

# Florida Department of

#### **Environmental Protection**

#### **Inspection Checklist**

## **FACILITY INFORMATION:**

Facility Name: SARASOTA CENTRAL LANDFILL COMPLEX

On-Site Inspection Start Date: 08/31/2017
On-Site Inspection End Date: 08/31/2017

**WACS No.:** 51614

Facility Street Address: 4000 KNIGHTS TRAIL ROAD

City: NOKOMIS
County Name: SARASOTA

**Zip:** 34275

#### **INSPECTION PARTICIPANTS:**

(Include ALL Landfill and Department Personnel with Corresponding Titles)

Principal Inspector: Rick R Roudebush, Environmental Specialist

Other Participants: Lois Rose, Manager, Solid Waste Operations; Joseph Going, General Manager Sarasota

Central County Landfill

#### **INSPECTION TYPE:**

Routine Operation Inspection for Landfill - Class I

Routine Operation Inspection for WPF - Material Recovery Facility - C&D

Routine Operation Inspection for WPF - Waste Tire Processing 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.

1.0 - SECTION 1.0 - FILE REVIEW

2.0 - SECTION 2.0 - LANDFILL OPERATION AND MAINTENANCE

6.0 - SECTION 6.0 - RECYCLING OPERATIONS AT C&D DEBRIS DISPOSAL FACILITIES

9.0 - SECTION 9.0 - WASTE TIRE FACILITIES

# 1.0 - SECTION 1.0 - FILE REVIEW

## Requirements:

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)  Waste reports (annually) 62-701.500(4)  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)	٧			
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)	<b>&gt;</b>			
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)				~

## 2.0 - SECTION 2.0 - LANDFILL OPERATION AND MAINTENANCE

## Requirements:

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)	٧			
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)  100 feet from potable water wells (except on-site)?  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)  Hazardous waste 62-701.300(4)  Biomedical waste 62-701.300(6)  Yard trash 62-701.300(8)(c)  Whole waste tires 62-701.300(8)(e)  Regulated asbestos waste 62-701.520(3), 62-701.730(19)  Used oil and oily wastes, except as exempted 62-701.300(11)  PCB wastes 62-701.300(5)  Lead-acid batteries 62-701.300(8)(a)  White goods 62-701.300(8)(d)  Liquids 62-701.300(10)  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	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)	~			

Item No.	LANDFILL OPERATION AND MAINTENANCE	Ok	Not Ok	Unk	N/A
2.10	Are the following records or plans current and available on-site? (Check any that are Not OK)  Training Plan 62-701.320(15)(a)				
	Operating Plan 62-701.500(2)				
	Waste weight records 62-701.500(4)				
	Precipitation records 62-701.500(8)(g)	~			
	Load-checking program records 62-701.500(6)(a)				
	Training records 62-701.320(15)(a)				
	Operation record 62-701.500(3)				
	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)	٧			
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)	٧			
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)	٧			
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)		<b>\</b>		
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)	٧			
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)	٧			
2.26	Is gas controlled to not allow combustible gas concentrations to exceed specified limits? 62-701.530(3)(a)	٧			
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)	~			

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

# 6.0 - SECTION 6.0 - RECYCLING OPERATIONS AT C&D DEBRIS DISPOSAL FACILITIES

# Requirements:

Item No.	SOLID WASTE PROHIBITIONS (unless "grandfathered" in, see 62-701.300(18))	Ok	Not Ok	Unk	N/A
6.1.1	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)	٧			
6.1.2	Unauthorized disposal or storage prohibited, except yard trash, within 500 feet of a potable water well? 62-701.300(2)(b)	<b>&gt;</b>			
6.2	Unauthorized storage or disposal of yard trash prohibited within the minimum setbacks of (Check any that are Not OK) 62-701.300(12)  100 feet from potable water wells (except on-site)?  50 feet from water bodies?	>			
6.3	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)	>			
6.4	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)	>			
6.5	Unauthorized open burning of solid waste prohibited except in accordance with Department requirements? 62-701.300(3)	>			
6.6	Are the following unauthorized wastes or special wastes properly managed? (Check any that are Not OK)  Hazardous waste 62-701.300(4) Biomedical waste 62-701.300(6) Regulated asbestos wastes 62-701.520(3), 62-701.730(19) Used oil and oily wastes, except as exempted 62-701.300(11) PCB wastes 62-701.300(5) Liquids 62-701.300(10) CCA treated wood 62-701.300(14)	>			
Item No.	RECYCLING OPERATIONS OPERATION AND MAINTENANCE	Ok	Not Ok	Unk	N/A
6.7	Do the tipping, processing, sorting, storage and compaction areas that are in an enclosed building or covered area have adequate ventilation? 62-701.710(3)(a)	>			
6.8	For areas not enclosed, is litter controlled and are litter control devices maintained? 62-701.710(3)(a)	>			
6.9	Is the leachate collection and removal system maintained and operated as required? 62-701.710(1)(d)2. and 62-701.730(8)	~			
6.10	Are all drains and leachate conveyances kept clean so that leachate flow is not impeded? 62-701.710(4)(b)	>			
6.11	Are the following records or plans current and available on-site? (Check any that are Not OK)  Operation and Maintenance Manual 62-701.710(4)(a)1  Contingency Plan 62-701.710(4)(a)3  Operation records 62-701.710(9)(a)  Is the Operation and Maintenance Manual substantially followed? 62-701.710(4)(a)1	¥			
		>			

