peel In*	*Peel Out*	*Shear*	*Unit ppi/psi*	*Result*	
0104	9/7/2006	14:15	75200009	PGM	S/S	780	45	118/115	108/120	145,147	PPI	P	RH
0105	9/9/2006	9:30	7547	HEP	T/T	760	40	110/124	123/123	148,157	PPI	P	RH
0106	9/9/2006	9:35	7547	HEP	S/S	760	45	117/113	116/110	153,151	ppi	p	RH

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Trial Seam Log - Extrusion

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Tensiometer Description Acrulite PW-5000

Material Type gml : 1 *Peel:* 70 ppi *Shear:* 108 ppi

Trial Seam No	*Date*	*Time*	*Mach ID*	*Oper ID*	*Mat Desc*	*Extrusion*		*Test Results*				*Retest No*	*QA ID*
						Pre heat ° Celsius	*Barrel ° Celsius*	*Peel*	*Shear*	*Unit ppi/psi*	*Result P/F*		
001	7/15/2006	13:39	1	CC	T/T	200	450	121,115	141,156	PPI	P		RH
002	7/14/2006	13:38	74-28	HEP	T/T	450	260	126,113	144,155	PPI	P		RH
003	7/14/2006	13:48	74300003	RA	T/T	450	225	103,109	149,160	PPI	P		RH
004	7/15/2006	8:20	74300003	CC	T/T	450	250	93,106	153,156	PPI	P		RH
005	7/15/2006	8:38	74-28	PGM	T/T	480	200	121,117	161,166	PPI	P		RH
006	7/15/2006	8:28	74300003	NV	T/T	450	250	89,106	152,157	PPI	P		RH
007	7/21/2006	13:30	74300009	HEP	EXT/T	350	450	90, 89	120, 125	ppi	P		RH
008	7/21/2006	13:35	74300009	HEP	T/T	350	450	75,78	127,120	ppi	P		RH
009	7/22/2006	7:30	74300009	HEP	EXT/ T	300	450	139,126	137,142	ppi	P		RH
010	7/22/2006	8:30	74300003	HEP	EXT/ T	300	450	126,118	141,143	ppi	P		RH
011	7/23/2006	10:10	74300003	HEP	T/T	480	540	134,127	147,161	PPI	P		RH
012	7/24/2006	10:25	74300003	RA	T/T	300	450	127,123	144,138	PPI	P		RH
013	7/25/2006	7:10	74300003	RA	T/T	300	450	123,112	165,159	PPI	P		RH
014	7/25/2006	7:40	7436	HEP	T/T	420	480	115,118	163,155	PPI	P		RH
015	7/25/2006	7:50	7403	PGM	T/T	350	500	110,111	163,165	PPI	P		RH
016	7/27/2006	13:40	74300003	RA	T/T	300	450	124,129	149,147	ppi	p		RH
017	7/27/2006	14:30	7403	PGM	T/T	300	500	113,99	163,166	PPI	P		RH
018	7/27/2006	14:30	74300003	PGM	T/T	300	450	113,99	163,166	PPI	P		RH
019	7/28/2006	8:00	7436	HEP	T/T	480	430	110,102	151,157	PPI	P		RH
020	7/28/2006	8:16	74300003	RA	T/T	300	4550	103,100	144,142	PPI	P		RH
021	8/2/2006	15:20	7436	HEP	T/T	400	450	94,97	156,154	PPI	P		RH
022	8/2/2006	22:00	7436	HEP	T/T	400	450	102/104	148/151	PPI	P		RH
023	8/3/2006	10:45	7403	PGM	T/T	300	500	110,116	144,148	PPI	P		RH
024	8/3/2006	10:45	74300003	FL	T/T	400	450	114/123	146,142	PPI	P		RH
025	8/17/2006	10:03	74300003	BR	T/T	351	480	121,120	132,135	PPI	P		RH
026	8/17/2006	10:20	7403	FL	T/T	400	450	118,120	130,132	PPI	P		RH
027	8/18/2006	10:14	7403	BR	T/T	350	480	102,104	128,127	PPI	P		RH
028	8/19/2006	8:00	7403	FL	T/T	400	450	121,130	136,138	PPI	P		RH
029	8/19/2006	8:10	7436	HEP	T/T	420	450	100,123	134,133	PPI	P		RH
030	8/22/2006	7:22	7436	SL	T/T	480	500	132,119	139,139	PPI	P		RH
031	8/22/2006	7:30	7403	HEP	T/T	450	500	135,134	152,154	PPI	P		RH
032	8/23/2006	10:10	7403	SL	T/T	450	500	116,137	152,150	PPI	P		RH
033	8/28/2006	16:05	7443	RA	T/T	400	500	111,115	118,117	PPI	P		RH
034	8/29/2006	8:10	7427	AL	T/T	400	500	130,124	132,134	PPI	P		RH

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Trial Seam Log - Extrusion

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Tensiometer Description Acrulite PW-5000

Material Type gml : 1 *Peel:* 70 ppi *Shear:* 108 ppi

Trial Seam No	*Date*	*Time*	*Mach ID*	*Oper ID*	*Mat Desc*	*Extrusion*		*Test Results*				*Retest No*	*QA ID*
						Pre heat ° Celsius	*Barrel ° Celsius*	*Peel*	*Shear*	*Unit ppi/psi*	*Result P/F*		
035	8/29/2006	8:15	7403	PGM	T/T	300	400	115,116	132,131	PPI	P		RH
036	8/29/2006	8:20	74300013	AM	T/T	300	480	116,108	143,143	PPI	P		RH
037	8/29/2006	8:25	7445	SMT	T/T	400	480	125,114	142,144	PPI	P		RH
038	8/29/2006	8:30	7443	BR	T/T	300	500	90.95	156,157	PPI	P		RH
039	8/30/2006	11:17	7427	HEP	T/T	400	500	131,129	136,137	PPI	P		RH
040	9/1/2006	7:38	7427	HEP	T/T	400	500	123,114	150,151	PPI	P		RH
041	9/4/2006	8:08	74300003	HEP	T/T	400	470	124,97	145,147	PPI	P		RH
042	9/4/2006	8:00	7403	CM	T/T	400	506	127,111	148,149	PPI	P		RH
043	9/4/2006	8:10	7427	PGM	T/T	400	480	113,106	142,143	PPI	P		RH
044	9/4/2006	13:35	7427	PGM	T/T	300	480	116,118	127,125	PPI	P		RH
045	9/4/2006	13:31	74300003	HEP	T/T	400	470	118,115	120,123	PPI	P		RH
046	9/4/2006	13:38	7403	CM	T/T	480	495	121,116	127,129	PPI	P		RH
047	9/6/2006	14:20	7403	SM	T/T	480	495	135,131	132,138	PPI	P		RH
048	9/8/2006	8:05	7403	SM	T/T	490	506	136,139	152,142	PPI	P		RH
049	9/8/2006	8:10	7427	PGM	T/T	350	480	113,127	136,137	PPI	P		RH
050	9/8/2006	8:15	74300003	HEP	T/T	370	470	106,108	146,148	PPI	P		RH
051	9/9/2006	14:05	74300003	HEP	T/T	480	400	133,138	150,153	ppi	P		RH
052	9/9/2006	14:15	7427	PGM	T/T	480	350	130,128	149,139	ppi	P		RH
053	9/9/2006	14:15	7403	SM	T/T	500	450	132,129	159,157	ppi	P		RH
054	9/11/2006	8:35	74300003	HEP	T/T	470	340	136, 119	159,157	ppi	P		RH
055	9/12/2006	8:05	74300003	SM	T/T	500	450	130,129	145,139	ppi	P		RH
056	9/15/2006	13:10	74300003	HEP	T/T	500	400	135,129	147,140	ppi	P		RH

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Panel Placement Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Primary / Secondary: Secondary Series: 1 Material Type: gml

Panel	*Batch-Roll*	*Date*	*Time*	*Placement/Location/Comments*	*Width (ft.)*	*Length (ft.)*	*QA ID*
1	5112	7/13/2006	10:30	swc	22.5	33	TH
2	5112	7/13/2006	10:32	swc	22.5	18	TH
3	5112	7/13/2006	10:34	swc	22.5	33	TH
4	5112	7/13/2006	10:36	swc	22.5	33	TH
5	5112	7/13/2006	10:38	swc	22.5	33	TH
6	5112	7/13/2006	10:39	swc	22.5	33	TH
7	5112	7/13/2006	10:43	swc	22.5	33	TH
8	5112	7/13/2006	10:47	swc	22.5	33	TH
9	5112	7/13/2006	10:52	swc	22.5	33	TH
10	5112	7/13/2006	10:57	swc	22.5	33	TH
11	4587	7/13/2006	10:59	swc	22.5	33	TH
12	4587	7/13/2006	11:11	swc	22.5	33	TH
13	4587	7/13/2006	11:15	swc	22.5	32	TH
14	4587	7/13/2006	11:22	swc	22.5	32	TH
15	4587	7/13/2006	11:25	swc	22.5	32	TH
16	4587	7/13/2006	11:28	swc	22.5	32	TH
17	4587	7/13/2006	11:37	swc	22.5	32	TH
18	4587	7/13/2006	11:42	swc	22.5	32	TH
19	4587	7/13/2006	12:04	swc	22.5	32	TH
20	4588	7/14/2006	6:30	west cell fl	22.5	407	RH
21	4348	7/14/2006	6:40	west cell fl	22.5	407	RH
22	4460	7/14/2006	6:50	west cell fl	22.5	408	RH
23	4346	7/14/2006	7:00	west cell fl	22.5	407	RH
24	5113	7/14/2006	7:20	west cell fl	22.5	406	RH
25	4472	7/14/2006	7:30	west cell fl	22.5	406	RH
26	4471	7/14/2006	7:40	west cell fl	22.5	407	RH
27	4354	7/14/2006	9:00	west cell fl	22.5	408	RH
28	4475	7/14/2006	9:10	west cell fl	22.5	407	RH
29	4698	7/15/2006	7:00	w cell fl	22.5	406	RH
30	4583	7/15/2006	7:10	w cl fl	22.5	407	RH
31	4581	7/15/2006	7:20	w cell fl	22.5	408	RH

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Panel Placement Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Primary / Secondary: Secondary Series: 1 Material Type: gml

Panel	*Batch-Roll*	*Date*	*Time*	*Placement/Location/Comments*	*Width (ft.)*	*Length (ft.)*	*QA ID*
32	4595	7/15/2006	7:30	w cell fl	22.5	408	RH
33	4586	7/15/2006	7:50	w cell fl	22.5	406	RH
34	4594	7/15/2006	8:00	w cell fl	22.5	407	RH
35	4355	7/15/2006	8:20	w cell fl	22.5	407	RH
36	4578	7/15/2006	8:30	w cell fl	22.5	408	RH
37	4357	7/15/2006	10:00	w cell fl	22.5	407	RH
38	4356	7/15/2006	10:20	w cell fl	22.5	407	RH
39	4580	7/17/2006	7:30	w cell fl	22.5	407	RH
40	5111	7/17/2006	7:40	w cell fl	22.5	406	RH
41	4592	7/17/2006	8:00	w cell fl	22.5	407	RH
42	4579	7/17/2006	8:10	w cell fl	22.5	406	RH
43	4590	7/17/2006	10:30	w cell fl	22.5	407	TH
44	5110	7/23/2006	6:45	se cell fl	22.5	407	TH
45	4459	7/23/2006	7:00	se cell fl	22.5	407	SL
46	4476	7/23/2006	7:10	se cell fl	22.5	407	SL
47	4463	7/23/2006	7:20	se cell fl	22.5	407	SL
48	4352	7/23/2006	7:30	se cell fl	22.5	407	SL
49	4477	7/24/2006	6:30	cell fl	22.5	407	RH
50	4349	7/24/2006	6:34	NWC	22.5	407	RH
51	4589	7/24/2006	6:37	NWC	22.5	52	RH
52	4589	7/24/2006	7:00	NWC	22.5	24	RH
53	4589	7/24/2006	7:05	NWICB	22.5	14	RH
54	4589	7/24/2006	7:10	NWICB	22.5	40	RH
55	4589	7/24/2006	7:20	NWICB	22.5	61	RH
56	4589	7/24/2006	7:28	NWICB	22.5	55	RH
57	4589	7/24/2006	7:50	NWICB	22.5	56	RH
58	4589	7/24/2006	7:54	NWICB	22.5	54	RH
59	4349	7/24/2006	6:40	nw cell fl	11	11	RH
60	4468	7/24/2006	8:30	NWICB	22.5	54	RH
61	4468	7/24/2006	8:10	NWICB	22.5	55	RH
62	4468	7/24/2006	8:20	NWICB	22.5	55	RH

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Panel Placement Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Primary / Secondary: Secondary Series: 1 Material Type: gml

Panel	*Batch-Roll*	*Date*	*Time*	*Placement/Location/Comments*	*Width (ft.)*	*Length (ft.)*	*QA ID*
63	4468	7/24/2006	8:30	NWICB	22.5	55	RH
64	4468	7/24/2006	8:39	NWICB	22.5	56	RH
65	4468	7/24/2006	8:39	NWICB	22.5	56	RH
66	4468	7/24/2006	8:50	NWICB	22.5	56	RH
67	4597	7/24/2006	8:30	NWICB	22.5	56	RH
68	4597	7/24/2006	9:00	NWICB	22.5	56	RH
69	4597	7/24/2006	9:05	NWICB	22.5	56	RH
70	4597	7/24/2006	9:10	NWICB	22.5	57	RH
71	4597	7/24/2006	9:13	NWICB	22.5	58	RH
72	4597	7/24/2006	9:20	NWICB	22.5	58	RH
73	4467	7/27/2006	6:10	SE ICB	22.5	407	RH
74	4470	7/27/2006	6:20	SE ICB	22.5	407	RH
75	4347	7/27/2006	6:30	SE ICB	22.5	407	RH
76	4585	7/27/2006	6:40	SE ICB	22.5	407	RH
77	4461	7/27/2006	7:19	SE ICB	22.5	407	RH
78	4593	7/27/2006	7:31	SE ICB	22.5	407	RH
79	4465	7/27/2006	9:00	NICB	22.5	275	RH
80	4465	7/27/2006	9:12	NICB	22.5	132	RH
81	4462	7/27/2006	9:00	NE	22.5	143	RH
82	4462	7/27/2006	9:04	NEICB	22.5	271	RH
83	4473	7/27/2006	10:00	NE	22.5	275	RH
84	4473	7/27/2006	10:30	NE	22.5	135	RH
85	4465	7/27/2006	10:35	CL FL	22.5	4	RH
86	4466	7/27/2006	10:50	CL FL	22.5	132	RH
87	4466	7/27/2006	14:48	CL FL	22.5	266	RH
88	4597	7/27/2006	14:55	CL FL	22.5	9	RH
89	4358	8/2/2006	6:00	SEICB	22.5	34	RH
90	4358	8/2/2006	6:03	SEC	22.5	23	RH
91	4358	8/2/2006	6:04	SEC	22.5	17	RH
92	4358	8/2/2006	6:06	SEPB	22.5	28	RH
93	4358	8/2/2006	6:08	SEPB	22.5	63	RH

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Panel Placement Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Primary / Secondary: Secondary Series: 1 Material Type: gml

Panel	*Batch-Roll*	*Date*	*Time*	*Placement/Location/Comments*	*Width (ft.)*	*Length (ft.)*	*QA ID*
94	4358	8/2/2006	6:10	SEPB	22.5	63	RH
95	4358	8/2/2006	6:13	SEPB	22.5	63	RH
96	5336	8/2/2006	6:14	SEPB	22.5	63	RH
97	5336	8/2/2006	6:20	EPB	22.5	64	RH
98	5336	8/2/2006	6:23	EPB	22.5	64	RH
99	5336	8/2/2006	6:30	EPB	22.5	64	RH
100	5336	8/2/2006	6:32	EPB	22.5	64	RH
101	5336	8/2/2006	6:35	EPB	22.5	53	RH
102	4350	8/2/2006	6:36	CL FL	22.5	12	RH
103	4350	8/2/2006	6:39	EPB	22.5	64	RH
104	4350	8/2/2006	6:42	EPB	22.5	64	RH
105	4350	8/2/2006	6:51	EPB	22.5	64	RH
106	4350	8/2/2006	7:30	EPB	22.5	63	RH
107	4350	8/2/2006	7:32	EPB	22.5	63	RH
108	4351	8/2/2006	7:35	EPB	22.5	63	RH
109	4351	8/2/2006	7:36	EPB	22.5	63	RH
110	5109	8/2/2006	10:00	NICB	22.5	270	RH
111	5109	8/2/2006	10:03	NICB	22.5	132	RH
112	4353	8/2/2006	10:08	NICB	22.5	138	RH
113	4353	8/2/2006	10:11	NICB	22.5	270	RH
114	4474	8/2/2006	13:40	NEC	22.5	270	RH
115	4474	8/2/2006	14:03	NICB	22.5	137	RH
116	5335	8/2/2006	13:00	NEC	22.5	133	RH
117	5335	8/2/2006	18:05	SUMP	22.5	76	RH
118	5335	8/2/2006	18:30	SUMP	22.5	56	RH
119	5226	8/2/2006	18:35	SUMP	22.5	80	RH
120	5226	8/2/2006	19:00	SUMP	22.5	34	RH
121	5226	8/2/2006	19:12	SUMP	22.5	25	RH
122	5226	8/2/2006	19:20	SUMP	12.5	24	RH
123	5226	8/2/2006	19:30	SUMP	22.5	39	RH
124	5226	8/2/2006	20:00	SUMP	12.5	24	RH

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Panel Placement Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Primary / Secondary: Secondary Series: 1 Material Type: gml

Panel	*Batch-Roll*	*Date*	*Time*	*Placement/Location/Comments*	*Width (ft.)*	*Length (ft.)*	*QA ID*
125	4351	8/2/2006	20:00	NEPB	22.5	66	RH
126	4351	8/2/2006	20:06	NEPB	22.5	66	RH
127	4351	8/2/2006	20:13	NEPB	22.5	66	RH
128	5226	8/2/2006	20:23	NEPB	22.5	65	RH
129	4469	8/2/2006	20:26	NEPB	22.5	65	RH
130	4469	8/2/2006	20:28	NEPB	22.5	65	RH
131	4469	8/2/2006	20:30	NEPB	22.5	66	RH
132	4469	8/2/2006	20:36	NEPB	22.5	65	RH
133	4469	8/2/2006	20:44	NEPB	22.5	66	RH
134	5231	8/28/2006	14:30	SEC REPLACEMENT	19	32	RH
135	4459	8/28/2006	14:56	SEC	19	28	RH

Number of Panels: 135 Approx. Area (sq. ft) 491416

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WSI Waste Services Of Florida, Inc.

Production Seam Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type gml : 1 Specifications: Seam Pressure: 25-30 lbs 5 min - 2lb Vacuum Box: 5-8 lbs 20 secs

Primary / Secondary: Secondary Series: 1

Production Seam					Location			Nondestructive Test					
Date	*Time*	*Mach. ID*	*Oper. ID*	*Ext/ Fus:*	*SeamNo* Series-Seam1-Seam2-Begin-End	*Length* (ft.)	*QA ID*	*Location*	*Detail*	*Oper.*	*Result*	*Action*	*QA ID*
7/13/2006	9:28	75200020	HEP	F	1-0012-0013-0-30	30	RH	SW	1508-1513 30-30	AM	P	ATOK	RH
7/13/2006	13:10	75200020	HEP	F	1-0004-0005-0-32	32	RH	SW	1338-1343 30-29	AM	P	ATOK	RH
7/13/2006	13:13	75200015	BR	F	1-0003-0004-0-32	32	RH	SW	1417-1422 30-30	AM	P	ATOK	RH
7/13/2006	13:15	75200015	BR	F	1-0005-0006-0-32	32	RH	SW	1339-1344 30-30	AM	P	ATOK	RH
7/13/2006	13:18	75200020	HEP	F	1-0006-0007-0-32	32	RH	SW	1432-1437 30-30	AM	P	ATOK	RH
7/13/2006	13:28	75200020	HEP	F	1-0007-0008-0-32	32	RH	SW	1429-1434 30-30	AM	P	ATOK	RH
7/13/2006	13:35	75200020	HEP	F	1-0008-0009-0-32	32	RH	SW	1430-1435 30-30	AM	P	ATOK	RH
7/13/2006	13:38	75200015	BR	F	1-0001-0002-0-18	18	RH	SW	1410-1415 30-30	AM	p	ATOK	RH
7/13/2006	13:49	75200020	HEP	F	1-0009-0010-0-32	32	RH	SW	1444-1449 30-30	AM	P	ATOK	RH
7/13/2006	14:00	75200015	BR	F	1-0001-0003-0-23	23	RH	SWC	1410-1415 30-30	AM	P	ATOK	RH
7/13/2006	14:06	75200015	BR	F	1-0002-0003-0-11	11	RH	SW	1410-1415 30-30	AM	P	ATOK	RH
7/13/2006	14:18	75200020	HEP	F	1-0010-0011-0-30	30	RH	SW	1445-1450 30-30	AM	P	ATOK	RH
7/13/2006	14:26	75200015	BR	F	1-0013-0014-0-15	15	RH	SW	1509-1514 30-30	AM	P	ATOK	RH
7/13/2006	14:28	75200020	HEP	F	1-0011-0012-0-30	30	RH	SW	1446-1451 30-30	AM	P	ATOK	RH
7/13/2006	14:30	75200015	BR	F	1-0013-0014-15-30	15	RH	SW	1510-1515 30-30	AM	P	ATOK	RH
7/13/2006	14:41	75200015	BR	F	1-0014-0015-0-30	30	RH	SW	1531-1536 30-30	AM	P	ATOK	RH

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WSI Waste Services Of Florida, Inc.

Production Seam Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type gml : 1 Specifications: Seam Pressure: 25-30 lbs 5 min - 2lb Vacuum Box: 5-8 lbs 20 secs

Primary / Secondary: Secondary Series: 1

Production Seam					Location			Nondestructive Test					
Date	*Time*	*Mach. ID*	*Oper. ID*	*Ext/ Fus:*	*SeamNo* Series-Seam1-Seam2-Begin-End	*Length* (ft.)	*QA ID*	*Location*	*Detail*	*Oper.*	*Result*	*Action*	*QA ID*
7/13/2006	14:44	74300003	CC	E	1-0002-ext-0-11	11	RH	wts	ext seam	AM	P	VTOK	RH
7/13/2006	14:50	75200020	HEP	F	1-0016-0017-0-30	30	RH	SE	1529-1534 30-30	AM	P	ATOK	RH
7/13/2006	14:58	75200015	BR	F	1-0015-0016-0-30	30	RH	SE	1530-1535 30-30	AM	P	ATOK	RH
7/13/2006	14:58	75200020	HEP	F	1-0017-0018-0-30	30	RH	SE	1523-1528 30-30	AM	P	ATOK	RH
7/13/2006	15:10	75200020	HEP	F	1-0018-0019-00-30	30	RH	SE	1539-1544 30-30	AM	P	ATOK	RH
7/13/2006	15:30	74300003	CC	E	1-0001-ext-11-34	23	RH	wts	ext seam	AM	P	VTOK	RH
7/14/2006	7:55	75200020	HEP	F	1-0020-0021-0-406	405	RH	SW	0941-0946 30-30	AM	P	ATOK	RH
7/14/2006	8:05	7521	RA	F	1-0021-0022-0-407	405	RH	SW	0943-0948 30-30	AM	P	ATOK	RH
7/14/2006	8:18	75200015	BR	F	1-0022-0023-407	406	RH	SW	0944-0949 30-30	AM	P	ATOK	RH
7/14/2006	8:55	75200020	HEP	F	1-0023-0024-0-408	406	RH	SW	1003-1010 30-30	AM	P	ATOK	RH
7/14/2006	9:20	7521	RA	F	1-0024-0025-0-407	406	RH	SW	1038-1043 30-30	AM	P	ATOK	RH
7/14/2006	9:29	75200015	BR	F	1-0025-0026-0-408	406	RH	SW	1040-105 30-30	AM	P	ATOK	RH
7/14/2006	10:40	75200015	BR	F	1-0026-0027-0-407	406	RH	SW	1338-1343 30-30	AM	P	ATOK	RH
7/14/2006	10:40	7521	RA	F	1-0027-0028-0-406	406	RH	SW	1340-1345 30-30	AM	P	ATOK	RH
7/14/2006	10:55	75200020	HEP	F	1-0001-0020-0-33	33	RH	STS	1320 1325 30-30	AM	P	ATOK	RH
7/14/2006	10:58	75200020	HEP	F	1-0003-0020-33-42	9	RH	STS	1320-1325 30-30	AM	P	ATOK	RH

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WSI Waste Services Of Florida, Inc.

Production Seam Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type gml : 1 Specifications: Seam Pressure: 25-30 lbs 5 min - 2lb Vacuum Box: 5-8 lbs 20 secs

Primary / Secondary: Secondary Series: 1

Production Seam					Location			Nondestructive Test					
Date	*Time*	*Mach. ID*	*Oper. ID*	*Ext/ Fus:*	*SeamNo* Series-Seam1-Seam2-Begin-End	*Length* (ft.)	*QA ID*	*Location*	*Detail*	*Oper.*	*Result*	*Action*	*QA ID*
7/14/2006	11:02	75200020	HEP	F	1-0005-0020-65-88	23	RH	STS	1320-1325 30-30	AM	P	ATOK	RH
7/14/2006	11:04	75200020	HEP	F	1-0004-0020-42-65	23	RH	STS	1320-1325 30-30	AM	P	ATOK	RH
7/14/2006	11:05	75200020	HEP	F	1-0006-0020-88-110	22	RH	STS	1320-1325 30-30	AM	P	ATOK	RH
7/14/2006	11:08	75200020	HEP	F	1-0007-0020-110-133	23	RH	STS	1320-1325 30-30	AM	P	ATOK	RH
7/14/2006	11:11	75200020	HEP	F	1-0008-0020-133-156	22	RH	STS	1320-1325 30-30	AM	P	ATOK	RH
7/14/2006	11:15	75200020	HEP	F	1-0009-0020-156-179	23	RH	STS	1320-1325 30-30	AM	P	ATOK	RH
7/14/2006	11:17	75200020	HEP	F	1-0010-0020-179-202	23	RH	STS	1320-1325 30-30	AM	P	ATOK	RH
7/14/2006	11:20	75200020	HEP	F	1-0011-0020-202-225	23	RH	STS	1320-1325 30-30	AM	P	ATOK	RH
7/14/2006	11:23	75200020	HEP	F	1-0012-0020-225-248	23	RH	STS	1320-1325 30-30	AM	P	ATOK	RH
7/14/2006	11:26	75200020	HEP	F	1-0013-0020-248-271	23	RH	STS	1320-1325 30-30	AM	P	ATOK	RH
7/14/2006	11:29	75200020	HEP	F	1-0014-0020-271-294	23	RH	STS	1320-1325 30-30	AM	P	ATOK	RH
7/14/2006	11:32	75200020	HEP	F	1-0015-0020-294-316	22	RH	STS	1320-1325 30-30	AM	P	ATOK	RH
7/14/2006	11:35	75200020	HEP	F	1-0016-0020-316-339	22	RH	STS	1320-1325 30-30	AM	P	ATOK	RH
7/14/2006	11:38	75200020	HEP	F	1-0017-0020-339-362	23	RH	STS	1320-1325 30-30	AM	P	ATOK	RH
7/14/2006	11:41	75200020	HEP	F	1-0018-0020-362-385	23	RH	STS	1320-1325 30-30	AM	P	ATOK	RH
7/14/2006	11:44	75200020	HEP	F	1-0019-0020-385-408	23	RH	STS	1320-1325 30-30	AM	P	ATOK	RH

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WSI Waste Services Of Florida, Inc.

Production Seam Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type gml : 1 Specifications: Seam Pressure: 25-30 lbs 5 min - 2lb Vacuum Box: 5-8 lbs 20 secs

Primary / Secondary: Secondary Series: 1

Production Seam					Location			Nondestructive Test					
Date	*Time*	*Mach. ID*	*Oper. ID*	*Ext/ Fus:*	*SeamNo* Series-Seam1-Seam2-Begin-End	*Length* (ft.)	*QA ID*	*Location*	*Detail*	*Oper.*	*Result*	*Action*	*QA ID*
7/14/2006	14:35	74300003	RA	E	1-0020-ext-34-44	10	RH	wts	ext seam	AM	P	VTOK	RH
7/15/2006	8:21	7521	RA	F	1-0028-0029-0-407	407	RH	CELL FLOOR	1111-1116 30-30	AM	P	ATOK	RH
7/15/2006	8:28	75200015	BR	F	1-0029-0030-0-407	407	RH	CELL FLOOR	1108-1113 30-30	AM	P	ATOK	RH
7/15/2006	8:40	75200020	HEP	F	1-0030-0031-0-407	407	RH	CELL FLOOR	1109-1114 30-30	AM	P	ATOK	RH
7/15/2006	9:00	7428	PGM	E	1-0020-ext-44-54	10	RH	WTS	VTOK	DB	P	VTOK	RH
7/15/2006	9:05	7428	PGM	E	1-0021-ext-54-77	23	RH	WTS	ext seam	DB	P	VTOK	RH
7/15/2006	9:10	7428	PGM	E	1-0022-ext-77-99	22	RH	WTS	ext seam	DB	P	VTOK	RH
7/15/2006	9:20	7428	PGM	E	1-0023-ext-99-122	23	RH	WTS	ext seam	DB	P	VTOK	RH
7/15/2006	9:25	7428	PGM	E	1-0024-ext-122-145	23	RH	WTS	ext seam	DB	P	VTOK	RH
7/15/2006	9:30	7428	PGM	E	1-0025-ext-145-168	23	RH	WTS	ext seam	DB	P	VTOK	RH
7/15/2006	9:38	7521	RA	F	1-0031-0032-0-407	407	RH	CELL FLOOR	1253-1258 30-30	AM	P	ATOK	RH
7/15/2006	9:42	75200015	BR	F	1-0032-0033-0-407	407	RH	CELL FLOOR	1255-1300 30-30	AM	P	ATOK	RH
7/15/2006	9:50	75200020	HEP	F	1-0033-0034-0-407	407	RH	CELL FLOOR	1257-1302 30-30	AM	P	ATOK	RH
7/15/2006	10:05	7428	PGM	E	1-0029-ext-237-260	23	RH	WTS	ext seam	DB	P	VTOK	RH
7/15/2006	10:30	7428	PGM	E	1-0030-ext-260-283	23	RH	WTS	ext seam	DB	P	VTOK	RH
7/15/2006	10:57	7521	RA	F	1-0034-0035-0-407	407	RH	CELL FLOOR	1312-1317 30-30	AM	P	ATOK	RH

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WSI Waste Services Of Florida, Inc.

Production Seam Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type gml : 1 Specifications: Seam Pressure: 25-30 lbs 5 min - 2lb Vacuum Box: 5-8 lbs 20 secs

Primary / Secondary: Secondary Series: 1

Production Seam					Location			Nondestructive Test					
Date	*Time*	*Mach. ID*	*Oper. ID*	*Ext/ Fus:*	*SeamNo* Series-Seam1-Seam2-Begin-End	*Length* (ft.)	*QA ID*	*Location*	*Detail*	*Oper.*	*Result*	*Action*	*QA ID*
7/15/2006	10:57	75200015	BR	F	1-0035-0036-0-407	407	RH	CELL FLOOR	1313-1318 30-30	AM	P	ATOK	RH
7/15/2006	11:22	75200020	HEP	F	1-0036-0037-0-408	407	RH	CELL FLOOR	1328-1333 30-30	AM	P	ATOK	RH
7/15/2006	12:07	7428	PGM	E	1-0026-ext-168-191	23	RH	WTS	ext seam	DB	P	VTOK	RH
7/15/2006	12:27	75200020	HEP	F	1-0037-0038-0-408	408	RH	NW	1330-1335 30-30	AM	P	ATOK	RH
7/15/2006	12:30	74300003	RA	E	1-0032-ext-305-328	23	RH	WTS	ext seam	DB	P	VTOK	RH
7/15/2006	16:00	74300003	RA	E	1-0037-ext-416-439	23	RH	WTS	ext seam	DB	P	VTOK	RH
7/17/2006	8:30	75200020	HEP	F	1-0041-0042-0-406	406	RH	NW	1055-1100	AM	P	ATOK	RH
7/17/2006	9:00	7521	RA	F	1-0038-0039-0-407	407	RH	NW	1015-1020 30-30	AM	P	ATOK	RH
7/17/2006	9:00	75200020	HEP	F	1-0039-0040-0-406	406	RH	NW	1000-1005	AM	P	ATOK	RH
7/17/2006	9:07	75200015	BR	F	1-0040-0041-0-407	407	RH	NW	1005-1010 30-30	AM	P	ATOK	RH
7/17/2006	9:43	7428	PGM	E	1-0027-ext-191-214	23	RH	WTS	ext seam	DB	P	VTOK	RH
7/17/2006	10:00	7428	PGM	E	1-0028-ext-214-237	22	RH	WTS	ext seam	DB	P	VTOK	RH
7/17/2006	10:15	75200015	BR	F	1-0042-0043-0-407	407	RH	NW	1125-1130 30-30	AM	P	ATOK	RH
7/17/2006	10:30	74300009	NV	E	1-0038-ext-439-462	23	RH	WTS	ext seam	DB	P	VTOK	RH
7/17/2006	10:30	74300009	NV	E	1-0039-ext-462-485	23	RH	WTS	ext seam	DB	P	VTOK	RH
7/17/2006	11:00	74300009	NV	E	1-0040-ext-485-507	22	RH	WTS	ext seam	DB	P	VTOK	RH

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WSI Waste Services Of Florida, Inc

Production Seam Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type gml : 1 Specifications: Seam Pressure: 25-30 lbs 5 min - 2lb Vacuum Box: 5-8 lbs 20 secs

Primary / Secondary: Secondary Series: 1

Production Seam					Location			Nondestructive Test					
Date	*Time*	*Mach. ID*	*Oper. ID*	*Ext/ Fus:*	*SeamNo* Series-Seam1-Seam2-Begin-End	*Length* (ft.)	*QA ID*	*Location*	*Detail*	*Oper.*	*Result*	*Action*	*QA ID*
7/17/2006	11:09	74300009	NV	E	1-0041-ext-507-530	23	RH	WTS	ext seam	DB	P	VTOK	RH
7/17/2006	11:16	74300009	NV	E	1-0042-ext-530-552	22	RH	WTS	ext seam	DB	P	VTOK	RH
7/17/2006	12:20	74300003	RA	E	1-0033-ext-328-350	22	RH	WTS	ext seam	DB	P	VTOK	RH
7/17/2006	14:00	74300003	RA	E	1-0034-ext-350-373	23	RH	WTS	ext seam	DB	P	VTOK	RH
7/17/2006	15:00	74300003	RA	E	1-0035-ext-373-395	22	RH	WTS	ext seam	DB	P	VTOK	RH
7/17/2006	15:30	74300003	RA	E	1-0036-ext-393-416	23	RH	WTS	ext seam	DB	P	VTOK	RH
7/17/2006	17:15	74300003	HEP	E	1-0031-ext-283-305	22	RH	WTS	ext seam	DB	P	VTOK	RH
7/23/2006	6:54	75200020	HEP	F	1-0044-0045-0-407	407	RH	CELL FL	1009-1014 30-30	AM	P	ATOK	RH
7/23/2006	7:05	7521	RA	F	1-0045-0046-0-407	407	RH	CELL FL	901-906 30-29	AM	P	ATOK	RH
7/23/2006	7:20	7515	PGM	F	1-0046-0047-0-407	407	RH	CELL FL	901-906 30-29	AM	P	ATOK	RH
7/23/2006	7:34	75200015	BR	F	1-0047-0048-0-407	407	RH	CELL FL	901-906 30-29	AM	P	ATOK	SL
7/23/2006	8:00	75200020	HEP	F	1-0036-0044-407-394	13	RH	CELL FL	1004-1009 30-30	AM	P	ATOK	RH
7/23/2006	8:02	75200020	HEP	F	1-0035-0044-394-372	22	RH	CELL FL	0907-0912 30-30	AM	P	ATOK	RH
7/23/2006	8:05	75200020	HEP	F	1-0035-0044-372-349	23	RH	CELL FL	0934-0939 30-30	AM	P	ATOK	RH
7/23/2006	8:08	75200020	HEP	F	1-0033-0044-349-327	22	RH	CELL FL	901-906 30-29	AM	P	ATOK	RH
7/23/2006	8:11	75200020	HEP	F	1-0032-0044-327-304	23	RH	CELL FL	855-900 30 28	AM	P	ATOK	RH

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WSI Waste Services Of Florida, Inc

Production Seam Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type gml : 1 Specifications: Seam Pressure: 25-30 lbs 5 min - 2lb Vacuum Box: 5-8 lbs 20 secs

Primary / Secondary: Secondary Series: 1

Production Seam					Location			Nondestructive Test					
Date	*Time*	*Mach. ID*	*Oper. ID*	*Ext/ Fus:*	*SeamNo* Series-Seam1-Seam2-Begin-End	*Length* (ft.)	*QA ID*	*Location*	*Detail*	*Oper.*	*Result*	*Action*	*QA ID*
7/23/2006	8:14	75200020	HEP	F	1-0031-0044-304-281	23	RH	CELL FL	855-900 30-28	AM	P	ATOK	RH
7/23/2006	8:17	75200020	HEP	F	1-0030-0044-281-258	23	RH	CELL FL	855-900 30-28	AM	P	ATOK	RH
7/23/2006	8:20	75200020	HEP	F	1-0029-0044-258-236	22	RH	CELL FL	849-854 30-30	DB	P	ATOK	RH
7/23/2006	8:24	75200020	HEP	F	1-0028-0044-236-231	5	RH	CELL FL	849-854 30-30	DB	P	ATOK	RH
7/23/2006	8:25	75200020	HEP	F	1-0028-0044-231-213	18	RH	CELL FL	900-905 30-30	DB	P	ATOK	RH
7/23/2006	8:30	75200020	HEP	F	1-0026-0044-175-167	8	SL	CELL FL	903-908 30-30	AM	P	ATOK	RH
7/23/2006	8:30	75200020	HEP	F	1-0026-0044-189-175	40	SL	CELL FL	903-908 30-30	AM	P	ATOK	SL
7/23/2006	8:33	75200020	HEP	F	1-0025-0044-167-144	23	RH	CELL FL	913-918 30-30	AM	P	ATOK	RH
7/23/2006	8:36	75200020	HEP	F	1-0024-0044-144-122	22	RH	CELL FL	913-918 30-30	AM	P	ATOK	RH
7/23/2006	8:39	75200020	HEP	F	1-0023-0044-122-99	23	RH	CELL FL	913-918 30-30	AM	P	ATOK	RH
7/23/2006	8:42	75200020	HEP	F	1-0022-0044-099-078	22	RH	CELL FL	912-917 30-29	AM	P	ATOK	RH
7/23/2006	8:51	75200020	HEP	F	1-0019-0044-20-0	20	SL	CELL FL	911-916 30-30	AM	p	ATOK	SL
7/23/2006	9:00	75200020	HEP	F	1-0019-0044-31-20	40	SL	CELL FL	911-916 30-30	AM	p	ATOK	SL
7/23/2006	9:00	75200020	HEP	F	1-0027-0044-53-31	40	SL	CELL FL	912-917 30-29	AM	p	ATOK	SL
7/23/2006	11:00	75200020	RA	F	1-0027-0044-213-189	24	TH	CELL FL	903-908 30-30	DB	P	ATOK	TH
7/23/2006	20:30	75200020	HEP	F	1-0021-0044-78-53	40	SL	CELL FL	912-917 30-29	AM	p	ATOK	RH

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WSI Waste Services Of Florida, Inc.

