





DEP NORTHEAST DISTRICT RECEIVED

2010 AFR 14 PM 2: 03

WASTE MANAGEMENT OF NORTH FLORIDA

Trail Ridge Landfill, Inc. 5110 U.S. Highway 301 South Baldwin, FL 32234-3608 P: 904.289.9100 F: 904.289.9013

April 12, 2010

Emerson Raulerson Florida Department of Environmental Protection 7825 Baymeadows Way, Suite 200B Jacksonville, FL 32256-7590

Re:

Trail Ridge Landfill

Methane Monitoring Results/1st Qtr. 2010

FDEP Permit # 0013493-010-SC

I.D. #: NED/16/00033628

Dear Mr. Raulerson:

In accordance with Specific Condition #35 of the above referenced permit, enclosed please find the 2nd Quarter 2010 Gas Monitoring Data for Trail Ridge Landfill. As indicated on the report, there was no detection of methane gas at the site.

Du Val

If you have any questions or need additional information regarding this submittal, please contact me at (904) 289-9506, or email at eparker1@wm.com.

Respectfully Submitted,

Eric Parker, CHMM

Environmental Protection Manager

North Florida Market Area

cc: Greg Mathes, Waste Management
Jim Christiansen, Waste Management
James Getting, Waste Management
Brian Dolihite, Waste Management
Chris Pearson, City of Jacksonville

Transmitted via email to Emerson.Raulerson@dep.state.fl.us

TRAIL RIDGE LANDFILL QUARTERLY LANDFILL GAS MONITORING AND ACTIVITIES REPORT! 4 PM 2: 03 2nd QUARTER 2010

SIGNIFICANT ACTIVITIES

(1) Regular gas monitoring occurred on 04/12/2010 and is presented below. No gas was detected.

GAS MONITORING RESULTS

Date Monitored:

April 12, 2010

Analyst:

Robby Litherland

Instrument Type:

GEM 2000; Serial No: GM11061

• Calibration Acceptable: Yes; Span Gas 50% volume, response 49.5%, adjusted 50%

Water Level Instrument Type: Slope Indicator; Serial No.:19802 Weather Conditions; 75°F, Sunny, Winds Northeast 10 Mph

Barometric Pressure: 30.03" Hg

MON. POINT	TIME	PRESSURE (inches w.c.)	METHANE (% by Vol. air)	METHANE (% LEL)	LIQUID LEVEL (FT TOC)	COMMENTS
GP-06	1020	N/A	0	0	0.0'	
(GP-07	1013	N/A	. 0	0	0.0'	
_ℓ GP-08	1007	N/A	0	0	0.0'	
(GP-09	1004	N/A	0	0	0.0'	
(GP-10	1001	N/A	0	0	0.0'	
/ GM-01	0832	N/A	0	0	N/A	Scale House South
GM-02	0830	N/A	0	• 0	N/A	Scale House North
GM-03	0834	N/A	0	0	N/A	Admin. Building
_. GM-04	0817	N/A	0	0	N/A	1st Floor Op's
GM-05	0811	N/A	0	0	N/A	2 nd Floor Op's

Comments: GP-are permanent probes; GM-are in structure locations

🗇 OGULUS Insert			
Catalogs:	Solid Waste		
	Discovery_Compliance		
Finser: Clear	Earcel Cancel	View File*	
☐ Add to Workflow?			
County	DUVAL.		
*FacilitySite ID	33628	TRAILIRE OF	
Document Date	04-12-2010		
* Received Date	04-14-2010		
Document Type	MONITORING PI	MONITORING PLANS AND REPORTS RELATED , - C.	
Eontractor ID TO ST			
FacilityTlype	A CLASS	OINS TYNES	
- Ocument Subjection	* 2010 1st QTR GAS	GAS MONITORING REPORT	
		多篇 \$P\$ \$P\$ \$P\$ \$P\$ \$P\$ \$P\$ \$P\$ \$P\$ \$P\$ \$P	



Department ofEnvironmental Protection

Jeb Bush Governor Northeast District 7825 Baymeadows Way, Suite B200 Jacksonville, Florida 32256-7590 November 29, 2005

Colleen M. Castille Secretary

L. Chris Pearson
Operations Manager
Environmental Resource Management Department
Solid Waste Division
1031 Superior Street
Jacksonville, FL 32254

Re: Trail Ridge Landfill

Cost estimates

I. D. Number: NED/16/00033628 Permit Number: 0013493-010-SC

Duval County

Dear Mr. Pearson:

The Department has received your letter, dated September 1, 2004 (an apparent typographical error), and received September 2, 2005, and has the following comments. Concerning your first issue in which you request guidance on what estimate to provide, please be advised that the cost estimates expected by the Department are for a one time final closure to reflect the cost to close the facility during the time it is expected to cost the most, based on your operations and phasing plan. If the Permittee walks away from the site, the Department expects to step in and close the facility, rather than continue to operate and close the facility in phases as the facility is permitted to do and is now doing. Of course, if the Permittee chooses to provide cost estimates covering the cost to do the incremental closures, and they are more than the one time final closure cost, the Department would not reject those estimates.

Concerning your second issue as to what party should sign the Financial Assurance Cost Estimate Form, the short answer is the Permittee. Based on FAC Rule 62-701.630(1), the owner or operator is to provide cost estimates, demonstrate and provide proof of financial assurance to the Department and to follow the applicable requirements of that rule in providing these items. Additionally, FAC Rule 62-701.630(1)(a) states the following: "Owner or operator" means, in addition to the usual meanings of the term, any owner of record of any interest in land whereon a landfill is or has been located and any person or corporation that owns a majority interest in any other corporation that is the owner or operator of a landfill. In addition to being the owner or operator, the entity that provides the cost estimates, financial assurance, and supporting documentation, should also be the Permittee. In the case of the Trail Ridge Landfill facility, as of the date of this letter, the operator and Permittee is Trail Ridge Landfill, Inc. The Department expects the Permittee to provide and sign the cost estimates by December 1, 2005, and the financial assurance by February 1, 2006.

"More Protection, Less Process"

Mr. L. Chris Pearson November 29, 2005 Page two

I hope this letter addresses and answers your questions.

If you have any comments concerning this matter, please contact Julia Boesch or me at the letterhead address or telephone numbers 904.807.3356 or 904.807.3365, respectively.

Sincerely,

Emerson Raulerson, P. E.

Solid Waste Section

 $_{\mathrm{JB/ml}}$ ML

cc Tom Clayton, Esq.



Jeb Bush Governor

Department of Environmental Protection

Northeast District 7825 Baymeadows Way, Suite B200 Jacksonville, Florida 32256-7590 November 29, 2005

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JB/ml ML

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Department of Environmental Protection

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7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256-7590
November 29, 2005

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Printed on recycled paper.

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Emerson Raulerson, P. E.

Solid Waste Section

JB/ml ML

cc Tom Clayton, Esq.

13493

FLORIDA Florida Department of



Twin Towers Office Bldg., 2600 Blair Stone Road, Tallahassee, FL 32399-2400 NOV 3 0 2005

DEP Form # 62-701,900(28)

Form Title: Financial Assurance Cost Estimate Form

Effective Date:

DEP Application No.

(Filled by DEP)

STATE OF FLORIDA DEPARTMENT OF ENTINANCIALOASSURANCE COST ESTIMATE FORM NORTHEAST DISTRICT - JACKSONVILLE

Date:	Novemb	er 15, 2005	5_	Date of DE	P Approval:		***	·
I. GENERAL	. INFORMAT	ION:						
Facility Nam Permit Appli Facility Addr Permittee: Mailing Addr	cation No.: ess	0013493- 5110 U.S Trail Ridg	e Class I Land 002-SC (Rene Highway 301, e Landfill, Inc. facility address	wal of SC16- Baldwin, Flo				GMS3116P02787 November 25, 2007
	Latitude:	30°14'00"	N	Longitude:	82°02'30"W	or .	UTM:	
Solid Waste	Disposal U	nits Includ	ed in Estimate	e:				
Phase/Cell I - V		Acres 144	- - -	Date Unit Began Accepting Waste 18-May-92	- - -	From Da Receipt	_ife of Unit ate of Initial of Waste - Years	- - -
			- - -	<u></u>	- - - -			- - -
Total Landfil	Acreage incl	luded in thi	s estimate:		119	Closure	144	Long Term Care
			25 Ac +/-), after res of side slop		10 (the estim	ated worse ca	ase).	
Type of Land	dfill	X	_Class I		Class III	· · · · · · · · · · · · · · · · · · ·	C&D Debris	
II. TYPE OF	FINANCIAL	ASSURAN	CE DOCUMEN	NT (Check T	ype)			
	Letter of	Credit*			Insurance C	ertificate		Indicates
	Performa	ance Bond*			_Escrow Acc	ount	req	chanisms that uire use of a
	Guaranty	Bond*		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Trust Fund	Agreement		dby Trust Fund Agreement

Northwest District 160 Governmental Center Pensacola, FL 32501-5794 850-595-8360 Northeast District 7825 Baymeadows Way, Ste. B200 Jacksonville, FL 32256-7590 904-448-4300 Central District 3319 Maguire Blvd., Ste. 232 Orlando, FL 32803-3767 407-894-7555 Southwest District 3804 Coconut Palm Dr. Tampa, FL 33619 813-744-6100 South District 2295 Victoria Ave., Ste. 364 Fort Myers, FL 33901-3881 941-332-6975 Southeast District 400 North Congress Ave. West Palm Beach, FL 33401 561-681-6600

