



Florida Department of Environmental Protection

Central District
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Herschel T. Vinyard, Jr.
Secretary

February 22, 2012

ELECTRONIC MAIL

lm Marion@co.volusia.fl.us

Mr. Lenny Marion
Solid Waste Director
3151 East State Road 44
DeLand, FL 32724

OCD-SW-12-062

Volusia County - SW
Tomoka Farms Road Landfill WACS # 27540
Class I - Permit # S064-0078767-023
Transmittal of Inspection Report

Dear Mr. Marion:

On January 26, 2012, a representative of the Florida Department of Environmental Protection conducted an inspection at the above referenced facility to determine the status of compliance with solid waste regulations. The results of the inspection indicated that the facility was not in compliance.

A copy of the inspection report is attached. Additional comments are as follows:

1. During the inspection leachate was observed in the containment berm. This issue and corrective action was previously addressed in a response from HDR Engineering, Inc., dated October 20, 2011.

Subsequent to the inspection, the facility sent an email stating that the sedimentation was cleared allowing leachate to drain. Please submit a response to the Department identifying the cause of this recent reoccurrence and propose corrective actions to prevent future occurrences.

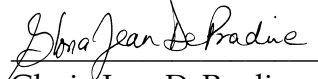
2. An excessive amount of waste was protruding through the cover located at the upper areas of the Class I landfill north side slopes. An area of the side slopes is also greater than a 3:1 (vertical:horizontal) ratio. These slopes must be corrected once the gas system expansion work in this area is completed. In the meantime, please ensure that the required amount of cover is applied to this area.

Mr. Marion
Tomoka Farms Rd Landfill
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Please complete the corrective actions to address the deficiencies referenced above in item 1 within 15 days of receipt of this letter. You may contact me by telephone at (407) 897-4312 or by

e-mail at gloria.depradine@dep.state.fl.us or contact Brad Whidden at (407) 897-4315 or by e-mail at Brad.Whidden@dep.state.fl.us if you have any questions or need additional information.

Sincerely,



Gloria-Jean DePradine
Compliance and Enforcement Supervisor

GD/bw

Attachment: Solid Waste Inspection Report

cc: Jennifer Stirk, Volusia County, jstirk@co.volusia.fl.us



Florida Department of
Environmental Protection
Inspection Checklist

FACILITY INFORMATION:

Facility Name: TOMOKA FARMS ROAD LANDFILL

On-Site Inspection Start Date: 01/26/2012

On-Site Inspection End Date: 01/26/2012

WACS No.: 27540

Facility Street Address: 1990 TOMOKA FARMS ROAD

City: PORT ORANGE

County Name: VOLUSIA

Zip: 32128

INSPECTION PARTICIPANTS:

(Include ALL Landfill and Department Personnel with Corresponding Titles)

Principal Inspector: Brad Whidden, Inspector

Other Participants: Jennifer Stirk, Environmental Specialist III; Chet Purves, Supervisor

INSPECTION TYPE:

Routine Operation Inspection for Landfill - Class I facility

Routine Operation Inspection for Landfill - Class III facility

Routine Closure Inspection for Landfill - Class I Closed - Long Term Care facility

Routine Operation Inspection for Other Facilities - Source-Separated Organics (SOPF) facility

ATTACHMENTS TO THE INSPECTION CHECK LIST:

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

SECTION 1.0 - FILE REVIEW

SECTION 2.0 - LANDFILL OPERATION AND MAINTENANCE

SECTION 3.0 - LANDFILL - CLOSED

Inspection Date: 01/26/2012

SECTION 1.0 - FILE REVIEW

Requirements:

The requirements listed in this section provide an opportunity for the Department's inspector to indicate the conditions found at the time of the inspection. A "Not Ok" response to a requirement indicates either a potential violation of the corresponding rule or an area of concern that requires more attention. Both potential violations and areas of concern are discussed further at the end of this inspection report.