Production Seam Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type gml : 1 Specifications: Seam Pressure: 25-30 lbs 5 min - 2lb Vacuum Box: 5-8 lbs 20 secs

Primary / Secondary: Secondary Series: 1

Production Seam					Location			Nondestructive Test					
Date	*Time*	*Mach. ID*	*Oper. ID*	*Ext/ Fus:*	*SeamNo* Series-Seam1-Seam2-Begin-End	*Length* (ft.)	*QA ID*	*Location*	*Detail*	*Oper.*	*Result*	*Action*	*QA ID*
7/24/2006	6:30	7521	RA	F	1-0043-0049-0-407	407	RH	NW	1010-1015 30-30	AM	P	ATOK	RH
7/24/2006	6:40	75200015	BR	F	1-0049-0050-0-407	408	RH	NW	956-1001 30-30	AM	P	ATOK	RH
7/24/2006	8:00	75200020	HEP	F	1-0050-0051-0-67	67	RH	NW	1145-1150 30-30	AM	P	ATOK	RH
7/24/2006	8:45	7515	PGM	F	1-0055-0056-0-57	57	RH	NWICB	919-924 30-30	AM	P	ATOK	RH
7/24/2006	8:55	75200020	HEP	F	1-0051-0052-0-36	36	RH	NW	906-911 30-29	AM	P	ATOK	RH
7/24/2006	9:05	75200020	HEP	F	1-0052-0059-0-10	10	RH	NW	933-938 30-30	AM	P	ATOK	RH
7/24/2006	9:15	75200020	HEP	F	1-0053-0054-0-24	24	RH	NW	937-944 30-30	AM	P	ATOK	RH
7/24/2006	9:20	7515	PGM	F	1-0057-0058-0-56	56	RH	ICB	930-935 30-29	AM	P	ATOK	RH
7/24/2006	9:27	75200020	HEP	F	1-0061-0062-0-55	55	RH	NWICB	718-723 30-30	AM	P	ATOK	RH
7/24/2006	9:33	7521	RA	F	1-0066-0067-0-23	23	RH	NICB	905-910 30-30	AM	P	ATOK	TH
7/24/2006	9:33	7521	PGM	F	1-0067-0068-45-57	12	RH	NWTS	905-910 30-30	AM	P	ATOK	TH
7/24/2006	9:40	7515	PGM	F	1-0058-0060-0-55	55	RH	NWICB	711-716 30-30	AM	P	ATOK	RH
7/24/2006	9:45	75200015	BR	F	1-0062-0063-0-55	55	RH	NICB	724-729 30-30	AM	P	ATOK	RH
7/24/2006	9:50	7521	RA	F	1-0065-0067-42-56	14	RH	NICB	857-902 30-29	AM	P	ATOK	RH
7/24/2006	9:52	7521	RA	F	1-0065-0066-0-56	56	RH	NICB	808-813 30-30	AM	P	ATOK	RH
7/24/2006	10:00	7515	PGM	F	1-0060-0061-0-56	56	RH	NWICB	717-722 30-30	AM	P	ATOK	RH

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WSI Waste Services Of Florida, Inc

Production Seam Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type gml : 1 Specifications: Seam Pressure: 25-30 lbs 5 min - 2lb Vacuum Box: 5-8 lbs 20 secs

Primary / Secondary: Secondary Series: 1

Production Seam					Location			Nondestructive Test					
Date	*Time*	*Mach. ID*	*Oper. ID*	*Ext/ Fus:*	*SeamNo* Series-Seam1-Seam2-Begin-End	*Length* (ft.)	*QA ID*	*Location*	*Detail*	*Oper.*	*Result*	*Action*	*QA ID*
7/24/2006	10:09	7521	RA	F	1-0063-0064-0-55	55	RH	NICB	732-737 30-30	AM	P	ATOK	RH
7/24/2006	10:15	75200020	HEP	F	1-0052-0053-0-24	24	RH	NW	1136-1141 30-30	AM	P	ATOK	RH
7/24/2006	10:20	75200020	HEP	F	1-0052-0054-24-36	12	RH	NW	1148-1153 30-30	AM	P	ATOK	RH
7/24/2006	10:21	75200020	HEP	F	1-0063-0050-223-247	24	RH	NWTS	1145-1150 30-30	AM	P	ATOK	RH
7/24/2006	10:23	75200020	HEP	F	1-0062-0050-202-223	21	RH	NWTS	1145-1150 30-30	AM	P	ATOK	RH
7/24/2006	10:30	75200020	HEP	F	1-0051-0054-36-57	21	RH	NW	1137-1142 30-30	AM	P	ATOK	RH
7/24/2006	10:33	75200020	HEP	F	1-0051-0055-57-67	10	RH	NW	1145-1150 30-30	AM	P	ATOK	RH
7/24/2006	10:34	75200015	BR	F	1-0064-0065-0-56	56	RH	NICB	733-738 30-30	AM	P	ATOK	RH
7/24/2006	10:35	75200020	HEP	F	1-0055-0050-67-87	20	RH	NWTS	1145-1150 30-30	AM	P	ATOK	RH
7/24/2006	10:35	7515	PGM	F	1-0068-0069-0-56	56	RH	NICB	747-752 30-30	AM	P	ATOK	RH
7/24/2006	10:37	75200015	BR	F	1-0071-0072-0-58	58	RH	NICB	756-801 30-30	AM	P	ATOK	RH
7/24/2006	10:38	75200020	HEP	F	1-0060-0050-155-178	23	RH	NWTS	1145-1150 30-30	AM	P	ATOK	RH
7/24/2006	10:40	7515	PGM	F	1-0058-0050-132-155	54	RH	NWTS	835-840 30-29	AM	P	ATOK	RH
7/24/2006	10:43	75200020	HEP	F	1-0061-0050-179-202	23	RH	NWTS	1145-1150 30-30	AM	P	ATOK	RH
7/24/2006	10:44	75200020	HEP	F	1-0056-0050-87-96	9	RH	NWTS	1145-1150 30-30	AM	P	ATOK	RH
7/24/2006	10:47	75200020	HEP	F	1-0070-0071-0-57	57	RH	NICB	754-759 30-30	AM	P	ATOK	RH

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WSI Waste Services Of Florida, Inc.

Production Seam Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type gml : 1 Specifications: Seam Pressure: 25-30 lbs 5 min - 2lb Vacuum Box: 5-8 lbs 20 secs

Primary / Secondary: Secondary Series: 1

Production Seam					Location			Nondestructive Test					
Date	*Time*	*Mach. ID*	*Oper. ID*	*Ext/ Fus:*	*SeamNo* Series-Seam1-Seam2-Begin-End	*Length* (ft.)	*QA ID*	*Location*	*Detail*	*Oper.*	*Result*	*Action*	*QA ID*
7/24/2006	10:50	7515	PGM	F	1-0069-0070-0-56	56	RH	NICB	752-757 30-30	AM	P	ATOK	RH
7/24/2006	11:08	75200020	HEP	F	1-0056-0050-96-110	14	RH	NWTS	1145-1150 30-30	AM	P	ATOK	RH
7/24/2006	11:10	75200020	HEP	F	1-0056-0057-0-55	55	RH	NWTS	1145-1115 30-30	AM	P	ATOK	RH
7/24/2006	11:13	75200020	HEP	F	1-0072-0050-406-427	21	RH	NWTS	1145-1150 30-30	AM	P	ATOK	RH
7/24/2006	11:18	75200020	HEP	F	1-0071-0050-383-406	23	RH	NWTS	1145-1150 30-30	AM	P	ATOK	RH
7/24/2006	11:20	75200020	HEP	F	1-0057-0050-110-132	22	RH	NWTS	1145-1150 30-30	AM	P	ATOK	RH
7/24/2006	11:22	75200020	HEP	F	1-0070-0050-361-383	22	RH	NWTS	1145-1150 30-30	AM	P	ATOK	RH
7/24/2006	11:26	75200020	HEP	F	1-0069-0050-338-361	23	RH	NWTS	1145-1150 30-30	AM	P	ATOK	RH
7/24/2006	11:35	75200020	HEP	F	1-0067-0050-293-315	22	RH	NWTS	1145-1150 30-30	AM	P	ATOK	RH
7/24/2006	11:38	75200020	HEP	F	1-0064-0050-247-270	23	RH	NWTS	1145-1150 30-30	AM	P	ATOK	RH
7/24/2006	11:40	75200020	HEP	F	1-0068-0050-315-338	23	RH	NWTS	1145-1150 30-30	AM	P	ATOK	RH
7/24/2006	22:20	7515	PGM	F	1-0066-0068-0-45	57	RH	NICB	812-817 30-30	AM	P	ATOK	RH
7/25/2006	7:35	74300003	RA	E	1-0050-ext-575-598	23	RH	NWTS	ext seam	AM	P	ATOK	RH
7/25/2006	7:56	74300003	RA	E	1-0051-ext-598-620	22	RH	NWTS	ext seam	DB	P	ATOK	RH
7/25/2006	8:17	74300003	RA	E	1-0052-ext-620-643	23	RH	NWTS	ext seam	DB	P	ATOK	TH
7/25/2006	8:30	74300003	RA	E	1-0043-ext-552-575	23	RH	NWTS	ext seam	DB	P	VTOK	RH

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WSI Waste Services Of Florida, Inc.

Production Seam Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type gml : 1 Specifications: Seam Pressure: 25-30 lbs 5 min - 2lb Vacuum Box: 5-8 lbs 20 secs

Primary / Secondary: Secondary Series: 1

Production Seam					Location			Nondestructive Test					
Date	*Time*	*Mach. ID*	*Oper. ID*	*Ext/ Fus:*	*SeamNo* Series-Seam1-Seam2-Begin-End	*Length* (ft.)	*QA ID*	*Location*	*Detail*	*Oper.*	*Result*	*Action*	*QA ID*
7/25/2006	8:35	7403	PGM	E	1-0063-ext-211-234	23	RH	NWTS	ext seam	DB	P	VTOK	SL
7/25/2006	8:40	7403	PGM	E	1-0064-ext-234-256	22	RH	NWTS	ext seam	DB	P	VTOK	SL
7/25/2006	8:45	74300003	RA	E	1-0059-ext-643-663	20	RH	NWTS	ext seam	DB	P	VTOK	RH
7/25/2006	9:00	7436	HEP	E	1-0055-ext-52-75	23	RH	NWTS	ext seam	DB	P	VTOK	SL
7/25/2006	9:00	7403	PGM	E	1-0065-ext-256-278	22	RH	NWTS	ext seam	DB	P	VTOK	SL
7/25/2006	9:08	7436	HEP	E	1-0056-ext-75-98	23	RH	NWTS	ext seam	DB	P	VTOK	TH
7/25/2006	9:20	74300003	RA	E	1-0053-ext-11-30	19	RH	NWTS	ext seam	DB	P	ATOK	RH
7/25/2006	9:20	7436	HEP	E	1-0057-ext-98-120	22	RH	NWTS	ext seam	DB	P	VTOK	SL
7/25/2006	9:20	7403	PGM	E	1-0066-ext-278-301	23	RH	NWTS	ext seam	DB	P	VTOK	SL
7/25/2006	9:30	7436	HEP	E	1-0058-ext-120-143	23	RH	NWTS	ext seam	DB	P	VTOK	SL
7/25/2006	9:40	7436	HEP	E	1-0060-ext-143-166	23	RH	NWTS	ext seam	DB	P	VTOK	SL
7/25/2006	9:45	74300003	RA	E	1-0054-ext-30-52	22	RH	NWTS	ext seam	DB	P	VTOK	SL
7/25/2006	9:50	7403	PGM	E	1-0068-ext-301-325	24	RH	NWTS	ext seam	DB	P	VTOK	SL
7/25/2006	9:52	7436	HEP	E	1-0062-ext-190-211	21	RH	NWTS	ext seam	DB	P	VTOK	SL
7/25/2006	10:00	7403	PGM	E	1-0069-ext-325-347	22	RH	NWTS	ext seam	DB	P	VTOK	SL
7/25/2006	10:46	7436	HEP	E	1-0061-ext-166-190	24	RH	NWTS	ext seam	DB	P	VTOK	SL

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WSI Waste Services Of Florida, Inc.

Production Seam Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type gml : 1 Specifications: Seam Pressure: 25-30 lbs 5 min - 2lb Vacuum Box: 5-8 lbs 20 secs

Primary / Secondary: Secondary Series: 1

Production Seam					Location			Nondestructive Test					
Date	*Time*	*Mach. ID*	*Oper. ID*	*Ext/ Fus:*	*SeamNo* Series-Seam1-Seam2-Begin-End	*Length* (ft.)	*QA ID*	*Location*	*Detail*	*Oper.*	*Result*	*Action*	*QA ID*
7/25/2006	11:36	7403	PGM	E	1-0071-ext-371-393	22	RH	NWTS	ext seam	DB	P	VTOK	SL
7/25/2006	11:37	7403	PGM	E	1-0072-ext-393-405	12	RH	NWTS	ext seam	DB	P	VTOK	SL
7/27/2006	6:35	7521	RA	F	1-0048-0073-407-0	407	RH	C FL	804-809 30-30	AM	P	ATOK	RH
7/27/2006	6:52	75200020	HEP	F	1-0073-0074-407-0	407	RH	C FL	755-800 30-29	AM	P	ATOK	RH
7/27/2006	7:05	7515	PGM	F	1-0074-0075-407-0	407	RH	C FL	839-844 30-30	AM	P	ATOK	RH
7/27/2006	7:14	75200015	BR	F	1-0075-0076-407-0	407	RH	C FL	842-847 30-30	AM	P	ATOK	RH
7/27/2006	7:27	75200009	RR	F	1-0076-0077-407-394	13	RH	C FL	capped	DB	P	VTOK	RH
7/27/2006	8:00	7521	RA	F	1-0076-0077-393-0	393	RH	C FL	952-957 30-30	AM	P	ATOK	RH
7/27/2006	8:00	75200020	HEP	F	1-0077-0078-407-0	407	RH	C FL	953-958 30-30	AM	P	ATOK	RH
7/27/2006	10:43	75200020	HEP	F	1-0072-0079-679-621	58	RH	NICB	1155-1200 30-30	CC	P	ATOK	RH
7/27/2006	10:51	75200020	HEP	F	1-0050-0079-621-598	23	RH	NICB	1155-1200 30-30	AM	P	ATOK	RH
7/27/2006	10:54	75200020	HEP	F	1-0049-0079-598-576	22	RH	NICB	1155-1200 30-30	AM	P	ATOK	RH
7/27/2006	10:54	75200015	BR	F	1-0080-0082-0-132	132	RH	NICB	1159-1204 30-30	CC	P	ATOK	RH
7/27/2006	10:57	75200020	HEP	F	1-0043-0079-576-553	23	RH	NICB	1245-1250 30-30	AM	P	ATOK	RH
7/27/2006	11:00	75200020	HEP	F	1-0042-0079-553-530	23	RH	NICB	1245-1250 30-30	AM	P	ATOK	RH
7/27/2006	11:00	7521	RA	F	1-0080-0081-0-23	23	RH	C FL	1158-1203 30-30	CC	P	ATOK	RH

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WSI Waste Services Of Florida Inc

Production Seam Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type gml : 1 Specifications: Seam Pressure: 25-30 lbs 5 min - 2lb Vacuum Box: 5-8 lbs 20 secs

Primary / Secondary: Secondary Series: 1

Production Seam					Location			Nondestructive Test					
Date	*Time*	*Mach. ID*	*Oper. ID*	*Ext/ Fus:*	*SeamNo* Series-Seam1-Seam2-Begin-End	*Length* (ft.)	*QA ID*	*Location*	*Detail*	*Oper.*	*Result*	*Action*	*QA ID*
7/27/2006	11:04	75200020	HEP	F	1-0041-0079-530-507	23	RH	NICB	1245-1250 30-30	AM	P	ATOK	RH
7/27/2006	11:08	75200020	HEP	F	1-0040-0079-507-484	23	RH	NICB	1245-1250 30-30	AM	P	ATOK	RH
7/27/2006	11:10	7515	PGM	F	1-0079-0081-550-407	143	RH	C FL	1300-1305 30-30	CC	P	ATOK	RH
7/27/2006	11:13	75200020	HEP	F	1-0039-0079-484-461	23	RH	NICB	1245-1250 30-30	AM	P	ATOK	RH
7/27/2006	11:14	75200015	BR	F	1-0081-0082-132-271	139	RH	C FL	1200-1205 30-30	CC	P	ATOK	RH
7/27/2006	11:14	7521	RA	F	1-0085-0083-407-411	4	RH	C FL	1221-1226 30-30	CC	P	ATOK	RH
7/27/2006	11:16	7521	RA	F	1-0082-0083-0-275	275	RH	NICB	1221-1226 30-30	AM	P	ATOK	RH
7/27/2006	11:17	75200020	HEP	F	1-0038-0079-461-439	22	RH	NICB	1245-1250 30-30	AM	P	ATOK	RH
7/27/2006	11:21	75200020	HEP	F	1-0037-0079-439-417	22	RH	NWTS	1335-1340 30-30	AM	P	ATOK	RH
7/27/2006	11:26	75200020	HEP	F	1-0036-0079-417-408	9	RH	NICB	1335-1340 30-30	AM	P	ATOK	RH
7/27/2006	11:34	75200015	BR	F	1-0081-0085-407-411	4	RH	C FL	1200-1205 30-30	CC	P	ATOK	RH
7/27/2006	11:53	75200015	BR	F	1-0083-0084-0-132	132	RH	NICB	1230-1235 30 30	AM	P	ATOK	RH
7/27/2006	12:02	75200020	HEP	F	1-0084-0085-0-23	23	RH	C FL	1229-1234 30-30	CC	P	ATOK	RH
7/27/2006	12:02	75200020	HEP	F	1-0084-0086-0-23	23	RH	C FL	1229-1234 30-30	CC	P	ATOK	RH
7/27/2006	12:14	75200015	BR	F	1-0086-0083-132-271	139	RH	NICB	1237-1242 30-30	CC	P	ATOK	RH
7/27/2006	12:18	75200020	HEP	F	1-0044-0079-0-23	23	RH	C FL	1155-1200 30-30	AM	P	ATOK	RH

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WSI Waste Services Of Florida, Inc

Production Seam Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type gml : 1 Specifications: Seam Pressure: 25-30 lbs 5 min - 2lb Vacuum Box: 5-8 lbs 20 secs

Primary / Secondary: Secondary Series: 1

Production Seam					Location			Nondestructive Test					
Date	*Time*	*Mach. ID*	*Oper. ID*	*Ext/ Fus:*	*SeamNo* Series-Seam1-Seam2-Begin-End	*Length* (ft.)	*QA ID*	*Location*	*Detail*	*Oper.*	*Result*	*Action*	*QA ID*
7/27/2006	12:25	75200020	HEP	F	1-0045-0081-23-45	22	RH	C FL	1245-1250 30-30	AM	P	ATOK	RH
7/27/2006	12:27	75200020	HEP	F	1-0085-0046-022	22	RH	C FL	1245-1250 30-30	CC	P	ATOK	RH
7/27/2006	12:30	75200020	HEP	F	1-0046-0085-45-68	23	RH	C FL	1245-1250 30-30	AM	P	ATOK	RH
7/27/2006	12:32	75200020	HEP	F	1-0047-0083-68-90	22	RH	C FL	1245-1250 30-30	AM	P	ATOK	RH
7/27/2006	12:32	75200020	HEP	F	1-0083-0047-0-23	23	RH	C FL	1245-1250 30-30	CC	P	ATOK	RH
7/27/2006	14:20	75200003	RA	F	1-0079-ext-415-438	23	RH	NETS	ext seam	DB	P	VTOK	RH
7/27/2006	14:45	75200020	HEP	F	1-0084-0087-0-135	135	RH	NICB	1556-1601 30-30	AM	P	ATOK	RH
7/27/2006	14:48	75200003	RA	E	1-0080-ext-438-461	23	RH	NETS	ext seam	DB	P	VTOK	RH
7/27/2006	15:12	75200015	BR	F	1-0086-0088-0-23	23	RH	C FL	1551-1556 30-30	AM	P	ATOK	RH
7/27/2006	15:25	75200015	BR	F	1-0084-0048-0-23	23	RH	C FL	1550-1555 30-30	AM	P	ATOK	RH
7/27/2006	15:25	75200020	HEP	F	1-0086-0087-135-271	136	RH	C FL	1623-1628 30-30	AM	P	ATOK	RH
7/27/2006	15:30	75200015	BR	F	1-0088-0073-23-45	22	RH	C FL	1033-1038 30-30	AM	P	ATOK	RH
7/27/2006	15:45	75200003	RA	E	1-0084-ext-506-529	23	RH	NETS	ext seam	DB	P	VTOK	RH
7/27/2006	16:24	75200003	RA	E	1-0087-ext-529-549	20	RH	NETS	ext seam	DB	P	VTOK	RH
7/28/2006	15:05	75200003	RA	E	1-0082-ext-461-484	23	RH	NETS	ext seam	DB	P	VTOK	RH
7/28/2006	15:25	75200003	RA	E	1-0083-ext-484-506	23	RH	NETS	ext seam	DB	P	VTOK	RH

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WSI Waste Services Of Florida, Inc.

Production Seam Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type gml : 1 Specifications: Seam Pressure: 25-30 lbs 5 min - 2lb Vacuum Box: 5-8 lbs 20 secs

Primary / Secondary: Secondary Series: 1

Production Seam					Location			Nondestructive Test					
Date	*Time*	*Mach. ID*	*Oper. ID*	*Ext/ Fus:*	*SeamNo* Series-Seam1-Seam2-Begin-End	*Length* (ft.)	*QA ID*	*Location*	*Detail*	*Oper.*	*Result*	*Action*	*QA ID*
7/28/2006	15:30	75200020	HEP	F	1-0088-0087-266-275	9	RH	C FL	1551-1556 30-30	AM	P	ATOK	RH
8/2/2006	6:35	75200020	HEP	F	1-0094-0095-0-63	63	RH	SEPB	0758-0803 30-30	AM	P	ATOK	RH
8/2/2006	6:42	75200015	BR	F	1-0095-0096-0-63	63	RH	SEPB	0757-0802 30-30	AM	P	ATOK	RH
8/2/2006	6:55	7515	PGM	F	1-0098-0099-0-64	64	RH	SEPB	902-907 30-30	AM	P	ATOK	RH
8/2/2006	6:56	75200020	HEP	F	1-0093-0094-0-63	63	RH	SEPB	0759-0804 30-29	AM	P	ATOK	RH
8/2/2006	7:04	75200015	BR	F	1-0096-0097-0-64	64	RH	SEPB	0756-0801 30-30	AM	P	ATOK	RH
8/2/2006	7:26	7521	AM	F	1-0116-0131-533-557	4	RH	NETS	patched	DB	P	VTOK	RH
8/2/2006	7:35	7515	PGM	F	1-0099-0100-0-64	64	RH	SEPB	903-908 30-30	AM	P	ATOK	RH
8/2/2006	7:36	75200020	HEP	F	1-0089-0093-40-63	23	RH	SEC	804-809 30-30	AM	P	ATOK	RH
8/2/2006	7:36	7521	AM	F	1-0103-0104-0-64	64	RH	SEPB	934-939 30-30	AM	P	ATOK	RH
8/2/2006	7:39	75200020	HEP	F	1-0092-0093-0-40	40	RH	SEC	0825-0830 30-30	AM	P	ATOK	RH
8/2/2006	7:40	75200015	BR	F	1-0097-0098-0-64	64	RH	SEPB	901-906 30-30	AM	P	ATOK	RH
8/2/2006	7:58	75200015	BR	F	1-0101-0102-0-23	23	RH	C FL	931-936 30-30	AM	P	ATOK	RH
8/2/2006	7:58	7521	AM	F	1-0104-0105-0-64	64	RH	SEPB	935-940 30-30	AM	P	ATOK	RH
8/2/2006	8:00	75200020	HEP	F	1-0089-0090-0-35	35	RH	SEC	0825-0830 30-30	AM	P	ATOK	RH
8/2/2006	8:00	7515	PGM	F	1-0100-0102-53-64	11	RH	C FL	904-909 29-29	AM	P	ATOK	RH

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WSI Waste Services Of Florida, Inc.

Production Seam Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type gml : 1 Specifications: Seam Pressure: 25-30 lbs 5 min - 2lb Vacuum Box: 5-8 lbs 20 secs

Primary / Secondary: Secondary Series: 1

Production Seam					Location			Nondestructive Test					
Date	*Time*	*Mach. ID*	*Oper. ID*	*Ext/ Fus:*	*SeamNo* Series-Seam1-Seam2-Begin-End	*Length* (ft.)	*QA ID*	*Location*	*Detail*	*Oper.*	*Result*	*Action*	*QA ID*
8/2/2006	8:03	7515	PGM	F	1-0100-0101-0-53	53	RH	SEPB	904-909 30-30	AM	P	ATOK	RH
8/2/2006	8:05	75200015	BR	F	1-0102-0103-53-64	11	RH	SEPB	931-936 30-30	AM	P	ATOK	RH
8/2/2006	8:07	75200015	BR	F	1-0101-0103-0-53	53	RH	SEPB	931-936 30-30	AM	P	ATOK	RH
8/2/2006	8:25	7515	PGM	F	1-0105-0106-0-65	65	RH	SEPB	957-1002 30-30	AM	P	ATOK	RH
8/2/2006	8:32	75200020	HEP	F	1-0090-0091-0-12	12	RH	SEC	1021-1026 30-30	AM	P	ATOK	RH
8/2/2006	8:36	75200020	HEP	F	1-0090-0092-12-31	19	RH	SEC	1020-1025 30-30	AM	P	ATOK	RH
8/2/2006	8:38	75200015	BR	F	1-0106-0107-0-64	64	RH	SEPB	958-1003 30-30	AM	P	ATOK	RH
8/2/2006	8:45	7521	AM	F	1-0107-0108-0-64	64	RH	SEPB	959-1004 30-30	AM	P	ATOK	RH
8/2/2006	8:45	75200015	BR	F	1-0108-0109-0-63	63	RH	SEPB	1000-1005 30-30	AM	P	ATOK	RH
8/2/2006	8:52	75200020	HEP	F	1-0091-0092-0-17	17	RH	SEC	1022-1027 30-30	AM	P	ATOK	RH
8/2/2006	9:35	7515	PGM	F	1-0126-0127-0-66	66	RH	SEPB	1434-1439 30-30	AM	P	ATOK	RH
8/2/2006	9:39	75200020	HEP	F	1-0078-0100-193-215	22	RH	NETS	1041-1046 30-30	AM	P	ATOK	RH
8/2/2006	9:40	75200020	HEP	F	1-0078-0099-170-193	23	RH	NETS	1041-1046 30-30	AM	P	ATOK	RH
8/2/2006	9:41	75200020	HEP	F	1-0078-0098-147-170	23	RH	NETS	1041-1046 30-30	AM	P	ATOK	RH
8/2/2006	9:43	75200020	HEP	F	1-0078-0097-125-147	22	RH	NETS	1041-1046 30-30	AM	P	ATOK	RH
8/2/2006	9:47	75200020	HEP	F	1-0078-0096-102-125	23	RH	NETS	1041-1046 30-30	AM	P	ATOK	RH

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WSI Waste Services Of Florida, Inc.

Production Seam Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type gml : 1 Specifications: Seam Pressure: 25-30 lbs 5 min - 2lb Vacuum Box: 5-8 lbs 20 secs

Primary / Secondary: Secondary Series: 1

Production Seam					Location			Nondestructive Test					
Date	*Time*	*Mach. ID*	*Oper. ID*	*Ext/ Fus:*	*SeamNo* Series-Seam1-Seam2-Begin-End	*Length* (ft.)	*QA ID*	*Location*	*Detail*	*Oper.*	*Result*	*Action*	*QA ID*
8/2/2006	9:50	75200020	HEP	F	1-0078-0095-80-102	22	RH	NETS	1041-1046 30-30	AM	P	ATOK	RH
8/2/2006	9:53	75200020	HEP	F	1-0078-0094-57-80	23	RH	NETS	1041-1046 30-30	AM	P	ATOK	RH
8/2/2006	9:56	75200020	HEP	F	1-0078-0093-34-57	23	RH	NETS	1041-1046 30-30	AM	P	ATOK	RH
8/2/2006	10:00	75200020	HEP	F	1-0078-0089-0-15	15	RH	SEC	1041-1046 30-30	AM	P	ATOK	RH
8/2/2006	10:02	75200015	FL	F	1-0129-0130-0-66	66	RH	SEPB	1426-1431 30-30	AM	P	ATOK	RH
8/2/2006	10:04	75200020	HEP	F	1-0078-0089-15-34	19	RH	SEC	1041-1046 30-30	AM	P	ATOK	RH
8/2/2006	10:30	75200020	HEP	F	1-0078-0109-374-397	23	RH	NETS	1102-1107 30-29	AM	P	ATOK	RH
8/2/2006	10:34	75200020	HEP	F	1-0078-0108-351-374	23	RH	NETS	1102-1107 30-29	AM	P	ATOK	RH
8/2/2006	10:37	75200020	HEP	F	1-0078-0107-329-351	22	RH	NETS	1102-1107 30-29	AM	P	ATOK	RH
8/2/2006	10:40	75200020	HEP	F	1-0078-0106-306-329	23	RH	NETS	1102-1107 30-29	AM	P	ATOK	RH
8/2/2006	10:41	75200015	BR	F	1-0111-0112-0-23	23	RH	C FL	1329-1334 30-30	AM	P	ATOK	RH
8/2/2006	10:41	7515	PGM	F	1-0119-0133-0-20	20	RH	NEPB	1126-1131 30-30	AM	P	ATOK	RH
8/2/2006	10:43	75200020	HEP	F	1-0078-0105-283-306	23	RH	NETS	1102-1107 30-29	AM	P	ATOK	RH
8/2/2006	10:45	75200020	HEP	F	1-0078-0104-261-283	22	RH	NETS	1102-1107 30-29	AM	P	ATOK	RH
8/2/2006	10:48	75200020	HEP	F	1-0078-0103-238-261	23	RH	NETS	1102-1107 30-29	AM	P	ATOK	RH
8/2/2006	10:49	7521	AM	F	1-0112-0113-545-407	138	RH	C FL	1327-1332 30-30	AM	P	ATOK	RH

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WSI Waste Services Of Florida Inc

Production Seam Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type gml : 1 Specifications: Seam Pressure: 25-30 lbs 5 min - 2lb Vacuum Box: 5-8 lbs 20 secs

Primary / Secondary: Secondary Series: 1

Production Seam					Location			Nondestructive Test					
Date	*Time*	*Mach. ID*	*Oper. ID*	*Ext/ Fus:*	*SeamNo* Series-Seam1-Seam2-Begin-End	*Length* (ft.)	*QA ID*	*Location*	*Detail*	*Oper.*	*Result*	*Action*	*QA ID*
8/2/2006	10:49	7521	AM	F	1-0112-0113-547-407	140	RH	C FL	1327-1332 30-30	AM	P	ATOK	RH
8/2/2006	10:51	75200020	HEP	F	1-0078-0102-215-238	23	RH	NETS	1102-1107 30-29	AM	P	ATOK	RH
8/2/2006	10:53	7521	AM	F	1-0113-0111-545-677	132	RH	NICB	1327-1334 30-30	AM	P	ATOK	RH
8/2/2006	10:55	7515	PGM	F	1-0110-0111-545-677	132	RH	NICB	1329-1334 30-30	AM	P	ATOK	RH
8/2/2006	11:05	75200015	BR	F	1-0087-0110-547-680	133	RH	C FL	1431-1436 30-30	AM	P	ATOK	RH
8/2/2006	11:44	75200015	BR	F	1-0087-0110-414-545	130	RH	C FL	1357-1402 30-30	AM	P	ATOK	RH
8/2/2006	11:44	75200015	BR	F	1-0088-0110-414-407	7	RH	C FL	patched	DB	P	VTOK	RH
8/2/2006	11:50	7515	PGM	F	1-0110-0112-407-545	138	RH	C FL	1329-1334 30-30	AM	P	ATOK	RH
8/2/2006	13:55	7515	PGM	F	1-0113-0114-677-407	270	RH	NICB	1214-1219 30-30	AM	P	ATOK	RH
8/2/2006	14:01	75200020	HEP	F	1-0110-0074-0-23	23	RH	NETS	1458-1503 30-30	AM	P	ATOK	RH
8/2/2006	14:05	75200020	HEP	F	1-0112-0075-0-23	23	RH	NETS	1448-1453 30-30	AM	P	ATOK	RH
8/2/2006	14:08	75200020	HEP	F	1-0113-0076-0-23	23	RH	NETS	1447-1452 30-30	AM	P	ATOK	RH
8/2/2006	14:25	75200015	BR	F	1-0115-0116-0-23	23	RH	NEC	1510-1515 30-30	AM	P	ATOK	RH
8/2/2006	14:30	75200020	HEP	F	1-0114-0077-0-23	23	RH	NETS	1300-1305 30-29	AM	P	ATOK	RH
8/2/2006	14:30	75200015	BR	F	1-0114-0115-540-677	237	TH	NEC	1227-1232 30-30	AM	P	ATOK	TH
8/2/2006	14:36	7521	AM	F	1-0114-0116-540-407	133	RH	NEC	1222-1227 30-29	AM	P	ATOK	RH

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WSI Waste Services Of Florida, Inc.

Production Seam Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type gml : 1 Specifications: Seam Pressure: 25-30 lbs 5 min - 2lb Vacuum Box: 5-8 lbs 20 secs

Primary / Secondary: Secondary Series: 1

Production Seam					Location			Nondestructive Test					
Date	*Time*	*Mach. ID*	*Oper. ID*	*Ext/ Fus:*	*SeamNo* Series-Seam1-Seam2-Begin-End	*Length* (ft.)	*QA ID*	*Location*	*Detail*	*Oper.*	*Result*	*Action*	*QA ID*
8/2/2006	14:58	75200020	HEP	F	1-0116-0078-0-23	23	RH	NETS	1255-1300 30-30	AM	P	ATOK	RH
8/2/2006	19:08	7521	AM	F	1-0115-0117-601-677	76	RH	NETS	0728-0733 30-30	AM	P	ATOK	RH
8/2/2006	19:10	7515	PGM	F	1-0117-0118-0-56	56	RH	SUMP	1927-1932 30-30	AM	P	ATOK	RH
8/2/2006	19:18	7521	AM	F	1-0115-0133-601-579	22	RH	NETS	1245-1250 30-29	AM	P	ATOK	RH
8/2/2006	19:21	7521	AM	F	1-0115-0131-556-537	19	RH	NETS	1245-1250 30-29	AM	P	ATOK	RH
8/2/2006	19:21	7521	AM	F	1-0115-0132-579-556	23	RH	NETS	1245-1250 30-29	AM	P	ATOK	RH
8/2/2006	19:24	7521	AM	F	1-0116-0130-533-510	23	RH	NETS	1245-1250 30-29	AM	P	ATOK	RH
8/2/2006	19:27	7521	AM	F	1-0116-0129-510-488	23	RH	NETS	1245-1250 30-29	AM	P	ATOK	RH
8/2/2006	19:30	7521	AM	F	1-0116-0128-488-465	23	RH	NETS	1245-1250 30-30	AM	P	ATOK	RH
8/2/2006	19:34	7521	AM	F	1-0127-0116-465-442	23	RH	NETS	1245-1250 30-29	AM	P	ATOK	RH
8/2/2006	19:37	7521	AM	F	1-0126-0116-442-420	22	RH	NETS	1245-1250 30-29	AM	P	ATOK	RH
8/2/2006	19:41	7521	AM	F	1-0125-0116-420-407	13	RH	NETS	1245-1250 30-29	AM	P	ATOK	RH
8/2/2006	19:45	7515	PGM	F	1-0118-0119-0-19	19	RH	SUMP	1205-1210 30-30	AM	P	ATOK	RH
8/2/2006	19:45	7521	AM	F	1-0125-0078-407-397	10	RH	NETS	1245-1250 30 29	AM	P	ATOK	RH
8/2/2006	20:00	7515	PGM	F	1-0118-0119-19-80	61	RH	SUMP	1124-1129 30-29	AM	P	ATOK	RH
8/2/2006	20:20	75200020	HEP	F	1-0119-0121-0-25	25	RH	SUMP	1128-1133	AM	P	ATOK	RH

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WSI Waste Services Of Florida, Inc.