Cost estimates may be adjusted using an inflation factor one of the methods of cost estimate adjustment below		lating the maximum cost of clos	ure in current do	lars. Select
(a) Inflation Factor Adj Inflation adjustments using an inflation factor may or changes have occurred in the facility operation which derived from the most recent Implicit Price Deflator to survey of Current Business. The inflation factor is the previous year. The inflation factor may also be obta	nly be made when n would necessitat for Gross National ne result of dividing	e modification to the closure pla Product published by the U.S. I g the latest published annual De	an. The inflation Department of Co iflator by the Defl	factor is ommerce in its ator for the
This adjustment is based on the Departme	ent approved cl	osure cost estimate date	d: <u>Dec. 1</u>	3, 2003 (w/renewal application)
Latest Department Approved		Current Year		Inflation Adjusted
\$14,332,397.46	х _	1.0200	=	\$14,619,045.41
This adjustment is based on the Departme	ent approved lo	ong-term care cost estima	te dated:	
Latest Department Approved Annual Long-Term Care Cost Estimate	•	Current Year Inflation Factor		Inflation Adjusted Annual Long-Term Care Cost Estimate
\$739,163.41	× _	1.0200	=	\$753,946.68
Number of Y	ears of Long-T	erm Care Remaining:	x	30
Inflation Adj	usted Long-T	erm Care Cost Estimate	e: =	\$22,618,400.26
(b) Recalculate Estima IV. CERTIFICATION BY ENGINEER	tes (see secti	on V)		
This is to certify that the Financial Assurance Cost Emanagement facility have been examined by me an professional judgment, the Cost Estimates are a true long-term care of the facility and comply with the recomplyment of Environmental Protection rules, and Estimates shall be submitted to the Department and Est	d found to conform e, correct and corr puirements of Flori statutes of the Sta nually, revised or a	n to engineering principles appliance in the engineering in the engineering principles appliance in the engineering principles application and an engineerin	cable to such face notial liabilities for notial liabilities for notial liabilities for provided the Financial provided the Financial provided the Financial provided the Financial provided to the Financial provided the Financial lease type provided the first provided the Financial lease type provided the Financial lease type provided the Financial liability provided the Financial liabilities for provid	closing and 10 and all other Assurance Cost C.
Telephone Number		Engineer's E-Ma		

Rule 62-701.603, Florida Administrative Code sets I

he method of annual

DEP FORM 62-701.900(28) Effective

40 CFR Part 264 H as adopted by reference.

Nogas, Mary

From:

Mathes, Greg [gmathes@wm.com]

Sent:

Wednesday, November 30, 2005 11:33 AM

To: Cc: Nogas, Mary Boesch, Julia

Subject:

RE: trail ridge financial assurance



finan. assur.pdf

Mary. Thank you for the clarification. The signed Financial Assurance Form will be delivered to your attention today. A copy of the unsigned form is attached. Trail Ridge Landfill will deliver the financial instrument to Fred Wick within the 60 day time period with a copy to your attention. Again, Thanks, Greg.

----Original Message----

•

From: Nogas, Mary [mailto:Mary.Nogas@dep.state.fl.us]

Sent: Tuesday, November 29, 2005 10:44 AM

To: Mathes, Greg Cc: Boesch, Julia

Subject: RE: trail ridge financial assurance

Fred Wick just corrected me -- You have 60 days, not 30 days, to provide the financial instrument (regardless of Department response).

----Original Message----

From: Nogas, Mary

Sent: Monday, November 28, 2005 6:47 AM

To: 'Mathes, Greg'

Cc: Boesch, Julia; Wick, Fred

Subject: RE: trail ridge financial assurance

My understanding of the procedure is that the Permittee is obligated to submit the financial instrument within 30 days of submitting the updated cost estimate, whether or not any response from the Department. Fred, if I am incorrect, please advise.

----Original Message----

From: Mathes, Greg [mailto:gmathes@wm.com] Sent: Tuesday, November 22, 2005 10:43 PM

To: Nogas, Mary

Subject: RE: trail ridge financial assurance

Hi Mary.

I appreciate your inquiry. Currently I am on vacation and will return on November 30,2005. Trail Ridge Landfill will provide the Financial Assurance and Post Closure cost estimate form to your office by December 01,2005 as we are the permittee. We will work out the contractual obligation the City has to Trail ridge Landfill Inc. directly with the City. It is my understanding that once your office approves the cost estimate for closure/post closure

care you will then notify
Trail Ridge Landfill Inc. of the acceptability of the document. Trail Ridge
Landfill Inc. will then submit the appropriate instrument to the Tallahassee
Office (Fred Wick) with a copy to you. Please let me know if this is not the
correct procedure. Thank you for your patience and understanding in this
matter. In the event you need to reach me please do not hesitate to contact
me. My cell # is (904) 591-6113.

Greg.

----Original Message----

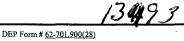
From: Nogas, Mary [mailto:Mary.Nogas@dep.state.fl.us]

Sent: Monday, November 21, 2005 8:27 AM

To: Mathes, Greg

Subject: trail ridge financial assurance

before we send this -- did i misunderstand your position? <<CityInt\$.doc>>







Towers Office Bldg., 2600 Blair Stone Road, Tallahassee, FL 32399-2400

Form Title: Financial Assurance Cost Estimate Form

Effective Date:

DEP Application No.

(Filled by DEP)

NOV 3 U 2005

STATE OF FLORIDA FINANCIAL ASSURANCE COST ESTIMATE FORM

NORTHEAST DISTRICT Date: Nover		Data of DED Approvals		
Date. Novel	inder 15, 2005	Date of DEP Approval:	,	
I. GENERAL INFORMA	ATION:			
Facility Name: Permit Application No.: Facility Address	5110 U.S. Highway	Renewal of SC16-184444) y 301, Baldwin, Florida 32234		#: GMS3116P02787 e: November 25, 200
Permittee: Mailing Address:	Trail Ridge Landfill Same as facility ad	<u> </u>		
Mailing Address.	Odific as facility ac	101633		
Latitud	le: <u>30°14'00"N</u>	Longitude: 82°02'30"W	or UTM:	
Solid Waste Disposal	Units Included in Est	timate:		
Phase/Cell I - V	Acres 144	Date Unit Began Accepting Waste 18-May-92	Design Life of Unit From Date of Initial Receipt of Waste 20 +/- Years	
Total Landfill Acreage i	ncluded in this estimat	e: <u> </u>	Closure 144	Long Term Care
	closed areas (25 Ac +/- a and 47.7 acres of sid	-), after Fill Phase 10 (the estim le slope)	ated worse case).	
Type of Landfill	X Class I	Class III	C&D Debri	S
		Section 1		
II. TYPE OF FINANCIA	AL ASSURANCE DOC	UMENT (Check Type)	~ ·	
Letter	of Credit*	Insurance C		* Indicates echanisms that
Perfor	mance Bond*	Escrow Acc	ount re	echanisms that equire use of a ndby Trust Fund
Guara	nty Bond*	Trust Fund		Agreement

Northwest District 160 Governmental Center Pensacola, FL 32501-5794 850-595-8360

Northeast District 7825 Baymeadows Way, Ste. B200 Jacksonville, FL 32256-7590 904-448-4300

Central District 3319 Maguire Blvd., Ste. 232 Orlando, FL 32803-3767 407-894-7555

Southwest District 3804 Coconut Palm Dr. Tampa, FL 33619 813-744-6100

South District 2295 Victoria Ave., Ste. 364 Fort Myers, FL 33901-3881 941-332-6975

Southeast District 400 North Congress Ave. West Palm Beach, FL 33401 561-681-6600

one of the methods of cost estimate adjustment bel-	ow.			
X (a) Inflation Factor Adj	iustment			,
Inflation adjustments using an inflation factor may o		en a Department approved closure cos	st estimate ex	xists and no
changes have occurred in the facility operation which				
derived from the most recent Implicit Price Deflator				
survey of Current Business. The inflation factor is to previous year. The inflation factor may also be obtained as the inflation factor is to previous year.		-	-	
		ona viacio i manolar ocoramiator at (oc		•
This adjustment is based on the Departme	ent approved	closure cost estimate dated:	Dec. 1	3, 2003 (w/renewal application)
Latest Department Approved		Current Year		Inflation Adjusted
\$14,332,397.46	Х.	1.0200	=	\$14,619,045.41
This adjustment is based on the Departme	ent approved	long-term care cost estimate c	lated:	
Latest Department Approved		Current Year		Inflation Adjusted Annual
Annual Long-Term Care Cost Estimate		Inflation Factor		Long-Term Care Cost Estimate
\$739,163.41	X	1.0200	=	\$753,946.68
Number of Y	ears of Long	-Term Care Remaining:	X	30
Inflation Ad	justed Long	-Term Care Cost Estimate:	=	\$22,618,400.26
/h\ Danslauleta Estima		4: a. n \/\		
(b) Recalculate Estima	ates (see sec	ction v)		
IV. CERTIFICATION BY ENGINEER				
This is to certify that the Financial Assurance Cost I	Estimates pertai	ning to the engineering features of this	solid waste	
management facility have been examined by me an	nd found to confo	orm to engineering principles applicable	e to such fac	ilities. In my
professional judgment, the Cost Estimates are a tru		•		_
long-term care of the facility and comply with the red Department of Environmental Protection rules, and	· ·			
Estimates shall be submitted to the Department and				
	\bigcirc			
In Foda	1 Oppos			11/30/05
Signature of Engineer	1101115	Signature of Owner	perator	(100103
Juanitta Bader Clem, P.E.	1/2/1/03	Greg Mathes, Direct	tor of Land	dfill Operations
Name & Title (please type)		Name & Title (pleas		unii Operations
43245		(904) 289-9100	• • •	
Florida Registration Number (affix seal)		Telephone Number		
14775 St. Augustine Road, Jax. FL 32258	3	gmathes@wm.com	l	
Mailing Address	- <u> </u>	Owner/Operator E-		ess
(904) 642-8990		clemj@etminc.com		
Telephone Number		Engineer's E-Mail A		

the method of annual

FRePart 264 H as adopted by reference in Rule 62-701.603, Florida Administrative Code sets for

Cost estimates may be adjusted using an inflation factor or be recalculating the maximum cost of closure in current dollars. Select

DEP FORM 62-701.900(28) Effective



DEP Form # 62-701.900(28)

Form Title: Financial Assurance Cost Estimate Form

Effective Date:

DEP Application No.