Item No.	RECYCLING OPERATIONS OPERATION AND MAINTENANCE	Ok	Not Ok	Unk	N/A
6.13	Are putrescible wastes stored no longer than 48 hours or as otherwise allowed in the Operation and Maintenance Plan? 62-701.710(4)(b)	~			
6.14	Are areas where waste is stored or processed cleaned at least weekly to prevent odor and vector problems? 62-701.710(4)(b)	٧			
6.15	Are the operating hours posted at the facility? 62-701.710(4)(c)1	٧			
6.16	Is a trained operator on duty whenever the facility is operating? 62-701.710(4)(c)1	~			
6.17	Is at least one trained spotter on duty at all times that waste is received at the facility to inspect the incoming waste? 62-701.710(4)(c)2	~			
6.18	Are unauthorized wastes removed from the waste stream and placed into appropriate containers for disposal at a permitted facility? 62-701.710(4)(c)2	~			
6.19	Is the facility operated to control objectionable odors? 62-701.710(4)(d)	~			
6.20	Is adequate fire protection equipment available and operational? 62-701.710(4)(e)	~			
6.21	Is access to the facility controlled by fencing or other effective barriers to prevent disposal of unauthorized solid waste? 62-701.710(4)(f)	٧			
6.22	Is stormwater effectively controlled? 62-701.710(8)	~			
6.23	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.	~			

## 9.0 - SECTION 9.0 - WASTE TIRE FACILITIES

## Requirements:

Item No.	SOLID WASTE PROHIBITIONS (unless "grandfathered" in, see 62-701.300(18))	Ok	Not Ok	Unk	N/A
9.1.1	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)	~			
9.1.2	Unauthorized disposal or storage prohibited, except yard trash, within 500 feet of a potable water well? 62-701.300(2)(b)	٧			
9.2	Unauthorized storage or disposal of yard trash prohibited within the minimum setbacks of (Check any that are Not OK) 62-701.300(12)				
	<ul><li>100 feet from potable water wells (except on-site)?</li><li>50 feet from water bodies?</li></ul>	>			
9.3	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)	<b>&gt;</b>			
9.4	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)	>			
9.5	Unauthorized open burning of solid waste prohibited except in accordance with Department requirements? 62-701.300(3)	٧			
Item No.	WASTE TIRE FACILITY - GENERAL REQUIREMENTS FOR STORAGE	Ok	Not Ok	Unk	N/A
9.6	If the facility accepts tires from the public, is a sign posted at the facility entrance stating operating hours, cost of disposal and site rules? 62-711.540(1)(a)	~			
9.7	Are operations involving the use of open flames conducted no closer than 25 feet of a waste tire pile? 62-711.540(1)(b)	~			
9.8	If the facility accepts tires from the public, is an attendant always present on site when the site is open for business? 62-711.540(1)(c)	~			
9.9	Are fire protection services assured through notification to local fire protection authorities? 62-711.540(1)(d)	>			
9.10	Is an annual fire safety survey conducted? 62-711.540(1)(d)	~			
9.11	Is a copy of the annual fire safety report made part of the next quarterly report? 62-711.540(1)(d)	~			
9.12	Does the facility have an Emergency Preparedness Manual (EPM) on-site? 62-711.540(1)(e)	>			
9.13	Does the EPM contain the following information? (Check all that are Not OK)  Contact names and numbers 62-711.540(1)(e)1  List of emergency response equipment and locations on-site 62-711.540(1)(e)2  Procedures to be followed in the event of a fire 62-711.540(1)(e)3	>			
9.14	Is the operator at the facility maintaining records of the quantity of waste tires received at the site, stored at the site, and shipped from the site? 62-711.540(1)(g) and 62-711.400(5)	>			
9.15	If the operator of the site is not the owner of the property, has written authorization been obtained from the property owner to operate the facility? 62-711.540(1)(h)	٧			
9.16	Is adequate communications equipment available at the site? 62-711.540(1)(i)	~			