Production Seam Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type gml : 1 Specifications: Seam Pressure: 25-30 lbs 5 min - 2lb Vacuum Box: 5-8 lbs 20 secs

Primary / Secondary: Secondary Series: 1

Production Seam					Location			Nondestructive Test					
Date	*Time*	*Mach. ID*	*Oper. ID*	*Ext/ Fus:*	*SeamNo* Series-Seam1-Seam2-Begin-End	*Length* (ft.)	*QA ID*	*Location*	*Detail*	*Oper.*	*Result*	*Action*	*QA ID*
8/2/2006	20:37	75200015	FL	F	1-0122-0124-4-21	17	RH	SUMP	1158-1202	AM	P	ATOK	RH
8/2/2006	20:38	75200015	FL	F	1-0120-0123-0-20	20	RH	SUMP	1152-1157 30-30	AM	P	ATOK	RH
8/2/2006	20:40	75200015	FL	F	1-0119-0120-0-34	34	RH	SUMP	1200-1230 30-30	AM	P	ATOK	RH
8/2/2006	20:50	75200015	FL	F	1-0122-0124-0-4	4	RH	SUMP	patched	DB	P	VTOK	RH
8/2/2006	21:00	75200015	FL	F	1-0123-0124-0-24	24	RH	SUMP	1145-1150 30-30	AM	P	ATOK	RH
8/2/2006	21:06	75200015	FL	F	1-0121-0124-0-20	20	RH	SUMP	1139-1144 30-30	AM	P	ATOK	RH
8/2/2006	21:35	7521	AM	F	1-0109-0125-0-63	63	RH	SEPB	1438-1442 30-30	AM	P	ATOK	RH
8/2/2006	21:47	75200015	BR	F	1-0128-0129-0-66	66	RH	SEPB	1427-1432 30-30	AM	P	ATOK	RH
8/2/2006	21:55	7521	AM	F	1-0125-0126-0-66	66	RH	SEPB	1433-1438 30-30	AM	P	ATOK	RH
8/2/2006	22:15	7515	PGM	F	1-0132-0133-0-60	60	RH	NEPB	1423-1428 30-29	AM	P	ATOK	RH
8/2/2006	22:16	75200015	FL	F	1-0130-0131-0-66	66	RH	SEPB	1425-1430 30-30	AM	P	ATOK	RH
8/2/2006	22:16	7521	AM	F	1-0131-0132-0-66	66	RH	NEPB	1424-1429 30-30	AM	P	ATOK	RH
8/2/2006	22:30	7436	HEP	E	1-0119-0123-12-35	23	RH	SUMP	ext seam	DB	P	VTOK	RH
8/2/2006	22:30	7436	HEP	E	1-0121-0123-0-12	12	RH	SUMP	ext seam	DB	P	VTOK	RH
8/2/2006	22:35	7515	PGM	F	1-0118-0133-20-43	23	RH	NEPB	1115-1120 30-30	AM	P	ATOK	RH
8/2/2006	22:39	7436	HEP	E	1-0120-0123-35-47	12	RH	SUMP	ext seam	DB	P	VTOK	RH

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WSI Waste Services Of Florida, Inc.

Production Seam Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type gml : 1 Specifications: Seam Pressure: 25-30 lbs 5 min - 2lb Vacuum Box: 5-8 lbs 20 secs

Primary / Secondary: Secondary Series: 1

Production Seam					Location			Nondestructive Test					
Date	*Time*	*Mach. ID*	*Oper. ID*	*Ext/ Fus:*	*SeamNo* Series-Seam1-Seam2-Begin-End	*Length* (ft.)	*QA ID*	*Location*	*Detail*	*Oper.*	*Result*	*Action*	*QA ID*
8/3/2006	10:20	7436	HEP	E	1-0110-ext-551-574	23	RH	NETS	ext seam	DB	P	VTOK	RH
8/3/2006	10:25	7436	HEP	E	1-0111-ext-574-596	22	RH	NETS	ext seam	DB	P	VTOK	RH
8/3/2006	10:34	7436	HEP	E	1-0114-ext-619-642	23	RH	NETS	ext seam	DB	P	VTOK	RH
8/3/2006	10:37	7436	HEP	E	1-0115-ext-642-664	22	RH	NETS	ext seam	DB	P	VTOK	RH
8/3/2006	10:39	7436	HEP	E	1-0117-ext-664-686	22	RH	NETS	ext seam	DB	P	VTOK	RH
8/3/2006	10:39	7436	HEP	E	1-0118-ext-686-710	24	RH	NETS	ext seam	DB	P	VTOK	RH
8/3/2006	11:00	7436	HEP	E	1-0119-ext-710-729	19	RH	NETS	ext seam	DB	P	VTOK	RH
8/3/2006	22:00	7515	PGM	F	1-0127-0128-0-66	66	TH	SEPB	1428-1433 30-30	AM	P	ATOK	TH
8/4/2006	10:30	7436	HEP	E	1-0113-ext-596-619	23	RH	NETS	ext seam	DB	P	VTOK	RH
8/28/2006	14:50	75200009	PGM	F	1-0135-0134-0-23	23	RH	SEC	1526-1531 30-30	AM	P	ATOK	RH
8/28/2006	15:00	75200009	PGM	F	1-0135-0093-60-32	28	RH	SEC	1529-1534 30-30	AM	P	ATOK	RH
8/28/2006	15:03	75200009	PGM	F	1-0093-0135-60-36	24	RH	SEC	1530-1535 30-30	AM	P	ATOK	RH
8/28/2006	15:03	75200009	PGM	F	1-0135-0089-34-32	2	RH	SEC	1523-1528 30-30	DB	P	VTOK	RH
8/28/2006	15:04	75200009	PGM	F	1-0092-0135-34-32	2	RH	SEC	patched	DB	P	VTOK	RH
8/28/2006	15:07	75200009	PGM	F	1-0090-0134-23-0	23	RH	SEC	1532-1537 30-30	AM	P	ATOK	RH
8/28/2006	15:07	75200009	PGM	F	1-0092-0134-32-23	9	RH	SEC	1529-1534 30-30	AM	P	ATOK	RH

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WSI Waste Services Of Florida, Inc.

Production Seam Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type gml : 1 Specifications: Seam Pressure: 25-30 lbs 5 min - 2lb Vacuum Box: 5-8 lbs 20 secs

Primary / Secondary: Secondary Series: 1

Production Seam					Location			Nondestructive Test					
Date	*Time*	*Mach. ID*	*Oper. ID*	*Ext/ Fus:*	*SeamNo* Series-Seam1-Seam2-Begin-End	*Length* (ft.)	*QA ID*	*Location*	*Detail*	*Oper.*	*Result*	*Action*	*QA ID*

Total Length Fusion: 23530 Total Length Extrusion: 1371

Comments: 1-0096-0097-0-64:-

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WSI Waste Services Of Florida, Inc.

Repair Summary Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction
Installer: Comanco Environemental Services

Primary / Secondary: Secondary Series: 1

Repair Date	Repair ID	DS No	Repair Type	Location				Size			Welder I.D.		QA ID	Non-Destructive Testing				
				Seam	Panel	Distance (ft.)	Offset (ft.)	Length (ft.)	Width (ft.)	Dia. (ft.)	Mach ID	Oper ID		Date	Oper ID	Result (p/f)	Action	QA ID
7/13/2006	1-0001		P	1/2/3		11 FSAT		3	2		74300003	CC	RH	7/14/2006	NV	P	VTOK	RH
7/15/2006	1-0002		P	1/3/20		33 FWTS		2	2		74300003	CC	RH	7/15/2006	NV	P	VTOK	RH
7/15/2006	1-0003		P	3-4-20		42 FWTS		2	2		74300003	CC	RH	7/15/2006	NV	P	VTOK	RH
7/15/2006	1-0004		P	4-5-20		65 FWTS		2	2		74300003	CC	RH	7/15/2006	NV	P	VTOK	RH
7/15/2006	1-0005		P	5-6-20		88 FWTS		3	2		74300003	CC	RH	7/15/2006	NV	P	VTOK	RH
7/15/2006	1-0006		P		6-7-20	110 FWTS		2	2		74300003	CC	RH	7/15/2006	NV	P	VTOK	RH
7/15/2006	1-0007		P	7-8-20		133 FWTS		2	2		74300003	CC	RH	7/15/2006	NV	P	VTOK	RH
7/15/2006	1-0008		P	8-9-20		156 FWTS		2	2		74300003	CC	RH	7/15/2006	NV	P	VTOK	RH
7/15/2006	1-0009		P	9-10-20		179 FWTS		2	2		74300003	CC	RH	7/15/2006	NV	P	VTOK	RH
7/15/2006	1-0010	1-001	P	8-9		13 FSAT		6	2		74300003	CC	RH	7/15/2006	NV	P	VTOK	RH
7/15/2006	1-0011		P	10-11-20		202 FWTS		2	2		74300003	CC	RH	7/15/2006	NV	P	VTOK	RH
7/15/2006	1-0012		P	11-12-20		225 FWTS		2	2		74300003	CC	RH	7/15/2006	NV	P	VTOK	RH
7/15/2006	1-0013	1-003	P	20-21		227 FWTS		6	2		74300003	NV	RH	7/15/2006	CC	P	VTOK	RH
7/15/2006	1-0014		P	12-13-20		248 FWTS		2	2		74300003	NV	RH	7/15/2006	CC	P	VTOK	RH
7/15/2006	1-0015		P	13-14-20		271 FWTS		2	2		74300003	NV	RH	7/15/2006	AM	P	VTOK	RH
7/13/2006	1-0016		P	13-14		15 FSAT		2	2		74300003	CC	RH	7/14/2006	NV	P	VTOK	RH
7/15/2006	1-0017		P	14-15-20		294 FWTS		2	2		74300003	NV	RH	7/15/2006	AM	P	VTOK	RH

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WSI Waste Services Of Florida Inc.

Repair Summary Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction
Installer: Comanco Environemental Services

Primary / Secondary: Secondary Series: 1

Repair Date	Repair ID	DS No	Repair Type	Location				Size			Welder I.D.		QA ID	Non-Destructive Testing				
				Seam	Panel	Distance (ft.)	Offset (ft.)	Length (ft.)	Width (ft.)	Dia. (ft.)	Mach ID	Oper ID		Date	Oper ID	Result (p/f)	Action	QA ID
7/15/2006	1-0018		P	15-17-20		316 FWTS		2	2		74300003	NV	RH	7/15/2006	AM	P	VTOK	RH
7/14/2006	1-0019		P	16-17-20		339 FWTS		2	2		7428	HEP	RH	7/15/2006	AM	P	VTOK	RH
7/14/2006	1-0020	1-002	P	17-20	350 FWTS			6	2		7428	HEP	RH	7/15/2006	AM	P	VTOK	RH
7/14/2006	1-0021		P	17-18-20		362 FWTS		2	2		7428	HEP	RH	7/15/2006	AM	P	VTOK	RH
7/14/2006	1-0022		P		18-19-20	385 FWTS		2	2		7428	HEP	RH	7/15/2006	AM	P	VTOK	RH
7/15/2006	1-0023	1-004	P	21-22		300 FWTS		6	3		74300003	NV	RH	7/17/2006	CC	P	VTOK	RH
7/15/2006	1-0024	1-007	P	24-25		320 FWTS		6	2		74300003	NV	RH	7/15/2006	CC	P	VTOK	RH
7/15/2006	1-0025	1-006	P	23-24		120 FWTS		6	2		74300003	NV	RH	7/17/2006	AM	P	VTOK	RH
7/15/2006	1-0026	1-005	P	22-23		12 FWTS		6	2		74300003	NV	RH	7/17/2006	AM	P	VTOK	RH
7/15/2006	1-0027	1-009	P	27-28		20 FWTS		6	2		74300003	NV	RH	7/17/2006	AM	P	VTOK	RH
7/15/2006	1-0028	1-008	P	25-26		320 FWTS		6	2		74300003	NV	RH	7/17/2006	AM	P	VTOK	RH
7/15/2006	1-0029	1-010	P	28-29		120 FWTS		6	2		74300003	NV	RH	7/17/2006	AM	P	VTOK	RH
7/15/2006	1-0030	1-011	P	29-30		220 FWTS		6	2		74300003	NV	RH	7/17/2006	AM	P	VTOK	RH
7/15/2006	1-0031	1-012	P	30-31		320 FWTS		6	2		74300003	NV	RH	7/17/2006	AM	P	VTOK	RH
7/15/2006	1-0032	1-013	P	32-33		20 FWTS		6	2		74300003	NV	RH	7/17/2006	AM	P	VTOK	RH
7/14/2006	1-0033		P	2-ext		4 FSAT		2	2		74300003	RA	RH	7/15/2006	AM	P	VTOK	RH
7/13/2006	1-0034		P	1/2/ext		11 FSAT		2	2		74300003	CC	RH	7/14/2006	NV	P	VTOK	RH

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Repair Summary Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction
Installer: Comanco Environemental Services

Primary / Secondary: Secondary Series: 1

Repair Date	Repair ID	DS No	Repair Type	Location				Size			Welder I.D.		QA ID	Non-Destructive Testing				
				Seam	Panel	Distance (ft.)	Offset (ft.)	Length (ft.)	Width (ft.)	Dia. (ft.)	Mach ID	Oper ID		Date	Oper ID	Result (p/f)	Action	QA ID
7/14/2006	1-0035		P	1/ext		24 FSAT		4	2		74300003	RA	RH	7/14/2006	NV	P	VTOK	RH
7/14/2006	1-0036		P	1/20/ext		31 FSAT		2	2		74300003	RA	RH	7/15/2006	AM	P	VTOK	RH
7/15/2006	1-0037		P	20-ext		47 FSAT		2	2		7428	PM	RH	7/15/2006	RA	P	VTOK	RH
7/15/2006	1-0038		P	20-21-ext		54 FSAT		2	2		7428	PM	RH	7/15/2006	AM	P	VTOK	RH
7/15/2006	1-0039		P	21-ext		69 FSAT		2	2		7428	PM	RH	7/15/2006	AM	P	VTOK	RH
7/15/2006	1-0040		P	21-22-ext		77 FSAT		2	2		7428	PM	RH	7/15/2006	AM	P	VTOK	RH
7/15/2006	1-0041		P	22-ext		91 FSAT		2	2		7428	PM	RH	7/15/2006	AM	P	VTOK	RH
7/15/2006	1-0042		P	22-23-ext		99 FSAT		2	2		7428	PM	RH	7/15/2006	AM	P	VTOK	RH
7/15/2006	1-0043		P	23-ext		113 FSAT		2	2		7428	PM	RH	7/15/2006	AM	P	VTOK	RH
7/15/2006	1-0044		P	23-24-ext		122 FSAT		2	2		7428	PM	RH	7/15/2006	AM	P	VTOK	RH
7/15/2006	1-0045		P	24-ext		136 FSAT		2	2		7428	PM	RH	7/15/2006	AM	P	VTOK	RH
7/15/2006	1-0046	1-014	P	0033-0034		120 FWTS		6	2		74300003	NV	RH	7/17/2006	AM	P	VTOK	RH
7/15/2006	1-0047	1-015	P	0034-0035		220 FWTS		6	2		74300003	NV	RH	7/17/2006	AM	P	VTOK	RH
7/15/2006	1-0048		P	0038-0039		90 FWTS		10	3		74300003	NV	RH	7/15/2006	AM	P	VTOK	RH
7/15/2006	1-0049		P	0036-0037		14 FWTS		5	2		74300003	NV	RH	7/17/2006	NV	P	VTOK	RH
7/15/2006	1-0050	1-017	P	0037-0038		16 FWTS		6	2		74300003	CC	RH	7/17/2006	NV	P	VTOK	RH
7/15/2006	1-0051	1-016	P	0035-0036		320 FWTS		6	2		74300003	CC	RH	7/17/2006	NV	P	VTOK	RH

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WSI Waste Services Of Florida, Inc.

Repair Summary Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction
Installer: Comanco Environemental Services

Primary / Secondary: Secondary Series: 1

Repair Date	Repair ID	DS No	Repair Type	Location				Size			Welder I.D.		QA ID	Non-Destructive Testing				
				Seam	Panel	Distance (ft.)	Offset (ft.)	Length (ft.)	Width (ft.)	Dia. (ft.)	Mach ID	Oper ID		Date	Oper ID	Result (p/f)	Action	QA ID
7/15/2006	1-0052	1-018	P	0024-ext		143 FSAT		6	2		74300003	PM	RH	7/15/2006	DB	P	VTOK	RH
7/17/2006	1-0053	1-019	P	0038-0039		36 FWTS		6	2		74300009	NV	RH	7/17/2006	RA	P	VTOK	RH
7/17/2006	1-0054	1-020	P	0039-0040		120 FWTS		6	2		74300009	NV	RH	7/17/2006	AM	P	VTOK	RH
7/17/2006	1-0055	1-021	P	0040-0041		220 FWTS		6	2		74300009	NV	RH	7/17/2006	DB	P	VTOK	RH
7/17/2006	1-0056	1-022	P	0041-0042		320FWTS		6	2		74300009	NV	RH	7/17/2006	DB	P	VTOK	RH
7/15/2006	1-0057		P	25-ext		159 FSAT		2	2		7428	PGM	RH	7/17/2006	DB	P	VTOK	RH
7/15/2006	1-0058		P	25-26-ext		168 FSAT		2	2		7428	PGM	RH	7/17/2006	DB	P	VTOK	RH
7/15/2006	1-0059		P	26-ext		182 FSAT		2	2		7428	PGM	RH	7/17/2006	DB	P	VTOK	RH
7/15/2006	1-0060		P	26-27-ext		191 FSAT		2	2		7428	PGM	RH	7/17/2006	DB	P	VTOK	RH
7/15/2006	1-0061		P	27/ext		205 FSAT		2	2		7428	PGM	RH	7/17/2006	DB	P	VTOK	RH
7/15/2006	1-0062		P	27-28-ext		214 FSAT		2	2		7428	PGM	RH	7/17/2006	DB	P	VTOK	RH
7/17/2006	1-0063		P	28/ext		228 FSAT		2	2		7428	PGM	RH	7/17/2006	DB	P	VTOK	RH
7/15/2006	1-0064		P	28/29/ext		237 FSAT		2	2		7428	PGM	RH	7/17/2006	DB	P	VTOK	RH
7/15/2006	1-0065		P	29-ext		243 FSAT		2	2		7428	PGM	RH	7/17/2006	DB	P	VTOK	RH
7/15/2006	1-0066		P	29-ext		251 FSAT		2	2		7428	PGM	RH	7/17/2006	DB	P	VTOK	RH
7/17/2006	1-0067		P		0027	194 FSAT	3'26/27	2	2		74300003	RA	RH	7/17/2006	DB	P	VTOK	RH
7/17/2006	1-0068		P		27	194	3'26/27	2	2		74300003	RA	RH	7/17/2006	DB	P	VTOK	RH

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WSI Waste Services Of Florida, Inc.

Repair Summary Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction
Installer: Comanco Environemental Services

Primary / Secondary: Secondary Series: 1

Repair Date	Repair ID	DS No	Repair Type	Location				Size			Welder I.D.		QA ID	Non-Destructive Testing				
				Seam	Panel	Distance (ft.)	Offset (ft.)	Length (ft.)	Width (ft.)	Dia. (ft.)	Mach ID	Oper ID		Date	Oper ID	Result (p/f)	Action	QA ID
7/17/2006	1-0069		P		0027	194	3' 26/27	2	2		74300003	RA	RH	7/17/2006	DB	P	VTOK	RH
7/15/2006	1-0070		P	29-30-ext		260 FSAT		2	2		7428	PGM	RH	7/17/2006	DB	P	VTOK	RH
7/17/2006	1-0071		C	35-ext		272		2	2		74300003	RA	RH	7/18/2006	DB	P	VTOK	RH
7/15/2006	1-0072		P	30-31-ext		283 FSAT		2	2		7428	PGM	RH	7/17/2006	DB	P	VTOK	RH
7/15/2006	1-0073		P	31-ext		283 FSAT		2	2		74300003	RA	RH	7/17/2006	DB	P	VTOK	RH
7/15/2006	1-0074		P	31-ext		295 FSAT		2	2		74300003	RA	RH	7/17/2006	DB	P	VTOK	RH
7/15/2006	1-0075		P	31-32-ext		305 FSAT		2	2		74300003	RA	RH	7/17/2006	DB	P	VTOK	RH
7/15/2006	1-0076		P	32-ext		318 FSAT		2	2		74300003	RA	RH	7/17/2006	AF	P	VTOK	RH
7/15/2006	1-0077		P	32-33-ext		328 FSAT		2	2		74300003	RA	RH	7/17/2006	DB	P	VTOK	RH
7/15/2006	1-0078		P	33		340 FSAT		2	2		74300003	RA	RH	7/17/2006	DB	P	VTOK	RH
7/17/2006	1-0079		P	33-34-ext		350 FSAT		2	2		74300003	RA	RH	7/17/2006	DB	P	VTOK	RH
7/15/2006	1-0080		P	34-ext		362 FSAT		2	2		74300003	RA	RH	7/17/2006	DB	P	VTOK	RH
7/17/2006	1-0081		P	34-35-ext		373 FSAT		2	2		74300003	RA	RH	7/17/2006	DB	P	VTOK	RH
7/17/2006	1-0082		P	35-ext		382 FSAT		2	2		74300003	RA	RH	7/17/2006	DB	P	VTOK	RH
7/17/2006	1-0083		P	35-36-ext		393 FSAT		2	2		74300003	RA	RH	7/17/2006	DB	P	VTOK	RH
7/17/2006	1-0084		P	36-37-ext		416 FSAT		2	2		74300009	HEP	RH	7/17/2006	DB	P	VTOK	RH
7/17/2006	1-0085		P	37-38-ext		439 FSAT		2	2		74300009	HEP	RH	7/17/2006	DB	P	VTOK	RH

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WSI Waste Services Of Florida, Inc

Repair Summary Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction
Installer: Comanco Environemental Services

Primary / Secondary: Secondary Series: 1

Repair Date	Repair ID	DS No	Repair Type	Location				Size			Welder I.D.		QA ID	Non-Destructive Testing				
				Seam	Panel	Distance (ft.)	Offset (ft.)	Length (ft.)	Width (ft.)	Dia. (ft.)	Mach ID	Oper ID		Date	Oper ID	Result (p/f)	Action	QA ID
7/17/2006	1-0086		P	38-ext		451 FSAT		2	2		74300009	HEP	RH	7/17/2006	DB	P	VTOK	RH
7/17/2006	1-0087		P	38-39-ext		462 FSAT		2	2		74300009	NV	RH	7/17/2006	DB	P	VTOK	RH
7/17/2006	1-0088		P	39-ext		474 FSAT		2	2		74300009	NV	RH	7/17/2006	DB	P	VTOK	RH
7/17/2006	1-0089		P	39-40-ext		485 FSAT		2	2		74300009	NV	RH	7/17/2006	DB	P	VTOK	RH
7/17/2006	1-0090		P	40-ext		496 FSAT		2	2		74300009	NV	RH	7/17/2006	DB	P	VTOK	RH
7/17/2006	1-0091		P	40-41-ext		507 FSAT		2	2		74300009	NV	RH	7/17/2006	DB	P	VTOK	RH
7/17/2006	1-0092		P	41-ext		518 FSAT		4	3		74300009	NV	RH	7/17/2006	DB	P	VTOK	RH
7/17/2006	1-0093		P	41-42-ext		530 FSAT		2	2		74300009	NV	RH	7/17/2006	DB	P	VTOK	RH
7/17/2006	1-0094		P	42-ext		540 FSAT		2	2		74300003	RA	RH	7/17/2006	DB	P	VTOK	RH
7/17/2006	1-0095		P	42-42-ext		552 FSAT		2	2		74300003	RA	RH	7/17/2006	DB	P	VTOK	RH
7/17/2006	1-0096	1-023	P	41-ext		520 FSAT		6	2		74300003	HEP	RH	7/17/2006	DB	P	VTOK	RH
7/23/2006	1-0097		P	19-20-44		31 FSAT		2	2		74300003	RA	RH	7/23/2006	DB	p	VTOK	RH
7/23/2006	1-0098		P	20-21-44		53 FSAT		2	2		74300003	RA	RH	7/23/2006	DB	p	VTOK	RH
7/23/2006	1-0099		P	21-22-44		78 FSAT		2	2		74300003	RA	RH	7/23/2006	DB	p	VTOK	TH
7/23/2006	1-0100		P	22-23-44		99 FSAT		2	2		74300003	RA	RH	7/23/2006	DB	p	VTOK	TH
7/23/2006	1-0101		P	23-24-44		122 FSAT		2	2		74300003	RA	RH	7/23/2006	AM	P	VTOK	RH
7/23/2006	1-0102		P	24-25-44		144 FSAT		2	2		74300003	RA	RH	7/23/2006	AM	P	VTOK	RH

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WSI Waste Services Of Florida Inc

Repair Summary Log

Project: JED Solid Waste Facilty
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Installer: Comanco Environemental Services

Primary / Secondary: Secondary Series: 1

Repair Date	Repair ID	DS No	Repair Type	Location				Size			Welder I.D.		QA ID	Non-Destructive Testing				
				Seam	Panel	Distance (ft.)	Offset (ft.)	Length (ft.)	Width (ft.)	Dia. (ft.)	Mach ID	Oper ID		Date	Oper ID	Result (p/f)	Action	QA ID
7/23/2006	1-0103		P	25-26-44		167 FSAT		2	2		74300003	RA	RH	7/23/2006	AM	P	VTOK	RH
7/23/2006	1-0104		P	26-44		175 FSAT		6	2		74300003	RA	RH	7/23/2006	AM	P	VTOK	RH
7/23/2006	1-0105		P	26-27-44		189 FSAT		2	2		74300003	RA	RH	7/23/2006	AM	P	VTOK	RH
7/23/2006	1-0106		P	27-28-44		213 FSAT		2	2		74300003	RA	RH	7/23/2006	AM	P	VTOK	RH
7/23/2006	1-0107		P	28-44		231 FSAT		2	2		74300003	RA	RH	7/23/2006	AM	P	VTOK	RH
7/23/2006	1-0108		P	28-29-44		236 FSAT		2	2		74300003	RA	RH	7/23/2006	AM	P	VTOK	RH
7/23/2006	1-0109		P	29-30-44		258 FSAT		2	2		74300003	RA	RH	7/23/2006	AM	P	VTOK	RH
7/23/2006	1-0110		P	30-31-44		281 FSAT		2	2		74300003	RA	RH	7/23/2006	AM	P	VTOK	RH
7/23/2006	1-0111		P	31-32-44		304 FSAT		2	2		74300003	RA	RH	7/23/2006	AM	P	VTOK	RH
7/23/2006	1-0112		P	32-33-44		327 FSAT		2	2		74300003	RA	RH	7/23/2006	DB	P	VTOK	RH
7/23/2006	1-0113		P	33-34-44		349 FSAT		2	2		74300003	RA	RH	7/23/2006	DB	P	VTOK	RH
7/23/2006	1-0114		P	34-35-44		372 FSAT		2	2		74300003	RA	RH	7/23/2006	DB	P	VTOK	RH
7/23/2006	1-0115		P	35-36-44		394 FSAT		2	2		74300003	RA	RH	7/23/2006	DB	P	VTOK	RH
7/23/2006	1-0116		P		44	399 FSAT		2	2		74300003	RA	RH	7/23/2006	DB	P	VTOK	RH
7/23/2006	1-0117	1-025	P	0044-0045		120 FSAT		6	2		74300003	RA	RH	7/23/2006	AF	P	VTOK	RH
7/23/2006	1-0118	1-026	P	45-46		220 FSAT		6	2		74300003	RA	TH	7/23/2006	DB	P	VTOK	RH
7/23/2006	1-0119	1-027	P	46-47		320 FSAT		6	2		74300003	RA	RH	7/23/2006	DB	P	VTOK	RH

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WSI Waste Services Of Florida, Inc.

Repair Summary Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction
Installer: Comanco Environemental Services

Primary / Secondary: Secondary Series: 1

Repair Date	Repair ID	DS No	Repair Type	Location				Size			Welder I.D.		QA ID	Non-Destructive Testing				
				Seam	Panel	Distance (ft.)	Offset (ft.)	Length (ft.)	Width (ft.)	Dia. (ft.)	Mach ID	Oper ID		Date	Oper ID	Result (p/f)	Action	QA ID
7/23/2006	1-0120		P	19-44		0 AT		4	2		74300003	RA	RH	7/23/2006	DB	P	VTOK	RH
7/24/2006	1-0121		P	43-ext		554 FSAT		6	2		74300003	RA	RH	7/25/2006	DB	P	VTOK	RH
7/25/2006	1-0122	1-028	P	43-49		20 FWTS		6	2		74300003	RA	TH	7/25/2006	DB	P	VTOK	RH
7/25/2006	1-0123	1-030	P	49-50		120 FWTS		6	2		74300003	RA	RH	7/25/2006	DB	P	VTOK	RH
7/24/2006	1-0124		P	43-ext		558 FSAT		2	2		74300003	RA	RH	7/25/2006	DB	P	VTOK	RH
7/24/2006	1-0125		P	43-49-ext		578 FSAT		2	2		74300003	RA	RH	7/25/2006	DB	P	VTOK	RH
7/24/2006	1-0126		P	49-50-ext		601 FSAT		2	2		74300003	RA	RH	7/25/2006	DB	P	VTOK	RH
7/24/2006	1-0127		P	49-ext		590 FSAT		2	2		74300003	RA	RH	7/25/2006	DB	P	VTOK	RH
7/25/2006	1-0128		P	50-ext		615 FSAT		2	2		74300003	RA	RH	7/25/2006	DB	P	VTOK	RH
7/25/2006	1-0129		P	50-51-ext		615 FSAT		2	2		74300003	RA	RH	7/25/2006	DB	P	VTOK	RH
7/25/2006	1-0130		P	51-ext		625 FSAT		2	2		74300003	RA	RH	7/25/2006	DB	P	VTOK	RH
7/25/2006	1-0131	1-029	P	67-50		300 FWTS		6	2		74300003	RA	RH	7/25/2006	DB	P	VTOK	RH
7/25/2006	1-0132		P	53-54-51		24 FNTS		12	2		74300003	RA	RH	7/25/2006	DB	P	VTOK	TH
7/25/2006	1-0133		P	51-52-54		36 FWTS		2	2		74300003	RA	RH	7/25/2006	DB	P	VTOK	RH
7/25/2006	1-0134		P	54-51-55		57 FNTS		3	3		74300003	RA	TH	7/25/2006	DB	P	VTOK	RH
7/25/2006	1-0135		P	55-50-51		67 FNTS		3	3		74300003	RA	TH	7/25/2006	DB	P	VTOK	RH
7/25/2006	1-0136		P	55-56-50		87 FWTS		3	2		74300003	RA	RH	7/25/2006	DB	P	VTOK	SL

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Repair Summary Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
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Installer: Comanco Environemental Services

Primary / Secondary: Secondary Series: 1

Repair Date	Repair ID	DS No	Repair Type	Location				Size			Welder I.D.		QA ID	Non-Destructive Testing				
				Seam	Panel	Distance (ft.)	Offset (ft.)	Length (ft.)	Width (ft.)	Dia. (ft.)	Mach ID	Oper ID		Date	Oper ID	Result (p/f)	Action	QA ID
7/25/2006	1-0137		P	56-50		96 FWTS		5	2		74300003	RA	RH	7/25/2006	DB	P	VTOK	SL
7/25/2006	1-0138		P	56-57-50		110 FWTS		2	2		74300003	RA	RH	7/25/2006	DB	P	VTOK	SL
7/25/2006	1-0139		P	57-58-50		132 FWTS		3	2		7436	HEP	RH	7/25/2006	DB	P	VTOK	SL
7/25/2006	1-0140		P	51-52-ext		643 FSAT		2	2		74300003	RA	RH	7/25/2006	DB	P	VTOK	SL
7/25/2006	1-0141		P	52-ext		654 FSAT		2	2		74300003	RA	RH	7/25/2006	DB	P	VTOK	SL
7/25/2006	1-0142		P	52-59-ext		678 FSAT		10	2		74300003	RA	RH	7/25/2006	DB	P	VTOK	SL
7/25/2006	1-0143		P	59-52-53		10 FWTS		5	3		74300003	RA	RH	7/25/2006	DB	P	VTOK	SL
7/25/2006	1-0144		P	59-53-ext		11 FWTS		2	2		74300003	RA	RH	7/25/2006	DB	P	VTOK	SL
7/25/2006	1-0145		P	53-54-ext		30 FWTS		2	2		74300003	RA	RH	7/25/2006	AM	P	VTOK	SL
7/25/2006	1-0146		P	54-55-ext		52 FWTS		2	2		74300003	RA	RH	7/25/2006	AM	P	VTOK	SL
7/25/2006	1-0147		P	55-56-ext		75 FWTS		2	2		7436	HEP	RH	7/25/2006	AM	P	VTOK	SL
7/25/2006	1-0148		P	56-57-ext		98 FWTS		2	2		7436	HEP	RH	7/25/2006	AM	P	VTOK	TH
7/25/2006	1-0149		P	57-58-ext		120 FWTS		2	2		7436	HEP	RH	7/25/2006	AM	P	VTOK	TH
7/25/2006	1-0150		P	58-60-ext		143 FWTS		2	2		7436	HEP	RH	7/25/2006	AM	P	VTOK	SL
7/25/2006	1-0151		P	60-61-ext		166 FWTS		2	2		7436	HEP	RH	7/25/2006	AM	P	VTOK	SL
7/25/2006	1-0152		P	61-62-ext		190 FWTS		2	2		7436	HEP	RH	7/25/2006	AM	P	VTOK	RH
7/25/2006	1-0153		P	62-63-ext		211 FWTS		2	2		7436	HEP	RH	7/25/2006	AM	P	VTOK	SL

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Repair Date	Repair ID	DS No	Repair Type	Location				Size			Welder I.D.		QA ID	Non-Destructive Testing				
				Seam	Panel	Distance (ft.)	Offset (ft.)	Length (ft.)	Width (ft.)	Dia. (ft.)	Mach ID	Oper ID		Date	Oper ID	Result (p/f)	Action	QA ID
7/25/2006	1-0154		P	63-64-ext		234 FWTS		2	2		7403	PGM	RH	7/25/2006	AM	P	VTOK	SL
7/25/2006	1-0155		P	64-65-ext		256 FWTS		2	2		7403	PGM	RH	7/25/2006	AM	P	VTOK	TH
7/25/2006	1-0156		P	65-66-ext		278 FWTS		2	2		7403	PGM	RH	7/25/2006	AM	P	VTOK	SL
7/25/2006	1-0157		P	66-68-3xt		302 FWTS		2	2		7403	PGM	RH	7/25/2006	AM	P	VTOK	SL
7/25/2006	1-0158		P	68-69-ext		325 FWTS		2	2		7403	PGM	TH	7/25/2006	AM	P	VTOK	SL
7/25/2006	1-0159		P	69-70-ext		345 FWTS		2	2		7403	PGM	RH	7/25/2006	AM	P	VTOK	SL
7/25/2006	1-0160		P	70-71-ext		369 FWTS		2	2		7403	PGM	RH	7/25/2006	AM	P	VTOK	SL
7/25/2006	1-0161		P	71-72-ext		393 FWTS		2	2		7403	PGM	RH	7/25/2006	AM	P	VTOK	SL
7/25/2006	1-0162	1-031	P	71-ext		390 FWTS		6	2		7403	PGM	TH	7/25/2006	AM	P	VTOK	SL
7/25/2006	1-0163		P	71-72-50		396 FWTS		2	2		7436	HEP	RH	7/25/2006	AM	P	VTOK	SL
7/25/2006	1-0164		P	70-71-ext		383 FWTS		2	2		7436	HEP	RH	7/25/2006	CC	p	VTOK	TH
7/25/2006	1-0165		P	69-70-ext		361 FWTS		2	2		7436	HEP	RH	7/25/2006	CC	p	VTOK	TH
7/25/2006	1-0166		P	68-69-50		338 FWTS		2	2		7436	HEP	RH	7/25/2006	CC	p	VTOK	TH
7/25/2006	1-0167		P	67-68-50		315 FWTS		2	2		7436	HEP	RH	7/25/2006	CC	p	VTOK	TH
7/25/2006	1-0168		P	66-68-67		47 FNTS		2	2		7436	HEP	RH	7/25/2006	CC	p	VTOK	TH
7/25/2006	1-0169		P	65-66-67		47 FNTS		2	2		7436	HEP	RH	7/25/2006	CC	p	VTOK	TH
7/25/2006	1-0170		P	70-50		371 FWTS		9	2		7436	HEP	RH	7/25/2006	CC	p	VTOK	TH

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WSI Waste Services Of Florida, Inc.

Repair Summary Log

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Installer: Comanco Environemental Services

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Repair Date	Repair ID	DS No	Repair Type	Location				Size			Welder I.D.		QA ID	Non-Destructive Testing				
				Seam	Panel	Distance (ft.)	Offset (ft.)	Length (ft.)	Width (ft.)	Dia. (ft.)	Mach ID	Oper ID		Date	Oper ID	Result (p/f)	Action	QA ID
7/25/2006	1-0171		P	65-67-50		293 FWTS		2	2		7436	HEP	RH	7/25/2006	CC	p	VTOK	TH
7/25/2006	1-0172		P	64-65-50		270 FWTS		2	2		7436	HEP	RH	7/25/2006	CC	p	VTOK	TH
7/25/2006	1-0173		P	63-64-50		247 FWTS		2	2		7436	HEP	RH	7/25/2006	CC	p	VTOK	TH
7/25/2006	1-0174		P	62-63-50		223 FWTS		3	3		7436	HEP	RH	7/25/2006	CC	p	VTOK	TH
7/25/2006	1-0175		P	61-62-50		202 FWTS		2	2		7436	HEP	RH	7/25/2006	CC	p	VTOK	TH
7/25/2006	1-0176		P	60-61-50		179 FWTS		2	2		7436	HEP	RH	7/25/2006	CC	p	VTOK	TH
7/25/2006	1-0177		P	58-60-50		155 FWTS		2	2		7436	HEP	RH	7/25/2006	CC	p	VTOK	TH
7/25/2006	1-0178		P		50	125 FWTS	6 N 49-50	2	2		74300003	RA	RH	7/25/2006	CC	p	VTOK	TH
7/27/2006	1-0179	1-033	P	48-73		380 FSAT		6	2		74300003	RA	RH	7/27/2006	DB	P	VTOK	RH
7/27/2006	1-0180	1-034	P	0073-0074		280 FSAT		6	2		74300003	RA	RH	7/28/2006	DB	P	VTOK	RH
7/27/2006	1-0181	1-035	P	74-75		160 FSAT		6	2		74300003	RA	RH	7/28/2006	DB	P	VTOK	RH
7/27/2006	1-0182		P	48-73		1 FSAT		2	2		74300003	RA	RH	7/28/2006	DB	P	VTOK	RH
7/27/2006	1-0183		C	76-77		393-407		14	2		74300003	RA	RH	7/28/2006	DB	P	VTOK	RH
7/27/2006	1-0184	1-036	P	75-76		20 FSAT		6	2		74300003	RA	RH	7/28/2006	DB	P	VTOK	RH
7/27/2006	1-0185	1-037	P	76-77		200 FSAT		6	3		74300003	RA	RH	7/28/2006	AM	P	VTOK	RH
7/27/2006	1-0186	1-038	P	72-79		615 FSAT		6	2		7403	PGM	RH	7/28/2006	DB	P	VTOK	RH
7/28/2006	1-0187	1-039	P	80-81		2 E of 79-8		6	2		74300003	RA	RH	7/28/2006	CT	P	VTOK	RH

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WSI Waste Services Of Florida, Inc.