NOV 3 0 2005

FINANCIAL ASSURANCE COST ESTIMATE FORM

STATE OF F DEPARTMENT OF EN PATE EAST DISTRICT I. GENERAL INFOR	vv. PA Vento	OTECTION K\$6,N2008	5€	Date of DEI	P Approval:	·		1	
Facility Name: Permit Application N Facility Address Permittee: Mailing Address:	lo.:	0013493- 5110 U.S Trail Ridg		ewal of SC16- 1, Baldwin, Flo c.				GMS3116P0278 November 25, 20	
. Lat	itude:	30°14'00"	<u>N</u>	Longitude:	82°02'30"W	or	UTM:		
Solid Waste Dispo	sal Ur	nits Includ	led in Estima	nte:					
Phase/Cell I - V		Acres	· 	Date Unit Began Accepting Waste 18-May-92	- - -	From Da Receipt	Life of Unit te of Initial of Waste - Years	- - -	
			 		- - -			- - -	
Total Landfill Acrea	ge incl	uded in th	is estimate:		119	Closure	144	Long Term Care	į.
The entire landfill le (71.3 acres of top			-		10 (the estim	ated worse c	ase).		
Type of Landfill		X	_Class I		_Class III		C&D Debris		
II. TYPE OF FINAN	ICIAL .	ASSURA	NCE DOCUM	ENT (Check T	ype)				
Le	tter of	Credit*			_insurance C	Certificate		* Indicates chanisms that	
Pe	rforma	ance Bond	*		_Escrow Acc	ount	red	quire use of a	
Gu	uaranty	/ Bond*			_Trust Fund	Agreement		dby Trust Fund Agreement	
			•						

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Central District 3319 Maguire Blvd., Ste. 232 Orlando, FL 32803-3767 407-894-7555

Southwest District 3804 Coconut Palm Dr. Tampa, FL 33619 813-744-6100

South District 2295 Victoria Ave., Ste. 364 Fort Myers, FL 33901-3881 941-332-6975

Southeast District 400 North Congress Ave. West Palm Beach, FL 33401 561-681-6600

(a) Inflation Factor Adju Inflation adjustments using an inflation factor may only changes have occurred in the facility operation which derived from the most recent Implicit Price Deflator fo survey of Current Business. The inflation factor is the previous year. The inflation factor may also be obtain	y be made wh would necess r Gross Natio result of divid	sitate modification to the closure plan. and Product published by the U.S. Depa Defining the latest published annual Deflato	The inflation artment of Co or by the Defl	factor is ommerce in its ator for the
This adjustment is based on the Departmer	nt approved	d closure cost estimate dated:	Dec. 1	3, 2003 (w/renewal application)
Latest Department Approved		Current Year	*	Inflation Adjusted
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\$739,163.41	Х	1.0200	=	\$753,946.68
Number of Ye	ars of Long	g-Term Care Remaining:	x	30
Inflation Adju	ısted Lonç	g-Term Care Cost Estimate:	=	\$22,618,400.26
(b) Recalculate Estimat IV. CERTIFICATION BY ENGINEER	es (see se	ction V)		
This is to certify that the Financial Assurance Cost Estimanagement facility have been examined by me and professional judgment, the Cost Estimates are a true long-term care of the facility and comply with the requirement of Environmental Protection rules, and st Estimates shall be submitted to the Department annual Signature of Engineer Juanitta Bader Clem, R.E. Name & Title (please type)	found to conf , correct and d lirements of F latutes of the	form to engineering principles applicabl complete representation of the financia Florida Administrative Code (F.A.C.), Ro State of Florida. It is understood that t	e to such face I liabilities for ule 62-701.63 he Financial 1.630(4), F.A	closing and 30 and all other Assurance Cost .C.
Florida Registration Number (affix seal)		Telephone Number	T	
14775 St. Augustine Road, Jax. FL 32258 Mailing Address		gmathes@wm.com Owner /Operator E-		
(904) 642-8990 Telephone Number		<u>clemj@etminc.com</u> Engineer's E-Mail <i>i</i>	1	

Page 2 of 11

40 CFR Part 264 H as adopted by reference in Rule 62-701.603, Florida Administrative Code set with the method of annual Cost estimates may be adjusted using an impation factor or be recalculating the maximum cost of sesure in current dollars. Select

one of the methods of cost estimate adjustment below.

DEP FORM 62-701.900(28)

Effective

Nogas, Mary

From:

Nogas, Mary

Sent:

Wednesday, September 21, 2005 11:43 AM

To:

'Burson, Al'

Cc:

Mathes, Greg; Boesch, Julia; Raulerson, Emerson

Subject: RE: Trail Ridge Landfill

Your request for an extension to submit the annual cost estimates is acceptable to the Department. The City and your consultant have been in contact with us, and it appears that the issues may need even more time than requested; please be aware that an extension until December 1 is acceptable, if needed.

----Original Message----

From: Burson, Al [mailto:ABurson@wm.com] Sent: Wednesday, August 31, 2005 12:30 PM

To: Wick, Fred

Cc: Mathes, Greg; Nogas, Mary **Subject:** Trail Ridge Landfill

Dear Mr. Wick:

Trail Ridge Landfill (I.D. Number GMS3116PO2787, Permit # 0013493-002-SC) utilizes an escrow account for financial assurance. The landfill is operated by Waste Management and owned by the City of Jacksonville.

In the past, the City of Jacksonville has submitted the closure and post closure costs for the landfill based upon information provided by an independent engineer. The closure and post closure costs are due to the Florida Department of Environmental Protection by September 1st of each year.

Even though Waste Management has agreed with the information provided by the engineer, the City of Jacksonville has expressed some concerns about the closure amount. Because of this, the annual financial assurance documentation will not be submitted by the September 1st deadline.

On behalf of Trail Ridge Landfill, Waste Management is requesting a one month (to October 1, 2005) extension to submit the financial assurance documentation to the Florida Department of Environmental Protection. Waste Management is working with the City of Jacksonville to resolve this issue as soon as possible and submit the appropriate documentation.

If additional information is required, please feel free to contact me at aburson@wm.com or at (386) 984-6608.

Al



RECLIVED

DEPARTMENT OF ENVIRONMENTAL PROTECTION

SEP 02 2005

Interoffice Memorandum

STATE OF FLORIDA

DEPARTMENT OF THE PROTECTION

NORTHEAST DISTRICT - JACKSONVILLE

NORTHEAST DISTRICT - JACKSONVILLE

TO:

Fred Wick - MS 4565

THROUGH:

Mary Nogas, P.E.

FROM:

Dulia Boesch

Solid Waste Engineer

DATE:

October 13, 2004

SUBJECT:

Trail Ridge Landfill

Review of the Financial Assurance Annual Cost Adjustments

Permit No. Permit Number: 0013493-010-SC

The Department has completed review of the cost estimates (copy enclosed for your files) provided on August 23, 2004 (dated August 12, 2004) to comply with the requirements of Florida Administrative Code Chapter 62-701. The following cost estimates have been approved for the subject facility (2004 cost estimates):

Active Class I Landfill

Closure Construction Cost Estimates - \$14,332,397.46

Annual Long-Term Care Cost Estimates - \$739,163.41

Total Long-Term Care Cost Estimates - \$22,174,902.21 (30 years)

The following is for your information:

Applicant name: Trail Ridge Landfill, Inc.

Contact person: Greg Mathes

Title: District Manager

Phone number: (904) 289-9100

MCN:jb:ml M

Enclosures

cc: Chris Pearson, City of Jacksonville

Juanitta Bader Clem, England Thims & Miller







Florida Department of Environmental Protection

Twin Powers Office Bldg., 2680 Blair Stone Road, Talkibiston, FL 32399-2400

	`
DEP Form # 51-701.980(23)	
Porm Title: Financial Assurance Cost Balloute Form	
Milectry Date:	
DEP Application No.	,
(Filled by DEP)	Í

FINANCIAL ASSURANCE COST ESTIMATE FORM

Date:	Aurtisi	t 12, 2004		Date of D	EP Approvat			. •	
			-		— түр гэт	-		<u>,</u>	-
L GENERAL I	(FORMATI	ON:					,		
Facility Name: Permit Applical Facility Address Permittee: Mailing Address	B .	0013493 5110 U.S Trail Ridg	je Class I Lar 002-SC (Rer Highway 30 Landfill, Ind facility addre	ewal of SC18 1, Baldwin, F 2.	3-184444) Iorida 32234	WA -		GMS3116P02787 November 25, 20	
•	Latitude:	30°14'00"	<u>N</u>	Longitude	: 82°02'30"W	<u>'</u> •	or UTM;	***	*****
Solid Waste D	i s posai Un	its Includ	ed in Estima	te:					
Phase/Cell		Acres 144	-	Date Unit Began Accepting Waste 18-May-9:] 	From I Recei	n Life of Unit Date of Initial pt of Waste +/- Years		L
	•		 	10-18-09	- -			•	()
	:		- -		-			• . •	
	•		-	•	-			•	
Total Landfill Ac	reage inclu	ided in this	estimate:	•	119	Closure	144	Long Term Care	
The entire lands (71.3 acres of					10 (the estime	ated worse a	:ase).		
Type of Landfill		<u> </u>	Class.i		Class III	<u></u>	_ C&D Debris		
II. TYPE OF FIN	IANCIAL A	SSURAN	CE DOCUME	NT (Check T	ypė)	, •			
	Letter of C	aredit*			insurance C	ertificate		Indicates banisms that	
 .	Performan			X	Escrow Acct		<i>r</i> egi Stand	uine use of a by Trust Fund	
	Guaranty 1	Bond*			Truet Fund A	gneement		greement	
Northwest District 69 Governmentel Center Insecpts, FL 22501-5794 850-608-8360	7926 Baymen Jackspreit	meet (Sintrict down Why, 18th. II n. 191. 322558-759 448-4300	200 SS19 Mag Odensio	ntoni District ulre: Sivel., Sis., 252 , PL, 223422-2767 7-484-7668	Boudenest D 2004 Geomet F Tempa, FL 2 212-744-61	Pales Dr. 239 13919 For	Bouth District 5 Victoria Ave., Stp. 204 1 Mysts, PL 20001-2001 941-222-5175	Southwest Displays ASS Storth Congress Arts West Falm Sough, FL. 3540 861-861-9600	()

40 CFR Pull 264; I as adopted by reference in Rule 62-701.603, Florida Administrative Code set Cost estimates may be adjusted using an inflation factor or be recalculating the maximum cost of ciceure in current dollars. Select one of the methods of cost estimate adjustment below.

