



**FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION**

CENTRAL DISTRICT  
3319 MAGUIRE BOULEVARD, SUITE 232  
ORLANDO, FLORIDA 32803

RICK SCOTT  
GOVERNOR

CARLOS LOPEZ-CANTERA  
LT. GOVERNOR

HERSCHEL T. VINYARD JR.  
SECRETARY

May 27, 2014

Lenny Marion, Solid Waste Director  
Volusia County Solid Waste Division  
3151 East State Road 44  
DeLand, FL 32724  
[lm Marion@volusia.org](mailto:lm Marion@volusia.org)

Re: Tomoka Farms Road Landfill  
SW WACS # 27540  
Volusia County  
OCD-CAP-14-2600

Dear Mr. Marion:

Department personnel conducted a compliance inspection of the above-referenced facility on May 5, 2014. Based on the information provided during and following the inspection, the facility was determined to be in compliance with the Department's rules and regulations. A copy of the inspection report is attached for your records, and any non-compliance items which may have been identified at the time of the inspection have been corrected.

The Department appreciates your efforts to maintain this facility in compliance with state and federal rules. Should you have any questions or comments, please contact Brad Whidden at (407) 897-4315 or via e-mail at [Brad.Whidden@dep.state.fl.us](mailto:Brad.Whidden@dep.state.fl.us).

Sincerely,

A handwritten signature in black ink, appearing to read 'Reggie Phillips', written over a light blue circular stamp.

Reggie Phillips, Manager  
Central District  
Florida Department of Environmental Protection

Enclosures: Inspection Report (with attachments)

cc: Jennifer Stirk, Volusia County, [jstirk@volusia.org](mailto:jstirk@volusia.org)  
Junos Reed, Volusia County, [jreed@volusia.org](mailto:jreed@volusia.org)



Florida Department of  
Environmental Protection  
Inspection Checklist

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**FACILITY INFORMATION:**

**Facility Name:** TOMOKA FARMS ROAD LANDFILL

**On-Site Inspection Start Date:** 05/05/2014

**On-Site Inspection End Date:** 05/05/2014

**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:** Junos Reed, Engineer; Mary Lawrence, Inspector; Jennifer Stirk, Environmental Specialist III

**INSPECTION TYPE:**

Routine Operation Inspection for Landfill - Class I facility

Routine Operation Inspection for Landfill - Class III facility

Routine Long Term Care Inspection for Landfill - Class I facility

Routine Operation Inspection for WPF - Source-Separated Organics Proc Fac (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: 05/05/2014

**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)<br><input type="checkbox"/> Waste reports (annually) 62-701.500(4)<br><input type="checkbox"/> Annual estimate of remaining life 62-701.500(13)(c)   | ✓  |        |     |     |
| 1.3      | Is gas monitoring being performed as required by the permit? 62-701.500(9), 62-701.530(2)  | ✓  |        |     |     |
| 1.4      | Are the results of the gas sampling reported to the Department quarterly? 62-701.530(2)(c)   | ✓  |        |     |     |
| 1.5      | 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.   | ✓  |        |     |     |
| 1.6      | 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.   |    |        | ✓   |     |
| 1.7      | 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)   |    |        |     | ✓   |
| 1.8      | 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. | ✓  |        |     |     |
| 1.9      | 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.  | ✓  |        |     |     |
| 1.10     | For C&D debris disposal and disposal with recycling facilities, is an Annual Report submitted to the Department for the disposal operation by February 1st of each year? 62-701.730(12)  |    |        |     | ✓   |
| 1.11     | For C&D recycling facilities with no disposal, is an Annual Report for the recycling facility submitted to the Department by February 1st of each year? 62-701.710(8)(b)   |    |        |     | ✓   |
| 1.12     | 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)   |    |        |     | ✓   |
| 1.13     | For compost facilities, has the annual report been submitted by June 1st? 62-709.530(3)  |    |        |     | ✓   |

Inspection Date: 05/05/2014

**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)<br><input type="checkbox"/> 100 feet from potable water wells (except on-site)?<br><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)<br><input type="checkbox"/> Hazardous waste 62-701.300(4)<br><input type="checkbox"/> Biomedical waste 62-701.300(6)<br><input type="checkbox"/> Yard trash 62-701.300(8)(c)<br><input type="checkbox"/> Whole waste tires 62-701.300(8)(e)<br><input type="checkbox"/> Regulated asbestos waste 62-701.520(3), 62-701.730(19)<br><input type="checkbox"/> Used oil and oily wastes, except as exempted 62-701.300(11)<br><input type="checkbox"/> PCB wastes 62-701.300(5)<br><input type="checkbox"/> Lead-acid batteries 62-701.300(8)(a)<br><input type="checkbox"/> White goods 62-701.300(8)(d)<br><input type="checkbox"/> Liquids 62-701.300(10)<br><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)<br><input type="checkbox"/> Training Plan 62-701.320(15)(a)<br><input type="checkbox"/> Operating Plan 62-701.500(2)<br><input type="checkbox"/> Waste weight records 62-701.500(4)<br><input type="checkbox"/> Precipitation records 62-701.500(8)(g) | ✓  |        |     |     |