Repair Summary Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction
Installer: Comanco Environemental Services

Primary / Secondary: Secondary Series: 1

Repair Date	Repair ID	DS No	Repair Type	Location				Size			Welder I.D.		QA ID	Non-Destructive Testing				
				Seam	Panel	Distance (ft.)	Offset (ft.)	Length (ft.)	Width (ft.)	Dia. (ft.)	Mach ID	Oper ID		Date	Oper ID	Result (p/f)	Action	QA ID
7/27/2006	1-0188		P	50-72-79		621 FSAT		2	2		7403	PGM	RH	7/28/2006	DB	P	VTOK	RH
7/27/2006	1-0189		P	49-50-79		598 FSAT		2	2		7403	PGM	RH	7/28/2006	DB	P	VTOK	RH
7/27/2006	1-0190		P	43-49-79		576 FSAT		2	2		7403	PGM	RH	7/28/2006	DB	P	VTOK	RH
7/27/2006	1-0191		P	42-43-79		553 FSAT		2	2		7403	PGM	RH	7/28/2006	CT	P	VTOK	RH
7/27/2006	1-0192		P	41-42-79		530 FSAT		2	2		7403	PGM	RH	7/28/2006	CT	P	VTOK	RH
7/28/2006	1-0193		P	79-80-81		132 FNTS		3	2		74300003	RA	RH	7/28/2006	CT	P	VTOK	RH
7/28/2006	1-0194		P	80-81-82		132 FNTS		3	2		74300003	RA	RH	7/28/2006	CT	P	VTOK	RH
7/28/2006	1-0195		P	40-41-79		507 FSAT		2	2		74300003	RA	RH	7/28/2006	CT	P	VTOK	RH
7/28/2006	1-0196		P	39-40-79		484 FSAT		2	2		74300003	RA	RH	7/28/2006	CT	P	VTOK	RH
7/28/2006	1-0197		P	38-39-79		461 FSAT		7	3		74300003	RA	RH	7/28/2006	CT	P	VTOK	RH
7/28/2006	1-0198		P	37-38-79		439 FSAT		2	2		7436	HEP	RH	7/28/2006	DB	P	VTOK	RH
7/28/2006	1-0199		P	36-37-79		417 FSAT		2	2		7436	HEP	RH	7/28/2006	DB	P	VTOK	RH
7/28/2006	1-0200		P	44-79-36-37		407 FSAT		12	2		7436	HEP	RH	7/28/2006	DB	P	VTOK	RH
7/28/2006	1-0201		P	44-45-79-81		407 FSAT		3	2		7436	HEP	RH	7/28/2006	CT	P	VTOK	RH
7/28/2006	1-0202		P	45-46-81-85		411 FSAT		3	3		7436	HEP	RH	7/28/2006	CT	P	VTOK	RH
7/28/2006	1-0203		P	81-85-82		411 FSAT		2	2		74300003	HEP	RH	7/28/2006	CT	P	VTOK	RH
7/28/2006	1-0204		P	46-47-85-83		407 FSAT		5	3		7436	HEP	RH	7/28/2006	DB	P	VTOK	RH

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WSI Waste Services Of Florida, Inc.

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Repair Date	Repair ID	DS No	Repair Type	Location				Size			Welder I.D.		QA ID	Non-Destructive Testing				
				Seam	Panel	Distance (ft.)	Offset (ft.)	Length (ft.)	Width (ft.)	Dia. (ft.)	Mach ID	Oper ID		Date	Oper ID	Result (p/f)	Action	QA ID
7/28/2006	1-0205		P	85-82-83		411 FSAT		2	2		7436	HEP	RH	7/28/2006	CT	P	VTOK	RH
7/28/2006	1-0206		P	47-48-83-84		407 FSAT		2	3		7436	HEP	RH	7/28/2006	CT	P	VTOK	RH
7/28/2006	1-0207	1-040	P	82-83		438 FSAT		6	2		7436	HEP	RH	7/28/2006	DB	P	VTOK	RH
7/27/2006	1-0208		P	83-84-86		135 FNTS		2	2		7436	HEP	RH	7/28/2006	DB	P	VTOK	RH
7/28/2006	1-0209	1-041	P	83-84		62 FNTS		6	2		74300003	RA	RH	7/28/2006	DB	P	VTOK	RH
7/27/2006	1-0210		P	72-79-ext		415 FWTS		6	2		74300003	RA	RH	7/28/2006	DB	P	VTOK	RH
7/27/2006	1-0211		P	79-ext		429 FWTS		2	2		74300003	RA	RH	7/28/2006	DB	P	VTOK	RH
7/27/2006	1-0212		P	79-80-ext		437 FWTS		2	2		74300003	RA	RH	7/27/2006	DB	P	VTOK	RH
7/27/2006	1-0213		P	80-ext		456 FWTS		2	2		74300003	RA	RH	7/28/2006	DB	P	VTOK	RH
7/27/2006	1-0214		P	80-82-ext		461 FWTS		3	2		74300003	RA	RH	7/28/2006	DB	P	VTOK	RH
7/27/2006	1-0215		P	82-ext		478 FWTS		2	2		74300003	RA	RH	7/28/2006	DB	P	VTOK	RH
7/27/2006	1-0216		P	82-83-ext		484 FWTS		2	2		74300003	RA	RH	7/28/2006	DB	P	VTOK	RH
7/27/2006	1-0217		P	83-ext		501 FWTS		2	2		74300003	RA	RH	7/28/2006	DB	P	VTOK	RH
7/27/2006	1-0218		P	83-84-ext		506 FWTS		2	2		74300003	RA	RH	7/28/2006	DB	P	VTOK	RH
7/27/2006	1-0219		P	84-ext		523 FWTS		5	2		74300003	RA	RH	7/28/2006	DB	P	VTOK	RH
7/28/2006	1-0220		P	84-86-87		135 FNTS		2	2		74300003	RA	RH	7/28/2006	DB	P	VTOK	RH
7/28/2006	1-0221		P	86-87-88		266 FWTS		2	2		7436	HEP	RH	7/28/2006	DB	P	VTOK	RH

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WSI Waste Services Of Florida, Inc.

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Description: Cell 3 Construction
Installer: Comanco Environemental Services

Primary / Secondary: Secondary Series: 1

Repair Date	Repair ID	DS No	Repair Type	Location				Size			Welder I.D.		QA ID	Non-Destructive Testing				
				Seam	Panel	Distance (ft.)	Offset (ft.)	Length (ft.)	Width (ft.)	Dia. (ft.)	Mach ID	Oper ID		Date	Oper ID	Result (p/f)	Action	QA ID
7/28/2006	1-0222		P	73-48-86-88		407 FSAT		3	3		7436	HEP	RH	7/28/2006	DB	P	VTOK	RH
8/3/2006	1-0223	1-042	P	89-93		45 FEAT		6	2		7403	PGM	RH	8/4/2006	DB	P	VTOK	RH
8/3/2006	1-0224	1-043	P	0097-0098		30 FEAT		6	2		7403	PGM	RH	8/3/2006	DB	P	VTOK	RH
8/3/2006	1-0225	1-044	P	0078-0100		205 FSAT		6	2		7403	PGM	RH	8/3/2006	DB	P	VTOK	RH
8/3/2006	1-0226	1-045	P	0105-0106		46 FEAT		6	2		7403	PGM	RH	8/3/2006	DB	P	VTOK	RH
8/3/2006	1-0227		P	78-89		15 FSAT		4	3		7403	PGM	RH	8/3/2006	DB	P	VTOK	RH
8/3/2006	1-0228		P	78-89-93		34 FSAT		2	2		7403	PGM	TH	8/3/2006	DB	P	VTOK	TH
8/3/2006	1-0229		P	89-90-92-93		40 FEAT		4	2		7403	PGM	RH	8/3/2006	DB	P	VTOK	TH
8/3/2006	1-0230		P	90-91-92		12 FSAT		3	2		7403	PGM	RH	8/3/2006	DB	P	VTOK	TH
8/3/2006	1-0231		P	94-95		0 AT		2	2		7403	PGM	TH	8/3/2006	DB	P	VTOK	TH
8/3/2006	1-0232		P	95-96		0 EAT		2	2		7403	PGM	TH	8/3/2006	DB	P	VTOK	TH
8/3/2006	1-0233		P	78-93-94		57 FSAT		2	2		7403	PGM	TH	8/3/2006	DB	P	VTOK	TH
8/3/2006	1-0234		P	78-94-95		80 FSAT		2	2		7403	PGM	RH	8/3/2006	DB	P	VTOK	TH
8/3/2006	1-0235		P	78-95-96		102 FSAT		22			7403	PGM	TH	8/3/2006	DB	P	VTOK	TH
8/3/2006	1-0236		P	78-96-97		125 FSAT		2	2		7403	PGM	RH	8/3/2006	DB	P	VTOK	TH
8/3/2006	1-0237		P	78-97-98		147 FSAT		2	2		7403	PGM	TH	8/3/2006	DB	P	VTOK	TH
8/3/2006	1-0238		P	78-98-99		170 FSAT		2	2		7403	PGM	TH	8/3/2006	DB	P	VTOK	TH

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Installer: Comanco Environemental Services

Primary / Secondary: Secondary Series: 1

Repair Date	Repair ID	DS No	Repair Type	Location				Size			Welder I.D.		QA ID	Non-Destructive Testing				
				Seam	Panel	Distance (ft.)	Offset (ft.)	Length (ft.)	Width (ft.)	Dia. (ft.)	Mach ID	Oper ID		Date	Oper ID	Result (p/f)	Action	QA ID
8/3/2006	1-0239		P	78-99-100		193 FSAT		2	2		7403	PGM	TH	8/3/2006	DB	P	VTOK	TH
8/3/2006	1-0240		P	78-100-102		215 FSAT		2	2		7403	PGM	TH	8/3/2006	DB	P	VTOK	TH
8/3/2006	1-0241		P	100-101-102		53 FEAT		2	2		7403	PGM	TH	8/3/2006	DB	P	VTOK	TH
8/3/2006	1-0242		P	78-102-103		238 FSAT		2	2		7403	PGM	TH	8/3/2006	DB	P	VTOK	TH
8/3/2006	1-0243		P	101-102-103		53 FEAT		2	2		7403	PGM	TH	8/3/2006	DB	P	VTOK	TH
8/3/2006	1-0244		P	78-103-104		261 FSAT		2	2		7403	PGM	TH	8/3/2006	DB	P	VTOK	TH
8/3/2006	1-0245		P	78-104-105		283 FSAT		2	2		7403	PGM	TH	8/4/2006	DB	P	VTOK	TH
8/3/2006	1-0246		P	104-105		33 FEAT		2	2		7403	PGM	TH	8/4/2006	DB	P	VTOK	TH
8/3/2006	1-0247		P	78-105-106		306 FSAT		2	2		7403	PGM	TH	8/4/2006	DB	P	VTOK	TH
8/3/2006	1-0248		P	78-106-107		329 FSAT		2	2		7403	PGM	TH	8/3/2006	DB	P	VTOK	TH
8/3/2006	1-0249		P	78-107-108		351 FSAT		2	2		7403	PGM	TH	8/4/2006	DB	P	VTOK	TH
8/3/2006	1-0250		P	78-108-109		374 FSAT		2	2		7403	PGM	TH	8/4/2006	DB	P	VTOK	TH
8/4/2006	1-0251		P	77-78-114-116		407 FSAT		3	2		7436	HEP	TH	8/4/2006	DB	P	VTOK	TH
8/4/2006	1-0252		P	76-77-113-114		407 FSAT		2	2		7436	HEP	TH	8/4/2006	DB	P	VTOK	TH
8/4/2006	1-0253		P	75-76-112-113		407 FSAT		2	2		7436	HEP	TH	8/4/2006	DB	P	VTOK	TH
8/4/2006	1-0254		P	74-75-110-112		406 FSAT		2	2		7436	HEP	TH	8/4/2006	DB	P	VTOK	TH
8/4/2006	1-0255		P	73-74-88-110		407 FSAT		7	3		7436	HEP	TH	8/4/2006	DB	P	VTOK	TH

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Installer: Comanco Environemental Services

Primary / Secondary: Secondary Series: 1

Repair Date	Repair ID	DS No	Repair Type	Location				Size			Welder I.D.		QA ID	Non-Destructive Testing				
				Seam	Panel	Distance (ft.)	Offset (ft.)	Length (ft.)	Width (ft.)	Dia. (ft.)	Mach ID	Oper ID		Date	Oper ID	Result (p/f)	Action	QA ID
8/4/2006	1-0256	1-047	P	74-110		4 E 73-88		6	2		7436	HEP	TH	8/4/2006	DB	P	VTOK	TH
8/4/2006	1-0257		P	87-88-110		414 FSAT		2	2		7436	HEP	TH	8/4/2006	DB	P	VTOK	TH
8/4/2006	1-0258	1-046	P	87-110		500 FSAT		6	2		7436	HEP	TH	8/4/2006	DB	P	VTOK	TH
8/2/2006	1-0259		P	87-110		535 FSAT		2	2		74300003	HEP	RH	8/3/2006	DB	P	VTOK	TH
8/4/2006	1-0260		P	87-110		547 FSAT		4	2		7436	HEP	TH	8/4/2006	DB	P	VTOK	TH
8/4/2006	1-0261		P	110-111-112		545 FSAT		3	3		7436	HEP	TH	8/4/2006	DB	P	VTOK	TH
8/4/2006	1-0262		P	111-112-113		547 FSAT		3	3		7436	HEP	TH	8/4/2006	DB	P	VTOK	TH
8/4/2006	1-0263		P	111-113		554 FSAT		2	2		7436	HEP	TH	8/4/2006	DB	P	VTOK	TH
8/4/2006	1-0264	1-048	P	113-114		550 FSAT		6	2		7436	HEP	TH	8/4/2006	DB	P	VTOK	TH
8/4/2006	1-0265		P	114-115-116		540 FSAT		2	2		7436	HEP	TH	8/4/2006	DB	P	VTOK	TH
8/4/2006	1-0266		P	115-116-131		540 FSAT		2	2		7436	HEP	TH	8/4/2006	DB	P	VTOK	RH
8/3/2006	1-0267		P		108	55 FSAT	12 N 107	2	2		7403	PGM	TH	8/4/2006	DB	P	VTOK	TH
8/3/2006	1-0268		P	78-109-125		397 FSAT		3	3		7403	PGM	RH	8/4/2006	DB	P	VTOK	TH
8/3/2006	1-0269		P	125-116-78		407 FSAT		2	2		7403	PGM	RH	8/4/2006	DB	P	VTOK	TH
8/4/2006	1-0270		P	125-126-116		420 FSAT		2	2		74300003	FL	TH	8/4/2006	DB	P	VTOK	TH
8/4/2006	1-0271		P	126-127-116		442 FSAT		2	2		74300003	FL	TH	8/4/2006	DB	P	VTOK	TH
8/4/2006	1-0272		P	127-128-116		465 FSAT		2	2		74300003	FL	TH	8/4/2006	DB	P	VTOK	RH

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Repair Date	Repair ID	DS No	Repair Type	Location				Size			Welder I.D.		QA ID	Non-Destructive Testing				
				Seam	Panel	Distance (ft.)	Offset (ft.)	Length (ft.)	Width (ft.)	Dia. (ft.)	Mach ID	Oper ID		Date	Oper ID	Result (p/f)	Action	QA ID
8/4/2006	1-0273		P		128	58 FEAT	10 S 129	2	2		74300003	FL	TH	8/4/2006	DB	P	VTOK	TH
8/4/2006	1-0274		P		128	55	10 S 129	2	2		74300003	FL	TH	8/4/2006	DB	P	VTOK	TH
8/4/2006	1-0275		P		128	53 FEAT	10 S 129	2	2		74300003	FL	TH	8/4/2006	DB	P	VTOK	TH
8/4/2006	1-0276		P		128	50 FEAT	10 S 129	2	2		74300003	FL	TH	8/4/2006	DB	P	VTOK	RH
8/4/2006	1-0277		P	128-129-116		488 FSAT		2	2		74300003	FL	TH	8/4/2006	DB	P	VTOK	RH
8/4/2006	1-0278		P	129-130-116		510 FSAT		2	2		74300003	FL	TH	8/4/2006	DB	P	VTOK	TH
8/4/2006	1-0279		P	130-131-115-116		533 FSAT		5	2		7436	HEP	TH	8/4/2006	DB	P	VTOK	TH
8/4/2006	1-0280		P	131-132-115		556 FSAT		2	2		74300003	FL	TH	8/4/2006	DB	P	VTOK	TH
8/4/2006	1-0281		P	132-133-115		579 FSAT		2	2		74300003	FL	TH	8/4/2006	DB	P	VTOK	TH
8/4/2006	1-0282		C	117-133-118		601 FSAT		25	4		74300003	FL	RH	8/4/2006	DB	P	VTOK	TH
8/4/2006	1-0283		P	sump		28 FS		24	2		74300003	FL	TH	8/4/2006	DB	P	VTOK	TH
8/2/2006	1-0284		P		120	21 FTS		3	2		7436	HEP	TH	8/3/2006	DB	P	VTOK	TH
8/2/2006	1-0285		C	122-123		15 FTS		12	2		74300003	HEP	TH	8/3/2006	DB	P	VTOK	TH
8/3/2006	1-0286		P	123-124-121		18 FTS		2	2		74300003	FL	RH	8/3/2006	DB	P	VTOK	TH
8/4/2006	1-0287		P	133-118-119		20 FEAT		3	2		74300003	FL	RH	8/3/2006	DB	P	VTOK	TH
8/3/2006	1-0288		P	118-119		22 FNTS		3	2		74300003	FL	TH	8/3/2006	DB	P	VTOK	TH
8/4/2006	1-0289	1-049	P	128-129		18 FEAT		6	2		74300003	FL	TH	8/3/2006	DB	P	VTOK	TH

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Repair Summary Log

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				Seam	Panel	Distance (ft.)	Offset (ft.)	Length (ft.)	Width (ft.)	Dia. (ft.)	Mach ID	Oper ID		Date	Oper ID	Result (p/f)	Action	QA ID
8/4/2006	1-0290	1-050	P	115-130		538 FSAT		6	2		7436	HEP	TH	8/3/2006	DB	P	VTOK	TH
8/3/2006	1-0291	1-051	P	0123-0119		sump		6	2		74300003	FL	RH	8/3/2006	DB	P	VTOK	RH
8/3/2006	1-0292		P		123	14 N 121		2	2		74300003	FL	RH	8/3/2006	DB	P	VTOK	RH
8/3/2006	1-0293		P	121-123		6 W 124		2	2		74300003	FL	RH	8/3/2006	DB	P	VTOK	RH
8/3/2006	1-0294		P		117	42 FNTS		3	2		74300003	FL	RH	8/3/2006	DB	P	VTOK	RH
8/3/2006	1-0295		P		117	47 FNTS		2	2		74300003	FL	RH	8/3/2006	DB	P	VTOK	RH
8/3/2006	1-0296		P		117	48 FNTS		2	2		74300003	FL	RH	8/3/2006	DB	P	VTOK	RH
8/3/2006	1-0297	1-052	P	0118-ext		594 FWTS		6	2		7436	HEP	TH	8/4/2006	DB	P	VTOK	RH
8/3/2006	1-0298		P	0087-110-ext		551 FWTS		8	2		7436	HEP	TH	8/4/2006	DB	P	VTOK	TH
8/3/2006	1-0299		P	110-ext		569 FWTS		2	2		7436	HEP	TH	8/4/2006	DB	P	VTOK	TH
8/3/2006	1-0300		P	110-111-ext		574 FWTS		2	2		7436	HEP	TH	8/4/2006	DB	P	VTOK	TH
8/3/2006	1-0301		P	111-ext		590 FWTS		2	2		7436	HEP	TH	8/4/2006	DB	P	VTOK	TH
8/3/2006	1-0302		P	111-113-ext		596 FWTS		2	2		7436	HEP	TH	8/4/2006	DB	P	VTOK	TH
8/3/2006	1-0303		P	113-ext		613 FWTS		2	2		7436	HEP	TH	8/4/2006	DB	P	VTOK	TH
8/3/2006	1-0304		P	113-114-ext		619 FWTS		2	2		7436	HEP	TH	8/4/2006	DB	P	VTOK	TH
8/3/2006	1-0305		P	114-ext		636 FWTS		2	2		7436	HEP	TH	8/4/2006	DB	P	VTOK	TH
8/3/2006	1-0306		P	114-115-ext		642 FWRS		2	2		7436	HEP	RH	8/4/2006	DB	P	VTOK	TH

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WSI Waste Services Of Florida Inc.

Repair Summary Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction
Installer: Comanco Environemental Services

Primary / Secondary: Secondary Series: 1

Repair Date	Repair ID	DS No	Repair Type	Location				Size			Welder I.D.		QA ID	Non-Destructive Testing				
				Seam	Panel	Distance (ft.)	Offset (ft.)	Length (ft.)	Width (ft.)	Dia. (ft.)	Mach ID	Oper ID		Date	Oper ID	Result (p/f)	Action	QA ID
8/3/2006	1-0307		P	115-ext		658 FWTS		2	2		7436	HEP	TH	8/4/2006	DB	P	VTOK	TH
8/3/2006	1-0308		P	115-117-ext		664 FWTS		2	2		7436	HEP	TH	8/4/2006	DB	P	VTOK	TH
8/3/2006	1-0309		P	117-ext		676 FWTS		2	2		7436	HEP	TH	8/4/2006	DB	P	VTOK	TH
8/3/2006	1-0310		P	117-ext		680 FWTS		2	2		7436	HEP	TH	8/4/2006	DB	P	VTOK	TH
8/3/2006	1-0311		P	117-118-ext		686 FWTS		2	2		7436	HEP	TH	8/4/2006	DB	P	VTOK	TH
8/4/2006	1-0312		P	122-120		AT		6	2		74300003	FL	RH	8/4/2006	AF	P	VTOK	RH
8/3/2006	1-0313		P	118-ext		700 FWTS		3	2		7436	HEP	TH	8/4/2006	DB	P	VTOK	TH
8/3/2006	1-0314		P	118-119-ext		710 FWTS		2	2		7436	HEP	TH	8/4/2006	DB	P	VTOK	TH
8/3/2006	1-0315		P	119-ext		716 FWTS		2	2		7436	HEP	TH	8/4/2006	DB	P	VTOK	TH
8/3/2006	1-0316		P	119-ext		729 FWTS		2	2		7436	HEP	TH	8/4/2006	DB	P	VTOK	TH
8/4/2006	1-0317		P		117	30 FNTS	10 E 115	9	3		74300003	FL	TH	8/4/2006	AF	P	VTOK	TH
8/4/2006	1-0318		P	122-123		AT		6	2		74300003	FL	RH	8/4/2006	AF	P	VTOK	RH
8/4/2006	1-0319		P	121-124		AT		6	4		74300003	FL	RH	8/4/2006	AF	P	VTOK	RH
8/4/2006	1-0320		P	119-120-133		AT		13	6		74300003	FL	RH	8/4/2006	AF	P	VTOK	RH
8/4/2006	1-0321		P	122-120		10 FTS		4	2		74300003	FL	RH	8/4/2006	DB	P	VTOK	RH
8/4/2006	1-0322		P	119-121		AT		8	4		74300003	FL	RH	8/4/2006	DB	P	VTOK	RH
8/28/2006	1-0323		P	92-93-134-135		30 FEAT		2	2		7413	AL	RH	8/28/2006	DB	P	VTOK	RH

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WSI Waste Services Of Florida, Inc.

Repair Summary Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction
Installer: Comanco Environemental Services

Primary / Secondary: Secondary Series: 1

Repair Date	Repair ID	DS No	Repair Type	Location				Size			Welder I.D.		QA ID	Non-Destructive Testing				
				Seam	Panel	Distance (ft.)	Offset (ft.)	Length (ft.)	Width (ft.)	Dia. (ft.)	Mach ID	Oper ID		Date	Oper ID	Result (p/f)	Action	QA ID
8/28/2006	1-0324		P	93-89-134-135		32 FSAT		3	2		7413	AL	RH	8/28/2006	DB	P	VTOK	RH
8/28/2006	1-0325		P	93-94-135		30 FEAT		3	2		7413	AL	RH	8/28/2006	DB	P	VTOK	RH
8/28/2006	1-0326		P	94-93-135		53 FEAT		4	2		7413	AL	RH	8/28/2006	DB	P	VTOK	RH
8/28/2006	1-0327		P	90-92-134		23 FSAT		2	2		7413	AL	RH	8/28/2006	DB	P	VTOK	RH

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Destructive Test Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Test Reqs: Fusion: Peel Inside: 78 Peel Outside: 78 Shear: 120
Extrusion: Peel: 70 Shear: 108

Primary / Secondary: Secondary Series: 1 MaterialType: 1

Sample Data									Test Data						Re test 1	Re test 2
Samp No	Weld Type	Track Type	Location Seam	Location Dist. (ft.)	Mach ID	Oper ID	Date Samp		Peel Inside	Peel Outside	Shear	Unit ppi/psi	Result (P/F)	QA ID		
1-001	F	D	0008-0009	13' FSAT	75200020	HEP	7/13/2006	Lab	129	145	173	ppi	P	RH	-	-
								Field	112	109	150	PPI	P	RH		
1-002	F	D	0017-0020	50 FWT	75200020	HEP	7/14/2006	Lab	130	138	165	ppi	P	RH	-	-
								Field	114	120	150	PPI	P	RH		
1-003	F	D	0020-0021	27 FWT	75200020	HEP	7/14/2006	Lab	120	130	183	ppi	P	RH	-	-
								Field	119	120	161	PPI	P	RH		
1-004	F	D	0021-0022	00 FWT	7521	RA	7/14/2006	Lab	128	133	182	ppi	P	RH	-	-
								Field	121	119	162	PPI	P	RH		
1-005	F	D	0022-0023	12 FWTS	75200015	BR	7/14/2006	Lab	130	122	180	ppi	P	RH	-	-
								Field	116	123	165	PPI	P	RH		
1-006	F	D	0023-0024	20 FWT	75200020	HEP	7/14/2006	Lab	128	133	184	ppi	P	RH	-	-
								Field	121	122	165	PPI	P	RH		
1-007	F	D	0024-0025	20 FWT	7521	RA	7/14/2006	Lab	123	123	174	psi	P	RH	-	-
								Field	114	123	156	PPI	P	RH		
1-008	F	D	0025-0026	20 FWT	75200015	BR	7/14/2006	Lab	137	126	174	ppi	P	RH	-	-
								Field	123	122	155	PPI	P	RH		
1-009	F	D	0027-0028	20 FWTS	7521	RA	7/14/2006	Lab	140	127	173	ppi	P	RH	-	-
								Field	121	116	153	PPI	P	RH		
1-010	F	D	0028-0029	20 FWT	7521	RA	7/15/2006	Lab	143	127	170	ppi	P	RH	-	-
								Field	122	122	169	PPI	P	RH		
1-011	F	D	0029-0030	20 FWT	75200015	BR	7/15/2006	Lab	138	133	177	ppi	P	RH	-	-
								Field	116	120	152	PPI	P	RH		

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Destructive Test Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Test Reqs: Fusion: Peel Inside: 78 Peel Outside: 78 Shear: 120
Extrusion: Peel: 70 Shear: 108

Primary / Secondary: Secondary Series: 1 MaterialType: 1

Sample Data									Test Data								
Samp No	Weld Type	Track Type	Location		Mach ID	Oper ID	Date Samp		Peel		Shear	Unit ppi/psi	Result (P/F)	QA ID	Re test 1	Re test 2
			Seam	Dist. (ft.)					Inside	Outside						
1-012	F	D	0030-0031	20 FWT	75200020	HEP	7/15/2006	Lab	125	125	175	ppi	P	RH	-	-
								Field	114	119	154	PPI	P	RH		
1-013	F	D	0032-0033	20 FWT	75200015	BR	7/15/2006	Lab	134	134	176	ppi	P	RH	-	-
								Field	120	122	155	PPI	P	RH		
1-014	F	D	0033-0034	20 FWT	75200020	HEP	7/15/2006	Lab	130	132	181	ppi	P	RH	-	-
								Field	119	116	147	PPI	P	RH		
1-015	F	D	0034-0035	20 FWT	7521	RA	7/15/2006	Lab	122	136	179	ppi	P	RH	-	-
								Field	116	119	147	PPI	P	RH		
1-016	F	D	0035-0036	20 FWT	75200015	BR	7/15/2006	Lab	131	135	179	ppi	P	RH	-	-
								Field	117	120	150	PPI	P	RH		
1-017	F	D	0037-0038	16 FWT	75200020	HEP	7/15/2006	Lab	127	128	179	ppi	P	RH	-	-
								Field	121	114	135	PPI	P	RH		
1-018	E	S	0024-ext	43 FSA	7428	PG	7/15/2006	Lab	133	NA	152	ppi	P	RH	-	-
								Field	110	na	150	PPI	P	RH		
1-019	F	D	0038-0039	36 FWT	7521	RA	7/17/2006	Lab	126	141	184	PPI	P	RH	-	-
								Field	112	111	144	PPI	P	RH		
1-020	F	D	0039-0040	20 FWT	75200020	HEP	7/17/2006	Lab	141	119	178	PPI	P	RH	-	-
								Field	114	119	146	PPI	P	RH		
1-021	F	D	0040-0041	20 FWT	75200015	BR	7/17/2006	Lab	134	127	176	PPI	P	RH	-	-
								Field	113	115	138	PPI	P	RH		
1-022	F	D	0041-0042	20 FWT	75200020	HEP	7/17/2006	Lab	129	126	186	PPI	P	RH	-	-
								Field	120	119	168	PPI	P	RH		

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Destructive Test Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Test Reqs: Fusion: Peel Inside: 78 Peel Outside: 78 Shear: 120
Extrusion: Peel: 70 Shear: 108

Primary / Secondary: Secondary Series: 1 MaterialType: 1

Sample Data									Test Data								
									Peel		Shear	Unit	Result	QA	Re test	Re test
Samp No	Weld Type	Track Type	Location Seam	Location Dist. (ft.)	Mach ID	Oper ID	Date Samp		Inside	Outside		ppi/psi	(P/F)	ID	1	2
1-023	E	S	0041-ext	20 FSAT	74300009	NV	7/17/2006	Lab	138	na	116	PPI	P	RH	-	-
								Field	105	na	144	PPI	P	RH		
1-024	F	D	0019-0044	20 FSAT	75200026	HEP	7/23/2006	Lab	128	139	153	PPI	P	RH	-	-
								Field	118	118	157	PPI	P	RH		
1-025	F	D	0044-0045	20 FSAT	75200020	HEP	7/23/2006	Lab	122	136	179	ppi	P	RH	-	-
								Field	108	116	151	PPI	P	RH		
1-026	F	D	0045-0046	20 FSAT	7521	RA	7/23/2006	Lab	127	144	181	ppi	P	RH	-	-
								Field	111	110	157	PPI	P	RH		
1-027	F	D	0046-0047	20 FSAT	7515	PGM	7/23/2006	Lab	125	130	176	ppi	P	RH	-	-
								Field	111	108	147	PPI	P	RH		
1-028	F	D	0043-0049	20 FWTS	7521	RA	7/24/2006	Lab	136	130	190	PPI	P	RH	-	-
								Field	123	120	149	PPI	P	RH		
1-029	F	D	0067-0050	00 FWT	75200020	HEP	7/24/2006	Lab	125	158	175	PPI	P	RH	-	-
								Field	127	118	150	PPI	P	RH		
1-030	F	D	0049-0050	20 FWT	75200015	BR	7/24/2006	Lab	137	138	190	PPI	P	RH	-	-
								Field	124	129	157	PPI	P	RH		
1-031	E	S	0071-ext	03 FWT	7403	PGM	7/25/2006	Lab	131	na	164	PPI	P	RH	-	-
								Field	121	na	139	PPI	P	RH		
1-032	F	D	0052-0053	24 FWTS	75200020	HEP	7/24/2006	Lab	146	143	161	PPI	P	RH	-	-
								Field	121	115	165	PPI	P	RH		
1-033	F	D	0048-0073	80 FSAT	7521	RA	7/27/2006	Lab	127	142	188	ppi	P	RH	-	-
								Field	123	131	156	ppi	P	RH		

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Destructive Test Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Test Reqs: Fusion: Peel Inside: 78 Peel Outside: 78 Shear: 120
Extrusion: Peel: 70 Shear: 108

Primary / Secondary: Secondary Series: 1 MaterialType: 1

Sample Data								Test Data						Re test 1	Re test 2
Samp No	Weld Type	Track Type	Location Seam	Location Dist. (ft.)	Mach ID	Oper ID	Date Samp	Peel Inside	Peel Outside	Shear	Unit ppi/psi	Result (P/F)	QA ID		
1-034	F	D	0073-0074	80 FSA	75200020	HEP	7/27/2006	Lab 124	139	189	PPI	P	RH	-	-
								Field 133	118	150	PPI	P	RH		
1-035	F	D	0074-0075	60 FSA	7515	PGM	7/27/2006	Lab 132	125	190	PPI	P	RH	-	-
								Field 140	121	147	PPI	P	RH		
1-036	F	D	0075-0076	20 FSA	75200015	BR	7/27/2006	Lab 141	135	196	ppi	P	RH	-	-
								Field 121	116	165	PPI	P	RH		
1-037	F	D	0076-0077	00 FSA	7521	RA	7/27/2006	Lab 127	138	186	PPI	P	RH	-	-
								Field 116	117	155	PPI	P	RH		
1-038	F	D	0072-0079	15 FSA	75200020	HEP	7/27/2006	Lab 135	125	181	ppi	P	RH	-	-
								Field 118	110	151	PPI	P	RH		
1-039	F	D	80-81	12 79-80	7521	RA	7/27/2006	Lab 155	150	163	PPI	P	RH	-	-
								Field 113	117	149	PPI	P	RH		
1-040	F	D	0082-0083	38 FSA	75200015	BR	7/27/2006	Lab 126	128	187	ppi	P	RH	-	-
								Field 120	117	166	PPI	P	RH		
1-041	F	D	0083-0084	62 FNTS	75200015	BR	7/27/2006	Lab 130	135	188	ppi	P	RH	-	-
								Field 119	115	167	PPI	P	RH		
1-042	F	D	0089-0093	45 FEAT	75200020	HEP	8/2/2006	Lab 138	132	160	PPI	P	RH	-	-
								Field 135	127	156	PPI	P	RH		
1-043	F	D	0097-0098	30 FEAT	75200015	BR	8/2/2006	Lab 135	135	182	PPI	P	RH	-	-
								Field 130	124	172	PPI	P	RH		
1-044	F	D	0078-0100	05 FSA	75200020	HEP	8/2/2006	Lab 142	138	157	ppi	P	RH	-	-
								Field 140	108	170	PPI	P	RH		

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Destructive Test Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Test Reqs: Fusion: Peel Inside: 78 Peel Outside: 78 Shear: 120
Extrusion: Peel: 70 Shear: 108

Primary / Secondary: Secondary Series: 1 MaterialType: 1

Sample Data									Test Data							
Samp No	Weld Type	Track Type	Location Seam	Location Dist. (ft.)	Mach ID	Oper ID	Date Samp		Peel Inside	Peel Outside	Shear	Unit ppi/psi	Result (P/F)	QA ID	Re test 1	Re test 2
1-045	F	D	0105-0106	46 FEAT	7521	PGM	8/2/2006	Lab	148	112	184	ppi	P	RH	-	-
								Field	140	112	176	PPI	P	RH		
1-046	F	D	0087-0110	00 FSA	75200015	BR	8/2/2006	Lab	144	141	185	ppi	P	RH	-	-
								Field	133	137	179	PPI	P	RH		
1-047	F	D	0074-0110	6 E 88	75200020	HEP	8/2/2006	Lab	140	138	150	ppi	P	RH	-	-
								Field	134	129	147	PPI	P	RH		
1-048	F	D	0113-0114	50 FEA	7515	PGM	8/2/2006	Lab	127	131	184	ppi	P	RH	-	-
								Field	124	133	176	PPI	P	RH		
1-049	F	D	0128-0129	18 FEA	75200015	FL	8/3/2006	Lab	139	128	183	ppi	P	RH	-	-
								Field	135	122	174	PPI	P	RH		
1-050	F	D	0115-0130	38 FSA	7521	AM	8/3/2006	Lab	151	129	186	ppi	P	RH	-	-
								Field	145	121	177	PPI	P	RH		
1-051	E	S	sump		74300003	HEP	8/3/2006	Lab	134	NA	156	ppi	P	RH	-	-
								Field	130	na	155	PPI	P	RH		
1-052	E	S	117/ext	694 fwts	7436	HEP	8/3/2006	Lab	134	NA	162	ppi	P	RH	-	-
								Field	131	na	158	PPI	P	RH		

Comments:

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Panel Placement Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Primary / Secondary: Primary Series: 2 Material Type: gml

Panel	*Batch-Roll*	*Date*	*Time*	*Placement/Location/Comments*	*Width (ft.)*	*Length (ft.)*	*QA ID*
1	5340	8/17/2006	6:00	SWC	22.5	36	RH
2	5340	8/17/2006	6:05	SWC	16	23	RH
3	5340	8/17/2006	6:10	SWC	22.5	37	RH
4	5340	8/17/2006	6:13	SICB	22.5	36	RH
5	5340	8/17/2006	6:30	SICB	22.5	36	RH
6	5340	8/17/2006	6:35	SICB	22.5	36	RH
7	5340	8/17/2006	6:39	SICB	22.5	36	RH
8	5340	8/17/2006	6:40	SICB	22.5	36	RH
9	5340	8/17/2006	6:50	SICB	22.5	36	RH
10	5340	8/17/2006	6:52	SICB	22.5	36	RH
11	5115	8/17/2006	7:05	SICB	22.5	36	RH
12	5115	8/17/2006	7:13	SICB	22.5	36	RH
13	5115	8/17/2006	7:17	SICB	22.5	36	RH
14	5115	8/17/2006	7:30	SICB	22.5	36	RH
15	5115	8/17/2006	7:45	SICB	22.5	36	RH
16	5115	8/17/2006	8:12	SICB	22.5	36	RH
17	5115	8/17/2006	7:46	SICB	22.5	36	RH
18	5115	8/17/2006	8:00	SICB	22.5	37	RH
19	5115	8/17/2006	8:05	SWC	19	12	RH
20	5222	8/17/2006	8:23	W CL FL	22.5	408	RH
21	5115	8/17/2006	9:46	SICB	22.5	37	RH
22	5344	8/21/2006	7:30	W CL FL	22.5	406	RH
23	5348	8/21/2006	7:35	W CL FL	22.5	406	RH
24	5225	8/21/2006	9:02	W CL FL	22.5	406	RH
25	5343	8/21/2006	9:10	W CL FL	22.5	406	RH
26	5220	8/21/2006	9:00	W CL FL	22.5	408	RH
27	5232	8/21/2006	9:20	W CL FL	22.5	410	RH
28	5341	8/21/2006	9:24	W CL FL	22.5	410	RH
29	5455	8/21/2006	10:00	W CL FL	22.5	408	RH
30	5233	8/21/2006	10:05	W CL FL	22.5	408	RH
31	5218	8/21/2006	10:20	W CL FL	22.5	408	RH

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Panel Placement Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Primary / Secondary: Primary Series: 2 Material Type: gml