(a) Inflation Factor A inflation adjustments using an inflation factor may changes have occurred in the facility operation who derived from the most recent implicit Price Deflato survey of Current Business. The inflation factor is	only be made whe ich would necessit r for Gross Nationa the result of dividir	ate modification to the closure plan. I Product published by the U.S. Dep of the latest published annual Dallat	The inflation pariment of Co torby the Defi	factor is visinezce in its ator for the
This adjustment is based on the Department				13, 2003 (w/renewal application)
Latest Department Approved		Current Year	, , , , , , , , , , , , , , , , , , , 	Inflation Adjusted
\$14,120,588.53	× _	1.0150	=	\$14,332,397.46
This adjustment is based on the Departm	ent approved to	ng-term care cost estimate d	lated:	
Latest Department Approved Annual Long-Term Care Cost Estimate		Current Year Inflation Factor	:	inflation Adjusted Annual Long-Term Care Cost Estimate
\$728,239.81	x _	1.0150	*	\$739,163.41
Number of 1	rears of Long-T	erm Care Remaining:	×	30
initiation Ac	ijusted Long-7	erm Care Cost Estimate:	#	\$22,174,902.21
This is to certify that the Financial Assurance Cost & management facility have been examined by me and professional judgment, the Cost Estimates are a true long-term care of the facility and comply with the requestrant of Environmental Protection rules, and a Estimates whill be submitted to the Department animal Signature of Engineer Juantita Bader Clem, P.E. Marne & Title (please type) 43245 Florida Registration Number (affix seel)	i found to conform b, correct and comp ulrements of Florid fatures of the State unity, revised or ad	to engineering principles applicable iste representation of the financial file Administrative Code (F.A.C.), Rule of Floridia. It is understood that the justed as required by Rule 62-701.6 Signature of Owner-Chris Pearson, Open Name & Title (please (904) 630-4593	to such feeliti abilities for ok a 62-701.830 a Financial Ass (30(4), F.A.C. Operator	reing and and all other surance Cost
14775 St. Augustine Road, Jax, FL 32258 Mailing Address		Telephone Number chrisp@col_net Owner/Operator E-M	leil Address	
(904) 642-8990 Telephone Number DEP FORM 62-701.990(28) Effective		ciemi@eiminc.com Engineer's E-Mail Ac		Page 2 of 11

Page 2 of 11

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Interoffice Memorandum

NORTHEAST DISTRICT - JACKSONVILLE

TO:

Fred Wick - MS 4565

THROUGH:

Mary Nogas, P.P.

FROM

Inlia Boesch &

Solid Waste Engineer

DATE:

August 20, 2003

SUBJECT:

Trail Ridge Landfill

Review of the Financial Assurance Annual Cost Adjustments

Permit No. 0013493-002-SC

The Department has completed review of the cost estimates (copy enclosed for your files) provided on August 19, 2003 to comply with the requirements of Florida Administrative Code Chapter 62-701. The following cost estimates have been approved for the subject facility (2003 cost estimates):

Active Class I Landfill

Closure Construction Cost Estimates - \$ 14, 120, 588.63

Annual Long-Term Care Cost Estimates - \$ 728, 239.81

Total Long-Term Care Cost Estimates - \$ 21, 847,194.15 (30 years)

The following is for your information:

Applicant name: Trail Ridge Landfill, Inc.

Contact person: Greg Mathes Title: District Manager

Phone number: (994) 289-9100

MCN:jb:ml

Enclosures

Chris Pearson, City of Jacksonville Juanitta Bader Clem, England Thims & Miller August 19, 2003

Ms. Mary C. Nogas, P.E.
Waste Management Section
Department of Environmental Protection
7825 Baymeadows Way, Suite 200B
Jacksonville, Florida 32256

Reference:

Trail Ridge Landfill

2002 Financial Assurance Cost Estimates

FDEP Permit No. 0013493-002-SC

ET&M No. E02-025

Principale
James E. England, P.E., CEO
Cougles C. Miller, P.E., President,
N. Hugh Mathews, P.E., Esse., V.P.
Joseph A. Terwer, Esse., V.P.
Juenitta Sader Clere, P.E., V.P.
Septt A. Wild, P.E., PSM, V.P.
Septual R. Crissinger, C.PA, V.P.
Robert A. Mizel, Jr., P.E., V.P.
Bryan R. Scauser, V.P.
Bryan R. Scauser, V.P.

RECEIVED

AUG 1 9 2003

STATE OF FLORIDA DEPT OF ENV. PROTECTION NORTHEAST DISTRICTUAX

Dear Ms. Nogas:

On behalf of Trail Ridge Landfill, Inc. and the City of Jacksonville, we hereby submit the Financial Assurance Cost Estimate Form for 2003 for the referenced facility, in accordance with Rule 62-701.630(4)(a), F.A.C. Please note that these cost estimates are based upon the 2002 Financial Assurance Cost Estimates provided to the Department in the Second Permit Renewal on September 25, 2002 and updated on December 13, 2002.

If you have any questions regarding this information, please feel free to give me a call.

Sincerely,

ENGLAND, THIMS & MILLER, INC.

manatta Bader Clem, P.E.

Vice President

Attachment

cc:

Chris Pearson Greg Mathes Achaya Kelapanda Mark Behel

14775 St. Augusting Ro. • Jackbonville, Fl. 22258 • Tel: (204) E42-5220 • Fax: (204) 545-9455



Florida Department of Environmental Protection

Twin Towers Office Bidg., 2600 Blair Stone Road. Tallahasses, FL 12399-2400



DEF FORE ! 62-701.900(21)

Ports Diller Financial Assessmen Cost Estimate Forces

Effective Date:

DEP Application No.

(Filled by DEP)

FINANCIAL ASSURANCE COST ESTIMATE FORM

Date:	Augus	1 18, 2003		Date of	DEP Approv	al:	•		
L GENERAL	. INFORMAT	ION:					· ·		· · · · · · · · · · · · · · · · · · ·
Facility Name Permit Applic Facility Addre Permittee; Malling Addre	e: eation No.: ess	Trail Ridge 0013493-(5110 U.S. Trail Ridge		newal of SC 01, Baldwin, c.	16-184444) Florida 3223		WACS or GMS Expiration	SID #: GMS3 Date: Noven	1115P02787 nber 25, 2002
	Latitude:	30°14'00"N		Longitud	le: <u>82°02'30'</u>	<u>'w</u>	or UTM:		
Solid Waste	Disposal Un	its included	d in Estima		. 14				
Phase/Cell		Acres		Date Un Began Acceptin Waste		Fron	ion Life of Uni Date of Initia Selot of Waste		
1-V	•	144		18-May-9	<u> </u>		0 +/- Years		
					-			Market and a second	
Total Landfill A	creage Induc	ied in this e	stimate:		119	_Closure	144	Long Te	rm Care
The entire land (71.3 acres of	ifill less close Top area and	d aneas (25 1 47.7 acres	Ac +/-), after of side slop	er FIII Phase ce)	10 (the estin	nated worse	case).	•	
Type of Landfill	· _	<u> </u>	lass t		_Class III		C&D Deb	ris	
il. TYPE OF Fil	NANCIAL AS	SURANCE	DOCUMEN	NT (Check T	ype)				
· · · · · · · · · · · · · · · · · · ·	Letter of Cr	edit*			Insurance C	Certificate		* indicates	
	Performance	e Bond*		<u> </u>	_Escrow Acc	ount	1	rechanisms (require use o	la de la
	Guaranty B	ond*			Trust Fund	Agreement	2500	andby Trust I Agreement	
Northwest District O Governmental Center Macale, PL 32501-5794 850-596-8350	7825 Başımende Judasçıville,	per Climitet nas Winy, Bin. 8208 Pl. 32,268-7600 48-4500	3319 Maguñ Oriando, F	mai Divertes re Bhys., 196., 202 7. 32000-0707	Southwest I 8904 Coconst Thomps, JR. 813-744-9	Poin Dr. 25 53010 Fe	Sauth Cliefect 195 Victorie Ave., din.; ort Myen, Fl., 23901-21 941-223-0176	184 400 ekerft i 181 Wheel Paker is	ped (Platica Congress Assa, secto, Pl., 20401 101-4600



