

Florida Department of Environmental Protection Inspection Checklist

FACILITY INFORMATION:

Facility Name: LAKE COUNTY CENTRAL LANDFILL

On-Site Inspection Start Date: 05/14/2015
On-Site Inspection End Date: 05/14/2015

WACS No.: 19823

Facility Street Address: 13130 ASTATULA LANDFILL RD CR561 4 MI S OF TAVARES

City: TAVARES

County Name: LAKE

Zip: 32778

INSPECTION PARTICIPANTS:

(Include ALL Landfill and Department Personnel with Corresponding Titles)

Principal Inspector: Jeff T Waters, Inspector

Other Participants: Jimmy Wise, Superintendent

INSPECTION TYPE:

Routine Operation Inspection for Landfill - Class I 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

SECTION 10.0 - REGISTERED SOURCE-SEPARATED ORGANICS PROCESSING FACILITIES

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) 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)	٧			
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.	٧			
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)	٧			
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)				~

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) 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)	Ş			
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) 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)	v			

Item No.	LANDFILL OPERATION AND MAINTENANCE Completed	Ok	Not Ok	Unk	N/A
2.10	Load-checking program records 62-701.500(6)(a)				
	Training records 62-701.320(15)(a)	98			
	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 (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.	~			

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:

Closure/Final Cover Date: 02/15/2013

Post-Closure Utilization:

Surrounding Land Use:

Date Long-Term Care Began: 02/15/2013

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) Access to monitoring wells Damage to monitoring wells 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) Signs of stressed vegetation 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.	v			

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

SECTION 10.0 - REGISTERED SOURCE-SEPARATED ORGANICS PROCESSING FACILITIES

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.

FACILITY T	YPE(S)	MATERIAL(S) PROCESSED	PRODUCES	METHO	DD OF C	OMPO	STING
Yard Tra	ash Transfer Station	X Yard Trash	Mulch	☐ Wir	ndrow		
X Yard Tra	ash Recycling	Manure	Firewood	Pas	ssive aer	rated wi	ndrows
		Animal byproducts	☐ Fuel	Aei	ated sta	tic piles	
		Pre-consumer vegetative waste	Compost	☐ In-\	essel co	ompostii	ng
		▼ Vegetative waste	Soil Amendment				
			Soil				
			Other				
Item No.		S AND PROHIBITIONS APPLICAE RATED ORGANICS PROCESSING		Ok	Not Ok	Unk	N/A
10.1		e, processing, or disposal of solid waste except e management facility or other exempt facility		~			
10.2	Have objectionable of 709.300(7)(a)	odors been caused or allowed in violation of C	hapter 62-296, F.A.C.? 62-	~			
10.3	Unauthorized storage standards? 62-709.3	e or processing in a way or location that violat 00(7)(b), 62-701.300(1)(b)	es air quality or water quality	~			
10.4	Do geological format 701.300(2)(a)	ions or subsurface features provide support fo	or the facility? 62-709.300(7)(b), 62-	~			
10.5	artificial body of water impoundments or co	al or storage prohibited, except yard trash, wit er, including wetlands without permanent leach nveyances which are part of an on-site, permi ter bodies with no off-site discharge? 62-701.	nate controls, except tted stormwater management	~			
10.6		e or processing in any natural or artificial water jurisdiction)? 62-709.300(7)(b), 62-701.300(2		~			
10.7	Unauthorized storage 709.300(7)(b), 62-70	e or processing on the right of way of any pub 1.300(2)(f)	lic highway, road, or alley? 62-	~			
10.8	709.300(7)(b), 62-70			~			
10.9	soil or soil amendme	oration of CCA treated wood into material that nt? 62-709.300(7)(b), 62-701.300(14)		~			
10.10		ined emissions of particulate matter in violation (b), 62-701.300(15)	n of paragraph 62-296.320(4)(c),	~			
10.11	specified? Including:	, , , ,					
10.11.1	Effective barrier to pr	revent unauthorized entry and dumping? 62-7	09.320(2)(a)1	~			
10.11.2	Dust and litter contro	l methods? 62-709.320(2)(a)2		~			
10.12		e the necessary fire protection and control pro e? Including 62-709.320(2)(a)3	visions to deal with accidental				
10.12.1	20-foot all-weather a	ccess road all around the perimeter? 62-709.3	320(2)(a)3.a.	~			
10.12.2	No material mechani	cally compacted? 62-709.320(2)(a)3.b.		~			
10.12.3	No material more that	n 50 feet from access by motorized firefightin	g equipment? 62-709.320(2)(a)3.c.	~			
10.13	Is the facility operate	d in a manner to control vectors? 62-709.320	(2)(b)	~			
10.14	Is the facility operate F.A.C.? 62-709.320(d in a manner to control objectionable odors p 2)(c)	per with Rule 62-296.320(2),	~			
10.15	Are any installed dra	ins and leachate or condensate conveyances	kept cleaned? 62-709.320(2)(d)				~
10.16	Is the received solid	waste processed timely as follows? 62-709 33	20(2)(a)	1	1	ı ——	