Item No.	FILE REVIEW (Pre- or Post-Inspection, as appropriate.) Completed	Ok	Not Ok	Unk	N/A
1.1	For landfills and C&D disposal facilities, does the facility have a current plan for the method and sequence of filling wastes? 62-701.500(2)(f) for landfills; 62-701.730(7)(a) for C&D debris sites	✓			
1.2	For landfills, are the following records being reported to the Department?(Check any that are Not OK) <input type="checkbox"/> Waste reports (annually) 62-701.500(4) <input type="checkbox"/> Annual estimate of remaining life 62-701.500(13)(c)	✓			
1.3	Is leachate sampled, tested and disposed as required? 62-701.500(8)(a), 62-701.510(6)(c)	✓			
1.4	Is gas monitoring being performed as required by the permit? 62-701.500(9), 62-701.530(2)	✓			
1.5	Are the results of the gas sampling reported to the Department quarterly? 62-701.530(2)(c)	✓			
1.6	Is water quality sampling and testing performed according to standard procedures and at the required frequencies? 62-701.510(2) for landfills; 62-701.730(4)(b) and (10) for C&D debris sites; 62-713.400(3) for stationary soil treatment facilities.	✓			
1.7	Do the results of the water quality testing suggest there may be adverse impacts to water quality from the operation of the solid waste facility? 62-701.510(3) and (4); 62-701.730(4)(c) and (10) for C&D debris sites; 62-713.400(3) for stationary soil treatment facilities.			✓	
1.8	For closed landfills and C&D disposal facilities with final elevations higher than 20 feet above grade, has a final survey report verifying the final elevations and contours of the facility been submitted to the Department? 62-701.600(6)(b), 62-701.730(9)(d)	✓			
1.9	Is financial assurance adequate? 62-701.630 for landfills; 62-701.710(7)(a) and (10)(a) for waste processing facilities; 62-701.730(11)(a) for C&D debris facilities; 62-713.600(6)(a) for stationary soil treatment facilities; 62-711.500(3) for waste tire facilities. NOTE: The Solid Waste Financial Coordinator in Tallahassee can assist with this information.	✓			
1.10	Are cost estimates current and adjusted every year? 62-701.630(4) for landfills; 62-701.710(7)(b) and (10)(a) for waste processing facilities; 62-701.730(11)(b) and (c) for C&D debris facilities; 62-713.600(6)(b) and (c) for stationary soil treatment facilities; 62-711.500(3) for waste tire facilities.	✓			
1.11	For C&D debris disposal and disposal with recycling facilities, is an Annual Report submitted to the Department for the disposal operation by April 1st of each year? 62-701.730(12)				✓
1.12	For C&D recycling facilities with no disposal, is an Annual Report for the recycling facility submitted to the Department by April 1st of each year? 62-701.710(9)(b)				✓
1.13	For compost facilities, has the compost product been sampled and analyzed every 20,000 tons or every 3 months (whichever is sooner)? 62-709.530(1)				✓
1.14	For compost facilities, has the annual report been submitted by June 1st? 62-709.530(3)				✓

Inspection Date: 01/26/2012

SECTION 2.0 - LANDFILL OPERATION AND MAINTENANCE

Requirements:

The requirements listed in this section provide an opportunity for the Department's inspector to indicate the conditions found at the time of the inspection. A "Not Ok" response to a requirement indicates either a potential violation of the corresponding rule or an area of concern that requires more attention. Both potential violations and areas of concern are discussed further at the end of this inspection report.