Item No.	WASTE TIRE FACILITY - GENERAL REQUIREMENTS FOR STORAGE	Ok	Not Ok	Unk	N/A
9.17	Is the owner or operator providing for control of mosquitoes and rodents so as to protect the public health and welfare? 62-711.540(1)(j)	~			
Item No.	WASTE TIRE FACILITY - STORAGE INDOORS	Ok	Not Ok	Unk	N/A
9.18	Are waste tire piles more than 50 feet in width? 62-711.540(2)(a)	~			
9.19	Are waste tire piles along a wall more than 25 feet in width? 62-711.540(2)(a)				~
9.20	Are widths of main aisles between piles less than 8 feet? 62-711.540(2)(b)				~
9.21	Is there less than 3 feet of clearance between the top of storage to sprinkler detectors or roof structures? 62-711.540(2)(c)				~
9.22	Is there less than 3 feet of clearance between waste tire piles and unit heaters, etc.? 62-711.540(2)(d)				~
9.23	If waste tires are stored up to 15 feet high, do walls between adjacent warehouse areas and between manufacturing and warehouse areas have at least a four-hour fire rating? 62-711.540(2)(e)				~
9.24	If waste tires are stored over 15 feet high, do walls between manufacturing and warehouse areas have a fire rating of not less than six hours and do steel columns have one-hour fireproofing? If the top of storage exceeds 20 feet in height, do columns and their connections with other structural members have two-hour fireproofing? 62-711.540(2)(f)				~
9.25	Is the access controlled through the use of doors, fences, gates, natural barriers or other means? 62-711.540(2)(h)	~			
Item No.	WASTE TIRE FACILITY - STORAGE OUTDOORS	Ok	Not Ok	Unk	N/A
9.26	Is the waste tire site operated within 200 feet from a body of water? 62-711.540(3)(a)	~			
9.27	Does the waste tire pile have a width less than 50 feet? 62-711.540(3)(b)	~			
9.28	Does the waste tire pile have an area less than 10,000 sq. ft? 62-711.540(3)(b)	~			
9.29	Does the waste tire pile have a height less than 15 feet? 62-711.540(3)(b)	~			
9.30	Is there a 50 feet wide fire lane around the perimeter of the waste tire pile? 62-711.540(3)(c)	<b>&gt;</b>			
9.31	Is there unobstructed access to the fire lane? 62-711.540(3)(c)	~			
9.32	Is the access controlled through the use of doors, fences, gates, natural barriers or other means? 62-711.540(3)(d)	~			
9.33	Is the site kept free of grass, underbrush, and other potentially flammable vegetation? 62-711.540(3)(f)				~
9.34	Is the site bermed or given other adequate protection to prevent liquid runoff from entering water bodies? 62-711.540(3)(e)	~			
9.35	Are residuals contained on-site and disposed of in a permitted solid waste management facility or properly recycled? 62-711.540(5)	~			
9.36	Does the waste tire site qualify for the exceptions to the technical and operational standards as allowed by rule? 62-711.540(6)	<b>&gt;</b>			
Item No.	WASTE TIRE FACILITY - COLLECTION CENTER	Ok	Not Ok	Unk	N/A
9.37	Are no more than 1,500 tires at the collection center at any one time? 62-711.550(1)(a)	~			
9.38	Are all waste tires, which are not used tires, removed from site yearly for recycling, processing, or disposal? 62-711.550(1)(b)	~			

#### **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: A large rain event occurred on June 7, 2017. The event caused the leachate collection

in Cell #3 to subsequently overflow into Cell #4.

Corrective Action: Analyze causation of occurance(s) and develop a plan to prevent recurrence.

#### **COMMENTS:**

On June 7, 2017, the facility received 3" of rain in less than two hours. During the rain event, a pump in the leachate collection system within Cell 3 failed. This failure, combined with the heavy rain event, caused a leachate/stormwater mixture to be released into Cell 4.

The facility was able to isolate this mixture in Cell 4 and kept it from being released into the overall facility stormwater management system. The Cell 4 mixture was initially tested on June 8, 2017 for all contaminants required for leachate sampling. The results showed levels of both mercury and iron above Class III surface water standards. Subsequently, the leachate/stormwater mixture was tested on June 20, June 29 and July 20.

The July 20, 2017 sampling event revealed contaminant levels below Class II surface water standards and the Department allowed facility to release the remaining water to the surface water management system.

The facility is reviewing the event to evaluate potential structural and operational changes to prevent overflows from occurring in the future.

#### **ATTACHMENTS:**

Signed:						
Rick R Roud	ebush	Environmental Specialist				
PRINCIPAL	INSPECTOR NAME	PRINCIPAL INSPECTOR TITLE				
		FDEP - SDO	08/31/2017			
PRINCIPAL	INSPECTOR SIGNATURE	ORGANIZATION	DATE			
Lois Rose		Manager, Solid Waste Operations				
REPRESEN	TATIVE NAME	REPRESENTATIVE TITLE				
NO SIGNAT	URE REQUIRED					
		Sarasota County Solid Waste Division				
REPRESEN	TATIVE SIGNATURE	ORGANIZATION				
	s not admitting to the accuracy of ar	esentative only acknowledges receipt of the name of the items identified by the Departmer				
Joseph Goin	g	General Manager Sarasota Central C	County Landfill			
REPRESEN	TATIVE NAME	REPRESENTATIVE TITLE				
NO SIGNAT	URE REQUIRED	Advanced Disposal				
REPRESEN	TATIVE SIGNATURE	ORGANIZATION				
•	s not admitting to the accuracy of ar	sentative only acknowledges receipt of the sentative only acknowledges receipt of the sentative of the Departmer	•			
Report App	rovers:					
Approver:	Ryan B Snyder	Inspection Approval Date: 11/30/	2017			