Panel	*Batch-Roll*	*Date*	*Time*	*Placement/Location/Comments*	*Width (ft.)*	*Length (ft.)*	*QA ID*
32	5114	8/23/2006	7:00	W CL FL	22.5	407	RH
33	5223	8/23/2006	7:09	W CL FL	22.5	407	RH
34	5219	8/23/2006	7:20	W CL FL	22.5	407	RH
35	5234	8/23/2006	7:30	W CL FL	22.5	407	RH
36	5345	8/23/2006	7:40	W CL FL	22.5	407	RH
37	5227	8/23/2006	7:50	W CL FL	22.5	407	RH
38	4584	8/23/2006	8:00	W CL FL	22.5	406	RH
39	5347	8/23/2006	8:09	W CL FL	22.5	407	RH
40	5350	8/23/2006	8:17	W CL FL	22.5	407	RH
41	4596	8/23/2006	8:30	W CL FL	22.5	407	RH
42	4591	8/23/2006	11:00	W CL FL	22.5	408	RH
43	5217	8/28/2006	7:05	SE CL FL	22.5	407	RH
44	5349	8/28/2006	7:08	SE CL FL	22.5	406	RH
45	5342	8/28/2006	7:11	SE CL FL	22.5	407	RH
46	5337	8/28/2006	7:30	SE CL FL	22.5	407	RH
47	5224	8/28/2006	7:30	SE CL FL	22.5	407	RH
48	5230	8/28/2006	7:30	SE CL FL	22.5	407	RH
49	5456	8/28/2006	7:37	SE CL FL	22.5	407	RH
50	5229	8/28/2006	7:42	SE CL FL	22.5	407	RH
51	5453	8/28/2006	15:30	EPB	22.5	64	RH
52	5453	8/28/2006	15:33	EPB	22.5	64	RH
53	5453	8/28/2006	15:36	EPB	22.5	63	RH
54	5453	8/28/2006	15:39	EPB	22.5	63	RH
55	5453	8/28/2006	15:41	EPB	22.5	63	RH
56	5453	8/28/2006	15:44	EPB	22.5	48	RH
57	5216	8/28/2006	15:50	E CL FL	22.5	15	RH
58	5216	8/28/2006	15:53	EPB	22.5	63	RH
59	5216	8/28/2006	16:00	EPB	22.5	63	RH
60	5216	8/28/2006	16:02	EPB	22.5	63	RH
61	5216	8/28/2006	16:05	EPB	22.5	63	RH
62	5216	8/28/2006	16:10	EPB	22.5	63	RH

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Panel Placement Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Primary / Secondary: Primary Series: 2 Material Type: gml

Panel	*Batch-Roll*	*Date*	*Time*	*Placement/Location/Comments*	*Width (ft.)*	*Length (ft.)*	*QA ID*
63	0115	8/28/2006	16:13	EPB	22.5	63	RH
64	0115	8/28/2006	16:20	EPB	22.5	63	RH
65	0115	8/28/2006	16:30	EPB	22.5	63	RH
66	4582	8/28/2006	18:45	S ICB C FL	22.5	407	RH
67	5221	8/28/2006	18:52	S ICB C FL	22.5	407	RH
68	5462	8/28/2006	19:11	S ICB C FL	22.5	407	RH
69	0115	8/28/2006	19:27	EPB	22.5	63	RH
70	0115	8/28/2006	19:27	EPB	22.5	63	RH
71	0115	8/28/2006	19:28	EPB	22.5	63	RH
72	0115	8/28/2006	19:59	SEC	22.5	29	RH
73	5457	8/28/2006	18:00	SEC	22.5	25	RH
74	5457	8/28/2006	18:08	SEC	22.5	22	RH
75	5457	8/28/2006	18:30	SEC	6	14	RH
76	5108	9/3/2006	8:00	NW C FL	22.5	406	RH
77	5458	9/3/2006	8:05	NW CL FL	22.5	406	RH
78	5454	9/3/2006	8:10	NW CL FL	22.5	406	RH
79	5352	9/3/2006	8:22	NW CL FL	22.5	406	RH
80	0117	9/3/2006	8:38	NICB	22.5	52	RH
81	0117	9/3/2006	8:43	NICB	22.5	52	RH
82	0117	9/3/2006	8:50	NICB	22.5	52	RH
83	0117	9/3/2006	9:00	NICB	22.5	52	RH
84	0117	9/3/2006	9:03	NICB	22.5	52	RH
85	0117	9/3/2006	9:08	NICB	22.5	52	RH
86	0117	9/3/2006	9:11	NICB	22.5	52	RH
87	0117	9/3/2006	9:15	NICB	22.5	52	RH
88	0116	9/3/2006	9:30	NICB	22.5	52	RH
89	0116	9/3/2006	9:33	NICB	22.5	52	RH
90	0116	9/3/2006	9:36	NICB	22.5	52	RH
91	0116	9/3/2006	9:39	NICB	22.5	52	RH
92	0116	9/3/2006	9:43	NICB	22.5	53	RH
93	0116	9/3/2006	9:46	NICB	22.5	53	RH

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Panel Placement Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Primary / Secondary: Primary Series: 2 Material Type: gml

Panel	*Batch-Roll*	*Date*	*Time*	*Placement/Location/Comments*	*Width (ft.)*	*Length (ft.)*	*QA ID*
94	0116	9/3/2006	10:00	NICB	22.5	53	RH
95	0116	9/3/2006	10:00	NWC	22.5	47	RH
96	5228	9/3/2006	10:10	NWC	22.5	27	RH
97	5228	9/3/2006	10:13	NWC	15	12	RH
98	5228	9/3/2006	10:20	NWC	4	15	RH
99	5228	9/3/2006	10:28	NWC	22.5	26	RH
100	5228	9/3/2006	11:00	NWC	22.5	48	RH
101	5459	9/6/2006	11:22	NICB CL FL	22.5	275	RH
102	5459	9/6/2006	12:30	N C FL	22.5	130	RH
103	5228	9/6/2006	13:30	N CL FL	22.5	147	RH
104	5228	9/7/2006	9:00	N CL FL	22.5	114	RH
105	5460	9/7/2006	9:11	N CL FL	22.5	164	RH
106	5460	9/7/2006	9:16	N CL FL	22.5	246	RH
107	5338	9/7/2006	9:22	N CL FL	22.5	30	RH
108	5338	9/7/2006	9:30	NICB C FL	22.5	278	RH
109	5338	9/7/2006	9:35	NCIB C FL	22.5	101	RH
110	5346	9/7/2006	9:39	NICB C FL	22.5	175	RH
111	5346	9/7/2006	9:44	NICB CL FL	22.5	233	RH
112	0219	9/7/2006	9:53	N CL FL	22.5	42	RH
113	0219	9/7/2006	14:12	NICB CL FL	22.5	275	RH
114	0219	9/7/2006	14:22	NICB CL FL	22.5	80	RH
115	5461	9/7/2006	14:30	N CL FL	22.5	190	RH
116	5461	9/7/2006	14:44	N CL FL	22.5	215	RH
117	5457	9/7/2006	15:15	NC CL FL	22.5	57	RH
118	5339	9/7/2006	15:30	NICB CL FL	22.5	276	RH
119	5351	9/7/2006	15:39	EPB	22.5	66	RH
120	5351	9/7/2006	16:00	EPB	22.5	66	RH
121	5351	9/7/2006	16:05	EPB	22.5	66	RH
122	5351	9/7/2006	16:13	EPB	22.5	66	RH
123	5351	9/7/2006	16:22	EPB	22.5	66	RH
124	5231	9/7/2006	16:40	EPB	22.5	66	RH

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Panel Placement Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Primary / Secondary: Primary Series: 2 Material Type: gml

Panel	*Batch-Roll*	*Date*	*Time*	*Placement/Location/Comments*	*Width (ft.)*	*Length (ft.)*	*QA ID*
125	5231	9/7/2006	17:00	EPB	22.5	66	RH
126	5231	9/7/2006	17:15	EPB	22.5	66	RH
127	5457	9/9/2006	9:00	SUMP	22.5	90	RH
128	5457	9/9/2006	9:05	SUMP	22.5	95	RH
129	5457	9/9/2006	9:12	SUMP	22.5	110	RH
130	5231	9/9/2006	9:27	SUMP	22.5	32	RH
131	5231	9/9/2006	9:30	SUMP NEC	17	34	RH
132	5231	9/9/2006	9:33	SUMP	22.5	35	RH
133	5231	9/9/2006	9:41	SUMP SEC	12	35	RH
134	5231	9/9/2006	9:50	SUMP S	13	35	RH
135	5231	9/9/2006	10:00	SUMP AT SOUTH	15	13	RH
136	5231	9/9/2006	10:30	SUMP TOP NEC	15	14	RH

Number of Panels: 136 Approx. Area (sq. ft) 491253

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WSI Waste Services Of Florida, Inc.

Production Seam Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type gml : 1 Specifications: Seam Pressure: 25-30 lbs 5 min - 2lb Vacuum Box: 5-8 lbs 20 secs

Primary / Secondary: Primary Series: 2

Production Seam					Location			Nondestructive Test					
Date	*Time*	*Mach. ID*	*Oper. ID*	*Ext/ Fus:*	*SeamNo* Series-Seam1-Seam2-Begin-End	*Length* (ft.)	*QA ID*	*Location*	*Detail*	*Oper.*	*Result*	*Action*	*QA ID*
8/17/2006	8:04	75200020	HEP	F	2-0010-0011-0-36	36	RH	SICB	1136-1141 30-30	AM	P	ATOK	RH
8/17/2006	8:14	7521	BR	F	2-0006-0007-0-36	36	RH	SICB	1123-1128 30-30	AM	P	ATOK	RH
8/17/2006	8:15	7515	PGM	F	2-0007-0008-0-36	36	RH	SICB	1111-1116 30-30	AM	P	ATOK	RH
8/17/2006	8:21	75200020	HEP	F	2-0011-0012-0-36	36	RH	SICB	1144-1149 30-30	AM	P	ATOK	RH
8/17/2006	8:22	75200015	FL	F	2-0001-0004-0-36	36	RH	SWTS	1048-1053 30-30	AM	P	ATOK	RH
8/17/2006	8:30	7515	PGM	F	2-0008-0009-0-36	36	RH	SICB	1127-1132 30-30	AM	P	ATOK	RH
8/17/2006	8:31	7521	BR	F	2-0014-0015-0-36	36	RH	SICB	1153-1158 30-30	AM	P	ATOK	RH
8/17/2006	8:33	75200015	FL	F	2-0004-0005-0-36	36	RH	SWTS	1049-1054 30-30	AM	P	ATOK	RH
8/17/2006	8:40	75200020	HEP	F	2-0012-0013-0-36	36	RH	SICB	1145-1150 30-30	AM	P	ATOK	RH
8/17/2006	8:43	75200015	FL	F	2-0001-0002-0-34	34	RH	SICB	1041-1046 30-30	AM	P	ATOK	RH
8/17/2006	8:45	7521	BR	F	2-0015-0016-0-36	36	RH	SICB	1156-1201 30-30	AM	P	ATOK	RH
8/17/2006	8:50	7515	PGM	F	2-0009-0010-0-36	36	RH	SICB	1135-1140 30-30	AM	P	ATOK	RH
8/17/2006	8:59	75200015	FL	F	2-0019-0003-0-17	17	RH	SWC	1039-1044 30-30	AM	P	ATOK	RH
8/17/2006	9:00	75200020	HEP	F	2-0013-0014-0-36	36	RH	SICB	1151-1156 30-30	AM	P	ATOK	RH
8/17/2006	9:05	7515	PGM	F	2-0016-0017-0-36	36	RH	SICB	1259-1304 30-30	AM	P	ATOK	RH
8/17/2006	9:18	75200015	FL	F	2-0002-0003-13-37	24	RH	SWC	1039-1044 30-30	AM	P	ATOK	RH

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WSI Waste Services Of Florida, Inc.

Production Seam Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type gml : 1 Specifications: Seam Pressure: 25-30 lbs 5 min - 2lb Vacuum Box: 5-8 lbs 20 secs

Primary / Secondary: Primary Series: 2

Production Seam					Location			Nondestructive Test					
Date	*Time*	*Mach. ID*	*Oper. ID*	*Ext/ Fus:*	*SeamNo* Series-Seam1-Seam2-Begin-End	*Length* (ft.)	*QA ID*	*Location*	*Detail*	*Oper.*	*Result*	*Action*	*QA ID*
8/17/2006	9:20	7515	PGM	F	2-0017-0018-0-36	36	RH	SICB	1304-1309 30-30	AM	P	ATOK	RH
8/17/2006	9:23	75200015	FL	F	2-0002-0019-0-13	13	RH	SWC	1039-1044 30-30	AM	P	ATOK	RH
8/17/2006	9:36	7521	BR	F	2-0005-0006-0-36	36	RH	SICB	1059-1104 30-30	AM	P	ATOK	RH
8/17/2006	9:45	7515	PGM	F	2-0018-0021-0-37	37	RH	SICB	1308-1313 30-29	AM	P	ATOK	RH
8/17/2006	9:51	75200020	HEP	F	2-0003-0020-0-37	37	RH	SWTS	1041-1046 30-30	AM	P	ATOK	RH
8/17/2006	9:56	75200020	HEP	F	2-0001-0020-37-59	22	RH	SWTS	1048-1053 30-30	AM	P	ATOK	RH
8/17/2006	10:02	75200020	HEP	F	2-0005-0020-81-104	23	RH	SWTS	1059-1104 30-30	AM	P	ATOK	RH
8/17/2006	10:05	75200020	HEP	F	2-0006-0020-104-126	22	RH	SWTS	1059-1104 30-29	AM	P	ATOK	RH
8/17/2006	10:06	75200020	HEP	F	2-0004-0020-59-81	22	RH	SWTS	1048-1053 30-30	AM	P	ATOK	RH
8/17/2006	10:08	75200020	HEP	F	2-0007-0020-126-149	23	RH	SWTS	1111-1116 30-30	AM	P	ATOK	RH
8/17/2006	10:11	75200020	HEP	F	2-0008-0020-149-171	22	RH	SWTS	1125-1130 30-30	AM	P	ATOK	RH
8/17/2006	10:15	75200020	HEP	F	2-0009-0020-171-194	23	RH	SWTS	1135-1140 30-30	AM	P	ATOK	RH
8/17/2006	10:18	75200020	HEP	F	2-0010-0020-194-216	22	RH	SWTS	1135-1140 30-30	AM	P	ATOK	RH
8/17/2006	10:20	75200020	HEP	F	2-0011-0020-216-239	23	RH	SWTS	1144-1149 30-30	AM	P	ATOK	RH
8/17/2006	10:24	75200020	HEP	F	2-0012-0020-239-261	22	RH	SWTS	1144-1149 30-30	AM	P	ATOK	RH
8/17/2006	10:26	75200020	HEP	F	2-0013-0020-261-284	22	RH	SWTS	1151-1156 30-30	AM	P	ATOK	RH

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Production Seam Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type gml : 1 Specifications: Seam Pressure: 25-30 lbs 5 min - 2lb Vacuum Box: 5-8 lbs 20 secs

Primary / Secondary: Primary Series: 2

Production Seam					Location			Nondestructive Test					
Date	*Time*	*Mach. ID*	*Oper. ID*	*Ext/ Fus:*	*SeamNo* Series-Seam1-Seam2-Begin-End	*Length* (ft.)	*QA ID*	*Location*	*Detail*	*Oper.*	*Result*	*Action*	*QA ID*
8/17/2006	10:30	75200020	HEP	F	2-0014-0020-284-306	22	RH	SWTS	1151-1156 30-30	AM	P	ATOK	RH
8/17/2006	10:35	75200020	HEP	F	2-0015-0020-306-329	23	RH	SWTS	1201-1206 30-30	AM	P	ATOK	RH
8/17/2006	10:38	75200020	HEP	F	2-0016-0020-329-352	23	RH	SWTS	1201-1206 30-30	AM	P	ATOK	RH
8/17/2006	10:41	75200020	HEP	F	2-0017-0020-352-374	22	RH	SWTS	1304-1309 30-30	AM	P	ATOK	RH
8/17/2006	10:45	75200020	HEP	F	2-0018-0020-374-397	23	RH	SWTS	1304-1309 30-30	AM	P	ATOK	RH
8/17/2006	10:48	75200020	HEP	F	2-0021-0020-397-408	11	RH	SWTS	1308-1313 30-30	AM	P	ATOK	RH
8/17/2006	11:00	75200003	BR	E	2-0019-ext-0-13	13	RH	SWTS	ext seam	DB	P	VTOK	RH
8/17/2006	11:13	75200003	BR	E	2-0003-ext-13-34	21	RH	SWTS	ext seam	DB	P	VTOK	RH
8/21/2006	8:09	75200015	BR	F	2-0022-0023-0-406	406	RH	W C FL	1009-1014 30-29	AM	P	ATOK	RH
8/21/2006	8:50	7521	AM	F	2-0020-0022-0-406	406	RH	W C FL	1006-1011 30-30	AM	P	ATOK	RH
8/21/2006	9:07	75200020	HEP	F	2-0023-0024-0-406	406	RH	W C FL	1010-1015 30-30	AM	P	ATOK	RH
8/21/2006	9:15	7515	PGM	F	2-0024-0025-0-408	408	RH	W C FL	1037-1042 30-30	AM	P	ATOK	RH
8/21/2006	10:10	75200015	BR	F	2-0026-0027-0-409	409	RH	W C FL	1128-1133 30-30	AM	P	ATOK	RH
8/21/2006	10:11	7521	AM	F	2-0025-0026-0-409	409	RH	W C FL	1128-1133 30-30	AM	P	ATOK	RH
8/21/2006	10:18	75200020	HEP	F	2-0027-0028-0-408	408	RH	W C FL	1130-1135	AM	P	ATOK	RH
8/21/2006	10:40	7515	PGM	F	2-0028-0029-0-383	408	RH	W C FL	1258-1303 30-30	AM	P	ATOK	RH

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WSI Waste Services Of Florida, Inc.

Production Seam Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type gml : 1 Specifications: Seam Pressure: 25-30 lbs 5 min - 2lb Vacuum Box: 5-8 lbs 20 secs

Primary / Secondary: Primary Series: 2

Production Seam					Location			Nondestructive Test					
Date	*Time*	*Mach. ID*	*Oper. ID*	*Ext/ Fus:*	*SeamNo* Series-Seam1-Seam2-Begin-End	*Length* (ft.)	*QA ID*	*Location*	*Detail*	*Oper.*	*Result*	*Action*	*QA ID*
8/21/2006	11:25	75200020	HEP	F	2-0030-0031-0-130	130	RH	W C FL	1151-1156 30-29	AM	P	ATOK	RH
8/21/2006	11:30	7515	PGM	F	2-0028-0029-383-407	24	RH	W C FL	1258-1303 30-29	AM	P	ATOK	RH
8/21/2006	11:30	75200015	BR	F	2-0029-0030-0-173	173	RH	W C FL	1348-1353 30-30	AM	P	ATOK	RH
8/21/2006	11:30	75200020	HEP	F	2-0030-0031-230-270	40	RH	W C FL	1318-1323 30-30	AM	P	ATOK	RH
8/21/2006	11:44	75200015	BR	F	2-0029-0030-350-407	57	RH	W C FL	1355-1400 30-30	AM	P	ATOK	RH
8/21/2006	11:44	75200020	HEP	F	2-0030-0031-307-355	48	RH	W C FL	1328-1333 30-30	AM	P	ATOK	RH
8/21/2006	11:52	75200020	HEP	F	2-0030-0031-367-407	40	RH	W C FL	1338-1343 30-30	AM	P	ATOK	RH
8/22/2006	7:30	7403	HEP	E	2-0020-ext-34-56	22	RH	SWTS	ext seam	DB	P	VTOK	RH
8/22/2006	7:30	7403	HEP	E	2-0022-ext-56-79	23	RH	SWTS	ext seam	DB	P	VTOK	RH
8/22/2006	7:50	7403	HEP	E	2-0023-ext-79-101	22	RH	SWTS	ext seam	DB	P	VTOK	RH
8/22/2006	8:03	7403	HEP	E	2-0024-ext-101-124	23	RH	SWTS	ext seam	DB	P	VTOK	RH
8/22/2006	8:30	7403	HEP	E	2-0025-ext-124-147	23	RH	SWTS	ext seam	DB	P	VTOK	RH
8/22/2006	8:35	7436	SL	E	2-0027-ext-170-192	22	RH	SWTS	ext seam	DB	P	VTOK	RH
8/22/2006	8:40	7403	HEP	E	2-0026-ext-147-170	23	RH	SWTS	ext seam	DB	P	VTOK	RH
8/22/2006	8:55	7436	SL	E	2-0028-ext-192-215	23	RH	SWTS	ext seam	DB	P	VTOK	RH
8/22/2006	9:10	7436	SL	E	2-0029-ext-215-237	22	RH	SWTS	ext seam	DB	P	VTOK	RH

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WSI Waste Services Of Florida, Inc.

Production Seam Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type gml : 1 Specifications: Seam Pressure: 25-30 lbs 5 min - 2lb Vacuum Box: 5-8 lbs 20 secs

Primary / Secondary: Primary Series: 2

Production Seam					Location			Nondestructive Test					
Date	*Time*	*Mach. ID*	*Oper. ID*	*Ext/ Fus:*	*SeamNo* Series-Seam1-Seam2-Begin-End	*Length* (ft.)	*QA ID*	*Location*	*Detail*	*Oper.*	*Result*	*Action*	*QA ID*
8/22/2006	9:30	7436	SL	E	2-0030-ext-237-260	23	RH	SWTS	ext seam	DB	P	VTOK	RH
8/22/2006	10:00	7436	SL	E	2-0031-ext-260-273	13	RH	SWTS	ext seam	DB	P	VTOK	RH
8/22/2006	15:35	7436	SL	E	2-0030-0031-270-307	37	RH	W C FL	capped	DB	P	VTOK	RH
8/22/2006	16:10	7403	HEP	E	2-0030-0031-130-230	100	RH	W C FL	capped	DB	P	VTOK	RH
8/23/2006	7:50	75200009	PGM	F	2-0032-0033-0-407	407	RH	W C FL	1030-1035 30-30	AM	P	ATOK	RH
8/23/2006	7:54	75200020	HEP	F	2-0031-0032-0-407	407	RH	W C FL	1029-1034 30-30	AM	P	ATOK	RH
8/23/2006	7:58	75200015	RR	F	2-0033-0034-0-407	407	RH	W C FL	1031-1036 30-30	AM	P	ATOK	RH
8/23/2006	8:15	7521	AM	F	2-0034-0035-0-407	407	RH	W C FL	1032-1037 30-30	AM	P	ATOK	RH
8/23/2006	9:00	75200020	HEP	F	2-0035-0036-0-407	407	RH	W C FL	1053-1058 30-30	AM	P	ATOK	RH
8/23/2006	9:19	75200015	RR	F	2-0036-0037-0-407	407	RH	W C FL	1104-1109 30-30	AM	P	ATOK	RH
8/23/2006	9:20	74300009	PGM	F	2-0037-0038-0-407	407	RH	W C FL	1105-1110 30-30	AM	P	ATOK	RH
8/23/2006	9:38	7521	AM	F	2-0038-0039-0-407	407	RH	W C FL	1106-1111 30-30	AM	P	ATOK	RH
8/23/2006	10:03	75200020	HEP	F	2-0039-0040-0-407	407	RH	W C FL	1107-1112 30-30	AM	P	ATOK	RH
8/23/2006	10:35	7403	SL	E	2-0031-ext-273-283	10	RH	NWTS	ext seam	DB	P	VTOK	RH
8/23/2006	10:38	75200015	RR	F	2-0040-0041-0-407	407	RH	W C FL	1235-1240 30-30	AM	P	ATOK	RH
8/23/2006	10:40	7403	SL	E	2-0032-ext-283-306	23	RH	NWTS	ext seam	DB	P	VTOK	RH

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WSI Waste Services Of Florida, Inc.

Production Seam Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type gml : 1 Specifications: Seam Pressure: 25-30 lbs 5 min - 2lb Vacuum Box: 5-8 lbs 20 secs

Primary / Secondary: Primary Series: 2

Production Seam					Location			Nondestructive Test					
Date	*Time*	*Mach. ID*	*Oper. ID*	*Ext/ Fus:*	*SeamNo* Series-Seam1-Seam2-Begin-End	*Length* (ft.)	*QA ID*	*Location*	*Detail*	*Oper.*	*Result*	*Action*	*QA ID*
8/23/2006	10:40	74300009	PGM	F	2-0041-0042-0-407	407	RH	W C FL	1236-1241 30-30	AM	P	ATOK	RH
8/23/2006	11:10	7403	SL	E	2-0033-ext-306-328	22	RH	NWTS	ext seam	DB	P	VTOK	RH
8/23/2006	11:40	75200015	BR	F	2-0029-0030-173-350	177	RH	W C FL	1340-1345 30-30	AM	P	ATOK	RH
8/23/2006	12:50	7403	SL	E	2-0034-ext-328-351	23	RH	NWTS	ext seam	DB	P	VTOK	RH
8/23/2006	13:10	7403	SL	E	2-0035-ext-351-374	23	RH	NWTS	ext seam	DB	P	VTOK	RH
8/23/2006	13:30	7403	SL	E	2-0036-ext-374-396	22	RH	NWTS	ext seam	DB	P	VTOK	RH
8/23/2006	13:45	7403	SL	E	2-0037-ext-396-419	23	RH	NWTS	ext seam	DB	P	VTOK	RH
8/23/2006	14:00	7403	SL	E	2-0038-ext-419-441	22	RH	NWTS	ext seam	DB	P	VTOK	RH
8/23/2006	14:20	7403	SL	E	2-0039-ext-441-464	23	RH	NWTS	ext seam	DB	P	VTOK	RH
8/23/2006	14:35	7403	SL	E	2-0040-ext-464-487	23	RH	NWTS	ext seam	DB	P	VTOK	RH
8/23/2006	14:37	7403	SL	E	2-0041-ext-487-509	22	RH	NWTS	ext seam	DB	P	VTOK	RH
8/23/2006	15:00	7403	SL	E	2-0042-ext-509-532	23	RH	NWTS	ext seam	DB	P	VTOK	RH
8/28/2006	7:00	75200020	HEP	F	2-0021-0043-0-35	35	RH	ETS	1335-1340 30-30	AM	P	ATOK	RH
8/28/2006	7:03	75200020	HEP	F	2-0020-0043-35-57	22	RH	ETS	1335-1340 30-30	AM	P	ATOK	~‖
8/28/2006	7:05	75200020	HEP	F	2-0022-0043-57-80	23	RH	ETS	1335-1340 30-30	AM	P	ATOK	RH
8/28/2006	7:08	75200020	HEP	F	2-0023-0043-80-103	23	RH	ETS	1335-1340 30-30	AM	P	ATOK	--=--'''

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WSI Waste Services Of Florida, Inc.

Production Seam Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type gml : 1 Specifications: Seam Pressure: 25-30 lbs 5 min - 2lb Vacuum Box: 5-8 lbs 20 secs

Primary / Secondary: Primary Series: 2

Production Seam					Location			Nondestructive Test					
Date	*Time*	*Mach. ID*	*Oper. ID*	*Ext/ Fus:*	*SeamNo* Series-Seam1-Seam2-Begin-End	*Length* (ft.)	*QA ID*	*Location*	*Detail*	*Oper.*	*Result*	*Action*	*QA ID*
8/28/2006	7:11	75200020	HEP	F	2-0024-0043-103-126	23	RH	ETS	1335-1340 30-30	AM	P	ATOK	RH
8/28/2006	7:14	75200020	HEP	F	2-0025-0043-126-150	24	RH	ETS	1135-1140 30-30	AM	P	ATOK	RH
8/28/2006	7:17	75200020	HEP	F	2-0026-0043-150-172	22	RH	ETS	1135-1140 30-30	AM	P	ATOK	RH
8/28/2006	7:20	75200020	HEP	F	2-0027-0043-172-195	23	RH	ETS	1135-1140 30-30	AM	P	ATOK	RH
8/28/2006	7:23	75200020	HEP	F	2-0028-0043-195-217	22	RH	ETS	1135-1140 30-30	AM	P	ATOK	RH
8/28/2006	8:27	7521	AM	F	2-0043-0044-0-404	404	RH	S ICB	1037-1042 30-30	AM	P	ATOK	RH
8/28/2006	8:35	75200009	PGM	F	2-0044-0045-0-408	407	RH	S ICB	1038-1042 30-30	AM	P	ATOK	RH
8/28/2006	8:35	75200020	HEP	F	2-0045-0046-0-407	407	RH	S ICB	1039-1044 30-30	AM	P	ATOK	RH
8/28/2006	8:54	7547	JM	F	2-0046-0047-0-144	144	RH	S ICB	1049-1054 30-30	AM	P	ATOK	RH
8/28/2006	9:09	75200015	RR	F	2-0047-0048-0-407	407	RH	S ICB	1042-1047 30-30	AM	P	ATOK	RH
8/28/2006	9:20	7547	JM	F	2-0046-0047-144-407	263	RH	S ICB	1034-1039 30-30	AM	P	ATOK	RH
8/28/2006	9:30	7521	AM	F	2-0048-0049-0-407	407	RH	S ICB	1129-1134 30-30	AM	P	ATOK	RH
8/28/2006	10:05	75200009	PGM	F	2-0049-0050-0-407	407	RH	S ICB	1118-1123 30-30	AM	P	ATOK	RH
8/28/2006	11:18	75200020	HEP	F	2-0036-0043-377-399	22	RH	ETS	1324-1329 30-29	AM	P	ATOK	RH
8/28/2006	11:18	75200020	HEP	F	2-0037-0043-399-407	8	RH	ETS	1324-1329 30-29	AM	P	ATOK	RH
8/28/2006	11:22	75200020	HEP	F	2-0035-0043-354-377	23	RH	ETS	1130-1135 30-30	AM	P	ATOK	RH

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WSI Waste Services Of Florida, Inc.

Production Seam Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type gml : 1 Specifications: Seam Pressure: 25-30 lbs 5 min - 2lb Vacuum Box: 5-8 lbs 20 secs

Primary / Secondary: Primary Series: 2

Production Seam					Location			Nondestructive Test					
Date	*Time*	*Mach. ID*	*Oper. ID*	*Ext/ Fus:*	*SeamNo* Series-Seam1-Seam2-Begin-End	*Length* (ft.)	*QA ID*	*Location*	*Detail*	*Oper.*	*Result*	*Action*	*QA ID*
8/28/2006	11:27	75200020	HEP	F	2-0034-0043-331-354	23	RH	ETS	1130-1135 30-30	AM	P	ATOK	RH
8/28/2006	11:31	75200020	HEP	F	2-0033-0043-308-331	23	RH	ETS	1130-1135 30-30	AM	P	ATOK	RH
8/28/2006	11:34	75200020	HEP	F	2-0032-0043-285-308	23	RH	ETS	1130-1135 30-30	AM	P	ATOK	RH
8/28/2006	11:37	75200020	HEP	F	2-0031-0043-266-285	19	RH	ETS	1330-1335 30-30	AM	P	ATOK	RH
8/28/2006	11:38	75200020	HEP	F	2-0031-0043-262-266	4	RH	ETS	patched	DB	P	VTOK	RH
8/28/2006	11:40	75200020	HEP	F	2-0030-0043-240-262	22	RH	ETS	1130-11 30-29	AM	P	ATOK	RH
8/28/2006	11:43	75200020	HEP	F	2-0029-0043-217-240	23	RH	ETS	1135-1140 30-30	AM	P	ATOK	RH
8/28/2006	16:30	7521	AM	F	2-0051-0052-63-0	63	RH	EPB	0745-0750 30-30	AM	P	ATOK	RH
8/28/2006	16:48	75200020	HEP	F	2-0054-0055-63-0	63	RH	EPB	905-910 30-30	AM	P	ATOK	RH
8/28/2006	16:50	7521	AM	F	2-0052-0053-63-0	63	RH	EPB	914-919 30-30	AM	P	ATOK	RH
8/28/2006	17:07	75200020	HEP	F	2-0056-0057-0-23	23	RH	EPB	905-910 30-30	AM	P	ATOK	RH
8/28/2006	17:11	75200015	RR	F	2-0058-0059-63-0	63	RH	EPB	855-900 30-30	AM	P	ATOK	RH
8/28/2006	17:13	75200020	HEP	F	2-0055-0056-48-0	48	RH	EPB	910-915 30-30	AM	P	ATOK	RH
8/28/2006	17:18	75200020	HEP	F	2-0055-0057-48-63	15	RH	EPB C FL	905-910 30-30	AM	P	ATOK	RH
8/28/2006	17:30	7521	AM	F	2-0053-0054-63-0	63	RH	EPB	906-911 30-30	AM	P	ATOK	RH
8/28/2006	17:42	75200020	HEP	F	2-0057-0058-63-48	15	RH	EPB C FL	900-905 30-30	AM	P	ATOK	RH

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WSI Waste Services QA Partner, Inc.

Production Seam Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type gml : 1 Specifications: Seam Pressure: 25-30 lbs 5 min - 2lb Vacuum Box: 5-8 lbs 20 secs

Primary / Secondary: Primary Series: 2

Production Seam					Location			Nondestructive Test					
Date	*Time*	*Mach. ID*	*Oper. ID*	*Ext/ Fus:*	*SeamNo* Series-Seam1-Seam2-Begin-End	*Length* (ft.)	*QA ID*	*Location*	*Detail*	*Oper.*	*Result*	*Action*	*QA ID*
8/28/2006	17:48	75200020	HEP	F	2-0056-0058-48-0	48	RH	EPB	910-915 30-30	AM	P	ATOK	RH
8/28/2006	17:48	7521	AM	F	2-0061-0062-63-0	63	RH	EPB	853-858 30-30	AM	P	ATOK	RH
8/28/2006	17:54	75200015	RR	F	2-0059-0060-63-0	63	RH	EPB	854-859 30-30	AM	P	ATOK	RH
8/28/2006	18:12	75200015	RR	F	2-0060-0061-63-0	63	RH	EPB	855-900 30-30	AM	P	ATOK	RH
8/28/2006	18:28	75200020	HEP	F	2-0063-0064-63-0	63	RH	EPB	846-851 30-30	AM	P	ATOK	RH
8/28/2006	18:30	7521	AM	F	2-0062-0063-63-0	63	RH	EPB	849-854 30-30	AM	P	ATOK	RH
8/28/2006	18:50	75200020	HEP	F	2-0064-0065-63-0	63	RH	EPB	840-845 30-30	AM	P	ATOK	RH
8/28/2006	18:55	75200009	RD	F	2-0050-0066-407-0	407	RH	S ICB C FL	915-920 30-30	AM	P	ATOK	RH
8/28/2006	19:09	7521	AM	F	2-0066-0067-407-0	407	RH	S ICB C FL	750-755 30-30	AM	P	ATOK	RH
8/28/2006	19:12	75200020	HEP	F	2-0067-0068-407-0	407	RH	S ICB C FL	755-800 30-30	AM	P	ATOK	RH
8/28/2006	19:34	75200009	RA	F	2-0070-0071-63-0	63	RH	EPB	800-805 30-30	AM	P	ATOK	RH
8/28/2006	19:35	75200015	RR	F	2-0065-0069-63-0	63	RH	EPB	833-842 30-30	AM	P	ATOK	RH
8/28/2006	19:43	75200015	RR	F	2-0069-0070-63-0	63	RH	EPB	810-815 30-30	AM	P	ATOK	RH
8/28/2006	20:00	7541	RA	F	2-0051-0068-401-383	18	RH	ETS	915-920 30-30	AM	P	ATOK	RH
8/28/2006	20:03	7541	RA	F	2-0052-0068-383-360	23	RH	ETS	914-919 30-30	AM	P	ATOK	RH
8/28/2006	20:06	7541	RA	F	2-0053-0068-360-338	22	RH	ETS	906-911 30-30	AM	P	ATOK	RH

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WSI Waste Services Of Florida, Inc.

Production Seam Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type gml : 1 Specifications: Seam Pressure: 25-30 lbs 5 min - 2lb Vacuum Box: 5-8 lbs 20 secs

Primary / Secondary: Primary Series: 2

Production Seam					Location			Nondestructive Test					
Date	*Time*	*Mach. ID*	*Oper. ID*	*Ext/ Fus:*	*SeamNo* Series-Seam1-Seam2-Begin-End	*Length* (ft.)	*QA ID*	*Location*	*Detail*	*Oper.*	*Result*	*Action*	*QA ID*
8/28/2006	20:08	75200020	HEP	F	2-0064-0068-134-112	23	RH	ETS	CAPPED	DB	P	VTOK	RH
8/28/2006	20:10	7541	RA	F	2-0054-0068-338-315	23	RH	ETS	905-910 30-30	AM	P	ATOK	RH
8/28/2006	20:11	75200020	HEP	F	2-0065-0068-112-89	23	RH	ETS	CAPPED	DB	P	VTOK	RH
8/28/2006	20:14	75200020	HEP	F	2-0069-0068-89-67	22	RH	ETS	0918-0923 30-30	AM	P	ATOK	RH
8/28/2006	20:15	7541	RA	F	2-0055-0068-315-292	23	RH	ETS	930-935 30-30	AM	P	ATOK	RH
8/28/2006	20:16	75200015	RR	F	2-0071-0074-28-0	28	RH	SEC	835-840 30-30	AM	P	ATOK	RH
8/28/2006	20:17	75200020	HEP	F	2-0070-0068-67-44	23	RH	ETS	845-850 30-30	DB	P	ATOK	RH
8/28/2006	20:20	7541	RA	F	2-0057-0068-292-270	22	RH	ETS	900-905 30-30	AM	P	ATOK	RH
8/28/2006	20:23	7541	RA	F	2-0058-0068-270-247	23	RH	ETS	900-905 30-30	AM	P	ATOK	RH
8/28/2006	20:24	75200020	HEP	F	2-0071-0068-44-34	10	RH	ETS	805-810 30-30	AM	P	ATOK	RH
8/28/2006	20:24	75200015	RR	F	2-0071-0072-63-38	25	RH	SEC	815-820 30-30	AM	P	ATOK	RH
8/28/2006	20:26	7541	RA	F	2-0059-0068-247-225	22	RH	ETS	854-859 30-30	AM	P	ATOK	RH
8/28/2006	20:28	75200015	RR	F	2-0071-0073-38-25	13	RH	SEC	819-824 30-30	AM	P	ATOK	RH
8/28/2006	20:30	75200015	RR	F	2-0072-0073-25-0	25	RH	SEC	819-824 30-30	AM	P	ATOK	RH
8/28/2006	20:36	7541	RA	F	2-0060-0068-225-202	23	RH	ETS	854-859 30-30	AM	P	ATOK	RH
8/28/2006	20:36	7541	RA	F	2-0061-0068-202-179	23	RH	ETS	853-858 30-30	AM	P	ATOK	RH

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WSI Waste Services Of Florida, Inc.