40 CFR Part 284 H as adopted by reference in a country of the methods of cost estimate adjustment belong an inflation to the methods of cost estimate adjustment belong the methods of cost estimates adjustment belong the cost estimates adjustment belong the cost estimates adju	factor or be recald			
(a) inflation Factor Ad inflation adjustments using an inflation factor may or changes have occurred in the facility operation which derived from the most recent implicit Price Defiator survey of Current Business. The inflation factor is to previous year. The inflation factor may slee be obta	ijustment my be made whe ch would necessi for Gross Nation the result of dividi	ate modification to the closure plan. at Product published by the U.S. Depa ng the latest published annual Deflato	The Inflation (niment of Co r by the Defi	ector is numerce in its stor for the
This adjustment is based on the Departme	ent approved	closure cost estimate dated:	Dec. 1	3, 2003 (w/mnewal application)
Latest Department Approved		Current Year		Inflation Adjusted
\$13,980,780.82	x .	1.0100	#	\$14,120,588.63
This adjustment is based on the Departme	ent approved i	ong-term care cost estimate di	ited:	
Latest Department Approved Annual Long-Term Care Cost Estimate		Current Year Inflation Factor		inflation Adjusted Annual Long-Term Care Cost Estimate
\$721,029.51	×	1.0100	=	\$728,239,81
Number of Y	ears of Long-	Term Care Remaining:	X	30
Inflation Ad	justed Long-	Term Care Cost Estimate:	舜	\$21,847,194.15
(b) Recalculate Estima IV. CERTIFICATION BY ENGINEER	tes (see sect	ion V)		
This is to cartify that the Financial Assurance Cost Emanagement facility have been examined by me and professional judgment, the Cost Estimates are a true long-term care of the facility and comply with the received the profession rules, and signatures of Engineer Signature of Engineer Juanitta Bader Clem, P.E. Name & Title (please type) 43245 Florida Registration Number (affix seal)	i found to conform , correct and com ulrements of Flori tatules of the Sta	n to engineering principles applicable in plete representation of the financial li de Administrative Code (F.A.C.), Rule te of Florids. It is understood that the	to such facilities for classical facilities for classical Assertion (A.C.) Operator atlones Mar	ceing and and all other suzance Cost
14775 St. Augustine Road, Jax. FL 32258 Mailing Address	 	chrisp@coj.net Owner/Operator E-M	ail Addres	В
(904) 642-8990 Talephone Number		ciemi@etminc.com Engineer's E-Mail Ad	dness	199 ()
DEP FORM 62-701.900(28)		•		

НР САБЕРЛЕТ 3330

02:8 2005 80 Aut

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Interoffice Memorandum

NORTHEAST DISTRICT - JACKSONVILLE

TO:

Fred Wick

THROUGH: Mary Nogas, P.E.

FROM:

Julia Boesch

Solid Waste Engineer

DATE:

August 18, 2003

SUBJECT:

Trail Ridge Landfill

Review of the Financial Assurance Annual Cost Adjustments

Permit No. 0013493-002-5C

The Department has completed review of the cost estimates (copy enclosed for your files) submitted on September 26, 2002 with revised pages, 3-6, submitted on December 16, 2002, with the permit renewal application and to comply with the requirements of Florida Administrative Code Chapter 62-701. The following cost estimates have been approved for the subject facility:

Active Class I Landfill

Closure Construction Cost Estimates - \$ 13,980,780.82

Annual Long-Term Care Cost Estimates - \$ 721, 029.51

Total Long-Term Care Cost Estimates - \$ 21,630,885.19 (30 years)

The following is for your information:

Applicant name: Trail Ridge Landfill, Inc.

Contact person: Greg Mathes

Title: District Manager

Phone number: (904) 289-9100

MCN:mbl

Enclosures

Chris Pearson, City of Jacksonville Juanitta Bader Clem, England Thims & Miller





Twin Towers Office Hidg., 2400 Hieir Smon Road, Tallahaisse, FL 32399-2400

DEP Form # 62-701.40	970	
Part Title Physical	and stated for resemble	
Allbodye Date:		
DEP Application No.		•
	(Fished by OEEP)	

FINANCIAL ASSURANCE COST ESTIMATE FORM

Dete:	Augus	t 19, 2002		Date of	DEP Approval	!:	-		
L GENERAL	INFORMAT	ION:							
Facility Name	s:	Trail Ridge C	Xass I La	ndfilli		v	VACS or GMSI) #: GM83116	P02787
Pennit Applic		0013483-00			18-184444)	m _e n		ate: November	
Facility Addre				والمستوالي والتناوي	Florida 32234	_	,andrewers	134.422419549	
Permittee:	- Page -	Trail Ridge L			I IOIMA DIESO				-
Mailing Addre		Same as fac							_
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	Latitude:	30°14'00"N		Langitud	de: 82°02'30'V	N.	or UTM:	***************************************	
Solid Waste	Diaposal Ur	ilts Included	n Estima	•		•			
ೌhase/Celi		Anina	·	Date Ui Begar Accepti	ng	From	ion Life of Unit Date of Initial	, .	
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	•				<del></del>	<del></del>		•	
Total Landfill A	creage inclu	ded in this esti	mate;		119	Closure	144	Long Term (	)are
The entire land (71.3 acres of	ifili less close f top area and	d areas (25 A d 47.7 acres of	c +/-), afti f.side sloj	er Fill Phase (a)	10 (the estima	ated worse	case).		
Type of Landfill	l	X Cia	ss i	-	Class III		C&D Debris	: 3	
IL TYPE OF FI	NANCIAL AS	ssurance d	ocumei	NT (Check T	ура)		,	•	
	Letter of Cr	edit*			insurance Ce	ertificate		* indicates	
	Performance	e Bond*	•	X	Escrow Acco	t sa <del>nd</del>		chanisms that	
	Guaranty B				•		Stan	juire use of a dby Trust Fund	
<del></del>	anai wirk D	· ·	•	-	Trust Fund A	gneement		Agraement	
Northwest District	Deelle	net Distribut		-1				Same Same	. (
9 Governmentel Center mentole, PS. #2501-6794	7825 Bayermedo	40 Wing, Sta. 8200 Ft. 32259-7590	3319 Meguin	ni Chaici e Ghri., Sh. 232 L. 32802-3787	Stock Comment File Stock Comment Pa Tamps, FL 33	in Dr. 275	South District 16 Victorie Ave., Ste. 304 1 Myers, PL 33901-2001	Accidence De 400 Bosto Cangra West Polic Shouls, P	m Anda

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12:6 200S 80 nuc



40 CFR Plant 284 H as adopted by reference in Cost estimates may be adjusted using an inflation fac	ctor or be reca			
one of the rusthods of cost estimate adjustment below	₩.			
(a) inflation Factor Adjustments using an inflation factor may only changes have occurred in the facility operation which derived from the most recent implicit Price Deliator to survey of Current Business. The inflation factor is the	ly be made wh would necess or Gross Nation s result of divid	itate modification to the closur nai Product published by the U fing the latest published annua	e plan. The inflation S. Department of Ci i Deflator by the Defl	factor is ommerce in its lator for the
previous year. The inflation factor may also be obtain	ed from the S	olid Waste Financial Coordinal	or at (850) 488-0300	<u> </u>
This adjustment is based on the Departmen	it.approved	closure cost estimate da	ted:	<del></del>
Latest Department Approved		Current Year		Inflation Adjusted
	X		=	
			•	
This adjustment is broad as the Department	4 mm and and		note defects	
This adjustment is based on the Departmen	t approved		Mia Aspo:	
Latest Department Approved Annual Long-Term Care Cost		Current Year Inflation Factor		Inflation Adjusted Annual Long-Term Care Cost
Estimate			· · · · · · · · · · · · · · · · · · ·	Estimate
	· <b>x</b>		#	
Number of Yes	ars of Long-	Term Care Remaining:	х	
	_			7
) Intration Adju	sted Long-	Term Care Cost Estima	109: =	
(b) Recalculate Estimate	s (see seci	ion V)		
W. CERTIFICATION BY ENGINEER				
This is to cedify that the Financial Assurance Cost Estimanagement facility have been examined by me and to				ies, in my
professional judgment, the Cost Estimates are a true, or long-term care of the facility and comply with the require	omect and con	aplete representation of the fina	unciel liabilities for d	Osing and
Department of Environmental Protection rules, and state				
Estimates shall be submitted to the Department annual	ly, revised or a	edjusted as required by Rule 8	2-701.630(4), FA.C.	
	ע	$\alpha b$		
I from to Doder	Um.	- lu	fler	
Signature of Engineer	71751		wner/Operator	
Juanitta Bader Clem, P.E.	11031		Operations Mar	nager
Name & Title (plaase type)	•	Name & Title (		
43245 Florida Registration Number (affix seal)		(904) 630-4593 Telephone Nui		++++++++++++++++++++++++++++++++++++++
<del>-</del>	•	•		
4775 St. Augustine Road, Jax. FL 32258 Mailing Address		chrisp@coj.net Owner/Operate	r E-Mail Addres	<u> </u>
1964) 642-8990		clemi@etminc.		
Telephone Number		Engineer's E-M		
DEP FORM 62-701,900(28)				

4

Page 2 of 11

#### V. RECALCULATE ESTIMATED CLOSING COSTS

For the time period in the landing operation when the socient and manner of its operation makes closing most expensive.

