

# Florida Department of Environmental Protection

Bob Martinez Center 2600 Blair Stone Road Tallahassee, Florida 32399-2400 DEP Form # 62-701.900(28), F.A.C.

Form Title: Closure Cost Estimating Form For Solid Waste Facilities

Effective Date: January 6, 2010

Incorporated in Rule 62-701,630(3), F.A.C.

#### CLOSURE COST ESTIMATING FORM FOR SOLID WASTE FACILITIES

			Date of L	DEP Approval.		<del></del>
I. GENERAL INFORMATION:						
Facility Name: Manatee County Lena Road Class I Landfill				WACS ID: 44795		
Permit Application or Consent Order No.: 39884				Expira	tion Date: <u>1-05</u>	5-2016
Facility Address: 3333 Lena	Road, Brad	denton Florida	34211			
Permittee or Owner/Operator:	Manatee	County Gove	rnment - Utilities D	epartment		<u> </u>
Mailing Address: 3333 Lena	Road, Brad	denton, Florida	34211			
Latitude: 27 °	28'	10 "	Longitude:	on°	26'	35 "
			<del></del>	82°		
	te Plane	<del> </del>	Datum: NAD 1983 (9		<del>_</del>	
Collected by: Patrick McCorn	nack, PSM		Company/Affiliation:	Atkins		
Solid Waste Disposal Units Incl	ludad in Es	timata:				
Solid Asaste Dishosal Othis Inc.	T CS	Date Unit	Active Life of		If closed:	If closed:
		Began	Unit From Date	If active:	Date last	Official
		Accepting	of Initial Receipt	Remaining	waste	date of
Phase / Cell	Acres	Waste	of Waste	life of unit	received	closing
Stage 1 (30 acres w/final cap.)	132	1972	68	30		
Stage III	66	2004	10	4 .		
Stage II	118	2014	26	26	FANDRIDA D	PARTMENT OF
					TAVIKUNMEN	AL PROPERT OF
	1				FEB 2	O O O O O O O O O O O O O O O O O O O
					SOUTU.	2012
					TAMA	DISTRICT
Total disposal unit acreage incl	uded in this	s estimate:	Closure: 286	Lon	g-Term Care:	316
2 21	Class I		Class III 🗆		Disposal	
(Check all that apply) 💍	Other: W	aste Tires incl	uded			
						2
II. TYPE OF FINANCIAL ASS	URANCE [	OCUMENT (	Check type)		row Account m 29 (FA Defe	67
Letter of Credit*		☐ Insurance Certificate		□ Esc	row Account	~ ( ,,
□ Performance Bond	<b> </b> *	🖄 Financi	al Test	☐ Form	m 29 (FA Defe	erral $(\lambda^{U})$
☐ Guarantee Bond*		☐ Trust F	und Agreement			L.1.1
* - Indicates mechanism	s that require t	the use of a Standl	by Trust Fund Agreemen	t		フロ

Northwest District 160 Government Center Pensacola, FL 32502-5794 850-595-8360 Northeast District 7825 Baymeadows Way, Ste. B200 Jacksonville, FL 32256-7590 904-807-3300

Central District 3319 Maguire Blvd., Ste. 232 Orlando, FL 32803-3767 407-894-7555 Southwest District 13051 N, Telecom Pky. Temple Terrace, FL 33637 813-632-7600 South District 2295 Victoria Ave., Ste. 364 Fort Myers, FL 33901-3881 239-332-6975 Southeast District 400 N. Congress Ave., Ste. 200 West Palm Beach, FL 33401 561-681-6600

III. ESTIMATE ADJUSTMENT

40 CFR Part 264 Subpart H as adopted by reference in Rule 62-701.630, Florida Administrative Code, (F.A.C.) sets for the method of annual cost estimate adjustment. Cost estimates may be adjusted by using an inflation factor or by recalculating the maximum costs of closure in current dollars. Select one of the methods of cost estimate ajustment below.

#### (a) Inflation Factor Adjustment

### ☐ (b) Recalculated or New Cost Estimates

Inflation adjustment using an inflation factor may only be made when a Department approved closure cost estimate exists and no changes have occurred in the facility operation which would necessitate modification to the closure plan. The inflation factor is derived from the most recent Implicit Price Deflator for Gross National Product published by the U.S. Department of Commerce in its survey of Current Business. The inflation factor is the result of dividing the latest published annual Deflatory by the Deflator for the previous year. The inflation factor may also be obtained from the Solid Waste website www.dep.state.fl.us/waste/categories/swfr or call the Financial Coordinator at (850) 245-8706.