Item No.	SOLID WASTE PROHIBITIONS (unless "grandfathered" in, see 62-701.300(18)) Completed	Ok	Not Ok	Unk	N/A
2.1.1	Unauthorized storage, processing, or disposal of solid waste except as authorized at a permitted solid waste management facility or other exempt facility. 62-701.300(1)(a)	✓			
2.1.2	Unauthorized disposal or storage prohibited, except yard trash, within 500 feet of a potable water well? 62-701.300(2)(b)	✓			
2.2	Unauthorized storage or disposal of yard trash prohibited within the minimum setbacks of (Check any that are Not OK) 62-701.300(12) <input type="checkbox"/> 100 feet from potable water wells (except on-site)? <input type="checkbox"/> 50 feet from water bodies?	✓			
2.3	Unauthorized disposal or storage prohibited in any natural or artificial body of water including ground water and wetlands? (Does not apply to standing water after a storm event.) 62-701.300(2)(d)	✓			
2.4	Unauthorized disposal or storage prohibited, except yard trash, within 200 feet of any natural or artificial body of water, including wetlands without permanent leachate controls, except impoundments or conveyances which are part of an on-site, permitted stormwater management system or on-site water bodies with no off-site discharge? 62-701.300(2)(e)	✓			
2.5	Unauthorized open burning of solid waste prohibited except in accordance with Department requirements? 62-701.300(3)	✓			
2.6	Are the following unauthorized wastes or special wastes properly controlled, managed and disposed? (Check any that are Not OK) <input type="checkbox"/> Hazardous waste 62-701.300(4) <input type="checkbox"/> Biomedical waste 62-701.300(6) <input type="checkbox"/> Yard trash 62-701.300(8)(c) <input type="checkbox"/> Whole waste tires 62-701.300(8)(e) <input type="checkbox"/> Regulated asbestos waste 62-701.520(3), 62-701.730(19) <input type="checkbox"/> Used oil and oily wastes, except as exempted 62-701.300(11) <input type="checkbox"/> PCB wastes 62-701.300(5) <input type="checkbox"/> Lead-acid batteries 62-701.300(8)(a) <input type="checkbox"/> White goods 62-701.300(8)(d) <input type="checkbox"/> Liquids 62-701.300(10) <input type="checkbox"/> CCA treated wood 62-701.300(14)	✓			
2.7	Are only permitted waste types disposed at facility? 62-701.340(2), 62-701.500(6)(a), 62-701.500(2)(c)	✓			

Item No.	LANDFILL OPERATION AND MAINTENANCE Completed	Ok	Not Ok	Unk	N/A
2.8	Is there a trained operator on-site at Class I and III landfills when receiving wastes? 62-701.500(1)	✓			
2.9	Is there at least one trained spotter at each working face when receiving wastes at Class I and III landfills? 62-701.500(1)	✓			
2.10	Are the following records or plans current and available on-site? (Check any that are Not OK) <input type="checkbox"/> Training Plan 62-701.320(15)(a) <input type="checkbox"/> Operating Plan 62-701.500(2) <input type="checkbox"/> Waste weight records 62-701.500(4) <input type="checkbox"/> Precipitation records 62-701.500(8)(g)	✓			

Inspection Date: 01/26/2012

Item No.	LANDFILL OPERATION AND MAINTENANCE Completed	Ok	Not Ok	Unk	N/A
2.10	<input type="checkbox"/> Load-checking program records 62-701.500(6)(a) <input type="checkbox"/> Training records 62-701.320(15)(a) <input type="checkbox"/> Operation record 62-701.500(3) <input type="checkbox"/> Quantity of leachate 62-701.500(8)(f)	✓			
2.11	Is the operation plan substantially followed? 62-701.500(2)	✓			
2.12	Is incoming waste weighed? 62-701.500(4)(a) and (2)(d)	✓			
2.13	Is the method and sequence of filling waste according to plans? 62-701.500(2)(f)	✓			
2.14	Is access properly controlled to prevent unauthorized waste disposal? 62-701.500(5)	✓			
2.15	Is waste compacted as required? 62-701.500(7)(a)	✓			
2.16	Are the working face and side slopes above ground graded to a slope no greater than 3 feet horizontal to 1 foot vertical rise? 62-701.500(7)(c)		✓		
2.17	Is a narrow working face practiced? 62-701.500(7)(d)	✓			
2.18	Is the frequency, amount and quality of initial cover, as required? 62-701.500(7)(e)		✓		
2.19	Is the frequency, amount and quality of intermediate cover, as required? 62-701.500(7)(f)	✓			
2.20	Is litter controlled and are litter control devices maintained? 62-701.500(7)(i) and (11)(f)	✓			
2.21	Is erosion control adequate? 62-701.500(7)(j)	✓			
2.22	Is the leachate collection and removal system maintained and operated as required? 62-701.500(2)(j), 62-701.500(8)(b) and (h)	✓			
2.23	Is leachate disposed of or treated as required? 62-701.500(8)(b), (c) and (d)	✓			
2.24	If leachate recirculation is practiced at the facility, is it done in accordance with Department requirements and the Operation Plan? 62-701.400(5)				✓
2.25	Is gas controlled to not cause objectionable odors beyond the property boundary? 62-701.530(3)(b)	✓			
2.26	Is gas controlled to not allow combustible gas concentrations to exceed specified limits? 62-701.530(3)(a)	✓			
2.27	Are gas vents intact and functioning properly? 62-701.500(9), 62-701.530(1)(a)3	✓			
2.28	Is mixing of leachate and stormwater prevented or minimized? 62-701.500(10), 62-701.400(9)(c)	✓			
2.29	Is stormwater management system maintained and operated as required? 62-701.500(10)	✓			
2.30	Is there sufficient operating equipment? 62-701.500(11)(a)	✓			
2.31	Is there sufficient reserve equipment (or other arrangements)? 62-701.500(11)(b)	✓			
2.32	Are communication facilities adequate? 62-701.500(11)(c)	✓			
2.33	Are approved dust control methods adequate? 62-701.500(11)(d)	✓			
2.34	Are fire protection and fire fighting capabilities adequate and operational? 62-701.500(11)(e)	✓			
2.35	Are there required signs for operational directions and public information? 62-701.500(11)(g)	✓			
2.36	Are all-weather access roads and inside perimeter roads properly maintained? 62-701.500(12)	✓			
2.37	Are ground water wells intact and properly maintained? 62-701.510(2)(b), 62-701.620(8)	✓			
2.38	Are all additional specific conditions (not otherwise addressed above) in the permit, Department order, or certification, if any, being followed? 62-701.320(1), 403.161, F.S.	✓			