** Third Party Estimate/Quote must be provided for each item Costs must be for a third party providing all materials and labor

DESCRIPTION	זואוד		QUANTITY	UNIT COST		TOTAL
Proposed Monitoring Wells     The monitoring wells have been	installed as ; EA	part of ope	(Do not include well eration.	ls already in existe	nca)	\$0.00
2. Slops and Fill (bedding layer between	en waste ar	nd barrier	layer):			
Excavation	ÇY.	NA		\$0.00		\$0.00
Placement and Spreading	ŞY		575,960	\$0.99	(a)	\$570,200.40
Compaction Included with Placement and S	CY preading		0	\$0.00		\$0.00
Off-Site Material included as part of operation	CY.		0	\$0.00		\$0.00
Delivery	CY		0	\$0.00		\$0.09
included as part of Placement	and Spreadin	ng .	Subtotal Monitoring	Weils:	•	\$570,200.40
. Cover Material (Barrier Layer);		•	;			
Off-Site Clay	CY		76,956	\$15.00	<b>(b)</b>	\$1,154,340.00
Synthetics - 40 mil	SY		345,092	\$3,105	(c)	\$1,071,510.68
Synthetics - GCL	SY	NA	6	\$0.00		\$0.00
Synthetics - Geonet	SY	NA	0	\$0.00		\$0.00
Synthetics - Other	SY	ŅA	0	\$0.00		\$0.00
			Subtotal Barrier Laye	r Coyer:		\$2,225,850.68
Top Sali:						•
Off-Site Material (sand)	CY		115,031	\$6.27	(d)	\$721,244.37
Off-Site Material (top soil)	CY		268,943	\$12.00	(p)	\$3,227,316.00
Dailvery Included with material	er		0	\$0.00		\$0.00
Spread included with material	CY		0	\$0.00	*	€0.00
			Subtotal Top Soil Cov			\$3,948,580.37

Unit price based upon Bid prices from R.B. Baker Construction, Inc. received February 7, 1997 for Closure of Side-Slope Units 1-4 and 12-20 and multiplied by an inflation factor of 1.02 for 1998, 1.01 for 1999, 1.015 for 2000 and 1.02 for 2001.

**DEP FORM 62-701,900(28)** 

Effective



Unit price based upon Bid prices from R.B. Bailer Construction, Inc. received October 19, 2001 for intremental Closure Construction. Based upon Tectured/Two Sides, 40 mit HDPE liner material from GSE as provided by Bob Treater on August 19, 2002.

d. Unit price based upon Bid prices then R.B. Batter Construction, Inc. received April 7, 2000 for Third Construction increment and Incre. by an Inflation factor of 1.02 for 2001.

DESCRIPTION	TINU		QUANTITY	UNITEDST		TOTAL
5. Vegetative Layer:			,		,	
Sodding	SY	÷	575,960	\$1.87	<b>(a)</b>	\$1,077,045.20
Hydroseeding Included with sodding	AC		0	\$0.00		\$0.00
Fertilizer included with sodding	AC	•	0	\$0.00		\$0.00
Mulch	AC	NA	0	\$0.00		\$0.00
Other	SY	NA	0	\$0.00		\$0.00
· · · · · · · · · · · · · · · · · · ·			Subtotal Vegetati	ve Layer.		\$1,077,045,26
8. Stormwater Control System	n:					
Earthwork	CY		8,415	\$5.71	(a)	\$48,049.65
Grading Included with Earthwork	SY			\$0.00		\$0.00
Piping	LF		4,240	\$90.48	<b>(b)</b>	\$383,635.20
Ditches	LF	N/A	0	\$0.00	٠	\$0.00
<b>Berms</b>	LF	N/A	0 .	\$0.00		\$0.00
Control Structures	EA	N/A	0	\$0,00		\$0.00
Other Terrace Dra Underdrain	ins EA LF		58 41,861	\$5,500.00 (t		\$398,000.00 \$669,776.00
	•		Subtotal Stormwate	er Controls:		\$1,409,460.85
'. Gas Controls: Passive						
Wells	EA	N/A	. 0	\$0.00	-	\$0.00
Pipe and Fittings	뱌	N/A		\$0.00		\$0.00
Maniforing Probes The gas monitoring probes	EA s have been in	stalled.	0	\$0.00	-	\$0.00
NSP6/Title V requirements	LS	•	0	\$0.00	\-	\$0.00
•			Subtotal Passive Ge	as Controls:		\$0.00

a. Unit price based upon Bid prices from R.B. Baker Construction, inc. received April 7, 2000 for Third Construction increment and increased by an inflation factor of 1,02 for 2001.
 b. Unit price based upon Bid prices from R.B. Baker Construction, inc. received October 19, 2001 for incremental Closure Construction.

DEP FORM 62-701.900(28) Effective

DESCRIPTION	TINUT	QUANTITY	UNIT COST		TOTAL
8. Gas Control: Active Extraction	49				
Traps	EA	5	\$3,136.00	(a)	\$15,680.00
Sump Installed during operation	EA	6	\$0.00		\$0.00
Flare Assembly	EA	1	\$138,626.67	<b>(a)</b>	\$138,626.67
Flame Arrastor installed during operation	EA	0	\$0.00		\$0.00
Mist Eliminator Installed during operation	EA	0	\$0,00	•	\$0.00
Flow Meter Installed during operation	ËA	0	\$0.00		\$0.00
Blowers Included with the Flare Assem	EA bly	0	\$0.00	•	\$0.00
Collection System 6" Pipes and Fittings 8" Pipes and Fittings 10" Pipes and Fittings	ᄕ	7,000 1,300 4,700	\$25.00 \$30.00 \$30.00	(b) (b)	.\$175,000.00 \$39,000.00 \$141,000.00
Other (describe)		·		<b>4.</b>	
Control Valves Wells (44 wells @ 140 FT.) Well Head Assembly	EA FT EA	8,180 44	\$3,000.00 \$100.00 \$1,000.00	(b) (b)	\$15,000.00 \$616,000.00 \$44,000.00
•		Subtotal Active G	ias Extraction:		\$1,184,306.67
9. Security System: The se	acurity system	n was installed as part	of the operation.		
Fencing -	LF .	0	\$0.00		\$0.00
Gate(s)	EA	0	\$0.00		\$0.00
Sign(s)	EA	0	\$0,00		\$0.00
Ditches	LF		\$0.00		\$0.00
•		Subtotal Security	System:	-	\$0.00
10. Engineering:					
Closure Plan Report	LS	1	\$70,000.00	-	\$70,000.00
Including Closure Permit Certified Engineer Included in Certification of Closu	LS re	00	\$0.00	-	\$0.00
NSPS/Title V Air Permit A Title V Air Permit has been isse	LS ued	0	\$0.00		\$0.00
Final Survey	LS	<u>4</u>	\$60,000.00		\$60,000.00
Cartification of Closure	LS	1	\$20,000.00		\$20,000.00
Other (Detail)			**		•••
Construction Drawings	ls Ls	0	\$250,000		\$0.00 \$250,000.00
		THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS	متبكرة البنتينة عبدالجب	-	

unit price based upon Bid price from R.B. Baker Construction, Inc. received on June 29, 1998 for construction of Phase 1
Gas Management system and multiplied by an inflation factor of 1.01 for 1999, 1.015 for 2000 and 1.02 for 2001,
 Unit price based upon Bid prices from R.B. Baker Construction, Inc. received October 19, 2001 for incremental Closure Construction.

DEP FORM 82-701,900(28)

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11. Professional Serv	ines				. 4	)	
1 1 1 1 an annual (20) 1		tract Mana	gement		Quality Ass	urance	
• •	Rate/Hr	Hours	LS	Rate/Hr		LS	Total
P.E. Supervisor	\$125	104	\$13,000	\$105.00	100	\$10,500	\$23,500
∪n-Site Engineer	\$0	0	\$0	\$65.00	1200	\$78,000	\$78,000
Office Engineer	\$100	208	\$20,800	\$90.00	400	\$36,000	\$56,900
On-Site Technician	\$75	1300	\$97,500	\$40.00	4800	\$192,000	\$289,500
Other (Explain)	, .						
Clerical			\$5,824				\$5,824
Expenses			\$10,000			<del>1</del> .	\$10,000
DESCRIPTION			UNIT	QUANTIT	Ŷ	UNIT COST	TOTAL
Quality Assurance Tes	sting		LS	1	•	\$85,000.00	\$65,000.0
•	· -			Subtotal F	rofession	al Services	\$528,624.0
				Subtotal of 1-11	Above:		\$11,344,048.1
•						·	
2. Contingency	•	15	% of Total		•		\$1,701,607.22
				Closing Cost Su	btotai:		\$13,045, <del>6</del> 55.37
3. Site Specific Costs	(explain)		•				
Mobilization/Demol	bilization (5.0%	6 of Const	nuction Cost)				\$520,771.2°
Waste Tire Facility	(100 tons at \$	102 per to	<b>n)</b> (	(a)	•		\$10,200.00
Materials Recovery	Facility	<del></del>		N/A			\$0.00
Special Wastes				•			\$50,000.00
Leachate Manager	nent System M	odification	· I ·	N/A		·	\$0.00
Other - Bonds (1,0%	% of Construct	ton Costs)			_	——	\$104,154.24
	•		٠			· 	\$250,000.00
Erosion Control (du	ring construct	on)	<del></del>	•			
	ring construct	ion)		Subtotal Site Spec	ific Costs:		\$935,125, <i>4</i> 5

a. Based upon Trail Ridge Landfill Inc.'s current cost to handle waste tire disposal