This adjustment is based on th	e Department approved clos	sing cost estimate dated:		September 7, 2011		
Latest Department Approved Closing Cost Estimate:	Current Year Inflation Factor, <b>e.g. 1.02</b>	on		Inflation Adjusted Closing Cost Estimate:		
\$35,584,554.26	× <u>1.01</u>		=	\$35,940,399.80		
This adjustment is based on th	e Department approved long	g-term care cost estimate	e dated:	September 7, 2011		
Latest Department Approved Annual <b>Long-Term Care</b> Cost Estimate:	Current Year Inflation Factor, <b>e.g. 1.02</b>	on		Inflation Adjusted Annual Long-Term Care Cost Estimate:		
\$447,322.68	× <u>1.01</u>		=	\$451,795.91		
Number of Years of	Long Term Care Remaining	g:	×	30		
Inflation Adjusted	Long-Term Care Cost Est	imate:	=	\$13,553,877.20		
Signature by	Owner/Operator		(check what a	applies)		
Sign	Auter : ME			Address		
Joseph L. Miller, PE #39177 F	Project Manager	Orlando, F	Orlando, Florida 32810			
Manie V., Name	& Titlev,		City, S	tate, Zip Code		
February 21, 2012		joseph.mil	ler@atkinsglo	bal.com		
Da	ate		E-M	ail Address		
407-806-4153 Telephone	e Number					





## Florida Department of **Environmental Protection**

Bob Martinez Center 2600 Blair Stone Road Tallahassee, Florida 32399-2400 DEP Form # 62-701.900(28), F.A.C.

Form Title: Closure Cost Estimating Form For Solid Waste Facilities

Effective Date: January 6, 2010

incorporated in Rule 62-701.630(3), F.A.C.

#### CLOSURE COST ESTIMATING FORM FOR SOLID WASTE FACILITIES

				Date of L	PEP Apploval.			
I. GENERA	L INFORMATION:				·			
Facility Nan	Facility Name: Manatee County Lena Road Class I Landfill					NACS ID: 44795		
Permit Application or Consent Order No.: 39884				Expira	tion Date: <u>1-05</u>	5-2016		
Facility Add	y Address: 3333 Lena Road, Bradenton Florida 34211							
Permittee o	r Owner/Operator:	Manatee	County Gove	rnment - Utilities D	epartment			
Mailing Add	ress: 3333 Lena F	Road, Brac	lenton, Florida	34211				
Latitude:	27 °	28'	10 "	Longitude:	82°	26'	35 "	
Coordinate	Method: US State	Plane		9atum: <u>NAD 1983 (9</u>	90)	_		
Collected by	/: Patrick McCorm	ack, PSM		company/Affiliation:	Atkins _			
Solid Waste	Disposal Units Inclu	uded in Est	timate:					
			Date Unit	Active Life of	If making	If closed:	If closed: Official	
			Began Accepting	Unit From Date of Initial Receipt	If active: Remaining	Date last waste	date of	
Pł	nase / Cell	Acres	Waste	of Waste	life of unit	received	closing	
	acres w/final cap.)	132	1972	68	30			
	Stage III	66	2004	10	4			
	Stage II	118	2014	26	26			
	- <del></del>					<del></del>		
			<u>-</u>	, ,				
						- ·		
Total dispos	al unit acreage inclu	ided in this	s estimate:	Closure: 286	Lon	ng-Term Care:	316 ENVIRONME FEB	
-	-111z - 4 <del>N</del> A	011	- 0	J		Diagonal	ENVIRONME	
		Class I			C&D Debris	Disposai	FEB 2	
(Clieck	all that apply) 📉	Other: W	aste Tires incl	naea		<del></del>	Sour	
U TVDE 0	E EINANGIAL ACCI	IDANOE E	OCUBAÇAIT #	N			SOUTHWEST TAMP	
	F FINANCIAL ASSU	JRANCE L			□ Esc	row Account	'AMP	
	Letter of Credit*			ce Certificate		m 29 (FA Defe		
	Performance Bond*		Ď Financi		LI FOII	III 29 (FA Deit	ziiai)	
	Guarantee Bond*	41-4		und Agreement				
	* - Indicates mechanisms	tnat require t	ne use of a Standt	oy i rust Hund Agreemen	l			
Northwest D			Central District	Southwest District a. 232 13051 N. Telecom Pky	South District 2295 Victoria Ave.,		theast District	
160 Governmer Pensacola, FL 32 850-595-8	2502-5794 Jacksonville, FL	32256-7590	3319 Maguire Blvd., Ste Orlando, FL 32803-3 407-894-7555	•		01-3881 West Pal	m Beach, FL 33401 61-681-6600	

#### **III. ESTIMATE ADJUSTMENT**

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40 CFR Part 264 Subpart H as adopted by reference in Rule 62-701.630, Florida Administrative Code, (F.A.C.) sets forth the method of annual cost estimate adjustment. Cost estimates may be adjusted by using an inflation factor or by recalculating the maximum costs of closure in current dollars. Select one of the methods of cost estimate ajustment below.