Production Seam Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type gml : 1 Specifications: Seam Pressure: 25-30 lbs 5 min - 2lb Vacuum Box: 5-8 lbs 20 secs

Primary / Secondary: Primary Series: 2

Production Seam					Location			Nondestructive Test					
Date	*Time*	*Mach. ID*	*Oper. ID*	*Ext/ Fus:*	*SeamNo* Series-Seam1-Seam2-Begin-End	*Length* (ft.)	*QA ID*	*Location*	*Detail*	*Oper.*	*Result*	*Action*	*QA ID*
8/28/2006	20:39	7541	RA	F	2-0062-0068-179-157	22	RH	ETS	849-854 30-30	AM	P	ATOK	RH
8/28/2006	20:39	75200015	RR	F	2-0074-0073-25-0	25	RH	SEC	820-825 30-30	AM	P	ATOK	RH
8/28/2006	20:42	7541	RA	F	2-0063-0068-157-134	23	RH	ETS	846-851 30-30	AM	P	ATOK	RH
8/28/2006	20:49	75200015	RR	F	2-0074-0075-0-14	14	RH	SEC AT	0900-0905 30-30	AM	P	ATOK	RH
8/28/2006	21:00	75200020	HEP	F	2-0068-0072-34-0	34	RH	SEC	815-820 30-30	DB	P	ATOK	RH
9/3/2006	8:43	75200020	HEP	F	2-0042-0076-0-375	375	RH	NWC	955-1000 30-29	AM	P	ATOK	RH
9/3/2006	8:43	75200020	HEP	F	2-0042-0076-375-406	31	RH	NWC	956-1001 30-30	AM	P	ATOK	RH
9/3/2006	8:50	75200009	PGM	F	2-0076-0077-0-406	407	RH	NWC	0956-1001 30-30	AM	P	ATOK	RH
9/3/2006	9:05	7521	AM	F	2-0077-0078-0-406	406	RH	NWC	1019-1024 30-30	AM	P	ATOK	RH
9/3/2006	9:15	75200015	RR	F	2-0078-0079-0-406	406	RH	NWC	1020-1025 30-29	AM	P	ATOK	RH
9/3/2006	10:22	7521	AM	F	2-0080-0081-0-52	52	RH	NICB	1107-1112 30-30	AM	P	ATOK	RH
9/3/2006	10:37	75200020	HEP	F	2-0083-0084-0-52	52	RH	NICB	1109-1114 30-28	AM	P	ATOK	RH
9/3/2006	10:45	7521	AM	F	2-0081-0082-0-52	52	RH	NICB	1108-1113 30-30	AM	P	ATOK	RH
9/3/2006	10:45	75200009	PGM	F	2-0087-0086-0-52	52	RH	NICB	0940-0945 30-30	AM	P	ATOK	RH
9/3/2006	10:53	75200020	HEP	F	2-0085-0084-0-52	52	RH	NICB	1110-1115 30-30	AM	P	ATOK	RH
9/3/2006	11:00	75200009	PGM	F	2-0087-0088-0-52	52	RH	NICB	0939-0944 30-30	AM	P	ATOK	RH

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WSI Waste Services Of Florida, Inc.

Production Seam Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type gml : 1 Specifications: Seam Pressure: 25-30 lbs 5 min - 2lb Vacuum Box: 5-8 lbs 20 secs

Primary / Secondary: Primary Series: 2

Production Seam					Location			Nondestructive Test					
Date	*Time*	*Mach. ID*	*Oper. ID*	*Ext/ Fus:*	*SeamNo* Series-Seam1-Seam2-Begin-End	*Length* (ft.)	*QA ID*	*Location*	*Detail*	*Oper.*	*Result*	*Action*	*QA ID*
9/3/2006	11:00	75200020	HEP	F	2-0098-0097-0-15	15	RH	NWC	0915-0920 30-30	AM	P	ATOK	RH
9/3/2006	11:08	7521	AM	F	2-0082-0083-0-52	52	RH	NICB	1122-1127 30-30	AM	P	ATOK	RH
9/3/2006	11:08	75200015	RR	F	2-0089-0090-0-52	52	RH	NICB	0937-0942 30-30	AM	P	ATOK	RH
9/3/2006	11:09	75200020	HEP	F	2-0098-0099-0-15	15	RH	NWC	0915-0920 30-30	AM	P	ATOK	RH
9/3/2006	11:12	75200020	HEP	F	2-0097-0099-15-24	9	RH	NWC	0915-0920 30-30	AM	P	ATOK	RH
9/3/2006	11:14	75200020	HEP	F	2-0086-0085-0-52	52	RH	NICB	941-946 30-30	AM	P	ATOK	RH
9/3/2006	11:15	75200009	PGM	F	2-0088-0089-0-52	52	RH	NICB	0938-0943 30-30	AM	P	ATOK	RH
9/3/2006	11:18	75200020	HEP	F	2-0096-0099-24-44	20	RH	NWC	0914-0919 30-30	AM	P	ATOK	RH
9/3/2006	11:21	75200020	HEP	F	2-0096-0100-40-59	19	RH	NWC	0913-0918 30-30	AM	P	ATOK	RH
9/3/2006	11:24	75200020	HEP	F	2-0095-0100-59-76	17	RH	NWC	0915-0920 30-30	AM	P	ATOK	RH
9/3/2006	11:27	75200015	RR	F	2-0090-0091-0-7	52	RH	NWTS	1155-1200 30-30	DB	P	VTOK	RH
9/3/2006	11:27	7521	AM	F	2-0092-0093-0-52	52	RH	NWC	0930-0935 30-30	AM	P	ATOK	RH
9/3/2006	11:28	75200015	RR	F	2-0090-0091-7-35	28	RH	NICB	1205-1210 30-30	AM	P	ATOK	RH
9/3/2006	11:30	75200015	RR	F	2-0090-0091-35-42	7	RH	NICB	capped	DB	P	VTOK	RH
9/3/2006	11:30	75200009	PGM	F	2-0094-0095-0-53	53	RH	NWC	0928-0933 30-30	AM	P	ATOK	RH
9/3/2006	11:31	75200015	RR	F	2-0090-0091-42-54	12	RH	NICB	1157-1202 30-30	AM	P	ATOK	RH

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WSI Waste Services Of Florida, Inc.

Production Seam Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type gml : 1 Specifications: Seam Pressure: 25-30 lbs 5 min - 2lb Vacuum Box: 5-8 lbs 20 secs

Primary / Secondary: Primary Series: 2

Production Seam					Location			Nondestructive Test					
Date	*Time*	*Mach. ID*	*Oper. ID*	*Ext/ Fus:*	*SeamNo* Series-Seam1-Seam2-Begin-End	*Length* (ft.)	*QA ID*	*Location*	*Detail*	*Oper.*	*Result*	*Action*	*QA ID*
9/3/2006	11:45	7521	AM	F	2-0093-0094-0-53	53	RH	NWC	0927-0932 30-30	AM	P	ATOK	RH
9/3/2006	11:45	75200009	PGM	F	2-0096-0095-0-40	40	RH	NWC	0912-0917 30-30	AM	P	ATOK	RH
9/3/2006	11:55	75200009	PGM	F	2-0096-0097-0-15	15	RH	NWC	0914-0919 30-30	AM	P	ATOK	RH
9/3/2006	11:56	75200020	HEP	F	2-0099-0100-0-37	37	RH	NWTS	0913-0918 30-30	AM	P	ATOK	RH
9/3/2006	12:09	7521	AM	F	2-0076-0100-0-76	76	RH	NWTS	1001-1006 30-30	AM	P	ATOK	RH
9/3/2006	12:09	7521	AM	F	2-0079-0100-0-58	58	RH	NWTS	0925-0930 30-30	AM	P	ATOK	RH
9/3/2006	12:15	75200015	RR	F	2-0088-0079-223-245	22	RH	NWTS	0950-0955 30-30	AM	P	ATOK	RH
9/3/2006	12:18	75200015	RR	F	2-0087-0079-245-268	23	RH	NWTS	0950-0955 30-30	AM	P	ATOK	RH
9/3/2006	12:21	75200015	RR	F	2-0086-0079-268-290	22	RH	NWTS	1000-1005 30-30	AM	P	ATOK	RH
9/3/2006	12:24	7521	AM	F	2-0079-0095-76-88	12	RH	NWTS	0928-933 30-30	AM	P	ATOK	RH
9/3/2006	12:24	75200015	RR	F	2-0085-0079-290-312	22	RH	NWTS	1000-1005 30-30	AM	P	ATOK	RH
9/3/2006	12:25	7521	AM	F	2-0094-0079-88-110	22	RH	NWTS	0958-1003 30-30	AM	P	ATOK	RH
9/3/2006	12:26	75200015	RR	F	2-0084-0079-312-335	23	RH	NWTS	0959-1004 30-30	AM	P	ATOK	RH
9/3/2006	12:28	7521	AM	F	2-0093-0079-110-132	22	RH	NWTS	0958-1003 30-30	AM	P	ATOK	RH
9/3/2006	12:29	75200015	RR	F	2-0083-0079-335-357	22	RH	NWTS	0959-1004 30-30	AM	P	ATOK	RH
9/3/2006	12:32	75200015	RR	F	2-0082-0079-357-380	23	RH	NWTS	0958-1003 30-30	AM	P	ATOK	RH

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WSI Waste Services Of Florida, Inc

Production Seam Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type gml : 1 Specifications: Seam Pressure: 25-30 lbs 5 min - 2lb Vacuum Box: 5-8 lbs 20 secs

Primary / Secondary: Primary Series: 2

Production Seam					Location			Nondestructive Test					
Date	*Time*	*Mach. ID*	*Oper. ID*	*Ext/ Fus:*	*SeamNo* Series-Seam1-Seam2-Begin-End	*Length* (ft.)	*QA ID*	*Location*	*Detail*	*Oper.*	*Result*	*Action*	*QA ID*
9/3/2006	12:35	75200015	RR	F	2-0081-0079-380-402	22	RH	NWTS	0958-1003 30-30	AM	P	ATOK	RH
9/3/2006	12:38	75200015	RR	F	2-0080-0079-402-424	22	RH	NWTS	1005-1010 30-30	AM	P	ATOK	RH
9/3/2006	12:38	7521	AM	F	2-0092-0079-132-155	23	RH	NWTS	0957-1002 30-30	AM	P	ATOK	RH
9/3/2006	12:41	7521	AM	F	2-0091-0079-155-178	23	RH	NWTS	0957-1002 30-30	AM	P	ATOK	RH
9/3/2006	12:45	7521	AM	F	2-0090-0079-178-201	23	RH	NWTS	0956-1001 30-30	AM	P	ATOK	RH
9/3/2006	12:47	7521	AM	F	2-0089-0079-201-223	22	RH	NWTS	0956-1001 30-30	AM	P	ATOK	RH
9/4/2006	9:00	74300003	HEP	F	2-0076-ext-532-555	23	RH	NWTS	ext seam	DB	P	VTOK	RH
9/4/2006	9:25	74300003	HEP	e	2-0077-ext-555-7578	23	RH	NWTS	ext seam	DB	P	VTOK	RH
9/4/2006	9:40	7427	PGM	E	2-0094-ext-68-91	23	RH	NWTS	ext seam	DB	P	VTOK	RH
9/4/2006	9:45	74300003	HEP	E	2-0078-ext-578-601	23	RH	NWTS	ext seam	DB	P	VTOK	RH
9/4/2006	10:00	7427	PGM	E	2-0093-ext-91-113	22	RH	NWTS	ext seam	DB	P	VTOK	RH
9/4/2006	10:10	7403	SL	E	2-0080-ext-386-402	16	RH	NETS	ext seam	DB	P	VTOK	RH
9/4/2006	10:14	74300003	HEP	E	2-0079-ext-601-625	24	RH	NWTS	ext seam	DB	P	VTOK	RH
9/4/2006	10:25	7403	SL	E	2-0081-ext-363-386	23	RH	NETS	ext seam	DB	P	VTOK	RH
9/4/2006	10:25	7427	PGM	E	2-0092-ext-113-136	23	RH	NWTS	ext seam	DB	P	VTOK	RH
9/4/2006	10:35	7403	SL	E	2-0082-ext-340-363	23	RH	NETS	ext seam	DB	P	VTOK	RH

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WSI Waste Services Of Florida, Inc.

Production Seam Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type gml : 1 Specifications: Seam Pressure: 25-30 lbs 5 min - 2lb Vacuum Box: 5-8 lbs 20 secs

Primary / Secondary: Primary Series: 2

Production Seam					Location			Nondestructive Test					
Date	*Time*	*Mach. ID*	*Oper. ID*	*Ext/ Fus:*	*SeamNo* Series-Seam1-Seam2-Begin-End	*Length* (ft.)	*QA ID*	*Location*	*Detail*	*Oper.*	*Result*	*Action*	*QA ID*
9/4/2006	10:40	7403	SL	E	2-0083-ext-317-340	23	RH	NETS	ext seam	DB	P	VTOK	RH
9/4/2006	10:45	7427	PGM	E	2-0091-ext-136-158	22	RH	NWTS	ext seam	DB	P	VTOK	RH
9/4/2006	10:48	74300003	HEP	E	2-0100-ext-625-648	23	RH	NWTS	ext seam	DB	P	VTOK	RH
9/4/2006	11:00	7427	PGM	E	2-0090-ext-158-180	22	RH	NETS	ext seam	DB	P	VTOK	RH
9/4/2006	11:09	7403	SL	E	2-0084-ext-294-317	23	RH	NETS	ext seam	DB	P	VTOK	RH
9/4/2006	11:20	7427	PGM	E	2-0089-ext-0180-201	52	RH	NWTS	0927-0934 30-30	AM	P	ATOK	RH
9/4/2006	11:20	7427	PGM	E	2-0089-ext-180-202	22	RH	NETS	ext seam	DB	P	VTOK	RH
9/4/2006	11:35	7403	SL	E	2-0085-ext-271-294	23	RH	NETS	ext seam	DB	P	VTOK	RH
9/4/2006	11:40	7427	PGM	E	2-0088-ext-202-225	23	RH	NETS	ext seam	DB	P	VTOK	RH
9/4/2006	11:56	74300003	HEP	E	2-0098-ext-671-679	8	RH	NWTS	ext seam	DB	P	VTOK	RH
9/4/2006	11:58	74300003	HEP	E	2-0098-ext-0-8	8	RH	NWTS	ext seam	DB	P	VTOK	RH
9/4/2006	12:00	7427	PGM	E	2-0087-ext-225-248	23	RH	NETS	ext seam	DB	P	VTOK	RH
9/4/2006	12:02	74300003	HEP	E	2-0099-ext-648-671	23	RH	NWTS	ext seam	DB	P	VTOK	RH
9/4/2006	12:09	74300003	HEP	E	2-0097-ext-8-23	15	RH	NWTS	ext seam	DB	P	VTOK	RH
9/4/2006	12:15	7427	PGM	E	2-0086-ext-248-271	23	RH	NETS	ext seam	DB	P	VTOK	RH
9/4/2006	14:05	74300003	HEP	e	2-0095-ext-46-68	22	RH	NWTS	ext seam	DB	P	VTOK	RH

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WSI Waste Services Of Florida, Inc.

Production Seam Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type gml : 1 Specifications: Seam Pressure: 25-30 lbs 5 min - 2lb Vacuum Box: 5-8 lbs 20 secs

Primary / Secondary: Primary Series: 2

Production Seam					Location			Nondestructive Test					
Date	*Time*	*Mach. ID*	*Oper. ID*	*Ext/ Fus:*	*SeamNo* Series-Seam1-Seam2-Begin-End	*Length* (ft.)	*QA ID*	*Location*	*Detail*	*Oper.*	*Result*	*Action*	*QA ID*
9/6/2006	12:00	75200020	HEP	F	2-0101-0080-627-679	52	RH	NICB	1507-1512 30-30	AM	P	ATOK	RH
9/6/2006	12:17	75200020	HEP	F	2-0101-0079-604-627	23	RH	N CL FL	1457-1502 30-30	AM	P	ATOK	RH
9/6/2006	12:23	75200020	HEP	F	2-0101-0077-558-581	23	RH	N CL FL	1457-1502 30-30	AM	P	ATOK	RH
9/6/2006	12:24	75200020	HEP	F	2-0101-0078-581-0604	23	RH	N CL FL	1457-1502 30-30	AM	P	ATOK	RH
9/6/2006	12:26	75200020	HEP	F	2-0101-0076-536-558	22	RH	N CL FL	1457-1502 30-30	AM	P	ATOK	RH
9/6/2006	12:29	75200020	HEP	F	2-0101-0042-513-536	23	RH	N CL FL	1450-1455 30-30	AM	P	ATOK	RH
9/6/2006	12:33	75200020	HEP	F	2-0101-0041-490-513	23	RH	N CL FL	1450-1455 30-30	AM	P	ATOK	RH
9/6/2006	12:35	75200020	HEP	F	2-0101-0040-467-490	23	RH	N CL FL	1450-1455 30-30	AM	P	ATOK	RH
9/6/2006	12:38	75200020	HEP	F	2-0101-0039-444-467	23	RH	N CL FL	1440-1445 30-30	AM	P	ATOK	RH
9/6/2006	12:44	75200020	HEP	F	2-0101-0037-399-422	23	RH	N CL FL	1440-1445 30-30	AM	P	ATOK	RH
9/6/2006	12:44	75200020	HEP	F	2-0101-0038-422-444	22	RH	N CL FL	1440-1445 30-30	AM	P	ATOK	RH
9/6/2006	14:05	75200020	HEP	F	2-0102-0103-00-23	23	RH	N CL FL	1503-1508 30-30	AM	P	ATOK	RH
9/6/2006	14:08	75200020	HEP	F	2-0101-0102-549-679	130	RH	N CL FL	1503-1508 30-30	AM	P	ATOK	RH
9/6/2006	14:30	75200020	HEP	F	2-0101-0103-549-402	147	RH	N CL FL	1503-1508 30-30	AM	P	ATOK	RH
9/6/2006	15:11	75200020	HEP	F	2-0101-0043-407-430	23	RH	N CL FL	1720-1725 30-30	AM	P	ATOK	RH
9/6/2006	15:39	7403	SM	E	2-0101-ext-409-432	23	RH	NETS	ext seam	DB	P	VTOK	RH

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Production Seam Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type gml : 1 Specifications: Seam Pressure: 25-30 lbs 5 min - 2lb Vacuum Box: 5-8 lbs 20 secs

Primary / Secondary: Primary Series: 2

Production Seam					Location			Nondestructive Test					
Date	*Time*	*Mach. ID*	*Oper. ID*	*Ext/ Fus:*	*SeamNo* Series-Seam1-Seam2-Begin-End	*Length* (ft.)	*QA ID*	*Location*	*Detail*	*Oper.*	*Result*	*Action*	*QA ID*
9/6/2006	16:00	7403	SM	E	2-0102-ext-432-455	23	RH	NETS	ext seam	DB	P	VTOK	RH
9/7/2006	9:24	75200015	HEP	F	2-0104-0105-0-23	23	RH	N CL FL	1137-1142 30-30	AM	P	ATOK	RH
9/7/2006	9:25	75200009	PGM	F	2-0106-0104-681-569	112	RH	NICB CL FL	1140-1145 30-30	AM	P	ATOK	RH
9/7/2006	9:30	7521	AM	F	2-0102-0104-683-569	114	RH	N CL FL	1137-1142 30-30	AM	P	ATOK	RH
9/7/2006	9:36	75200015	HEP	F	2-0106-0108-683-435	248	RH	N CL FL	0823-0828 30-30	AM	P	ATOK	RH
9/7/2006	9:37	75200009	PGM	F	2-0106-0105-569-435	134	RH	N CL FL	1140-1145 30-30	AM	P	ATOK	RH
9/7/2006	9:42	7521	AM	F	2-0105-0102-569-549	20	RH	N CL FL	1130-1135 30-30	AM	P	ATOK	RH
9/7/2006	9:45	7521	AM	F	2-0103-0105-549-405	144	RH	N CL FL	1130-1135 30-30	AM	P	ATOK	RH
9/7/2006	10:05	7521	AM	F	2-0108-0109-683-582	101	RH	NICB C FL	0849-0854 30-30	AM	P	ATOK	RH
9/7/2006	10:10	75200015	HEP	F	2-0106-0108-0-23	23	RH	N CL FL	1148-1153 30-30	AM	P	ATOK	RH
9/7/2006	10:11	75200015	HEP	F	2-0107-0108-435-405	30	RH	N CL FL	1148-1153 30-30	AM	P	ATOK	RH
9/7/2006	10:20	75200009	PGM	F	2-0109-0111-683-582	101	RH	NICB	1157-1202 30-30	AM	P	ATOK	RH
9/7/2006	10:23	7521	AM	F	2-0108-0110-582-405	177	RH	N CL FL	1150-1155 30-30	AM	P	ATOK	RH
9/7/2006	10:24	75200009	PGM	F	2-0110-0111-582-450	132	RH	N CL FL	1159-1204 30-30	AM	P	ATOK	RH
9/7/2006	10:30	75200009	PGM	F	2-0105-0107-435-405	30	RH	N CL FL	1148-1153 30-30	AM	P	ATOK	RH
9/7/2006	10:40	75200015	HEP	F	2-0111-0112-0-23	23	RH	N CL FL	1157-1202 30-30	AM	P	ATOK	RH

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WSI Waste Services Of Florida, Inc.

Production Seam Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type gml : 1 Specifications: Seam Pressure: 25-30 lbs 5 min - 2lb Vacuum Box: 5-8 lbs 20 secs

Primary / Secondary: Primary Series: 2

Production Seam					Location			Nondestructive Test					
Date	*Time*	*Mach. ID*	*Oper. ID*	*Ext/ Fus:*	*SeamNo* Series-Seam1-Seam2-Begin-End	*Length* (ft.)	*QA ID*	*Location*	*Detail*	*Oper.*	*Result*	*Action*	*QA ID*
9/7/2006	10:43	75200009	PGM	F	2-0112-0110-450-405	45	RH	N CL FL	1156-1201 30-30	AM	P	ATOK	RH
9/7/2006	11:08	75200015	HEP	F	2-0105-0045-446-469	23	RH	N CL FL	1134-1139 30-30	AM	P	ATOK	RH
9/7/2006	11:13	75200015	HEP	F	2-0107-0046-469-492	23	RH	N CL FL	0825-0830 30-30	AM	P	ATOK	RH
9/7/2006	11:18	75200015	HEP	F	2-0108-0047-492-515	23	RH	N CL FL	0840-0845 30-30	AM	P	ATOK	RH
9/7/2006	11:21	75200015	HEP	F	2-0110-0048-515-538	23	RH	N CL FL	1158-1203 30-30	AM	P	ATOK	RH
9/7/2006	11:24	75200015	HEP	F	2-0112-0049-538-561	23	RH	N CL FL	0841-0846 30-30	AM	P	ATOK	RH
9/7/2006	14:30	75200015	HEP	F	2-0114-0115-0-23	23	RH	N CL FL	0907-0912 30-30	AM	P	ATOK	RH
9/7/2006	14:45	7521	AM	F	2-0113-0114-683-605	78	RH	N CL FL	0907-0912 30-30	AM	P	ATOK	RH
9/7/2006	14:50	75200009	PGM	F	2-0111-0113-683-435	251	RH	N CL FL	0905-0910 30-30	AM	P	ATOK	RH
9/7/2006	14:55	7521	AM	F	2-0113-0115-605-405	200	RH	N CL FL	0906-0911 30-29	AM	P	ATOK	RH
9/7/2006	15:24	75200015	HEP	F	2-0115-0116-605-462	243	RH	N CL FL	0921-0926 30-30	AM	P	ATOK	RH
9/7/2006	15:26	75200015	HEP	F	2-0116-0117-0-23	23	RH	N CL FL	0943-0948 30-30	AM	P	ATOK	RH
9/7/2006	15:47	75200009	PGM	F	2-0112-0113-435-405	30	RH	N CL FL	0843-0848 30-29	AM	P	ATOK	RH
9/7/2006	16:00	75200015	HEP	F	2-0117-0118-405-462	57	RH	N CL FL	0948-0953 30-29	AM	P	ATOK	RH
9/7/2006	16:25	75200015	HEP	F	2-0113-0050-538-561	23	RH	N CL FL	0841-0846 30-30	AM	P	ATOK	RH
9/7/2006	16:28	75200015	HEP	F	2-0115-0066-561-584	23	RH	N CL FL	0945-0950 30-30	AM	P	ATOK	RH

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WSI Waste Services Of Florida Inc

Production Seam Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type gml : 1 Specifications: Seam Pressure: 25-30 lbs 5 min - 2lb Vacuum Box: 5-8 lbs 20 secs

Primary / Secondary: Primary Series: 2

Production Seam					Location			Nondestructive Test					
Date	Time	Mach. ID	Oper. ID	Ext/ Fus:	SeamNo Series-Seam1-Seam2-Begin-End	Length (ft.)	QA ID	Location	Detail	Oper.	Result	Action	QA ID
9/7/2006	16:31	75200015	HEP	F	2-0117-0067-584-607	23	RH	N CL FL	capped	DB	P	VTOK	RH
9/7/2006	16:35	75200015	HEP	F	2-0118-0068-607-630	23	RH	N CL FL	1000-1005 30-30	AM	P	ATOK	RH
9/7/2006	16:45	75200015	HEP	F	2-0119-0051-66-0	66	RH	EPB	1100-1105 30-30	AM	P	ATOK	RH
9/7/2006	16:50	75200009	PGM	F	2-0119-0120-66-0	66	RH	EPB	1101-1106 30-30	AM	P	ATOK	RH
9/7/2006	17:00	7521	AM	F	2-0120-0121-66-0	66	RH	EPB	1102-1107 30-30	AM	P	ATOK	RH
9/7/2006	17:08	75200015	HEP	F	2-0119-0118-405-428	23	RH	NETS	1101-1106 30-30	AM	P	ATOK	RH
9/7/2006	17:15	75200015	HEP	F	2-0120-0118-428-451	23	RH	NETS	1101-1106 30-30	AM	P	ATOK	RH
9/7/2006	17:20	75200009	PGM	F	2-0115-0117-405-462	57	RH	N CL FL	0943-0948 30-30	AM	P	ATOK	RH
9/7/2006	17:40	7521	AM	F	2-0121-0122-66-0	66	RH	EPB	1108-1113 30-29	AM	P	ATOK	RH
9/7/2006	17:45	75200009	PGM	F	2-0122-0123-66-0	66	RH	EPB	1109-1114 30-30	AM	P	ATOK	RH
9/7/2006	18:05	75200015	HEP	F	2-0118-0123-509-496	13	RH	NETS	1109-1114 30-30	AM	P	ATOK	RH
9/7/2006	18:08	75200015	HEP	F	2-0118-0122-496-473	23	RH	NETS	1108-1113 30-28	AM	P	ATOK	RH
9/7/2006	18:30	75200009	PGM	F	2-0124-0125-66-60	6	RH	EPB	1116-1121 30-30	AM	P	ATOK	RH
9/7/2006	18:32	7521	AM	F	2-0123-0124-66-0	66	RH	EPB	1110-1115 30-30	AM	P	ATOK	RH
9/7/2006	18:32	75200009	PGM	F	2-0124-0125-60-0	60	RH	EPB	1110-1115 30-29	AM	P	ATOK	RH
9/7/2006	18:33	75200015	HEP	F	2-0125-0126-66-0	66	RH	EPB	1117-1122 30-29	AM	P	ATOK	RH

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WSI Waste Services Of Florida, Inc.

Production Seam Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type gml : 1 Specifications: Seam Pressure: 25-30 lbs 5 min - 2lb Vacuum Box: 5-8 lbs 20 secs

Primary / Secondary: Primary Series: 2

Production Seam					Location			Nondestructive Test					
Date	*Time*	*Mach. ID*	*Oper. ID*	*Ext/ Fus:*	*SeamNo* Series-Seam1-Seam2-Begin-End	*Length* (ft.)	*QA ID*	*Location*	*Detail*	*Oper.*	*Result*	*Action*	*QA ID*
9/7/2006	18:50	75200015	HEP	F	2-0118-0126-589-565	23	RH	NETS	1121-1126 30-30	AM	P	ATOK	RH
9/7/2006	18:53	75200015	HEP	F	2-0118-0125-565-542	23	RH	NETS	1116-1121 30-29	AM	P	ATOK	RH
9/7/2006	18:55	75200015	HEP	F	2-0118-0124-542-519	23	RH	NETS	1110-1115 30-29	AM	P	ATOK	RH
9/7/2006	19:02	75200015	HEP	F	2-0118-0123-519-509	10	RH	NETS	capped	DB	P	VTOK	RH
9/8/2006	8:50	74300003	HEP	F	2-0104-ext-455-478	23	RH	NETS	ext seam	DB	P	VTOK	RH
9/8/2006	9:05	7403	SM	E	2-0111-ext-546-569	23	RH	NETS	ext seam	DB	P	VTOK	RH
9/8/2006	9:28	74300003	HEP	E	2-0106-ext-478-500	22	RH	NETS	ext seam	DB	P	VTOK	RH
9/8/2006	9:40	7403	SM	E	2-0114-ext-592-615	23	RH	NETS	ext seam	DB	P	VTOK	RH
9/8/2006	10:06	7403	SM	E	2-0116-ext-615-638	23	RH	NETS	ext seam	DB	P	VTOK	RH
9/8/2006	10:25	74300003	HEP	E	2-0109-ext-523-546	23	RH	NETS	ext seam	DB	P	VTOK	RH
9/8/2006	10:40	7403	SM	E	2-0118-ext-638-661	23	RH	NETS	ext seam	DB	P	VTOK	RH
9/9/2006	9:20	7403	SM	E	2-0113-ext-569-592	23	RH	NETS	ext seam	DB	P	VTOK	RH
9/9/2006	10:16	7403	SM	e	2-0129-ext-707-711	4	RH	NETS	ext seam	DB	p	VTOK	RH
9/9/2006	10:55	75200009	PGM	F	2-0127-0128-0-52	52	RH	SUMP FRONT	1230-1235 30-30	AM	P	ATOK	RH
9/9/2006	11:07	75200009	PGM	F	2-0127-0128-52-76	14	RH	SUMP	1200-1205 30-30	AM	P	ATOK	RH
9/9/2006	11:25	75200009	PGM	F	2-0128-0129-0-83	83	RH	SUMP	1200-1205 30-30	AM	P	ATOK	RH

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WSI Waste Services Of Florida, Inc.

Production Seam Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type gml : 1 Specifications: Seam Pressure: 25-30 lbs 5 min - 2lb Vacuum Box: 5-8 lbs 20 secs

Primary / Secondary: Primary Series: 2

Production Seam					Location			Nondestructive Test					
Date	*Time*	*Mach. ID*	*Oper. ID*	*Ext/ Fus:*	*SeamNo* Series-Seam1-Seam2-Begin-End	*Length* (ft.)	*QA ID*	*Location*	*Detail*	*Oper.*	*Result*	*Action*	*QA ID*
9/9/2006	11:42	75200009	PGM	F	2-0129-0134-37-0	36	RH	SUMP	1215-1220 30-30	AM	P	ATOK	RH
9/9/2006	12:00	75200009	PGM	F	2-0134-0135-0-14	14	RH	SUMP SEC	1240-1245 30-30	AM	P	ATOK	RH
9/9/2006	12:21	75200009	PGM	F	2-0134-0133-0-31	31	RH	SUMP SEC	1251-1256 30 30	AM	P	ATOK	RH
9/9/2006	12:25	75200009	PGM	F	2-0133-0132-0-37	37	RH	SUMP	1245-1250 30-28	AM	P	ATOK	RH
9/9/2006	12:35	75200009	PGM	F	2-0131-0132-0-23	23	RH	SUMP	1257-1302 30-30	AM	P	ATOK	RH
9/9/2006	13:00	75200009	PGM	F	2-0131-0136-0-14	14	RH	SUMP NEC	1310-1315 30-30	AM	P	ATOK	RH
9/9/2006	13:26	75200009	PGM	F	2-0136-0130-0-14	14	RH	SUMP NEC	1430-1435 30-30	AM	P	ATOK	RH
9/9/2006	14:59	75200009	PGM	F	2-0118-0127-600-683	83	RH	NETS	1200-1205 30-30	AM	P	ATOK	RH
9/9/2006	15:00	7427	PGM	E	2-0135-0133-0-14	15	RH	SUMP SEC	CAPPED	DB	P	VTOK	RH
9/11/2006	10:00	7403	SM	e	2-0127-ext-661-684	23	RH	NETS	ext seam	DB	p	VTOK	RH
9/11/2006	10:10	7403	SM	e	2-0128-ext-684-707	23	RH	NETS	ext seam	DB	p	VTOK	RH

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WSI Waste Services Of Florida, Inc.

Production Seam Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Material Type gml : 1 Specifications: Seam Pressure: 25-30 lbs 5 min - 2lb Vacuum Box: 5-8 lbs 20 secs

Primary / Secondary: Primary Series: 2

Production Seam					Location			Nondestructive Test					
Date	*Time*	*Mach. ID*	*Oper. ID*	*Ext/ Fus:*	*SeamNo* Series-Seam1-Seam2-Begin-End	*Length* (ft.)	*QA ID*	*Location*	*Detail*	*Oper.*	*Result*	*Action*	*QA ID*

Total Length Fusion: 22971 Total Length Extrusion: 1495

Comments: 2-0030-0031-130-230:FAILED AT; 2-0030-0031-270-307:FAILED AT; 2-0042-0076-0-375:burn out; 2-0064-0068-134-112:FAILED AT; 2-0065-0068-112-89:FAILED AT; 2-0101-0038-422-444:N CL FL; 2-0101-0039-444-467:N C FL; 2-0101-0040-467-490:N CL FL; 2-0101-0041-490-513:N CL FL; 2-0101-0042-513-536:N CL FL; 2-0101-0076-536-558:N CL FL; 2-0101-0077-558-581:N CL FL; 2-0101-0078-581-0604:N CL FL; 2-0101-0079-604-627:N CL FL; 2-0101-0080-627-679:NICB; 2-0117-0067-584-607:failed AT; 2-0127-0128-0-52:SUMP; 2-0127-0128-52-76:SUMP; 2-0127-ext-661-684:NETS; 2-0128-0129-0-83:SUMP; 2-0128-ext-684-707:NETS; 2-0129-0134-37-0:SUMP; 2-0129-ext-707-711:NETS; 2-0131-0136-0-14:SUMP NEC; 2-0133-0132-0-37:SUMP; 2-0134-0135-0-14:SUMP SEC; 2-0135-0133-0-14:SUMP SEC

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WSI Waste Services Of Florida, Inc.

Repair Summary Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction
Installer: Comanco Environemental Services

Primary / Secondary: Primary Series: 2

Repair Date	*Repair ID*	*DS No*	*Repair Type*	Location				Size			Welder I.D.		*QA ID*	Non-Destructive Testing				
				Seam	*Panel*	*Distance* (ft.)	*Offset* (ft.)	*Length* (ft.)	*Width* (ft.)	*Dia.* (ft.)	*Mach ID*	*Oper ID*		*Date*	*Oper ID*	*Result* (p/f)	*Action*	*QA ID*
8/17/2006	2-0001	2-001	P	0002-0019		6 FSAT		6	2		7403	FL	RH	8/17/2006	DB	P	VTOK	RH
8/17/2006	2-0002		P	3-19-2		13 FSAT		3	2		7403	FL	RH	8/17/2006	DB	P	VTOK	RH
8/17/2006	2-0003		P	1-2-3-20		37 FWTS		5	2		7403	FL	RH	8/17/2006	DB	P	VTOK	RH
8/17/2006	2-0004		P	1-4-20		59 FWTS		2	2		7403	FL	RH	8/17/2006	DB	P	VTOK	RH
8/17/2006	2-0005		P	19-ext		6 FSAT		2	2		74300003	BR	RH	8/17/2006	DB	P	VTOK	RH
8/17/2006	2-0006		P	19-3-ext		13 FSAT		2	2		74300003	BR	RH	8/17/2006	DB	P	VTOK	RH
8/17/2006	2-0007		P	3-ext		18 FSAT		6	2		74300003	BR	RH	8/17/2006	DB	P	VTOK	RH
8/17/2006	2-0008		P	3-ext		28 FSAT		3	2		74300003	BR	RH	8/17/2006	DB	P	VTOK	RH
8/17/2006	2-0009		P	3-19-20		34 FSAT		2	2		74300003	BR	RH	8/17/2006	DB	P	VTOK	RH
8/17/2006	2-0010		P		20	47 FSAT	3 FWTS	6	2		74300003	BR	RH	8/17/2006	DB	P	VTOK	RH
8/17/2006	2-0011		P	4-5-20		81 FWTS		2	2		7403	FL	RH	8/17/2006	DB	P	VTOK	RH
8/17/2006	2-0012		P	5-6-20		104 FWTS		5	2		7403	FL	RH	8/17/2006	DB	P	VTOK	RH
8/17/2006	2-0013		P	6-7-20		126 FWTS		2	2		7403	FL	RH	8/17/2006	DB	P	VTOK	RH
8/17/2006	2-0014		P	7-8-20		149 FWTS		2	2		7403	FL	RH	8/17/2006	DB	P	VTOK	RH
8/17/2006	2-0015		P	8-9-20		171 FWTS		2	2		7403	FL	RH	8/17/2006	DB	P	VTOK	RH
8/17/2006	2-0016		P	9-10-20		194 FWTS		2	2		7403	FL	RH	8/17/2006	DB	P	VTOK	RH
8/17/2006	2-0017		P	10-11-20		216 FWTS		2	2		7403	FL	RH	8/17/2006	DB	P	VTOK	RH

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WSI Waste Services Of Florida, Inc.