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VI. ANNUAL COST FOR I	ONG-TERM CAR	! (Ch€	ick Term Length)	
· .	5 Years	20 YearsX	30 Years	Other
See 62-701.600(1)a.1., 62- For landfills pertified closed and provide years remaining	Land Department a	.630(3)a. and 62-701.73 coepted, enter the remain	0(11)b. F.A.C. for ning long-term car	required term length. e length as "Other"
	* Costs must be for	nate/Quote must be provi a third party providing at	material and labo	r
All items must be addresse		t explanation for all items	marked not appli	cable (N/A)
Description	Sampling Frequency (Events/yr.)	Number of Walls	\$Well/Event	\$/Year
1. Groundwater Monitoring	(62-701.510(6), and	i (8)(a <del>)</del> )	•	
Monthly	12	0	\$0.00	\$0.00
Quarterly	4	0	\$0.00	\$0.00
Semi-Annual	2	37	\$346.80	(a) (c) \$25,863.20
Annual			\$0.00	\$0.00
Other		•		
Blennial Report	`0.5		\$5,200.00	\$2,600.00
Semi-Annual Report  Background	2 . 0.20	37	\$1,750.00 \$1,053.66	\$3,500.00 (1 (a) (c) \$7,797.08 (1
Daire And Int	y.20	Subtotal Groundwa		\$39,560.28
Surface Water Monitoring	(62-701,510(4), an	d (8)(b1)		
Monthly	12	0	\$6,00	\$0.00
Quarterly	4	0	\$0.00	\$0.00
Semi-Annual* * Semi-Annual report inc	2 luded with groundw	2 ater monitoring report.	\$313.14	(a) (c) \$1,252.58
Annual	1	0 Subtotal Surface W	\$0.00 ater Monitoring:	\$0.00 \$1,252.56
Gas Monitoring				•
Monthly	12	0	\$0.00	\$0.00
Quarterly	4	10	\$38.76	(c) \$1,550,40
				•

DEP FORM 62-701.900(28)

Semi-Annual Report

Semi-Annual

Annuai

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\$0.00

\$0.00

\$1,300.00 \$2,850.40

Subtotal Gas Monitoring:

\$0.00

\$650.00

<sup>a. Includes sampling and analysis.
b. Includes all reporting (groundwater, surface water and leachate).
c. Unit cost for 2000 has been multiplied by an inflation factor of 1.02 for 2001.</sup> 

· · · · · · · · · · · · · · · · · · ·		·			
Description	Sampling Fraquency (Events/yr.)	Number of Locations	\$/Location/Event		\$/Year
4. Leachate Monitoring	g (62-701.510(5), (6)(	(b) and 62-701.510(8))			
Monthly	12		\$0.00		\$0.00
Quarterly	4	0	\$0.00		\$0.00
Seni-Annual	2	2	\$344.76	(a)	\$1,379.04
Annual	e we	<u> </u>	\$0.00		\$0.00
Composite	4	1	\$830.28	(a)	\$3,321.12
,		Subtotal Leachate M	fonitoring:		\$4,700.16
DESCRIPTION	UNIT	QUANTITY	UNIT COST	·····	ANNUAL COST
5. Leachate Collection/					
	11002HOLE SYOURGE				
Maintenance Collection Pipes	<b>F</b>	0	\$6.00		\$0.09
Sumps, Traps	. <b>E</b> A	0	\$0.00		\$0.00
Lift Stations	ĖA	1	\$30,000.00		\$30,000.00
Cleaning	LS	. 0	\$0.00		\$0.00
Tanks	EA	0	\$0,00		\$0.90
mpoundments					•
Liner Repair	SY	0	\$0.00		\$0.00
Siudge Removal	CY	<u> </u>	\$0.00	<b>3</b>	\$0.00
eration System	•			•	
Floating Aerators	EA	O	\$0.00	-	\$0.00
Spray Aerators	EA	<u> </u>	\$0.00		\$0.00
)isposal					1.1.16451
	000 gailons	3,838,53 (c)	\$33.05	(p) -	\$126,848.06
(includes Transport	amou aur Disbusii)	Subtotal Leachate Co	lection Maintenance		\$1,56,848.06

⁽a) includes sampling and laboratory analysis.

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⁽b) Based upon current transportation cost of \$175 per 6000 gallon load and a disposal cost of \$19,40 per 5000 gallons.

⁽c) Passed upon leachate generation rates at Trell Ridge Landill from July 2000 thru June 2001.

#### 6. Leachate Collection/Treatment Systems Operations

Operation P.E. Supervisor	HR	Hours 104	\$/Hour \$26.56	(b)	Total \$2,772.54
r.E. ouperviser	rire.	104	\$20.00	(4)	42,112.04
On-Site Engineer	HR	0	\$0.00		\$0.00
Office Engineer	HR	0	\$0.00		00.00
On-Site Technician	HR	416	\$19,20	(b)	\$7,987.20
Materials	LS	0	\$0.00		\$0.00
	Subtotal Leachate Colle	action/Treatment System	Maintenance & Operation	Ľ	\$10,759.84
7. Maintenance of Groundwate	ar Monitoring Wells	Assume replacemen	nt of one well per year.		
Monitoring Wells	LF		\$5,652.80	(a)	\$5,852.80
Replacement	EA	00	\$0.00		\$0.00
Abandonment	EA	00	\$0.00	,	\$0.00
	Subtotal Groundy	rater Monitoring Well A	Maintenance:		\$5,652.80
DESCRIPTION	UNIT	QUANTITY	UNIT COST		ANNUAL COST
	• •				
8. Gas System Maintenance	Assume \$30,000	per year for all mainter	nance.		
8. Gas System Maintenance Piping, Vents	Assume \$30,000	per year for all mainter	<b>\$0.03</b>		\$0.00
				•	\$0.00 \$0.00
Piping, Vents	<b>LF</b>	0	\$0.00	•	
Piping, Vents Blowers	LF Ea		\$0.00 \$0.00	•	\$0.00
Piping, Vents Blowers Flaring Units	LF EA EA		\$0.00 \$0.00 \$0.00	•	\$0.00 \$0.60
Piping, Vents Blowers Flaring Units Meters, Valves	LF EA EA		\$0.00 \$0.00 \$0.00	•	\$0.00 \$0.00
Piping, Vents Blowers Flaring Units Meters, Valves Compressors	LF EA EA EA		\$0.00 \$0.00 \$0.00 \$0.00	•	\$0.00 \$0.60 \$0.00
Piping, Vents Blowers Flaring Units Meters, Valves Compressors Flame Arrestors	ea Ea Ea Ea	0 0 0 0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00	•	\$0.00 \$0.00 \$0.00 \$0.00
Piping, Vents Blowers Flaring Units Meters, Valves Compressors Flame Arrestors	ea Ea Ea Ea	0 0 0 0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00		\$0.00 \$0.00 \$0.00 \$0.00 \$0.00
Piping, Vents Blowers Flaring Units Meters, Valves Compressors Flame Amestors Operation	ea Ea Ea Ea	0 0 0 0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	a)	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00
Ploing, Vents Blowers Flaring Units Maters, Valves Compressors Flame Arrestors Operation 9. Landscape	LF EA EA EA EA LS	0 0 0 0 0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 bitotal Gas System:	a)	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00

DEP FORM 62-701.900(28)

Annual cost for 1997 was multiplied by an inflation factor of 1.02 for 1988, 1.01 for 1989, 1.015 for 2000 and 1.02 for 2001.
 Labor raise include direct and indirect labor costs, including benefits, etc. The 1997 raise were multipled by an inflation factor of 1.02 for 1998, 1.01 for 1999, 1.015 for 2000 and 1.02 for 2001.

ESCRIPTION	T		QUANTITY	III COST		ANNUAL COST
0. Erosion Control & Cover Ma	intenance			<u>.</u>		
Sodding	SY	*	15,004	\$1.87	(a)	\$28,057.48
Regrading included with Seeding, So	SY	•	15,004	\$0.99	(a)	\$14,853.96
Liner Repair Included with Seeding, Soil	SY	**	7,502	\$3.105	(b)	\$23,293.71
Clay	CY	**.	2,501	\$15.00	(c)	\$37,515.00
		Subtot	al Erosion Contro	and Cover Maintenance:		\$103,720.15
* 2% of the 155 acre landfil ** 1% of the 155 acre landfil						
L Storm Water Management S	ystem Mainta	nance				
Conveyance Maintenance	LS		1	\$4,906.20	(a)	\$4,906.20
Ditch Cleaning	LF		10,400	\$1.06	(a) <u>.</u>	\$11,024.00
	•		Subtotal Storm V	Vater System Maintenance:		\$15,930:20
Security System Maintenance		Assum	e \$10.000 per ye	ar for all maintenance.		•
Fences	UF				4	
Gate(s)	EA				4	
Sign(s)	EA				•	· · · · · · · · · · · · · · · · · · ·
				Subtotal Security System:		\$10,000.00
						<b>4.10,000.00</b>
Utilities Include Leachate Pumps, B	LS Jowers, Lightli	ng, etc.	1	\$42,728.00 (	e) _	\$42,728.00
Include Leachate Pumps, B		ng, etc.	1	\$42,728.00 (	e) <u> </u>	· .
Include Leachate Pumps, B		ng, etc.	2,080		e) _ d) _	· .
include Leachate Pumps, B Administrative	lowers, Lightli	ng, etc.			•	\$42,726.00
include Leachate Pumps, B Administrative P.E. Supervisor	lowers, Lightli HR	ng, etc.	2,080	\$26.66 (	•	\$42,728.00 \$55,452.80
Include Leachate Pumps, B  Administrative  P.E. Supervisor  On-Site Engineer	lowers, Lightle HR HR	ng, etc.	2,080 0	\$26.66 (a	ď) _ -	\$42,728.00 \$55,452.80 \$0.00
Administrative P.E. Supervisor On-Site Engineer Office Engineer	lowers, Lightia KR KR HR	ng, etc.	2,080 0 0	\$26.66 (4 \$0.00 \$0.00	ď) _ -	\$42,726.00 \$55,452.80 \$0.00 \$0.00
Include Leachate Pumps, B  Administrative  P.E. Supervisor  On-Site Engineer  Office Engineer  On-Site Technician	lowers, Lightia KR KR HR	ng, etc.	2,080 0 0 0 8,320	\$28.86 (4 \$0.00 \$0.00 \$19.20 (4	ď) _ -	\$42,726.00 \$55,452.80 \$0.00 \$0.00 \$159,744.00
Include Leachate Pumps, B  Administrative  P.E. Supervisor  On-Site Engineer  Office Engineer  On-Site Technician	lowers, Lightia KR KR HR	ng, etc.	2,080 0 0 0 8,320	\$28.86 (4 \$0.00 \$0.00 \$19.20 (4 \$0.00	ď) _ -	\$42,728.00 \$55,452.80 \$0.00 \$0.00 \$159,744.00 \$0.00