#### (a) Inflation Factor Adjustment

#### ☐ (b) Recalculated or New Cost Estimates

Inflation adjustment using an inflation factor may only be made when a Department approved closure cost estimate exists and no changes have occurred in the facility operation which would necessitate modification to the closure plan. The inflation factor is derived from the most recent Implicit Price Deflator for Gross National Product published by the U.S. Department of Commerce in its survey of Current Business. The inflation factor is the result of dividing the latest published annual Deflatory by the Deflator for the previous year. The inflation factor may also be obtained from the Solid Waste website <a href="https://www.dep.state.fl.us/waste/categories/swfr">www.dep.state.fl.us/waste/categories/swfr</a> or call the Financial Coordinator at (850) 245-8706.

				- contract of the contract of			
This adjustment is based on the	e Department approved c	losing cost estimate	dated:	September 7, 2011			
Latest Department Approved Closing Cost Estimate:	Current Year Infla Factor, <b>e.g. 1.</b> 0			Inflation Adjusted Closing Cost Estimate:			
\$35,584,554.26	× <u>1.01</u>		=	\$35,940,399.80			
This adjustment is based on the	e Department approved lo	ong-term care cost es	stimate dated:	September 7, 2011			
Latest Department Approved Annual <b>Long-Term Care</b> Cost Estimate:	Current Year Infla Factor, <b>e.g. 1.0</b>			Inflation Adjusted Annual Long-Term Care Cost Estimate:			
\$447,322.68	× 1.01		=	\$451,795.91			
Number of Years of	Long Term Care Remain	ing:	×	30			
Inflation Adjusted	Long-Term Care Cost E	stimate:	=	\$13,553,877.20			
	Sp.//						
Signature by	Owner/Operator	Ճ Engineer	(check what	applies)			
	A DE A	482	South Keller Road				
O Spana	iture'): '7':		Address				
Joseph L. Miller, PE #39177 - P	roject Manager	Orla	Orlando, Florida 32810				
///Name	& Title,		City, S	State, Zip Code			
February 21, 2012	•	jose	ph.miller@atkinsglo	obal.com			
Da	<u> </u>		fail Address				
407-806-4153							
Telephone	Number	-					
. Stephone							



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				Date of D	DEP Approval:			
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Permit Application or Consent Order No.: 39884				Expira	tion Date: 1-0	5-2016		
Facility Addr	ress: 3333 Lena I	Road, Brad	denton Florida	34211				
Permittee or	Owner/Operator:	Manatee	County Gove	rnment - Utilities D	epartment			
Mailing Add	ress: <u>3333 Lena I</u>	Road, Brad	denton, Florida	34211				
	•							
Latitude:	27 °	28'	10 "	Longitude:	82°	26'	35 "	
Coordinate N	Method: <u>US State</u>	e Plane		)atum: <u>NAD 1983 (</u> 9	90)	_		
Collected by	: Patrick McCorm	ack, PSM		Company/Affiliation:	Atkins			
Solid Waste	Disposal Units Incl	uded in Es	timate:	T				1
			Date Unit	Active Life of		If closed:	If closed:	
			Began	Unit From Date	If active: Remaining	Date last waste	Official date of	
Ph	ase / Cell	Acres	Accepting Waste	of Initial Receipt of Waste	life of unit	received	closing	
	acres w/final cap.)	132	1972	68	30		<del>                                     </del>	1
	Stage III	66	2004	10	4			1
	Stage II	118	2014	26	26			1
	stage ii	. 10	2011					1
							+	1
							<del> </del>	1
		_					<del></del>	1
							<u>.l</u>	J
Total disposa	al unit acreage inclu	ided in this	s estimate:	Closure: 286	Lon	g-Term Care:	316	
							El a	
		Class I	. C	Class III 🗆	C&D Debris	Disposal	ENVIRONA DE	PAD
(Check	all that apply) 💍	Other: W	aste Tires incl	uded	<u> </u>		ECO	AL PROPERT OF
							FEB 22	201 ECTION
II. TYPE OF	F FINANCIAL ASSU	JRANCE [	OCUMENT (C	Check type)			SOUTHWEST	<i>2012</i>
	Letter of Credit*		□ Insuran	ce Certificate	□ Esc	row Account	TAMPA UI	STRICT
(Check all that apply)					·			
☐ Guarantee Bond* ☐ Trust Fund Agreement								
	* - Indicates mechanisms	that require t	he use of a Standt	y Trust Fund Agreemen	t			
Northwest Di	strict Northeast	District	Central District	Southwest District	South Distric	el Sou	utheast District	
160 Government Pensacola, FL 325	t Center 7825 Baymeadows	Way, Ste. B200	3319 Maguire Blvd., Ste Orlando, FL 32803-3	e. 232 13051 N. Telecom Pky	. 2295 Victoria Ave.,	Ste. 364 400 N. Cor	ngress Ave., Ste. 200 Im Beach, FL 33401	
850-595-83			407-894-7555	813-632-7600	239-332-697		31-681-6600	