Repair Summary Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction
Installer: Comanco Environemental Services

Primary / Secondary: Primary Series: 2

Repair Date	Repair ID	DS No	Repair Type	Location				Size			Welder I.D.		QA ID	Non-Destructive Testing				
				Seam	Panel	Distance (ft.)	Offset (ft.)	Length (ft.)	Width (ft.)	Dia. (ft.)	Mach ID	Oper ID		Date	Oper ID	Result (p/f)	Action	QA ID
8/17/2006	2-0018		P	11-12-20		239 FWTS		2	2		7403	FL	RH	8/17/2006	AF	P	VTOK	RH
8/17/2006	2-0019		P	12-13-20		261 FWTS		2	2		7403	FL	RH	8/17/2006	AF	P	VTOK	RH
8/17/2006	2-0020		P	13-14-20		284 FWTS		2	2		7403	FL	RH	8/17/2006	AF	P	VTOK	RH
8/17/2006	2-0021		P	14-15-20		306 FWTS		2	2		7403	FL	RH	8/17/2006	AF	P	VTOK	RH
8/17/2006	2-0022		P	15-16-20		329 FWTS		2	2		7403	FL	RH	8/17/2006	AF	P	VTOK	RH
8/17/2006	2-0023		P		20	334 FWTS	2 N 16	5	2		7403	FL	RH	8/17/2006	AF	P	VTOK	RH
8/17/2006	2-0024		P	16-17-20		352 FWTS		2	2		7403	FL	RH	8/18/2006	DB	P	VTOK	RH
8/17/2006	2-0025	2-0002	P	17-18-20		370 FWTS		8	2		7403	FL	RH	8/18/2006	DB	P	VTOK	RH
8/17/2006	2-0026		P	18-21-20		397 FWTS		2	2		7403	FL	RH	8/18/2006	DB	P	VTOK	RH
8/18/2006	2-0027		P	19-ext		0 AT		7	2		74300003	BR	RH	8/19/2006	DB	P	VTOK	RH
8/19/2006	2-0028		P	5-6		0 SAT		4	2		7436	HEP	RH	8/19/2006	DB	P	VTOK	RH
8/19/2006	2-0029		P	6-7		1 FSAT		2	2		7436	HEP	RH	8/19/2006	DB	P	VTOK	RH
8/19/2006	2-0030		P	10-11		0 SAT		2	2		7436	HEP	RH	8/19/2006	DB	P	VTOK	RH
8/19/2006	2-0031		P	11-12		2 FSAT		4	2		7436	HEP	RH	8/21/2006	AF	P	VTOK	RH
8/21/2006	2-0032	2-003	P	20-22		50 FWTS		6	2		7403	HEP	RH	8/21/2006	DB	P	VTOK	RH
8/21/2006	2-0033	2-004	P	22-23		162 FWTS		6	2		7403	HEP	RH	8/21/2006	DB	P	VTOK	RH
8/21/2006	2-0034	2-005	P	23-24		250 FWTS		6	2		7403	HEP	RH	8/21/2006	DB	P	VTOK	RH

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WSI Waste Services Of Florida, Inc.

Repair Summary Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction
Installer: Comanco Environemental Services

Primary / Secondary: Primary Series: 2

Repair Date	Repair ID	DS No	Repair Type	Location				Size			Welder I.D.		QA ID	Non-Destructive Testing				
				Seam	Panel	Distance (ft.)	Offset (ft.)	Length (ft.)	Width (ft.)	Dia. (ft.)	Mach ID	Oper ID		Date	Oper ID	Result (p/f)	Action	QA ID
8/21/2006	2-0035	2-006	P	24-25		350 FWTS		6	2		7403	HEP	RH	8/21/2006	DB	P	VTOK	RH
8/21/2006	2-0036	2-007	P	26-27		50 FWTS		6	2		7403	HEP	RH	8/21/2006	DB	P	VTOK	RH
8/21/2006	2-0037	2-008	P	27-28		150 FWTS		6	2		7403	HEP	RH	8/21/2006	DB	P	VTOK	RH
8/21/2006	2-0038	2-009	P	28-29		250 FWTS		6	2		7403	HEP	RH	8/21/2006	DB	P	VTOK	RH
8/21/2006	2-0039	2-010	P	29-30		350 FWTS		6	2		7403	HEP	RH	8/21/2006	AF	P	VTOK	RH
8/21/2006	2-0040	2-011	P	30-31		310 FWTS		6	2		7403	HEP	RH	8/21/2006	AF	P	VTOK	RH
8/21/2006	2-0041		P	30-31		288 FWTS		7	2		7403	HEP	RH	8/21/2006	AF	P	VTOK	RH
8/21/2006	2-0042		P	30-31		223 FWTS		2	2		7403	HEP	RH	8/21/2006	AF	P	capped	RH
8/22/2006	2-0043		P	29-30		173 FWTS		2	2		7403	HEP	RH	8/23/2006	AF	P	VTOK	RH
8/22/2006	2-0044		P	30-31		163 FWTS		6	2		7403	HEP	RH	8/22/2006	AF	P	capped	RH
8/21/2006	2-0045		P	30-31		138 FWTS		2	2		7403	HEP	RH	8/21/2006	AF	P	capped	RH
8/22/2006	2-0046		P	20-22-ext		56 FSAT		2	2		7403	HEP	RH	8/22/2006	DB	P	VTOK	RH
8/22/2006	2-0047		P	22-ext		71 FSAT		2	2		7403	HEP	RH	8/22/2006	DB	P	VTOK	RH
8/22/2006	2-0048		P	22-23-ext		79 FSAT		2	2		7403	HEP	RH	8/22/2006	DB	P	VTOK	RH
8/22/2006	2-0049		P	23-ext		91 FSAT		2	2		7403	HEP	RH	8/22/2006	DB	P	VTOK	RH
8/22/2006	2-0050		P	23-24-ext		101 FSAT		2	2		7403	HEP	RH	8/22/2006	DB	P	VTOK	RH
8/22/2006	2-0051	2-012	P	24-ext		103 FSAT		6	2		7403	HEP	RH	8/22/2006	DB	P	VTOK	RH

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Repair Summary Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction
Installer: Comanco Environemental Services

Primary / Secondary: Primary Series: 2

Repair Date	Repair ID	DS No	Repair Type	Location				Size			Welder I.D.		QA ID	Non-Destructive Testing				
				Seam	Panel	Distance (ft.)	Offset (ft.)	Length (ft.)	Width (ft.)	Dia. (ft.)	Mach ID	Oper ID		Date	Oper ID	Result (p/f)	Action	QA ID
8/22/2006	2-0052		P	24-ext		114 FSAT		2	2		7403	HEP	RH	8/22/2006	DB	P	VTOK	RH
8/22/2006	2-0053		P	23-24-ext		124 FSAT		2	2		7403	HEP	RH	8/22/2006	DB	P	VTOK	RH
8/22/2006	2-0054		P	25-ext		137 FSAT		2	2		7403	HEP	RH	8/22/2006	DB	P	VTOK	RH
8/22/2006	2-0055		P	25-26-ext		147 FSAT		2	2		7403	HEP	RH	8/22/2006	DB	P	VTOK	RH
8/22/2006	2-0056		P	26-ext		160 FSAT		2	2		7403	HEP	RH	8/22/2006	DB	P	VTOK	RH
8/22/2006	2-0057		P	26-27-ext		170 FSAT		2	2		7436	SL	RH	8/22/2006	DB	P	VTOK	RH
8/22/2006	2-0058		P	27-ext		177 FSAT		3	2		7436	SL	RH	8/22/2006	DB	P	VTOK	RH
8/22/2006	2-0059		P	27-ext		180 FSAT		3	2		7436	SL	RH	8/22/2006	DB	P	VTOK	RH
8/22/2006	2-0060		P	27-28-ext		192 FSAT		2	2		7436	SL	RH	8/22/2006	DB	P	VTOK	RH
8/22/2006	2-0061		P	28-ext		205 FSAT		3	2		7436	SL	RH	8/22/2006	JB	P	VTOK	RH
8/22/2006	2-0062		P	28-29-ext		215 FSAT		2	2		7436	SL	RH	8/22/2006	DB	P	VTOK	RH
8/22/2006	2-0063		P	29-ext		227 FSAT		2	2		7436	SL	RH	8/22/2006	DB	P	VTOK	RH
8/22/2006	2-0064		P	29-30-ext		237 FSAT		2	2		7436	SL	RH	8/22/2006	DB	P	VTOK	RH
8/22/2006	2-0065		P	30-ext		242 FSAT		2	2		7436	SL	RH	8/22/2006	DB	P	VTOK	RH
8/22/2006	2-0066		P	30-ext		250 FSAT		2	2		7436	SL	RH	8/22/2006	DB	P	VTOK	RH
8/22/2006	2-0067		P	30-31-ext		260 FSAT		2	2		7436	SL	RH	8/22/2006	DB	P	VTOK	RH
8/22/2006	2-0068		P		31	273 FSAT	5 E WTS	2	2		7436	SL	RH	8/22/2006	DB	P	VTOK	RH

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Repair Summary Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction
Installer: Comanco Environemental Services

Primary / Secondary: Primary Series: 2

Repair Date	Repair ID	DS No	Repair Type	Location				Size			Welder I.D.		QA ID	Non-Destructive Testing				
				Seam	Panel	Distance (ft.)	Offset (ft.)	Length (ft.)	Width (ft.)	Dia. (ft.)	Mach ID	Oper ID		Date	Oper ID	Result (p/f)	Action	QA ID
8/22/2006	2-0069		P	30-31		171 FWTS		2	2		7403	HEP	RH	8/22/2006	DB	P	capped	RH
8/22/2006	2-0070		P	30-31		372 FWTS		12	2		7436	SL	RH	8/22/2006	DB	P	VTOK	RH
8/22/2006	2-0071		P	28-29		373 FWTS		2	2		7403	HEP	RH	8/22/2006	DB	P	VTOK	RH
8/22/2006	2-0072		P		25	140 FSAT	8 W ext	2	2		7403	HEP	RH	8/23/2006	DB	P	VTOK	RH
8/22/2006	2-0073		P	32-33		335 FWTS		2	2	0	7403	HEP	RH	8/23/2006	DB	p	VTOK	RH
8/23/2006	2-0074	2-013	P	31-32		200 FWTS		6	2		7403	HEP	RH	8/23/2006	DB	p	VTOK	RH
8/23/2006	2-0075	2-014	P	32-33		300 FWTS		6	2		7403	HEP	RH	8/23/2006	DB	P	VTOK	RH
8/23/2006	2-0076	2-015	P	33-34		370 FWTS		6	2		7403	HEP	RH	8/23/2006	DB	P	VTOK	RH
8/23/2006	2-0077	2-016	P	35-36		50 FWTS		7	2		7403	HEP	RH	8/23/2006	DB	P	VTOK	RH
8/22/2006	2-0078		P	20-ext		46 FSAT		2	2		7403	HEP	RH	8/23/2006	DB	P	VTOK	RH
8/22/2006	2-0079		P		24	275 FWTS		2	2		7436	SL	RH	8/23/2006	DB	P	VTOK	RH
8/23/2006	2-0080	2-017	P	36-37		143 FWTS		7	2		7403	RA	RH	8/23/2006	AM	P	VTOK	RH
8/23/2006	2-0081	2-018	P	37-38		245 FWTS		7	2		7436	SL	RH	8/23/2006	AM	P	VTOK	RH
8/23/2006	2-0082	2-019	P	38-39		350 FWTS		7	2		7436	SL	RH	8/23/2006	DB	P	VTOK	RH
8/23/2006	2-0083	2-020	P	40-41		32 FWTS		7	2		7436	SL	RH	8/23/2006	DB	P	VTOK	RH
8/23/2006	2-0084	2-021	P	41-42		125 FWTS		7	2		7436	SL	RH	8/23/2006	DB	P	VTOK	RH
8/23/2006	2-0085		P	31-32-ext		283 FSAT		2	2		7403	SL	RH	8/23/2006	DB	P	VTOK	RH

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Repair Summary Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction
Installer: Comanco Environemental Services

Primary / Secondary: Primary Series: 2

Repair Date	Repair ID	DS No	Repair Type	Location				Size			Welder I.D.		QA ID	Non-Destructive Testing				
				Seam	Panel	Distance (ft.)	Offset (ft.)	Length (ft.)	Width (ft.)	Dia. (ft.)	Mach ID	Oper ID		Date	Oper ID	Result (p/f)	Action	QA ID
8/23/2006	2-0086		P	32-ext		296 FSAT		2	2		7403	SL	RH	8/23/2006	DB	P	VTOK	RH
8/23/2006	2-0087		P	32-33-ext		306 FSAT		2	2		7403	SL	RH	8/23/2006	DB	P	VTOK	RH
8/23/2006	2-0088		P	33-ext		318 FSAT		2	2		7403	SL	RH	8/23/2006	DB	P	VTOK	RH
8/23/2006	2-0089		P	33-34-ext		328 FSAT		2	2		7403	SL	RH	8/23/2006	DB	P	VTOK	RH
8/23/2006	2-0090		P	34-ext		341 FSAT		2	2		7403	SL	RH	8/23/2006	DB	P	VTOK	RH
8/23/2006	2-0091		P	34-35-ext		351 FSAT		2	2		7403	SL	RH	8/23/2006	DB	P	VTOK	RH
8/23/2006	2-0092		P	35-ext		364 FSAT		2	2		7403	SL	RH	8/23/2006	DB	P	VTOK	RH
8/23/2006	2-0093		P	35-36-ext		374 FSAT		2	2		7403	SL	RH	8/23/2006	DB	P	VTOK	RH
8/23/2006	2-0094		P	36-ext		386 FSAT		2	2		7403	SL	RH	8/23/2006	DB	P	VTOK	RH
8/23/2006	2-0095		P	36-37-ext		396 FSAT		2	2		7403	SL	RH	8/23/2006	DB	P	VTOK	RH
8/23/2006	2-0096		P	37-ext		409 FSAT		2	2		7403	SL	RH	8/23/2006	DB	P	VTOK	RH
8/23/2006	2-0097		P	37-38-ext		419 FSAT		2	2		7403	SL	RH	8/23/2006	DB	P	VTOK	RH
8/23/2006	2-0098		P	38-ext		431 FSAT		2	2		7403	SL	RH	8/23/2006	DB	P	VTOK	RH
8/23/2006	2-0099		P	38-39-ext		441 FSAT		2	2		7403	SL	RH	8/23/2006	DB	P	VTOK	RH
8/23/2006	2-0100		P	39-ext		454 FSAT		2	2		7403	SL	RH	8/23/2006	DB	P	VTOK	RH
8/23/2006	2-0101		P		39	455 FSAT	4 E ext	2	2		7403	SL	RH	8/23/2006	DB	P	VTOK	RH
8/23/2006	2-0102		P	39-40-ext		464 FSAT		2	2		7403	SL	RH	8/23/2006	DB	P	VTOK	RH

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WSI Waste Services Of Florida, Inc.

Repair Summary Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction
Installer: Comanco Environemental Services

Primary / Secondary: Primary Series: 2

Repair Date	Repair ID	DS No	Repair Type	Location				Size			Welder I.D.		QA ID	Non-Destructive Testing				
				Seam	Panel	Distance (ft.)	Offset (ft.)	Length (ft.)	Width (ft.)	Dia. (ft.)	Mach ID	Oper ID		Date	Oper ID	Result (p/f)	Action	QA ID
8/23/2006	2-0103		P	40-ext		477 FSAT		2	2		7403	SL	RH	8/23/2006	DB	P	VTOK	RH
8/23/2006	2-0104		P	40-41-ext		487 FSAT		2	2		7403	SL	RH	8/23/2006	DB	P	VTOK	RH
8/23/2006	2-0105		P	41-ext		494 FSAT		2	2		7403	SL	RH	8/23/2006	DB	P	VTOK	RH
8/23/2006	2-0106		P	41-ext		499 FSAT		2	2		7403	SL	RH	8/23/2006	DB	P	VTOK	RH
8/23/2006	2-0107		P	41-42-ext		509 FSAT		2	2		7403	SL	RH	8/23/2006	DB	P	VTOK	RH
8/28/2006	2-0108	2-022	P	20-43		50 FSAT		7	2		7436	SL	RH	8/29/2006	DB	p	VTOK	RH
8/28/2006	2-0109	2-023	P	43-44		150 FSAT		7	2		7436	SL	RH	8/29/2006	DB	p	VTOK	RH
8/28/2006	2-0110	2-024	P	44-45		250 FSAT		7	2		7436	SL	RH	8/29/2006	DB	p	VTOK	RH
8/28/2006	2-0111	2-025	P	45-46		350 FSAT		7	2		7436	SL	RH	8/29/2006	DB	p	VTOK	RH
8/29/2006	2-0112		P	21-20-43		35 FSAT		2	2		7427	AL	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0113		P	20-22-43		57 FSAT		6	2		7427	AL	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0114		P	22-23-43		81 FSAT		2	2		7427	AL	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0115		P	23-24-43		103 FSAT		2	2		7427	AL	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0116		P	24-25-43		126 FSAT		2	2		7427	AL	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0117		P	25-26-43		150 FSAT		2	2		7427	AL	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0118		P	26-27-43		172 FSAT		2	2		7427	AL	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0119		P	27-28-43		195 FSAT		2	2		7427	AL	RH	8/29/2006	DB	P	VTOK	RH

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WSI Waste Services Of Florida, Inc.

Repair Summary Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction
Installer: Comanco Environemental Services

Primary / Secondary: Primary Series: 2

Repair Date	Repair ID	DS No	Repair Type	Location				Size			Welder I.D.		QA ID	Non-Destructive Testing				
				Seam	Panel	Distance (ft.)	Offset (ft.)	Length (ft.)	Width (ft.)	Dia. (ft.)	Mach ID	Oper ID		Date	Oper ID	Result (p/f)	Action	QA ID
8/29/2006	2-0120		P	28-29-43		217 FSAT		2	2		7427	AL	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0121		P	29-30-43		240 FSAT		2	2		7445	SMT	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0122		P	30-31-43		262 FSAT		2	2		7445	SMT	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0123		P	31-43		266 FSAT		1	2		7445	SMT	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0124		P	31-32-43		285 FSAT		2	2		7445	SMT	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0125		P	32-33-43		308 FSAT		2	2		7445	SMT	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0126		P	33-34-43		331 FSAT		2	2		7445	SMT	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0127		P	34-35-43		354 FSAT		2	2		7445	SMT	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0128		P	35-36-43		377 FSAT		2	2		7445	SMT	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0129		P	36-37-43		399 FSAT		2	2		7445	SMT	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0130		P	47-48		144 FSAT		3	2		74300013	AA	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0131		P	47-48		141 FSAT		2	2		74300013	AA	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0132	2-027	P	48-49		50 FSAT		2	2		74300013	AA	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0133		P		49	25 FSAT	11 E 48	2	2		74300013	AA	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0134		P		49	17 FSAT	11 E 48	2	2		74300013	AA	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0135		P		49	12 FSAT	11 E 48	2	2		74300013	AA	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0136		P		49	AT	11 E 48	2	2		74300013	AA	RH	8/29/2006	DB	P	VTOK	RH

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WSI Waste Services Of Florida, Inc.

Repair Summary Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction
Installer: Comanco Environemental Services

Primary / Secondary: Primary Series: 2

Repair Date	Repair ID	DS No	Repair Type	Location				Size			Welder I.D.		QA ID	Non-Destructive Testing				
				Seam	Panel	Distance (ft.)	Offset (ft.)	Length (ft.)	Width (ft.)	Dia. (ft.)	Mach ID	Oper ID		Date	Oper ID	Result (p/f)	Action	QA ID
8/29/2006	2-0137	2-028	P	49-50		150 FSAT		7	2		74300013	AA	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0138	2-030	P	50-66		300 FSAT		7	2		74300013	AA	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0139	2-033	P	66-67		250 FSAT		7	2		74300013	AA	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0140	2-034	P	67-68		179 FSAT		7	2		74300013	AA	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0141		P	57-58-68		270 FSAT		2	2		7443	BR	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0142		P	56-57-58		46 FEAT		2	2		7443	BR	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0143		P	58-59-68		247 FSAT		2	2		7443	BR	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0144		P	59-60-68		225 FSAT		2	2		7443	BR	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0145		P	60-61-68		202 FSAT		2	2		7443	BR	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0146		P	59-60		28 FEAT		2	2		7443	BR	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0147		P	61-62-68		63 FEAT		2	2		7403	PGM	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0148		P	62-63-68		63 FEAT		3	2		7403	PGM	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0149	2-031	P	62-63		50 FEAT		7	2		7403	PGM	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0150		P	63-64-68		134 FSAT		7	2		7403	PGM	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0151		P	64-65-68		112 FSAT		3	2		7403	PGM	RH	8/29/2006	DB	P	APPED 9	RH
8/29/2006	2-0152		P		69	56 FEAT	6 S 65	2	2		7403	PGM	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0153		P	72-73-71		25 FSAT		2	2		7403	PGM	RH	8/29/2006	DB	P	VTOK	RH

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WSI Waste Services Of Florida, Inc.

Repair Summary Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction
Installer: Comanco Environemental Services

Primary / Secondary: Primary Series: 2

Repair Date	Repair ID	DS No	Repair Type	Location				Size			Welder I.D.		QA ID	Non-Destructive Testing				
				Seam	Panel	Distance (ft.)	Offset (ft.)	Length (ft.)	Width (ft.)	Dia. (ft.)	Mach ID	Oper ID		Date	Oper ID	Result (p/f)	Action	QA ID
8/29/2006	2-0154		P	71-74-73		28 FEAT		8	2		7403	PGM	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0155		P	74-75-73		SAT		4	2		7403	PGM	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0156		P	69-70-68		67 FSAT		2	2		7403	PGM	RH	8/29/2006	DB	P	capped 9-	RH
8/29/2006	2-0157		P	70-71-68		44 FSAT		7	2		7403	PGM	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0158		P	71-72-68		34 FSAT		5	2		7403	PGM	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0159		P	65-69-68		89 FSAT		4	2		7403	PGM	RH	8/29/2006	DB	P	capped 9-	RH
8/29/2006	2-0160	2-030	P	56-57		11 N 58		7	2		7443	BR	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0161		P	55-56-57		48 FEAT		2	2		7443	BR	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0162		P	55-57-68		292 FSAT		2	2		7443	BR	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0163		P	55-68		307 FSAT		2	2		7443	BR	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0164		P	54-55-68		315 FSAT		2	2		7443	BR	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0165		P	53-54-68		338 FSAT		2	2		7443	BR	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0166		P	52-53-68		360 FSAT		2	2		7443	BR	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0167		P	51-52-68		383 FSAT		2	2		7443	BR	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0168	2-029	P	51-52		50 FEAT		7	2		7443	BR	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0169		P	51-68		400 FSAT		4	2		7443	BR	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0170		P		68	400 FSAT	11 E 67	2	2		7445	SMT	RH	8/29/2006	DB	P	VTOK	RH

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WSI Waste Services Of Florida, Inc.

Repair Summary Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction
Installer: Comanco Environemental Services

Primary / Secondary: Primary Series: 2

Repair Date	Repair ID	DS No	Repair Type	Location				Size			Welder I.D.		QA ID	Non-Destructive Testing				
				Seam	Panel	Distance (ft.)	Offset (ft.)	Length (ft.)	Width (ft.)	Dia. (ft.)	Mach ID	Oper ID		Date	Oper ID	Result (p/f)	Action	QA ID
8/29/2006	2-0171		P	67-68		400 FSAT		2	2		7445	SMT	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0172		P		67	400 FSAT	9 W 68	2	2		7445	SMT	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0173		P		67	400 FSAT	11 W 68	2	2		7445	SMT	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0174		P		66	400 FSAT	13 W 50	2	2		7445	SMT	RH	8/29/2006	DB	P	VTOK	RH
8/29/2006	2-0175	2-026	P	46-47		405 FSAT		6	2		7445	SMT	RH	8/29/2006	DB	p	VTOK	RH
9/3/2006	2-0176	2-035	P	42-76		375 FWTS		2	2		7427	PGM	RH	9/3/2006	DB	P	VTOK	RH
9/3/2006	2-0177	2-036	P	76-77		150 FWTS		7	2		7427	PGM	RH	9/3/2006	DB	P	VTOK	RH
9/3/2006	2-0178	2-037	P	77-78		250 FWTS		7	2		7427	PGM	RH	9/3/2006	DB	P	VTOK	RH
9/3/2006	2-0179	2-038	P	78-79		350 FWTS		7	2		7427	PGM	RH	9/3/2006	DB	P	VTOK	RH
9/3/2006	2-0180		P	90-91		7 FNTS		2	2		7427	PGM	RH	9/3/2006	DB	P	VTOK	RH
9/3/2006	2-0181	2-039	P	83-84		26 FNTS		7	2		7427	PGM	RH	9/5/2006	DB	P	VTOK	RH
9/3/2006	2-0182	2-040	P	86-79		273 FWTS		7	2		7427	PGM	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0183	2-041	P	100-95		66 FNWC		7	2		7430003	HEP	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0184	2-042	P	90-91		23 FNTS		7	2		7427	PGM	RH	9/4/2006	DB	P	VTOK	RH
9/4/2006	2-0185		P	42-ext		527 FSAT		2	2		7430003	HEP	RH	9/4/2006	DB	P	VTOK	RH
9/4/2006	2-0186		P	42-76-ext		532 FSAT		2	2		7430003	HEP	RH	9/4/2006	DB	P	VTOK	RH
9/4/2006	2-0187		P	76-ext		545 FSAT		2	2		7430003	HEP	RH	9/4/2006	DB	P	VTOK	RH

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WSI Waste Services Of Florida, Inc

Repair Summary Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction
Installer: Comanco Environemental Services

Primary / Secondary: Primary Series: 2

Repair Date	Repair ID	DS No	Repair Type	Location				Size			Welder I.D.		QA ID	Non-Destructive Testing				
				Seam	Panel	Distance (ft.)	Offset (ft.)	Length (ft.)	Width (ft.)	Dia. (ft.)	Mach ID	Oper ID		Date	Oper ID	Result (p/f)	Action	QA ID
9/4/2006	2-0188		P	76-77-ext		555 FSAT		2	2		7430003	HEP	RH	9/4/2006	DB	P	VTOK	RH
9/4/2006	2-0189		P	77-ext		568 FSAT		2	2		7430003	HEP	RH	9/4/2006	DB	P	VTOK	RH
9/4/2006	2-0190		P	77-78-ext		578 FSAT		2	2		7430003	HEP	RH	9/4/2006	DB	P	VTOK	RH
9/4/2006	2-0191		P	78-ext		591 FSAT		2	2		7430003	HEP	RH	9/4/2006	DB	P	VTOK	RH
9/4/2006	2-0192		P	78-79-ext		601 FSAT		2	2		7430003	HEP	RH	9/4/2006	DB	P	VTOK	RH
9/4/2006	2-0193		P	79-ext		610 FSAT		6	2		7430003	HEP	RH	9/4/2006	DB	P	VTOK	RH
9/4/2006	2-0194		P	79-100-ext		625 FSAT		2	2		7430003	HEP	RH	9/4/2006	DB	P	VTOK	RH
9/4/2006	2-0195		P	100-ext		632 FSAT		2	2		7430003	HEP	RH	9/4/2006	DB	P	VTOK	RH
9/4/2006	2-0196		P	99-100-ext		648 FSAT		2	2		7430003	HEP	RH	9/4/2006	DB	P	VTOK	RH
9/4/2006	2-0197		P	99-ext		653 FSAT		4	2		7430003	HEP	RH	9/4/2006	DB	P	VTOK	RH
9/4/2006	2-0198		P	99-ext		657 FSAT		4	2		7430003	HEP	RH	9/4/2006	DB	P	VTOK	RH
9/4/2006	2-0199	2-043	P	99-ext		661 FSAT		7	2		7430003	HEP	RH	9/4/2006	DB	P	VTOK	RH
9/4/2006	2-0200	2-044	P	89-ext		210 FSAT		6	2		7427	PGM	RH	9/4/2006	DB	P	VTOK	RH
9/4/2006	2-0201		P	80-81-79		402 FSAT		2	2		7403	SL	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0202		P	81-82-70		380 FWTS		2	2		7403	SL	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0203		P	82-83-79		357 FWTS		2	2		7403	SL	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0204		P	83-84-79		335 FWTS		2	2		7403	SL	RH	9/5/2006	DB	P	VTOK	RH

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WSI Waste Services Of Florida, Inc.

Repair Summary Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction
Installer: Comanco Environemental Services

Primary / Secondary: Primary Series: 2

Repair Date	Repair ID	DS No	Repair Type	Location				Size			Welder I.D.		QA ID	Non-Destructive Testing				
				Seam	Panel	Distance (ft.)	Offset (ft.)	Length (ft.)	Width (ft.)	Dia. (ft.)	Mach ID	Oper ID		Date	Oper ID	Result (p/f)	Action	QA ID
9/4/2006	2-0205		P	84-85-79		312 FWTS		2	2		7403	SL	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0206		P	85-86-79		290 FWTS		2	2		7427	PGM	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0207		P	86-87-79		268 FWTS		2	2		7427	PGM	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0208		P	87-88-79		245 FWTS		2	2		7427	PGM	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0209		P	88-89-79		223 FWTS		2	2		7427	PGM	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0210		P	89-90-79		201 FWTS		2	2		7427	PGM	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0211		P	90-91-79		178 FWTS		2	2		7427	PGM	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0212		P	90-91		42 FNTS		7	2		7427	PGM	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0213		P	90-91		35 FNTS		2	2		7427	PGM	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0214		P	90-91		7 FNTS		2	2		7427	PGM	RH	9/4/2006	DB	P	VTOK	RH
9/4/2006	2-0215		P	91-92-79		155 FWTS		2	2		7427	PGM	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0216		P	92-93-79		132 FWTS		2	2		7427	PGM	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0217		P	93-94-79		110 FWTS		2	2		7427	PGM	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0218		P	93-94		42 FNTS		7	2		7427	PGM	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0219		P	94-95-79		88 FWTS		2	2		7430003	HEP	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0220		P	79-100-95		76 FNC		10	2		7430003	HEP	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0221		P	95-96-100		59 FNC		3	2		7430003	HEP	RH	9/5/2006	DB	P	VTOK	RH

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WSI Waste Services Of Florida, Inc.

Repair Summary Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction
Installer: Comanco Environemental Services

Primary / Secondary: Primary Series: 2

Repair Date	Repair ID	DS No	Repair Type	Location				Size			Welder I.D.		QA ID	Non-Destructive Testing				
				Seam	Panel	Distance (ft.)	Offset (ft.)	Length (ft.)	Width (ft.)	Dia. (ft.)	Mach ID	Oper ID		Date	Oper ID	Result (p/f)	Action	QA ID
9/4/2006	2-0222		P	96-99-100		44 FNC		2	2		7430003	HEP	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0223		P	96-97-99		24 FNC		3	2		7430003	HEP	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0224		P	97-98-99		12 FNC		4	2		7430003	HEP	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0225		P	98-99-ext		671 FSAT		2	2		7430003	HEP	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0226		P	98-exr		NWC		3	3		7430003	HEP	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0227		P	97-98-ext		8 FWTS		4	2		7430003	HEP	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0228		P	97-ext		20 FWTS		2	2		7430003	HEP	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0229		P	97-96-ext		23 FWTS		2	2		7430003	HEP	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0230		P	96-ext		42 FWTS		2	2		7430003	HEP	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0231		P	95-96-ext		46 FWTS		2	2		7430003	HEP	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0232		P	95-ext		64 FWTS		2	2		7430003	HEP	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0233		P	94-95-ext		68 FWTS		2	2		7430003	HEP	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0234		P	93-94-ext		91 FWTS		8	2		7427	PGM	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0235		P	93-ext		105 FWTS		2	2		7427	PGM	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0236		P	92-93-ext		113 FWTS		2	2		7427	PGM	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0237		P	92-ext		131 FWTS		2	2		7427	PGM	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0238		P	91-92-ext		136 FWTS		2	2		7427	PGM	RH	9/5/2006	DB	P	VTOK	RH

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WSI Waste Services Of Florida, Inc.

Repair Summary Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction
Installer: Comanco Environemental Services

Primary / Secondary: Primary Series: 2

Repair Date	Repair ID	DS No	Repair Type	Location				Size			Welder I.D.		QA ID	Non-Destructive Testing				
				Seam	Panel	Distance (ft.)	Offset (ft.)	Length (ft.)	Width (ft.)	Dia. (ft.)	Mach ID	Oper ID		Date	Oper ID	Result (p/f)	Action	QA ID
9/4/2006	2-0239		P	91-ext		150 FWTS		2	2		7427	PGM	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0240		P	90-91-ext		158 FWTS		2	2		7427	PGM	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0241		P	90-ext		171 FWTS		2	2		7427	PGM	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0242		P	89-90-ext		201 FWTS		2	2		7427	PGM	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0243		P	89-ext		194 FWTS		2	2		7427	PGM	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0244		P	88-89-ext		202 FWTS		2	2		7427	PGM	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0245		P	88-ext		217 FWTS		2	2		7427	PGM	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0246		P	87-88-ext		225 FSAT		2	2		7427	PGM	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0247		P	87-ext		240 FWTS		2	2		7427	PGM	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0248		P	86-87-ext		248 FWTS		2	2		7427	PGM	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0249		P	86-ext		254 FWTS		2	2		7403	SL	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0250		P	86-ext		263 FWTS		2	2		7403	SL	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0251		P	85-86-ext		271 FWTS		2	2		7403	SL	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0252		P	85-ext		285 FWRS		2	2		7403	SL	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0253		P	84-85-ext		294 FWTS		2	2		7403	SL	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0254		P	84-ext		307 FWTS		2	2		7403	SL	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0255		P	83-84-ext		317 FWTS		2	2		7403	SL	RH	9/5/2006	DB	P	VTOK	RH

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WSI Waste Services Of Florida, Inc.

Repair Summary Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction
Installer: Comanco Environemental Services

Primary / Secondary: Primary Series: 2

Repair Date	Repair ID	DS No	Repair Type	Location				Size			Welder I.D.		QA ID	Non-Destructive Testing				
				Seam	Panel	Distance (ft.)	Offset (ft.)	Length (ft.)	Width (ft.)	Dia. (ft.)	Mach ID	Oper ID		Date	Oper ID	Result (p/f)	Action	QA ID
9/4/2006	2-0256		P	83-ext		330 FWTS		2	2		7403	SL	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0257		P	82-83-ext		340 FWTS		2	2		7403	SL	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0258		P	82-ext		353 FWTS		2	2		7403	SL	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0259		P	81-82-ext		363 FWTS		2	2		7403	SL	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0260		P	81-ext		376 FWTS		2	2		7403	SL	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0261		P	80-81-ext		386 FWTS		2	2		7403	SL	RH	9/5/2006	DB	P	VTOK	RH
9/4/2006	2-0262		P	80-ext		399 FWTS		2	2		7403	SL	RH	9/5/2006	DB	P	VTOK	RH
9/6/2006	2-0263		P	80-79-101		627 FSAT		2	2		7403	SM	RH	9/5/2006	DB	P	VTOK	RH
9/6/2006	2-0264		P	78-79-101		604 FSAT		2	2		7403	SM	RH	9/6/2006	DB	P	VTOK	RH
9/6/2006	2-0265		P	77-78-101		581 FSAT		2	2		7403	SM	RH	9/6/2006	DB	P	VTOK	RH
9/6/2006	2-0266		P	76-77-101		558 FSAT		2	2		7403	SM	RH	9/6/2006	DB	F	VTOK	RH
9/6/2006	2-0267		P	42-76-101		536 FSAT		2	2		7403	SM	RH	9/6/2006	DB	P	VTOK	RH
9/6/2006	2-0268		P	41-42-101		513 FSAT		2	2		7403	SM	RH	9/6/2006	DB	P	VTOK	RH
9/6/2006	2-0269		P	40-41-101		490 FSAT		2	2		7403	SM	RH	9/6/2006	DB	P	VTOK	RH
9/6/2006	2-0270		P	39-40-101		467 FSAT		2	2		7403	SM	RH	9/6/2006	DB	P	VTOK	RH
9/6/2006	2-0271		P	38-39-101		444 FSAT		2	2		7403	SM	RH	9/6/2006	DB	P	VTOK	RH
9/6/2006	2-0272		P	37-38-101		422 FSAT		2	2		7403	SM	RH	9/6/2006	DB	P	VTOK	RH

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WSI Waste Services Of Florida, Inc

Repair Summary Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction
Installer: Comanco Environemental Services

Primary / Secondary: Primary Series: 2

Repair Date	Repair ID	DS No	Repair Type	Location				Size			Welder I.D.		QA ID	Non-Destructive Testing				
				Seam	Panel	Distance (ft.)	Offset (ft.)	Length (ft.)	Width (ft.)	Dia. (ft.)	Mach ID	Oper ID		Date	Oper ID	Result (p/f)	Action	QA ID
9/6/2006	2-0273	2-045	P	40-101		480 FSAT		7	2		7403	SM	RH	9/6/2006	DB	P	VTOK	RH
9/6/2006	2-0274		P	43-37-101		399 FSAT		3	3		7403	SM	RH	9/6/2006	DB	P	VTOK	RH
9/6/2006	2-0275		P	43-44-101-103		402 FSAT		3	2		7403	SM	RH	9/6/2006	DB	P	VTOK	RH
9/6/2006	2-0276		P	101-102-103		549 FSAT		2	2		7403	SM	RH	9/6/2006	DB	P	VTOK	RH
9/6/2006	2-0277		P	80-101-ext		409 FWTS		8	2		7403	SM	RH	9/6/2006	DB	P	VTOK	RH
9/6/2006	2-0278		P	101-ext		422 FWTS		2	2		7403	SM	RH	9/6/2006	DB	P	VTOK	RH
9/6/2006	2-0279		P	101-102-ext		432 FWTS		2	2		7403	SM	RH	9/6/2006	DB	P	VTOK	RH
9/6/2006	2-0280		P	102-ext		445 FWTS		2	2		7403	SM	RH	9/6/2006	DB	P	VTOK	RH
9/8/2006	2-0281	2-046	P	102-104		650 FSAT		7	2		7430003	HEP	RH	9/8/2006	DB	P	VTOK	RH
9/8/2006	2-0282	2-047	P	104-105		11 E 102		7	2		7430003	HEP	RH	9/8/2006	DB	P	VTOK	RH
9/8/2006	2-0283	2-048	P	106-108		500 FSAT		7	2		7430003	HEP	RH	9/8/2006	DB	P	VTOK	RH
9/8/2006	2-0284	2-049	P	110-112		435 FSAT		7	2		7427	PGM	RH	9/8/2006	DB	P	VTOK	RH
9/8/2006	2-0285		P	102-103-105		549 FSAT		2	2		7430003	HEP	RH	9/8/2006	DB	P	VTOK	RH
9/8/2006	2-0286		P	102-104-105		569 FSAT		2	2		7430003	HEP	RH	9/8/2006	DB	P	VTOK	RH
9/8/2006	2-0287		P	104-105-106		569 FSAT		2	2		7430003	HEP	RH	9/8/2006	DB	P	VTOK	RH
9/8/2006	2-0288		P	105-106-107		435 FSAT		2	2		7427	PGM	RH	9/8/2006	DB	P	VTOK	RH
9/8/2006	2-0289		P	106-107-108		435 FSAT		2	2		7427	PGM	RH	9/8/2006	DB	P	VTOK	RH

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WSI Weaver Services Of Florida, Inc.

