



**Florida Department of
Environmental Protection
Inspection Checklist**

FACILITY INFORMATION:

Facility Name: TOMOKA FARMS ROAD LANDFILL

On-Site Inspection Start Date: 07/19/2019

On-Site Inspection End Date: 07/19/2019

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: Amada M Fernandez, Inspector

Other Participants: Gloria-Jean DePradine, Environmental Consultant; Mary Powers, Environmental Specialist; Jennifer Stirk, Environmental Specialist III

INSPECTION TYPE:

Routine Operation Inspection for Landfill - Class I

Routine Operation Inspection for Landfill - Class III

ATTACHMENTS TO THE INSPECTION CHECKLIST:

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

Note: Checklist items with shaded boxes are for informational purposes only.

1.0 - SECTION 1.0 - FILE REVIEW

2.0 - SECTION 2.0 - LANDFILL OPERATION AND MAINTENANCE

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1.0 - 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.)	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 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(8) and 62-701.730(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)(e)				✓
1.8	Is financial assurance adequate? 62-701.630 for landfills; 62-701.710(7)(a) and 62-701.710(1)(d)1. 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)(a) and 62-701.710(1)(d)1. for waste processing facilities; 62-701.730(11)(a) for C&D debris facilities; 62-713.600(6)(b) and 62-713.600(6)(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)				✓

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2.0 - 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))	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) <input type="checkbox"/> Biological waste - Disposal of dead animals due to disease 62-701.520(5)(a) <input type="checkbox"/> Biological waste - Disposal of dead poultry and hatchery residue 62-701.520(5)(b) <input type="checkbox"/> Biological waste - Disposal of captive wildlife, fish or marine mammals, and domestic animals that have not died due to disease 62-701.520(5)(c)	✓			
2.7	Are only permitted waste types disposed at facility? 62-701.340(2), 62-701.500(6)(a), 62-701.500(2)(c)	✓			
2.6.5	Recommended guidance for Item 2.6 above. Facility was provided a copy of the Department's Disposal of Deceased Domestic Animals Guidance Document dated November 9, 2018. (Note: The Guidance Document is to provide direction regarding the disposal of deceased domestic animals pursuant to Chapter 62-701.520(5), F.A.C. and Chapter 823.041, F.S.) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A				

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Item No.	LANDFILL OPERATION AND MAINTENANCE	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) <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 62-701.500(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 62-701.500(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 62-701.500(8)(h)	✓			
2.23	Is leachate disposed of or treated as required? 62-701.500(8)(b), 62-701.500(8)(c) and 62-701.500(8)(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)	✓			

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Item No.	LANDFILL OPERATION AND MAINTENANCE	Ok	Not Ok	Unk	N/A
		✓			
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 groundwater 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.	✓			

COMMENTS:

Solid Waste Operation Permit - Landfill permit number 0078767-030-SO-01 was issued 6/28/2013 and expires 5/13/2033. The permit was most recently modified (0078767-037SO-MM) on 7/27/2015.

Solid Waste Operation Permit - Landfill permit number 0078767-034-SO-T3 was issued 9/24/2014 and expires 9/24/2024. The permit was most recently modified (0078767-038-SO-MM) on 7/27/2015.

Solid Waste Construction Permit number 0078767-041-SC-01 was issued 7/20/2018 and expires 7/20/2023. The permit was issued for the construction of Phase III Expansion Area 4 for the Class I North Cell. The expansion area consists of a total of 12.8 acres and is located east of Phase II.

The Tomoka Farms Road Landfill is a 3,400 acre waste management facility. The facility includes the Class I North Cell, a Class III Landfill, the closed Class I South Cell, a Household Hazardous Waste collection center, a white goods and tire storage area, and a Citizen's Convenience Center. The North Cell Class I disposal area is comprised of 4 Phases, the existing North Cell (39.42 acres), the North Cell Phase I Expansion (26.22 acres), the North Cell Phase II Expansion (12.2 acres), and the North Cell Phase III Expansion (12.8 acres). Waste is currently being placed in Phase II Expansion Area 3, and Phase III Expansion Area 4 is currently being constructed. At the North Cell, leachate is collected via the leachate collection system. The leachate is stored in the north surface impoundment which is then pumped to the on-site leachate sequential batch reactor (SBR). The leachate is treated and then used on site for dust control or transmitted to a 26-acre on-site spray irrigation field.

Section 1.0 - File Review

Item 1.2 - 2018 annual waste report was received 1/14/2019. 2018 annual estimate of remaining life was received 10/26/2018.

Item 1.4 - 1st and 2nd quarter 2019 gas reports were received 7/25/2019. Dale Melton reviewed the reports and found them acceptable on 7/26/2019. 4th quarter 2018 gas report was received 11/14/2018. 3rd quarter 2018 gas report was received 9/12/2018.

Item 1.5 - 1st semi-annual 2018 water report was received 7/17/2018. 2nd semi-annual 208 water report was received 11/5/2018.

Item 1.6 - Ground water reports are reviewed as a separate function and not part of this inspection.

Item 1.8 - In an email dated 7/17/2019 from the Department's Financial Coordinator, financials were determined to be adequate.

Item 1.9 - Current cost estimates were determined to be adequate on 11/16/2018.

Section 2.0- Landfill Operation and Maintenance

Items 2.8 and 2.9 - Training records were verified using the TREEO website.

Item 2.13 - Waste was being placed in Phase II Area 3 in the Class I landfill. Waste was being placed in the west side of the Class III landfill.

Item 2.16 - The slope angles were not measured in order to verify they are no greater than three feet

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horizontal to one foot vertical. Only a visual assessment was conducted.

Item 2.20 - A litter control fence was used in the Class I and Class III working face.

Item 2.21 - There were a few areas of exposed sediment observed on the slopes with intermediate cover on the Class III landfill. The Department recommends that these areas are carefully watched and maintained to avoid potential erosion, especially during the rainy season.

Item 2.33 - A water truck was in use at the Class III landfill at the time of the inspection.

Item 2.38 - Permit number 0078767-030-SO-01: Section 2.A27. 5 Year Submittal Report received 6/13/2018. The 2018 Leachate Quantity Analysis Report was received 1/9/2019.

ATTACHMENTS:

Construction of Expansion Area



Class I Landfill



Class III Landfill



Stormwater ponds near South Cell



Storage of waste tires



HHW Center



Inspection Date: 07/19/2019

Signed:

Amada M Fernandez
PRINCIPAL INSPECTOR NAME

Inspector
PRINCIPAL INSPECTOR TITLE

Amada
PRINCIPAL INSPECTOR SIGNATURE

DEP
ORGANIZATION 08/01/2019
DATE

Signed:

Amada M Fernandez
PRINCIPAL INSPECTOR NAME

Inspector
PRINCIPAL INSPECTOR TITLE

Amada Fernandez
PRINCIPAL INSPECTOR SIGNATURE

DEP
ORGANIZATION 08/01/2019
DATE

Gloria-Jean DePradine
INSPECTOR NAME

Environmental Consultant
INSPECTOR TITLE

NO SIGNATURE REQUIRED
INSPECTOR SIGNATURE

DEP
ORGANIZATION

Mary Powers
INSPECTOR NAME

Environmental Specialist
INSPECTOR TITLE

NO SIGNATURE REQUIRED
INSPECTOR SIGNATURE

DEP
ORGANIZATION

Jennifer Stirk
REPRESENTATIVE NAME

Environmental Specialist III
REPRESENTATIVE TITLE

NO SIGNATURE REQUIRED
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.

Report Approvers:

Approver: Jason Seyfert

Inspection Approval Date: 08/08/2019