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Latest Department Approved Closing Cost Estimate:	Current Year Inflation Factor, <b>e.</b> <i>g.</i> 1.02	on		Inflation Adjusted Closing Cost Estimate:		
\$35,584,554.26	x <u>1.01</u>		=	\$35,940,399.80		
This adjustment is based on the	Department approved long	g-term care cost estim	ate dated:	September 7, 2011		
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\$447,322.68	x 1.01		=	\$451,795.91		
Number of Years of	Long Term Care Remaining	g:	×	30		
Inflation Adjusted	ong-Term Care Cost Esti	imate:	=	\$13,553,877.20		
Signature by	Owner/Operator	☐ Engineer	(check what a	applies)		
Signa	tures : 5			Address		
Joseph L. Miller, PE #39177 - P.		Orlando, Florida 32810				
Symple Sy			City, S	State, Zip Code		
February 21, 2012	· · · · · · · · · · · · · · · · · · ·	joseph.	miller@atkinsglo	bal.com		
Dat	e		E-N	lail Address		
407-806-4153						
Telephone	Number					

#### SPECIFIC CONDITIONS: PART C - Operation Requirements

(Specific Condition #C.9.i., cont'd)

- 10) <u>Electronics</u>. Electronic waste shall be managed and stored at the HHWCSF in accordance with Section 13.4 of the HHW Plan. Electronics to be recycled shall be stored in an undamaged condition, and removed at least quarterly (every 3 months) or when a maximum quantity of 50,000 lbs (e.g., TVs, computers, etc.) is stored onsite, whichever occurs sooner. Electronics that have been damaged (such as broken into pieces) shall be removed and stored in a covered containment area to prevent contact with rainfall and related discharge, and removed at least quarterly (every 3 months) [ref. Op. Plan, Sec. 2.c.].
- 11) Fluorescent Bulbs. Fluorescent bulbs are accepted and bulked at the HHWCSF and shall be managed in accordance with the HHW Plan, in a manner which prevents discharge to the environment, and shall be removed at least quarterly (every 3 months) or when a maximum quantity of 3,000 bulbs are stored onsite, whichever occurs sooner [ref. Op. Plan, Sec. 2.c.].

  Amended 09/12/2011.

#### 10. Waste Handling Requirements.

- a. Unauthorized Wastes. A sufficient number of spotters shall be utilized at the facility for removing unacceptable wastes. Unauthorized wastes shall be removed from the site for proper disposal in accordance with the Operations Plan [ref. Op. Plan, Sec. 2.e.]. Spotting may be conducted at the working face from the equipment (i.e., not from the ground) while waste is being disposed, under the following conditions:
  - 1) The heavy equipment operator is trained as an operator or spotter;
  - 2) When unauthorized waste is discovered, the heavy equipment operator shall either move the unauthorized waste away from the active area for subsequent removal and proper management by another person on the ground, or shall stop operation and notify another person on the ground or on other equipment who shall come to the active area and remove the unauthorized waste before operations are resumed; and
  - 3) Each load of waste must be visually inspected for unauthorized waste prior to being compacted or covered.
- b. A trained spotter shall be at the working face and other special waste management areas at all times that wastes are received.
- 11. **Waste Covering Requirements**. All disposed solid waste shall be covered as required by Rule 62-701.500(7), F.A.C.
  - a. <u>Initial Cover.</u> Initial cover shall be applied and maintained at the end of each working day in the Class I landfill area in accordance with Rule 62-701.500(7)(e), F.A.C., so as to protect the public health and welfare.