Inspection Date: 01/26/2012

SECTION 3.0 - LANDFILL - CLOSED

Requirements:

The requirements listed in this section provide an opportunity for the Department's inspector to indicate the conditions found at the time of the inspection. A "Not Ok" response to a requirement indicates either a potential violation of the corresponding rule or an area of concern that requires more attention. Both potential violations and areas of concern are discussed further at the end of this inspection report.

Type of Cover: Geosynthetic Cap

Closure/Final Cover Date: 12/17/2003

Post-Closure Utilization: None

Surrounding Land Use: Existing Landfill

Date Long-Term Care Began: 12/17/2003

Item No.	LANDFILL - CLOSED Completed	Ok	Not Ok	Unk	N/A
3.1	Is site access controlled to prevent any unauthorized dumping? 62-701.600(3)(i)	✓			
3.2	Are any unauthorized wastes stored or disposed at the site? 62-701.600(3)(i)	✓			
3.3	Is stormwater management system maintained and operated as required? 62-701.600(3)(h)	✓			
3.4	Is the final cover properly vegetated? 62-701.600(3)(f)2	✓			
3.5	Are there any signs of erosion of the final cover? 62-701.620(1)	✓			
3.6	Is there any evidence of damage to the barrier layer of the final cover? 62-701.620(1)	✓			
3.7	Are areas of differential settlement being properly filled? 62-701.600(3)(f)4	✓			
3.8	Are there any areas of ponding water on the final cover? 62-701.600(3)(f)3	✓			
3.9	Is the leachate collection and removal system maintained and operated as required? 62-701.500(2)(j), 62-701.500(8)(b) and (h)	✓			
3.10	Is leachate disposed of or treated as required? 62-701.500(8)(b), (c) and (d)	✓			
3.11	Are there any signs of leachate seeps at the closed landfill? 62-701.500(8)(b), 62-701.620(1)	✓			
3.12	Condition of the ground water monitoring wells in accordance with the ground water monitoring plan. 62-701.620(1) (Check any that are Not OK) <input type="checkbox"/> Access to monitoring wells <input type="checkbox"/> Damage to monitoring wells <input type="checkbox"/> Monitoring wells protected, secured and labeled.	✓			
3.13	Are the wells for gas monitoring and detection intact and operable? 62-701.620(5)	✓			
3.14	Is the gas collection system (active or passive) operating and maintained? 62-701.620(5) <input type="checkbox"/> Signs of stressed vegetation <input type="checkbox"/> Odors or foul smells	✓			
3.15	Is gas monitoring being conducted as required? 62-701.620(5)	✓			
3.16	Is there any evidence that gas pressure is interfering with or causing failure of the final cover? 62-701.530(1)(a)4	✓			
3.17	If required, are survey monuments properly installed? 62-701.600(6)	✓			
3.18	Is there a potential hazard to public health and the environment resulting from the post-closure utilization of the solid waste disposal facilities or surrounding land-use changes? 62-701.610(1)	✓			
3.19	If waste is being relocated, is this performed according to the Department's requirements? 62-701.610(2)				✓
3.20	Are all additional specific conditions (not otherwise addressed above) in the closure or permit for long-term care, Department order, or certification, if any, being followed? 62-701.620(2), 403.161, F.S.	✓			