Repair Summary Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction
Installer: Comanco Environemental Services

Primary / Secondary: Primary Series: 2

Repair Date	Repair ID	DS No	Repair Type	Location				Size			Welder I.D.		QA ID	Non-Destructive Testing				
				Seam	Panel	Distance (ft.)	Offset (ft.)	Length (ft.)	Width (ft.)	Dia. (ft.)	Mach ID	Oper ID		Date	Oper ID	Result (p/f)	Action	QA ID
9/8/2006	2-0290		P	110-111-112		450 FSAT		2	2		7427	PGM	RH	9/8/2006	DB	P	VTOK	RH
9/8/2006	2-0291		P	49-48-112-110		405 FSAT		5	2		7427	PGM	RH	9/8/2006	DB	P	VTOK	RH
9/8/2006	2-0292		P	108-110-47-48		407 FSAT		5	2		7427	PGM	RH	9/8/2006	DB	P	VTOK	RH
9/8/2006	2-0293		P	47-46-107-108		407 FSAT		5	2		7427	PGM	RH	9/8/2006	DB	P	VTOK	RH
9/8/2006	2-0294		P	46-45-107-105		407 FSAT		5	2		7427	AL	RH	9/8/2006	DB	P	VTOK	RH
9/8/2006	2-0295		P	103-105-45-44		406 FSAT		5	2		7427	PGM	RH	9/8/2006	DB	P	VTOK	RH
9/8/2006	2-0296		P	108-109-110		582 FSAT		2	2		7427	PGM	RH	9/8/2006	DB	P	VTOK	RH
9/8/2006	2-0297		P	109-110-111		582 FSAT		2	2		7430003	HEP	RH	9/8/2006	DB	P	VTOK	RH
9/8/2006	2-0298		P	111-112-113		450 FSAT		2	2		7427	PGM	RH	9/8/2006	DB	P	VTOK	RH
9/8/2006	2-0299		P	112-113-50-49		406 FSAT		5	2		7427	PGM	RH	9/8/2006	DB	P	VTOK	RH
9/8/2006	2-0300	2-050	P	113-115		500 FSAT		7	2		7403	SM	RH	9/8/2006	DB	P	VTOK	RH
9/8/2006	2-0301	2-051	C	0067-0117		596 FWTS		23	2		7427	PGM	RH	9/8/2006	DB	P	VTOK	RH
9/8/2006	2-0302	2-052	P	118-123		501 FSAT		7	2		7403	SM	RH	9/8/2006	DB	P	VTOK	RH
9/8/2006	2-0303		P	66-50-113-115		561 FWTS		5	2		7427	PGM	RH	9/8/2006	DB	P	VTOK	RH
9/8/2006	2-0304		C	68-67-118-117		507 FWTS		23	2		7427	PGM	RH	9/8/2006	DB	P	capped	RH
9/8/2006	2-0305		P	115-116-117		462 FSAT		2	2		7427	PGM	RH	9/8/2006	DB	P	VTOK	RH
9/8/2006	2-0306		P	116-117-118		462 FSAT		2	2		7427	PGM	RH	9/8/2006	DB	P	VTOK	RH

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Repair Summary Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
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Installer: Comanco Environemental Services

Primary / Secondary: Primary Series: 2

Repair Date	Repair ID	DS No	Repair Type	Location				Size			Welder I.D.		QA ID	Non-Destructive Testing				
				Seam	Panel	Distance (ft.)	Offset (ft.)	Length (ft.)	Width (ft.)	Dia. (ft.)	Mach ID	Oper ID		Date	Oper ID	Result (p/f)	Action	QA ID
9/8/2006	2-0307		P	113-114-115		609 FSAT		2	2		7403	SM	RH	9/8/2006	DB	P	VTOK	RH
9/8/2006	2-0308		P		115	500 FSAT	11 E 113	2	2		7403	SM	RH	9/8/2006	DB	P	VTOK	RH
9/8/2006	2-0309		P	114-115-116		609 FSAT		2	2		7403	SM	RH	9/8/2006	DB	P	VTOK	RH
9/8/2006	2-0310		P	50-119-118-68		630 FWTS		9	2		7427	PGM	RH	9/8/2006	DB	p	VTOK	RH
9/8/2006	2-0311		P	119-120-118		428 FSAT		2	2		7427	PGM	RH	9/8/2006	DB	P	VTOK	RH
9/8/2006	2-0312		P	120-121-118		451 FSAT		2	2		7427	PGM	RH	9/8/2006	DB	P	VTOK	RH
9/8/2006	2-0313		P	121-122-118		473 FSAT		2	2		7430003	HEP	RH	9/8/2006	DB	P	VTOK	RH
9/8/2006	2-0314		P	122-123-118		496 FSAT		2	2		7430003	HEP	RH	9/8/2006	DB	P	VTOK	RH
9/8/2006	2-0315		P	123-124-118		519 FSAT		2	2		7430003	HEP	RH	9/8/2006	DB	P	VTOK	RH
9/8/2006	2-0316		P	125-125		60 FEAT		2	2		7430003	HEP	RH	9/8/2006	DB	P	VTOK	RH
9/8/2006	2-0317		P	124-125-118		542 FSAT		2	2		7430003	HEP	RH	9/8/2006	DB	P	VTOK	RH
9/8/2006	2-0318		P	125-126-118		565 FSAT		2	2		7403	SM	RH	9/8/2006	DB	P	VTOK	RH
9/9/2006	2-0319	2-053	P	129-134		6 S SUMP		7	2		7427	PGM	RH	9/8/2006	DB	P	VTOK	RH
9/9/2006	2-0320		P	134-132-129		42 FNTS		7	2		7427	PGM	RH	9/8/2006	DB	P	VTOK	RH
9/9/2006	2-0321		P	129-130-131-132		SUMP RI		17	13		7403	SM	RH	9/8/2006	DB	P	VTOK	RH
9/9/2006	2-0322		P	127-128		62 FNTS		5	2		7403	SM	RH	9/8/2006	DB	P	VTOK	RH
9/9/2006	2-0323		P	126-127-118		66 FEAT		5	3		7427	PGM	RH	9/8/2006	DB	P	VTOK	RH

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WSI Weaver Services Of Florida Inc

Repair Summary Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction
Installer: Comanco Environemental Services

Primary / Secondary: Primary Series: 2

Repair Date	Repair ID	DS No	Repair Type	Location				Size			Welder I.D.		QA ID	Non-Destructive Testing				
				Seam	Panel	Distance (ft.)	Offset (ft.)	Length (ft.)	Width (ft.)	Dia. (ft.)	Mach ID	Oper ID		Date	Oper ID	Result (p/f)	Action	QA ID
9/9/2006	2-0324		P	127-128-126		43 FEAT		2	2		7430003	HEP	RH	9/8/2006	DB	P	VTOK	RH
9/9/2006	2-0325		P	128-129-126		23 FEAT		2	2		7430003	HEP	RH	9/8/2006	DB	P	VTOK	RH
9/9/2006	2-0326		P	121-136-130		14 FNTS		3	2		7430003	HEP	RH	9/8/2006	DB	P	VTOK	RH
9/9/2006	2-0327		P	129-130		28 FNAT		2	2		7430003	HEP	RH	9/8/2006	DB	P	VTOK	RH
9/11/2006	2-0328		P	134-135		AT		2	2		7430003	HEP	RH	9/11/2006	DB	P	VTOK	RH
9/11/2006	2-0329		P	131-132		AT		2	2		7430003	HEP	RH	9/11/2006	DB	P	VTOK	RH
9/11/2006	2-0330		P	129-ext		AT		2	2		7430003	HEP	RH	9/11/2006	DB	P	VTOK	RH
9/8/2006	2-0331		P	102-104-ext		455 FWTS		2	2		7430003	HEP	RH	9/11/2006	DB	P	VTOK	RH
9/8/2006	2-0332		P	104-ext		468 FWTS		2	2		7430003	HEP	RH	9/11/2006	DB	P	VTOK	RH
9/8/2006	2-0333		P	104-106-ext		478 FWTS		2	2		7430003	HEP	RH	9/11/2006	DB	P	VTOK	RH
9/8/2006	2-0334		P	106-ext		491 FWTS		2	2		7430003	HEP	RH	9/11/2006	DB	P	VTOK	RH
9/8/2006	2-0335		P	106-108-ext		501 FWTS		2	2		7430003	HEP	RH	9/11/2006	DB	P	VTOK	RH
9/8/2006	2-0336		P	108-ext		514 FWTS		2	2		7430003	HEP	RH	9/11/2006	DB	P	VTOK	RH
9/8/2006	2-0337		P	108-109-ext		524 FWTS		4	2		7430003	HEP	RH	9/11/2006	DB	P	VTOK	RH
9/8/2006	2-0338		P	109-ext		537 FWTS		2	2		7430003	HEP	RH	9/11/2006	DB	P	VTOK	RH
9/8/2006	2-0339		P	109-111-ext		547 FWTS		4	2		7403	SM	RH	9/11/2006	DB	P	VTOK	RH
9/8/2006	2-0340		P	111-ext		559 FWTS		2	2		7403	SM	RH	9/11/2006	DB	P	VTOK	RH

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WSI Welded Services Of Florida Inc.

Repair Summary Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction
Installer: Comanco Environemental Services

Primary / Secondary: Primary Series: 2

Repair Date	Repair ID	DS No	Repair Type	Location				Size			Welder I.D.		QA ID	Non-Destructive Testing				
				Seam	Panel	Distance (ft.)	Offset (ft.)	Length (ft.)	Width (ft.)	Dia. (ft.)	Mach ID	Oper ID		Date	Oper ID	Result (p/f)	Action	QA ID
9/8/2006	2-0341		P	111-113-ext		569 FWTS		2	2		7403	SM	RH	9/11/2006	DB	P	VTOK	RH
9/8/2006	2-0342		P	113-ext		582 FWTS		2	2		7403	SM	RH	9/11/2006	DB	P	VTOK	RH
9/8/2006	2-0343		P	113-114-ext		592 FWTS		2	2		7403	SM	RH	9/11/2006	DB	P	VTOK	RH
9/8/2006	2-0344		P	114-ext		605 FWTS		2	2		7403	SM	RH	9/11/2006	DB	P	VTOK	RH
9/8/2006	2-0345		C	116-114-118-ext		615 FWTS		45	2		7403	SM	RH	9/11/2006	DB	P	VTOK	RH
9/11/2006	2-0346		P	118-127-ext		661 FWTS		2	2		7430003	HEP	RH	9/11/2006	DB	P	VTOK	RH
9/11/2006	2-0347		P	127-ext		670 FWTS		4	2		7430003	HEP	RH	9/11/2006	DB	P	VTOK	RH
9/11/2006	2-0348		P	127-ext		673 FWTS		2	2		7430003	HEP	RH	9/11/2006	DB	P	VTOK	RH
9/11/2006	2-0349		P	127-128-ext		684 FWTS		2	2		7403	SM	RH	9/11/2006	DB	P	VTOK	RH
9/11/2006	2-0350		P	128-ext		690 FWTS		2	2		7403	SM	RH	9/11/2006	DB	P	VTOK	RH
9/11/2006	2-0351		P	128-ext		700 FWTS		2	2		7403	SM	RH	9/11/2006	DB	P	VTOK	RH
9/11/2006	2-0352		P	128-129-ext		707 FWTS		2	2		7403	SM	RH	9/11/2006	DB	P	VTOK	RH

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Destructive Test Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Test Reqs: Fusion: Peel Inside: 78 Peel Outside: 78 Shear: 120
Extrusion: Peel: 70 Shear: 108

Primary / Secondary: Primary Series: 2 MaterialType: 1

Sample Data									Test Data							
Samp No	Weld Type	Track Type	Location Seam	Location Dist. (ft.)	Mach ID	Oper ID	Date Samp		Peel Inside	Peel Outside	Shear	Unit ppi/psi	Result (P/F)	QA ID	Re test 1	Re test 2
2-001	F	D	0002-0019	6 FSAT	75200015	FL	8/17/2006	Lab	122	133	151	PPI	P	RH	-	-
								Field	115	121	143	PPI	P	RH		
2-002	F	D	0017-0020	70 FWT	75200020	HEP	8/17/2006	Lab	129	140	158	PPI	P	RH	-	-
								Field	118	112	145	PPI	P	RH		
2-003	F	D	0020-0022	50 FWTS	7521	AM	8/21/2006	Lab	140	144	188	PPI	P	RH	-	-
								Field	123	131	161	PPI	P	RH		
2-004	F	D	0022-0023	62 FWT	75200015	BR		Lab	129	136	180	ppi	p	RH	-	-
								Field	116	113	147	PPI	P	RH		
2-005	F	D	0023-0024	50 FWT	75200020	HEP	8/21/2006	Lab	131	134	185	PPI	P	RH	-	-
								Field	115	122	138	PPI	P	RH		
2-006	F	D	0024-0025	50 FWT	7515	PGM	8/21/2006	Lab	134	136	185	PPI	P	RH	-	-
								Field	132	118	144	PPI	P	RH		
2-007	F	D	0026-0027	50 FWTS	75200015	BR	8/21/2006	Lab	141	129	181	PPI	P	RH	-	-
								Field	123	121	150	PPI	P	RH		
2-008	F	D	0027-0028	50 FWT	75200020	HEP	8/21/2006	Lab	129	123	164	PPI	P	RH	-	-
								Field	118	115	140	PPI	P	RH		
2-009	F	D	0028-0029	50 FWT	7515	PGM	8/21/2006	Lab	130	125	178	PPI	P	RH	-	-
								Field	125	127	143	PPI	P	RH		
2-010	F	D	0029-0030	50 FWT	75200015	BR	8/21/2006	Lab	137	131	175	PPI	P	RH	-	-
								Field	112	116	138	PPI	P	RH		
2-011	F	D	0030-0031	10 FWT	75200020	HEP	8/21/2006	Lab	128	123	167	PPI	P	RH	-	-
								Field	127	119	148	PPI	P	RH		

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Destructive Test Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Test Reqs: Fusion: Peel Inside: 78 Peel Outside: 78 Shear: 120
Extrusion: Peel: 70 Shear: 108

Primary / Secondary: Primary Series: 2 MaterialType: 1

Sample Data									Test Data							
Samp No	Weld Type	Track Type	Location		Mach ID	Oper ID	Date Samp		Peel		Shear	Unit ppi/psi	Result (P/F)	QA ID	Re test 1	Re test 2
			Seam	Dist. (ft.)					Inside	Outside						
2-012	E	S	0024-ext	103 FSA	7403	HEP	8/22/2006	Lab	153	NA	157	PPI	P	RH	-	-
								Field	133	117	144	PPI	P	RH		
2-013	F	D	0031-0032	00 FWT	75200020	HEP	8/23/2006	Lab	128	139	183	PPI	P	RH	-	-
								Field	117	129	155	PPI	P	RH		
2-014	F	D	0032-0033	00 FWT	74300009	PGM	8/23/2006	Lab	143	136	190	PPI	P	RH	-	-
								Field	118	114	151	PPI	P	RH		
2-015	F	D	0033-0034	70 FWT	75200015	RR	8/23/2006	Lab	136	137	180	PPI	P	RH	-	-
								Field	115	112	150	PPI	P	RH		
2-016	F	D	0035-0036	50 FWT	75200020	HEP	8/23/2006	Lab	136	113	177	PPI	P	RH	-	-
								Field	112	122	154	PPI	P	RH		
2-017	F	D	0036-0037	43 FWT	75200015	RR	8/23/2006	Lab	144	134	180	PPI	P	RH	-	-
								Field	121	123	144	PPI	P	RH		
2-018	F	D	0037-0038	45 FWT	75200009	PGM	8/23/2006	Lab	125	126	181	PPI	P	RH	-	-
								Field	120	110	147	PPI	P	RH		
2-019	F	D	0038-0039	50 FWT	7521	AM	8/23/2006	Lab	135	124	184	PPI	P	RH	-	-
								Field	121	113	152	PPI	P	RH		
2-020	F	D	0040-0041	32 FWT	75200015	RR	8/23/2006	Lab	143	137	184	PPI	P	RH	-	-
								Field	126	122	146	PPI	P	RH		
2-021	F	D	0041-0042	25 FWT	75200009	PGM	8/23/2006	Lab	130	128	184	PPI	P	RH	-	-
								Field	120	121	152	PPI	P	RH		
2-022	F	D	0020-0043	50 FSA	75200020	HEP	8/28/2006	Lab	135	133	165	PPI	P	RH	-	-
								Field	120	125	135	PPI	P	RH		

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Destructive Test Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Test Reqs: Fusion: Peel Inside: 78 Peel Outside: 78 Shear: 120
Extrusion: Peel: 70 Shear: 108

Primary / Secondary: Primary Series: 2 MaterialType: 1

Sample Data									Test Data								
Samp No	Weld Type	Track Type	Location		Mach ID	Oper ID	Date Samp		Peel		Shear	Unit ppi/psi	Result (P/F)	QA ID	Re test 1	Re test 2
			Seam	Dist. (ft.)					Inside	Outside						
2-023	F	D	0043-0044	50 FSA	75200015	RR	8/28/2006	Lab	133	135	183	PPI	P	RH	-	-
								Field	116	116	141	PPI	P	RH		
2-024	F	D	0044-0045	50 FSA	7521	AM	8/28/2006	Lab	126	132	180	PPI	P	RH	-	-
								Field	116	118	141	PPI	P	RH		
2-025	F	D	0045-0046	50 FSA	75200009	PGM	8/28/2006	Lab	126	141	182	PPI	P	RH	-	-
								Field	116	113	137	PPI	P	RH		
2-026	F	D	0046-0047	05 FSA	7547	JM	8/28/2006	Lab	144	125	194	PPI	P	RH	-	-
								Field	118	124	156	PPI	P	RH		
2-027	F	D	0048-0049	50 FSAT	7521	AM	8/28/2006	Lab	132	132	182	PPI	P	RH	-	-
								Field	114	113	148	PPI	P	RH		
2-028	F	D	0049-0050	50 FSA	75200009	PGM	8/28/2006	Lab	130	129	184	PPI	P	RH	-	-
								Field	122	121	155	PPI	P	RH		
2-029	F	D	0051-0052	50 FEAT	7521	AM	8/28/2006	Lab	129	127	181	PPI	P	RH	-	-
								Field	119	116	160	PPI	P	RH		
2-030	F	D	0056-0057	11 N 58	75200020	HEP	8/28/2006	Lab	162	160	168	PPI	P	RH	-	-
								Field	141	139	150	PPI	P	RH		
2-031	F	D	0062-0063	50 FEAT	7521	AM	8/28/2006	Lab	136	136	191	PPI	P	RH	-	-
								Field	127	128	162	PPI	P	RH		
2-032	F	D	0050-066	00 FSA	75200009	JD	8/28/2006	Lab	139	129	187	PPI	P	RH	-	-
								Field	125	121	161	PPI	P	RH		
2-033	F	D	0066-0067	50 FSA	7521	AM	8/28/2006	Lab	125	123	191	PPI	P	RH	-	-
								Field	121	123	158	PPI	P	RH		

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Destructive Test Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Test Reqs: Fusion: Peel Inside: 78 Peel Outside: 78 Shear: 120
Extrusion: Peel: 70 Shear: 108

Primary / Secondary: Primary Series: 2 MaterialType: 1

Sample Data								Test Data								
Samp No	Weld Type	Track Type	Location Seam	Location Dist. (ft.)	Mach ID	Oper ID	Date Samp		Peel Inside	Peel Outside	Shear	Unit ppi/psi	Result (P/F)	QA ID	Re test 1	Re test 2
2-034	F	D	0067-0068	79	FSA	75200026	HEP	8/28/2006	Lab	126	139	192	PPI	P	RH	-	-
									Field	119	120	153	PPI	P	RH		
2-035	F	D	0042-0076	75	FWT	75200026	HEP	9/3/2006	Lab	137	160	188	PPI	P	RH	-	-
									Field	123	121	147	PPI	P	RH		
2-036	F	D	0076-0077	50	FWT	75200009	PGM	9/3/2006	Lab	128	128	187	PPI	P	RH	-	-
									Field	131	117	150	PPI	P	RH		
2-037	F	D	0077-0078	50	FWT	7521	AM	9/3/2006	Lab	130	131	194	PPI	P	RH	-	-
									Field	117	119	142	PPI	P	RH		
2-038	F	D	0078-0079	50	FWT	75200015	RR	9/3/2006	Lab	130	130	184	PPI	P	RH	-	-
									Field	114	119	147	PPI	P	RH		
2-039	F	D	0083-0084	26	FNTS	75200026	HEP	9/3/2006	Lab	126	133	181	PPI	P	RH	-	-
									Field	122	127	155	PPI	P	RH		
2-040	F	D	0086-0079	73	FWT	75200015	RR	9/3/2006	Lab	146	148	166	PPI	P	RH	-	-
									Field	115	121	157	PPI	P	RH		
2-041	F	D	0100-0095	56	FNW	75200026	HEP	9/3/2006	Lab	146	141	161	PPI	P	RH	-	-
									Field	120	117	138	PPI	P	RH		
2-042	F	D	0090-0091	23	FNTS	75200015	RR	9/3/2006	Lab	145	140	185	PPI	P	RH	-	-
									Field	124	124	151	PPI	P	RH		
2-043	E	S	0099-ext	61	FSA	74300003	HEP	9/4/2006	Lab	154	NA	161	PPI	P	RH	-	-
									Field	117	NA	148	PPI	P	RH		
2-044	E	S	0089-ext	10	FWT	7427	PGM	9/4/2006	Lab	164	NA	161	PPI	P	RH	-	-
									Field	148	NA	153	PPI	P	RH		

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Destructive Test Log

Project: JED Solid Waste Facilty
Location: 1501 Omni Way St.Cloud Florida 34773 ProjNo: FQ-0952 TaskNo: 01
Description: Cell 3 Construction

Test Reqs: Fusion: Peel Inside: 78 Peel Outside: 78 Shear: 120
Extrusion: Peel: 70 Shear: 108

Primary / Secondary: Primary Series: 2 MaterialType: 1

Sample Data									Test Data							
Samp No	Weld Type	Track Type	Location		Mach ID	Oper ID	Date Samp		Peel		Shear	Unit ppi/psi	Result (P/F)	QA ID	Re test 1	Re test 2
			Seam	Dist. (ft.)					Inside	Outside						
2-045	F	D	0040-0101	80 FSA	75200020	HEP	9/6/2006	Lab	148	157	177	PPI	P	RH	-	-
								Field	118	122	154	PPI	P	RH		
2-046	F	D	0102-0104	50 FSA	7521	AM	9/7/2006	Lab	123	144	184	PPI	P	RH	-	-
								Field	140	123	162	PPI	P	RH		
2-047	F	D	0104-0105	11 E 102	75200015	HEP	9/7/2006	Lab	143	142	164	PPI	P	RH	-	-
								Field	130	119	148	PPI	P	RH		
2-048	F	D	0106-0108	00 FSA	75200015	HEP	9/7/2006	Lab	143	131	185	PPI	P	RH	-	-
								Field	121	143	167	PPI	P	RH		
2-049	F	D	0110-0112	35 FSA	75200009	PGM	9/7/2006	Lab	150	125	183	PPI	P	RH	-	-
								Field	122	137	170	PPI	P	RH		
2-050	F	D	0113-0115	00 FSA	7521	AM	9/7/2006	Lab	127	145	185	PPI	P	RH	-	-
								Field	127	129	168	PPI	P	RH		
2-051	F	D	0067-0117	96 FWT	75200015	HEP	9/7/2006	Lab	142	142	158	PPI	P	RH	-	-
								Field	132	125	166	PPI	P	RH		
2-052	F	D	0118-0123	01 FSA	75200015	HEP	9/7/2006	Lab	161	129	179	PPI	P	RH	-	-
								Field	144	142	176	PPI	P	RH		
2-053	F	D	0129-0134	S SUM	75200009	PGM	9/9/2006	Lab	129	140	187	PPI	P	RH	-	-
								Field	119	126	163	PPI	P	RH		

Comments:

GeoSyntec Consultants Photographic Record	
Client: Waste Services of Florida, Inc	Project Number: FQ 0952
Project Name: Oak Hammock Disposal Facility – Cell 3	
Project Location: Osceola County, Florida	

Photograph 1 Date: 7 June 2006 Direction: North Comments: Dozer spreading general fill for Cell 3 subgrade construction.	
Photograph 2 Date: 15 May 2006 Direction: Southeast Comments: CQA technician performing nuclear moisture/density test.	

GeoSyntec Consultants Photographic Record	
Client: Waste Services of Florida, Inc	Project Number: FQ 0952
Project Name: Oak Hammock Disposal Facility – Cell 3	
Project Location: Osceola County, Florida	

Photograph 3	
Date: 09 June 2006	
Direction: Northwest	
Comments: GPS surveyor setting grade stakes.	

Photograph 4	
Date: 14 July 2006	
Direction: West	
Comments: Dozer w/GPS final grading liner subbase layer on east slope of Cell 3.	

GeoSyntec Consultants Photographic Record	
Client: Waste Services of Florida, Inc	Project Number: FQ 0952
Project Name: Oak Hammock Disposal Facility – Cell 3	
Project Location: Osceola County, Florida	

Photograph 5 Date: 12 July 2006 Direction: West Comments: Geosynthetics anchor trench excavated along southern intercell berm.	
Photograph 6 Date: 31 July 2006 Direction: West Comments: Excavation of Cell 3 sump area.	

GeoSyntec Consultants Photographic Record		
Client: Waste Services of Florida, Inc	Project Number:	FQ 0952
Project Name: Oak Hammock Disposal Facility – Cell 3		
Project Location: Osceola County, Florida		

Photograph 7 Date: 31 July 2006 Direction: Southwest Comments: Licensed surveyor performing as-built survey of Cell 3 sump area.	
Photograph 8 Date: 14 July 2006 Direction: Southwest Comments: Cell 3 construction progress photograph. Liner subbase preparation in foreground.	

GeoSyntec Consultants Photographic Record	
Client: Waste Services of Florida, Inc	Project Number: FQ 0952
Project Name: Oak Hammock Disposal Facility – Cell 3	
Project Location: Osceola County, Florida	

Photograph 9 Date:23 June 2006 Direction: West Comments: Unloading of GCL using forklift with stinger bar.	
Photograph 10 Date: 15 Aug 2006 Direction: West Comments: Staging of geocomposite rolls.	

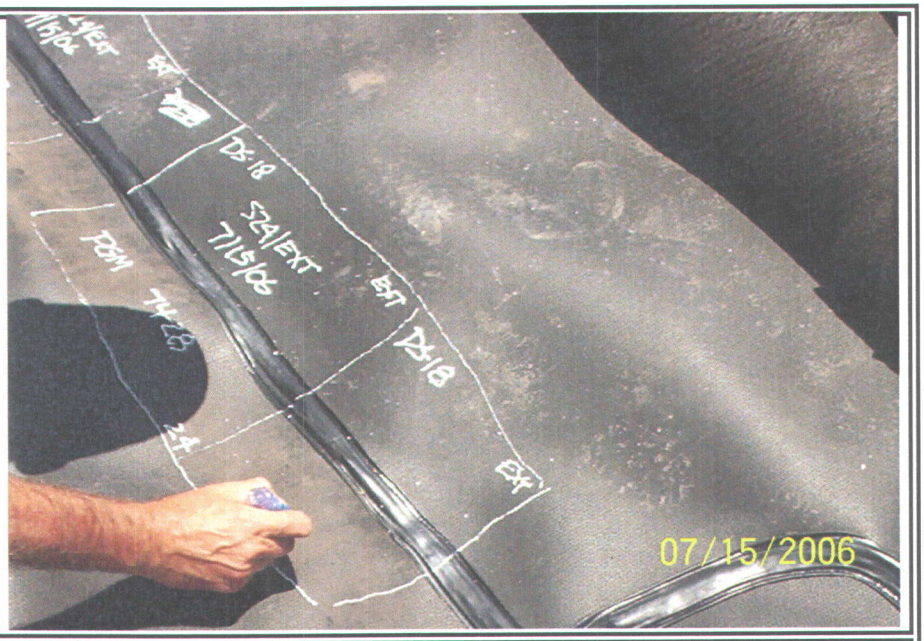
GeoSyntec Consultants Photographic Record	
Client: Waste Services of Florida, Inc	Project Number: FQ 0952
Project Name: Oak Hammock Disposal Facility – Cell 3	
Project Location: Osceola County, Florida	

Photograph 11 Date: 17 July 2006 Direction: West Comments: Installation of secondary GCL over prepared subbase along western side of Cell 3.	
Photograph 12 Date: 2 Aug 2006 Direction: North Comments: Deployment of secondary geomembrane liner.	

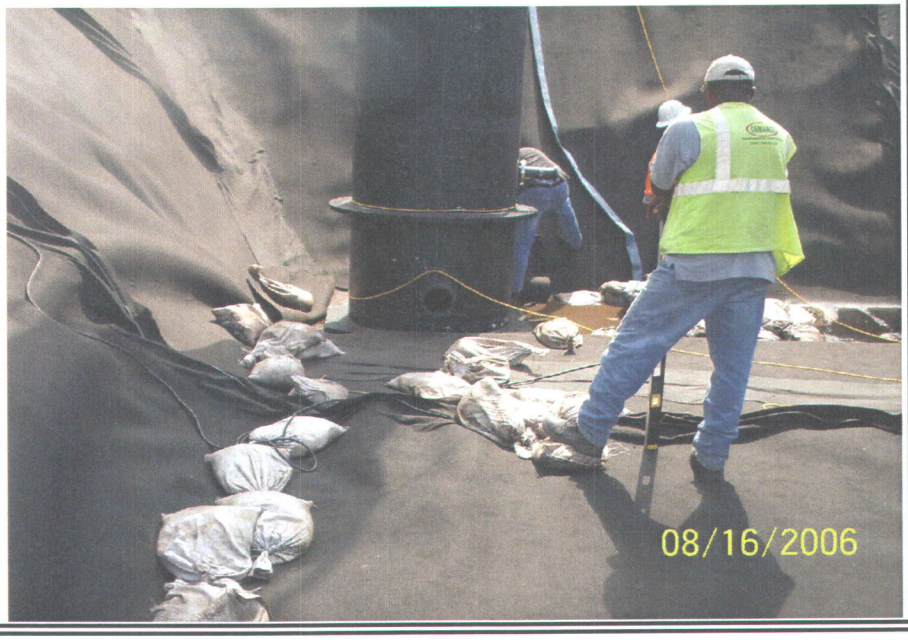
GeoSyntec Consultants Photographic Record	
Client: Waste Services of Florida, Inc	Project Number: FQ 0952
Project Name: Oak Hammock Disposal Facility – Cell 3	
Project Location: Osceola County, Florida	

Photograph 13 Date: 15 July 2006 Direction: North Comments: Extrusion welding of geomembrane panels along Cell 3/Cell 4 tie in.	
Photograph 14 Date: 19 Aug 2006 Direction: NA Comments: Vacuum box testing of extrusion welded seam.	

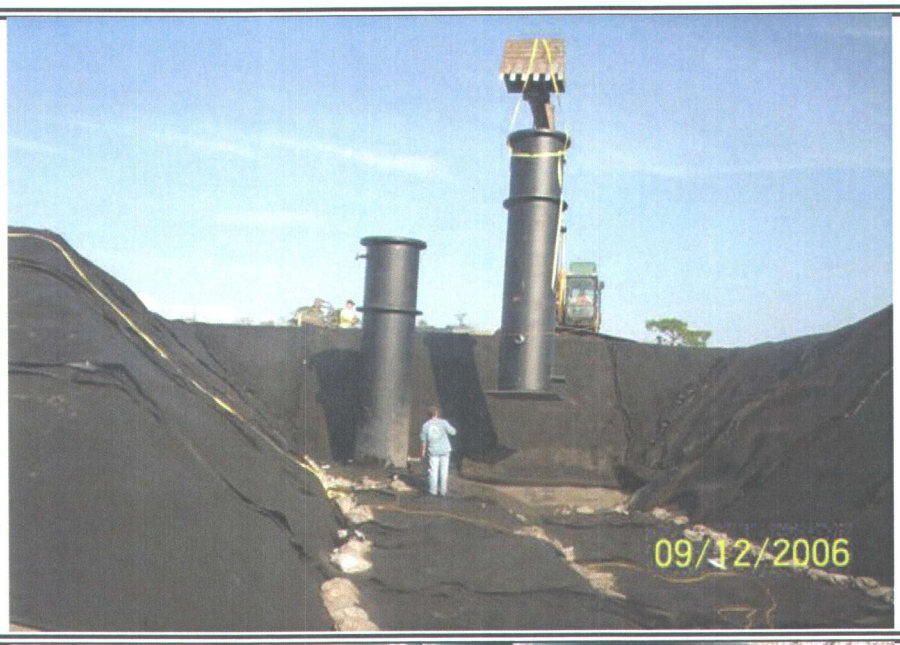
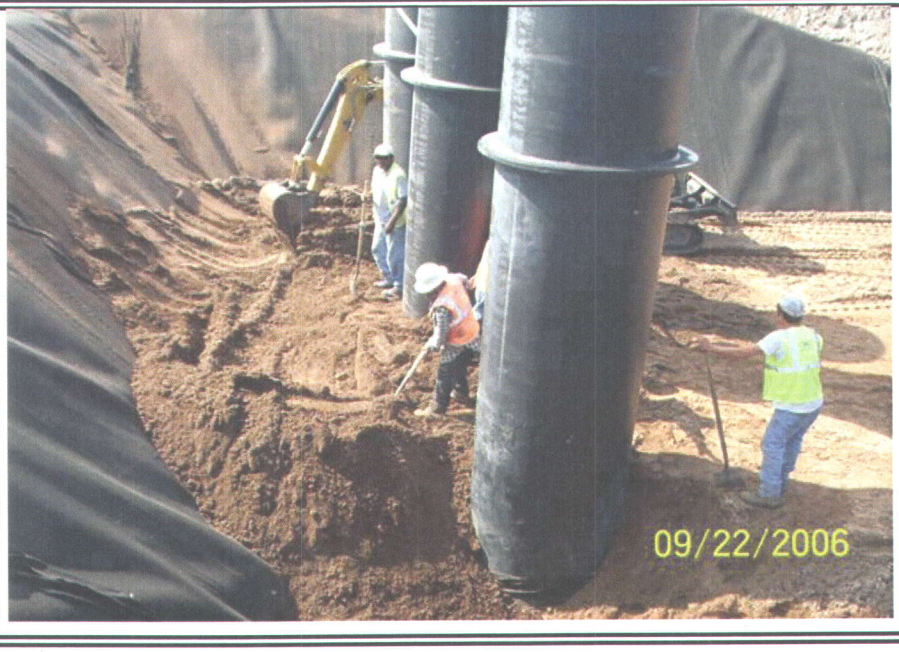
GeoSyntec Consultants Photographic Record	
Client: Waste Services of Florida, Inc	Project Number: FQ 0952
Project Name: Oak Hammock Disposal Facility – Cell 3	
Project Location: Osceola County, Florida	

Photograph 15	
Date: 15 July 2006	
Direction: NA	
Comments: CQA Technician marking destructive seam sample on extrusion welded seam.	
Photograph 16	
Date: 16 Aug 2006	
Direction: NA	
Comments: Attachment of geonet components of adjacent geocomposite panels using nylon cable ties.	

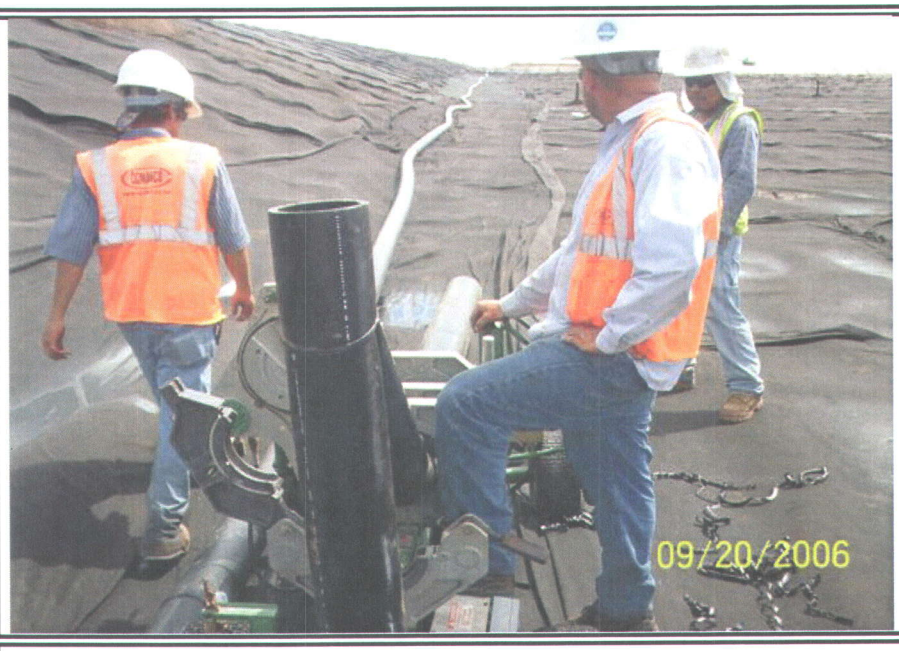
GeoSyntec Consultants Photographic Record	
Client: Waste Services of Florida, Inc	Project Number: FQ 0952
Project Name: Oak Hammock Disposal Facility – Cell 3	
Project Location: Osceola County, Florida	

Photograph 17 Date: 16 Aug 2006 Direction: NA Comments: Continuous sewing of upper geotextile component of adjacent geocomposite panels.	
Photograph 18 Date: 16 Aug 2006 Direction: East Comments: Installation of secondary sump riser within Cell 3 sump area.	

GeoSyntec Consultants Photographic Record	
Client: Waste Services of Florida, Inc	Project Number: FQ 0952
Project Name: Oak Hammock Disposal Facility – Cell 3	
Project Location: Osceola County, Florida	

Photograph 19 Date: 12 Sep 2006 Direction: East Comments: Setting of primary sump riser within Cell 3 sump area.	
Photograph 20 Date: 22 Sep 2006 Direction: South Comments: Placement of general fill around sump risers within Cell 3 sump area.	

GeoSyntec Consultants Photographic Record	
Client: Waste Services of Florida, Inc	Project Number: FQ 0952
Project Name: Oak Hammock Disposal Facility – Cell 3	
Project Location: Osceola County, Florida	

Photograph 21 Date: 20 Sep 2006 Direction: South Comments: Thermal butt fusion welding of HDPE leachate collection piping.	
Photograph 22 Date: 18 Sep 2006 Direction: North Comments: Placement of drainage gravel for the central leachate collection drain Within Cell 3.	

GeoSyntec Consultants Photographic Record	
Client: Waste Services of Florida, Inc	Project Number: FQ 0952
Project Name: Oak Hammock Disposal Facility – Cell 3	
Project Location: Osceola County, Florida	

Photograph 23 Date: 15 Sep 2006 Direction: North Comments: Placement of protective cover soils within Cell 3.	
Photograph 24 Date: 4 Oct 2006 Direction: West Comments: Installation of control panel at Cell 3 sump area.