Inspection Date: 05/05/2014

| 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)<br><input type="checkbox"/> Training records 62-701.320(15)(a)<br><input type="checkbox"/> Operation record 62-701.500(3)<br><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)(b)   | ✓  |        |     |     |
| 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: 05/05/2014

**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)<br><input type="checkbox"/> Access to monitoring wells<br><input type="checkbox"/> Damage to monitoring wells<br><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)<br><input type="checkbox"/> Signs of stressed vegetation<br><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: 05/05/2014

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

Inspection Date: 05/05/2014

**Current Violations:**

Rule: 62-701.500(7)(j)

Question Number: 2.21

Explanation: Due to recent heavy rains, erosion was present on areas of the Class I south side slope. The erosion resulted in exposed waste. Some of the waste washed downslope and was observed outside the lined area of the landfill.

Corrective Action: The facility must repair all eroded areas and cover exposed waste. Waste outside of the lined area must be collected and taken to the class I working face.

On May 14, 2014, Junos Reed submitted a response to the Department documenting the completion of these corrective actions.

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

Question Number: 2.22

Explanation: Leachate was actively flowing from the wellhead of the 8B horizontal gas collection line and other seepage areas of the south side slope. Leachate was not being collected by the leachate collection system and was observed flowing outside the lined area of the landfill.

Corrective Action: The facility must ensure that all leachate is collected by the leachate collection system.

On May 14, Junos Reed submitted documentation showing that leachate is contained within the lined area of the landfill.

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**COMMENTS:**

05/19/2014

The Class I working face is located near the center of phase I, area 2 of the north cell. Disposal is moving towards the south along the current lift.

There was a significant amount of leachate flowing from the east side of North Cell's south side slope. This is located in the area of the recent horizontal gas collector installation as part of Phase I of the landfill gas collection system construction. The leachate was flowing primarily from the horizontal 8B wellhead and from other areas along the slope. Leachate flow downslope was visible outside of the lined area. There was also a significant amount of erosion and exposed waste in this area, with some waste having washed down the slope with eroded soil outside the liner area.

The facility started work the day of the inspection to redirect leachate flow to prevent it from flowing downslope. Junos Reed stated that the facility will excavate a hole into the waste near the 8A wellhead and cover it with drainage stone.

In an email sent on May 14, 2014, Junos Reed stated that the erosion had been repaired and the exposed waste was covered. All soil and waste that had washed out beyond the lined area was hauled to the Class I working face. The toe berm downslope of the seepage area was repaired to stop the flow of leachate beyond the liner and a temporary 4" line was run from the horizontal 8B stub out to a leachate clean out riser downslope. This will remain in place until the newly installed horizontal gas collectors are connected to the gas collection system. This is scheduled to occur around May 28.

Pictures documenting these corrective actions were submitted with the May 14 email.



Inspection Date: 05/05/2014

The facility recently started the installation of a Smart Ditch lining system along the NW access road. However, the constructed trench washed out during the placement of the ditch covers. The Smart Ditch covers were removed and placed aside while the trench is being reworked.

**Class III Landfill and Yard Trash Area:**

The class III working face was located on the southwest corner of the surface. The facility was addressing erosion on the south side slope at the time of inspection. No exposed waste was visible.

The yard trash storage and processing area was in good order at the time of inspection.

Item No 1.6 marked unknown: The water quality report is reviewed as a separate function and is not deemed part of this inspection report.

**ATTACHMENTS:**

Class I working Face



South Side Slope Leachate



Well head Leachate Flow



Leachate and Exposed Waste



Inspection Date: 05/05/2014

Smart Ditch Construction



Inspection Date: 05/05/2014

**Signed:**

Brad Whidden  
 \_\_\_\_\_  
**PRINCIPAL INSPECTOR NAME**

Inspector  
 \_\_\_\_\_  
**PRINCIPAL INSPECTOR TITLE**

NO SIGNATURE  
 \_\_\_\_\_  
**PRINCIPAL INSPECTOR SIGNATURE**

FDEP  
 \_\_\_\_\_  
**ORGANIZATION**

Mary Lawrence  
 \_\_\_\_\_  
**INSPECTOR NAME**

Inspector  
 \_\_\_\_\_  
**INSPECTOR TITLE**

NO SIGNATURE  
 \_\_\_\_\_  
**INSPECTOR SIGNATURE**

FDEP  
 \_\_\_\_\_  
**ORGANIZATION**

Junos Reed  
 \_\_\_\_\_  
**REPRESENTATIVE NAME**

Engineer  
 \_\_\_\_\_  
**REPRESENTATIVE TITLE**

NO SIGNATURE  
 \_\_\_\_\_  
**REPRESENTATIVE SIGNATURE**

Volusia County  
 \_\_\_\_\_  
**ORGANIZATION**

Jennifer Stirk  
 \_\_\_\_\_  
**REPRESENTATIVE NAME**

Environmental Specialist III  
 \_\_\_\_\_  
**REPRESENTATIVE TITLE**

NO SIGNATURE  
 \_\_\_\_\_  
**REPRESENTATIVE SIGNATURE**

Volusia County  
 \_\_\_\_\_  
**ORGANIZATION**

**Supervisor: Reginald F. Phillips**

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.