



**Florida Department of
Environmental Protection
Inspection Checklist**

FACILITY INFORMATION:

Facility Name: TOMOKA FARMS ROAD LANDFILL
On-site Inspection Start Date: 09/04/2020
On-site Inspection End Date: 09/04/2020
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: Jennifer Stirk, Environmental Specialist;

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

TOMOKA FARMS ROAD LANDFILL

Inspection Date: 09/04/2020

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 checked="" type="checkbox"/> Yes <input 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) | ✓ | | | |
| 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- | ✓ | | | |

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

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COMMENTS:

Solid Waste Operation Permit (Class I) - Landfill permit number 0078767-030-SO-01 was issued 6/28/2013 and expires 5/13/2033. The permit was most recently modified (0078767-043-SO-MM) on 6/9/2020.

Solid Waste Operation Permit (Class III) - Landfill permit number 0078767-042-SO-T3 was issued 1/2/2020 and expires 1/2/2030.

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 the North Cell Phase I Expansion (65.64 acres), the North Cell Phase II Expansion (12.2 acres), and the North Cell Phase III Expansion (12.83 acres). Phase I is divided into Areas 1 and 2; Phase II is comprised of Area 3 (12.2 acres), and Phase III is comprised of Area 4 (12.83 acres). Permit Modification No. 0078767-043-SO-MM authorizes disposal in the North Cell Phase I, Areas 1 and 2, in the North Cell Phase II, Area 3 and in the North Cell Phase III, Area 4. Waste is currently being placed in Phase III Expansion Area 4.

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 onsite spray irrigation field.

The disposal area for Class III waste covers approximately 88.1 acres. Due to the nature of the waste received and Rule requirements at the time of construction, the Class III landfill is designed without a bottom liner and leachate collection system.

Section 1.0 - File Review

Item 1.2 - The 2019 annual waste report was received 2/3/2020. The 2019 Estimate of Remaining Life was received 10/10/2019. The 2020 Estimate of Remaining Life is due no later than 11/1/2020.

Item 1.4 - The 2nd quarter 2020 gas report was received 7/1/2020 and was deemed acceptable by Dale Melton on 7/9/2020. The 1st quarter 2020 gas report was received 3/24/2020 and was deemed acceptable by Dale Melton on 3/24/2020. The 4th quarter 2019 gas report was received 1/2/2020 and was deemed acceptable by Dale Melton on 1/17/2020. The 3rd quarter 2019 gas report was received 9/4/2020.

Item 1.5 - The 2020 1st semi-annual water quality monitoring report was received 7/1/2020 and was deemed acceptable by Dale Melton on 7/30/2020. The 2019 2nd semi-annual water quality monitoring report was received 1/14/2020 and was deemed acceptable by Dale Melton on 2/25/2020. The 2019 1st semi-annual water quality monitoring report was received 8/8/2019.

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 9/2/2020 from the Department's Financial Coordinator, financials were determined to be adequate.

Item 1.9 - The 2020 Cost Estimate was received 7/13/2020.

Section 2.0- Landfill Operation and Maintenance

Items 2.8 and 2.9 - At least one spotter was at each working face when receiving waste. Jennifer Stirk, a trained operator, was on-site. Training records were reviewed on-site and were up to date.

Item 2.13 - Waste was being placed in the first lift of Phase III Area 4 in the Class I landfill. Waste was being placed in the northeast side of the Class III landfill.

Item 2.20 - A litter control fence was used in the 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 I landfill. The Department recommends that these areas are carefully watched and

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maintained to avoid potential erosion, especially during the rainy season.

Item 2.24 - The facility began recirculating leachate about two or three weeks before the inspection because of the amount of rain received recently, according to Ms. Stirk. The facility is recirculating leachate in accordance with their permit and operation plan and is keeping records of leachate recirculation.

Item 2.38 - Permit number 0078767-030-SO-01: Section 2.A.7 5 Year Submittal Report received 6/13/2018.

The 2019 Leachate Quantity Analysis Report was received 1/17/2020. The MPIS 2.5-yr Technical Report was received 10/10/2020 and covered sampling periods May 2017 through May 2019.

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Signed:

Amada M Fernandez

Inspector

PRINCIPAL INSPECTOR NAME

PRINCIPAL INSPECTOR TITLE

Amada Fernandez

DEP

09/08/2020

PRINCIPAL INSPECTOR SIGNATURE

ORGANIZATION

DATE

Jennifer Stirk

Environmental Specialist

REPRESENTATIVE NAME

REPRESENTATIVE TITLE

NO SIGNATURE REQUIRED

REPRESENTATIVE SIGNATURE

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: Jill M. Farris

Inspection Approval Date: 09/22/2020