Item No.	REQUIREMENTS AND PROHIBITIONS APPLICABLE TO ALL REGISTERED SOURCE-SEPARATED ORGANICS PROCESSING FACILITIES Completed	Ok	Not Ok	Unk	N/A
10.16					
10.16.1	Is yard trash size-reduced or removed within 6 months or time needed to receive 3,000 tons or 12,000 cubic yards, whichever is greater? (Separated logs with 6 inch diameter or greater can be stored for up to 12 months before being size-reduced or removed.) 62-709.320(2)(e)1	~			
10.16.2	Is putrescible waste (e.g. vegetative wastes, animal byproducts or manure) processed and incorporated into the composting material, or removed from the facility, within 48 hours? 62-709.320(2)(e)2				~
10.17	Is any treated or untreated biomedical waste; hazardous waste; or any materials having (PCB) concentration of 50 ppm or greater containerized and removed immediately? 62-709.320(2)(f), 62-701.300(4), 62-701.300(5), 62-701.300(6)	~			
10.18	Have all residuals, solid waste and recyclable materials been removed and recycled or disposed and has any remaining processed material been properly used or disposed upon the facility ceasing operations? 62-709.320(2)(g)	V			
10.19	If temperature is used to show disinfection or vector attraction achieved, are records kept for at least three years? 62-709.320(4)(b)				^
10.20	Is the registration for the facility current and on file with the Department? 62-709.320(3)(b)	~			
10.21	Are renewal applications for annual registration of the facility submitted to the Department by July 1st, if applicable? 62-709.320(3)(c)	~			
10.22	Are monthly records of incoming and outgoing material kept on-site or at another location as indicated on the registration form for at least three years? 62-709.320(4)(a)	~			
10.23	Are Annual Reports, based upon the preceding calendar year, summarizing monthly records, submitted to the Department as required? 62-709.320(4)(a)	~			

Item No.	REQUIREMENTS AND PROHIBITIONS APPLICABLE TO YARD TRASH ONLY FACILITIES Completed	Ok	Not Ok	Unk	N/A
10.24	Unauthorized storage or processing within 100 feet from off-site potable water well that existed before facility registered? 62-709.300(7)(b) and 62-701.300(12)(a)	>			
10.25	Unauthorized storage or processing within 50 feet from any body of water, including wetlands? (Does not include parts of permitted stormwater system, or water bodies totally within facility with no discharge to surface waters.) 62-709.300(7)(b), 62-701.300(12)(b)	>			
10.26	Is processed material removed from facility within 18 months, unless longer storage authorized by permit? 62-709.330(2)	>			
10.27	Is the facility accepting only yard trash, and bags used to collect yard trash and containerizing any other material? 62-709.330(3)	~			

