



Florida Department of Environmental Protection

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

OCD-SW-10-0524

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

Dear Mr. Marion:

On October 26, 2010, 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. A copy of the inspection report is attached.

At the time of the inspection, the following was noted:

1. Leachate seepage was observed in several areas on the south side slopes of the Class I landfill. The seepage appears to remain within the lined area of the landfill. The facility must continue to take corrective action to prevent leachate seepage in this area.
2. In response to a complaint, it was discovered that the facility uses processed biosolids (N-viro) to fill in dewatering ditches. The Department does not consider this material a solid waste; however, please provide the Department with any analytical results concerning this material. The filling process regarding the use of this material must be outlined in the facility's operation plan.

If you have any questions or need further information, please contact Gloria-Jean DePradine at (407) 893-3328 or by e-mail at Gloria.Depradine@dep.state.fl.us.

Sincerely,

Gloria-Jean DePradine
Compliance and Enforcement Supervisor

Date: November 4, 2010

GD/bw

Attachment: Solid Waste Inspection Report

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



Florida Department of
Environmental Protection
Inspection Checklist

FACILITY INFORMATION:

Facility Name: TOMOKA FARMS ROAD LANDFILL
On-Site Inspection Start Date: 10/26/2010
On-Site Inspection End Date: 10/26/2010
WACS No.: 27540
Facility Street Address: 1990 TOMOKA FARMS ROAD
City: DAYTONA BEACH
County Name: VOLUSIA
Zip: 32114

INSPECTION PARTICIPANTS:

(Include ALL Landfill and Department Personnel with Corresponding Titles)

Principal Inspector: Brad Whidden, Inspector
Other Participants: Chet Purves, Supervisor

INSPECTION TYPE:

Routine Operation Inspection for Landfill - Class I facility
Routine Operation Inspection for Landfill - Class III facility
Routine Operation Inspection for Other Facilities - Source-Separated Organics (SOPF) facility
Routine Operation Inspection for Other Facilities - Waste Tire Site facility
Complaint Investigation Inspection for Other Facilities - Unauthorized Disposal facility
Routine Long Term Care Inspection for Landfill - Class I Closed - Long Term Care 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: 10/26/2010

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: 10/26/2010

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: 10/26/2010

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: 10/26/2010

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: 10/26/2010

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

Current Areas Of Concern:

Rule: 62-701.500(2)(j), 62-701.500(8)(b), 62-701.500(8)(h)

Question Number: 2.22

Explanation: There were leachate seepage areas on the south side slopes. Chet Purves said that these resulted after heavy equipment use during grading activities. The leachate accumulates on a side slope berm and appears to remain in the lined area of the landfill.

Corrective Action: The facility must continue to take action to prevent leachate seepage in this area.

COMMENTS:

10/26/2010

Class I Landfill:

Disposal is now located on the topmost tier. Chet Purves said that the facility is gradually moving the working face towards the east of the tier surface and will then come back towards the west before moving elsewhere.

There were leachate seepage areas present on the south side slopes. Chet Purves said these resulted after a dozer was used for grading activity in this area. Leachate was pooled in areas along a berm approximately 15 feet from the ground. No leachate was seen below this berm and it appears all leachate is contained in the landfill's lined area. Chet said that further use of heavy equipment is not necessary in this area and does not expect sodding activities to impact the area in the same way. Closure activities in this area are planned.

Complaint Investigation:

An anonymous call was made to the Department alleging the facility was placing sludge into the stormwater system. Chet Purves said that the complaint likely resulted from the facility practice of filling in areas of the dewatering ditches as the cell expands. Chet said that a portion is bermed off with clean fill material. The areas in between are filled with a layer of fill material followed by an amount of processed bio-solids from the on-site Florida N-Viro facility. The surface is then covered again with clean fill material. Chet said that as a precaution, the N-Viro product does not come into contact with water in the ditch. Also, water is not pumped from the ditch into the stormwater pond during these filling activities.

Class III Landfill and Yard Trash Area:

Chet Purves said that the disposal will soon shift to the unused northwest area of the cell. A toe berm is constructed around this area and limits of waste markers are in place. Chet expects this to occur within 3-4 weeks. The yard trash area will remain on the landfill surface as will the shingles disposal area.

Closed Class I Landfill:

At the time of inspection, small erosion areas were being addressed.

Inspection Date: 10/26/2010

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



Class I Working Face



South Side Slope Leachate Seepage



Filled Area of Dewatering Ditch



Dewatering Ditch



Florida N-viro



Inspection Date: 10/26/2010

Class III New Disposal Area



Closed Class I Erosion Repair



Inspection Date: 10/26/2010

Signed:

Brad Whidden

PRINCIPAL INSPECTOR NAME

Inspector

PRINCIPAL INSPECTOR TITLE*Brad Whidden***PRINCIPAL INSPECTOR SIGNATURE**

FDEP

ORGANIZATION

11/2/2010

DATE

Chet Purves

REPRESENTATIVE NAME

Supervisor

REPRESENTATIVE TITLE

NO SIGNATURE

REPRESENTATIVE SIGNATURE

Volusia County

ORGANIZATION

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