Inspection Date: 01/26/2012

Item No.	LANDFILL - CLOSED Completed	Ok	Not Ok	Unk	N/A
3.20		✓			

Current Areas Of Concern:

Area: North Side Slope

Rule: 62-701.500(7)(c)

Question Number: 2.16

Explanation: The side slopes appear greater than a 3:1 (vertical:horizontal) ratio in the area below the previous working face.

Corrective Action: These side slopes must be corrected immediately after the gas system work is complete in this area.

Area: North Side Slope

Rule: 62-701.500(7)(e)

Question Number: 2.18

Explanation: Cover is inadequate in the area of the previous working face with areas of exposed waste.

Corrective Action: An additional layer of cover must be applied to this area to cover exposed waste.

COMMENTS:

01/26/2012

The facility has been in the process of installing 18 vertical gas wells and lateral piping and moving header piping as part of the gas system expansion in preparation for the partial closure of the north cell side slopes. The work started in mid-December. A notification was sent to the Department by HDR Engineering on December 2, 2011.

An area on the north side slopes was previously noted as having inadequate initial cover and needing further compaction. This area has not been addressed and there are areas of exposed waste. Chet Purves stated that the area had not been compacted and graded because the gas expansion work was moving towards the areas downslope. He also said the area is scheduled to be regraded after the gas work to correct a terrace in preparation for partial closure. Chet said that a layer of cover will be applied in the meantime to cover exposed waste. Gas system work is scheduled for the following week in this area.

Leachate was again pooling in the toe drain area on the south side slopes. As in previous inspections, leachate is seeping from the slopes directly above. The leachate is contained within the toe berm, as is intended, but drainage is not effective. A pump is set aside if more leachate accumulates and the toe drain is monitored during storm events. Chet Purves said that the pump was used once in the beginning of December after a storm event.

The class I working face is located on the west side of the cell surface.

Class III landfill and yard trash area:

The class III working face is located on the surface of the northwest corner of the permitted area.

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There was some waste protruding from the cover on the side slopes at the previous working face area adjacent to the haul road. Jennifer Stirk said they have been out of the area for about a week. She said that additional cover will be applied.

Jennifer Stirk said that the facility has been pulling more metals and cardboard from the class III wastestream.

The yard trash area is in good order.

Item No 1.7 marked unknown: The water quality report is reviewed as a separate function and is not deemed part of this inspection report.

ATTACHMENTS:

Class I Overview



Vertical Gas Well Construction



Header Tie-in Construction



North Side Slopes



Inspection Date: 01/26/2012

Toe Drain on South Side Slopes



Toe Drain Leachate Accumulation



Class III Landfill



Yard Trash Area



Inspection Date: 01/26/2012

Signed:Brad Whidden**PRINCIPAL INSPECTOR NAME**Inspector**PRINCIPAL INSPECTOR TITLE***Brad Whidden***PRINCIPAL INSPECTOR SIGNATURE**FDEP**ORGANIZATION**1/30/2012**DATE**Jennifer Stirk**REPRESENTATIVE NAME**Environmental Specialist III**REPRESENTATIVE TITLE**NO SIGNATURE**REPRESENTATIVE SIGNATURE**Volusia County**ORGANIZATION**Chet Purves**REPRESENTATIVE NAME**Supervisor**REPRESENTATIVE TITLE**NO SIGNATURE**REPRESENTATIVE SIGNATURE**Volusia County**ORGANIZATION****Supervisor: Gloria DePradine**

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