Item No.	REQUIREMENTS AND PROHIBITIONS APPLICABLE TO ONLY THOSE FACILITIES THAT BLEND MANURE OR COMPOST VEGETATIVE WASTES, ANIMAL BYPRODUCTS OR MANURE Completed	Ok	Not Ok	Unk	N/A
10.28	Unauthorized storage or processing within 500 feet off-site potable water well that existed before facility registered? 62-709.300(7)(b) and 62-701.300(2)(b)				>
10.29	Unauthorized storage or processing within 200 feet from any body of water, including wetlands? (Does not include parts of permitted stormwater system, or water bodies totally within facility with no discharge to surface waters.) 62-709.300(7)(b), 62-701.300(2)(e)				>
10.30	Unauthorized storage or processing within 10,000 feet of any licensed and operating airport runway used by turbine powered aircraft, or within 5,000 feet of any licensed and operating airport runway used only by piston engine aircraft, unless applicant demonstrates that the facility is designed and will be operated so that it does not pose a bird hazard to aircraft? 62-709.300(7)(b), 62-701.320(13)(b)				>
10.31	Is the carbon:nitrogen ratio of the blended feedstocks greater than 20? 62-709.350(2)				~
10.32	Do piles exceed 12 feet in height? 62-709.350(3)				~
10.33	Is all material removed within 18 months, unless longer storage authorized by permit? 62-709.350(5)				~
10.34	Is there documentation showing that disinfection has been achieved? Note that this is not required if they are composting only pre-consumer vegetative waste with or without yard trash. 62-709.350(6)				>
10.35	Is there vector attraction reduction controls that include one of the following? 62-709.350(7) Temperature monitoring records showing the waste was composted for at least 14 days, with temperature no lower than 40 degrees Celsius and average temperature of the material being composted higher than 45 degrees Celsius. or 62-709.350(7)(a) Results of testing showing the specific oxygen uptake rate (SOUR) for material being composted or blended equal to or less than 1.5 milligrams				>

	REQUIREMENTS AND PROHIBITIONS APPLICABLE TO ONLY THOSE FACILITIES THAT BLEND MANURE OR COMPOST VEGETATIVE WASTES, ANIMAL BYPRODUCTS OR MANURE Completed	Ok	Not Ok	Unk	N/A
10.35	of oxygen per hour per gram of total solids (dry weight basis) at a temperature of 20 degrees Celsius. 62-709.350(7)(b)	·	·	·	>

COMMENTS:

05/14/2015

The facility was actively placing cover on the side slopes of the Class I landfill to address flagging at the time of the inspection. The leachate tanks for the Class I are actively operating.

Dirt has been applied to an area of the closed portion of the Class I landfill to prevent standing water.

The C&D disposal area at the facility is inactive and has an intermediate cover (dirt and vegetation) in place.

The HHW, white goods and waste tires storage areas were in good order.

Item 1.6 - The water quality report is reviewed as a separate function and is not deemed part of this inspection report.

Financial assurance approved 5/11/2015.

MPIS report approved for 2012-2013 on 11/18/2014.

The facility permit expires for Phase II on 4/24/2016 and the permit renewal documentation is due by 2/3/2016.

ATTACHMENTS:

White goods and AC units



Vegetative waste mulching area



Class I working face



Class I Phase III landfill



Leachate tanks for class I



Phase III limits of waste



Signed:

Jeff I Waters	Inspector	
PRINCIPAL INSPECTOR NAME	PRINCIPAL INSPECTOR TITLE	
NO SIGNATURE	FDEP	
PRINCIPAL INSPECTOR SIGNATURE	ORGANIZATION	
Jimmy Wise	Superintendent	
REPRESENTATIVE NAME	REPRESENTATIVE TITLE	
NO SIGNATURE	Lake County Central Landfill	
REPRESENTATIVE SIGNATURE	ORGANIZATION	

Supervisor: Danielle M. Bentzen

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.