DEP FORM 62-701-900(28) Effective

<sup>a. See Unit Costs in Citisure Estimates above.
b. Based upon Taxinga/Two Sides, 40 mil HDPE liner material from GSE as provided by Bob Treater on August 19, 2002.
c. Unit price based upon Bid prices from R.B. Baker Construction, inc. received October 19, 2001 for Incremental Closure Construction.
d. Labor rates lackeds direct and indirect tabor costs, including behalfs, etc. The 1997 rates were multiplied by an inflation factor of 1.02 for 1998, 1.01 for 1999, 1.015 for 2000 and 1.02 for 2001.
e. Based on average monthly utility cost of \$3,580.</sup> 

16. Site	Specific Costs (explain)	Unit Costs	
•		LS	
		LS	
		LS	
		Subtotal Administrative:	20.00
	Annual Long-Term	I CARE COST (\$/Year)	\$721,029.51
	NUMBER OF YEARS	OF LONG-TERM CARE	30
	TOTAL LONG-TEDM O	ADE CAST (S)	* \$21 830 885 10

DEP FORM 62-701.900(28) Effective

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## DEPARTMENT OF ENVIRONMENTAL PROTECTION

#### Interoffice Memorandum

# NORTHEAST DISTRICT - JACKSONVILLE

TO:

Fred Wick MS 4565

THROUGH: Mary Nogas, P.E.M

FROM:

Sam L Park/

Solid Waste Engineer

DATE:

March 1, 2001

SUBJECT:

Trail Ridge Landfill

Review of the Financial Assurance Annual Cost Adjustments

Permit No. 0013493-002-SC

The Department has completed review of the cost estimates (copy enclosed for your files) received on August 31,2000, submitted to comply with the requirements of Florida Administrative Code Chapter 62-701. The following cost estimates have been approved for the subject facility:

### Active Class I Landfill

Closure Construction Cost Estimates - \$ 14,933,272

Annual Long-Term Care Cost Estimates - \$ 770,104

Total Long-Term Care Cost Estimates - \$ 23,103,120 (30 years)

The following is for your information:

Applicant name: Trail Ridge Landfill, Inc.

Contact person: Greg Mathes

Title: District Manager

Phone number: (904) 289-9100

MCN:mbl

Enclosures

cc: Chris Pearson, City of Jacksonville

Juanitta Bader Clem, England Thims & Miller



# RECEIVED

TRAIL RIDGE LANDFILL, INC.

5110 U.S. Highway 301, South Baldwin, FL 32234-3608 (904) 289-9100 (904) 289-9013 Fax

August 30, 2000

AUG 31 2000

STATE OF FLORIDA DEPT. OF ENV. PROTECTION NORTHEAST DISTRICT—JAX

Ms. Mary C. Nogas, P.E. N Solid Waste Section Department of Environmental Protection 8928 Baymeadows Way, Suite B-200 Jacksonville, Florida 32256-7890

References

Trail Ridge Landfill

Financial Responsibility

DEP Permit Number 0013493-002-SC

Dear Ms. Nogas:

In accordance with Specific Condition 11 of our Permit, we are enclosing two (2) signed and sealed copies of the Florida Department of Environmental Protection Financial Responsibility Documentation.

If you have any questions regarding this documentation, please seel free to give me a call.

Sincerely,

PRAIL-RIDGE LANDFILL INC.

Greg Mathes District Manager

GM:Ih

Enclosures (2)

colony documents/word goag Office gas finise resp.doc

# Nogas, Mary

From:

Burson, Al [ABurson@wm.com]

Sent:

Wednesday, August 31, 2005 12:30 PM

To:

Wick, Fred

Cc:

Mathes, Greg; Nogas, Mary

Subject: Trail Ridge Landfill

Dear Mr. Wick:

Trail Ridge Landfill (I.D. Number GMS3116PO2787, Permit # 0013493-002-SC) utilizes an escrow account for financial assurance. The landfill is operated by Waste Management and owned by the City of Jacksonville.

In the past, the City of Jacksonville has submitted the closure and post closure costs for the landfill based upon information provided by an independent engineer. The closure and post closure costs are due to the Florida Department of Environmental Protection by September 1st of each year.

Even though Waste Management has agreed with the information provided by the engineer, the City of Jacksonville has expressed some concerns about the closure amount. Because of this, the annual financial assurance documentation will not be submitted by the September 1st deadline.

On behalf of Trail Ridge Landfill, Waste Management is requesting a one month (to October 1, 2005) extension to submit the financial assurance documentation to the Florida Department of Environmental Protection. Waste Management is working with the City of Jacksonville to resolve this issue as soon as possible and submit the appropriate documentation.

If additional information is required, please feel free to contact me at aburson@wm.com or at (386) 984-6608.

Al



# Department of Environmental Protection

Jeb Bush Governor Twin Towers Office Building 2600 Blair Stone Road MS 4565 Tallahassee, Florida 32399-2400

May 9, 2005

MAY 1 2005

MAY 1 2005

MAY 1 2005

STATE OF ENV. JACKSONVILLE

STATE OF ENV. JACKSONVILLE

DEPARTMENT OF RICT. JACKSONVILLE

Colleen M. Castille

Secretary

Mr. Kevin Stork City Controller 117 W. Duval Street, Suite 375 Jacksonville, Florida 32202

Re: GMS 3116P02787 - Trail Ridge Landfill GMS 3116M10016 - North Duval Landfill GMS 3116M10002 - East Duval Landfill

Dear Mr. Stork:

I reviewed the fiscal year end 2004 Independent Auditor's Report submitted to demonstrate financial assurance for the above referenced facilities. The September 30, 2004 escrow balances of \$786,465 for North Duval Landfill, \$336,145 for East Duval Landfill and \$25,195,731 for Trail Ridge Landfill adequately meets the funding requirements of Rule 62-701.630, Florida Administrative Code (F.A.C.). Therefore, the above referenced facilities are in compliance with the financial assurance requirements of Rule 62-701.630, F.A.C., at this time.

If you have any questions, please contact me at (850) 245-8732.

Sincerely

Frank Hornbrook Environmental Specialist

Solid Waste Section

FH

cc: Fred Wick, DEP/TLH Mary Nogas, DEP/JAX



# Department of Environmental Protection

Jeb Bush Governor Twin Towers Office Building 2600 Blair Stone Road MS 4565 Tallahassee, Florida 32399-2400

Colleen M. Castille Secretary

May 3, 2005

Mr. Kevin Stork City Controller 117 W. Duval Street, Suite 375 Jacksonville, Florida 32202

Re: GMS 3116P02787 - Trail Ridge Landfill GMS 3116M10016 - North Duval Landfill GMS 3116M10002 - East Duval Landfill

Dear Mr. Stork:

I reviewed the fiscal year end 2004 Independent Auditor's Report submitted to demonstrate financial assurance for the above referenced facilities. The September 30, 2004 escrow balances of \$786,465 for North Duval Landfill, \$336,145 for East Duval Landfill and \$25,195,731 for Trail Ridge Landfill adequately meets the funding requirements of Rule 62-701.630, Florida Administrative Code (F.A.C.). Therefore, the above referenced facilities are in compliance with the financial assurance requirements of Rule 62-701.630, F.A.C., at this time.

In future audits, please specify where the restricted cash in the landfill management escrow account is deposited. The audit does not clearly state that the funds are on deposit with the State Board of Administration, a bank or trust operation. Please be aware that these funds may not be part of the City's pooled investments. They may be part of the City's pooled cash as long as the funds are restricted cash deposits in an interest bearing account with a financial institution as referenced above. If you have any questions, please contact me at (850) 245-8732.

Sincerely.

Frank Hornbrook

Environmental Specialist Solid Waste Section

FH

cc: Fred Wick, DEP/TLH Mary Nogas, DEP/JAX Ernst & Young, JAX

> Visit our Web Site: http://www.dep.state.fl.us/waste/categories/swfr/ "More Protection, Less Process"

> > Printed on recycled paper

# DEPARTMENT OF ENVIRONMENTAL PROTECTION

#### **Interoffice Memorandum**

# NORTHEAST DISTRICT - JACKSONVILLE

TO:

Fred Wick - MS 4565

THROUGH: Mary Nogas, P.E.

FROM:

Julia Boesch

Solid Waste Engineer

DATE:

October 13, 2004

SUBJECT:

Trail Ridge Landfill

Review of the Financial Assurance Annual Cost Adjustments

Permit No. Permit Number: 0013493-010-SC

The Department has completed review of the cost estimates (copy enclosed for your files) provided on August 23, 2004 (dated August 12, 2004) to comply with the requirements of Florida Administrative Code Chapter 62-701. The following cost estimates have been approved for the subject facility (2004 cost estimates):

## Active Class I Landfill

Closure Construction Cost Estimates - \$14,332,397.46

Annual Long-Term Care Cost Estimates - \$739,163.41

Total Long-Term Care Cost Estimates - \$22,174,902.21 (30 years)

The following is for your information:

Applicant name: Trail Ridge Landfill, Inc.

Contact person: Greg Mathes

Title: District Manager

Phone number: (904) 289-9100

MCN:jb:ml M

**Enclosures** 

Chris Pearson, City of Jacksonville cc:

Juanitta Bader Clem, England Thims & Miller







Twin Towers Office Bldg., 2600 Blair Stone Road, Tallahassee, FL 32399-2400

DEP Form # 62-701.900(28)

Form Title: Financial Assurance Cost Estimate Form

Effective Date:

DEP Application No.

(Filled by DEP)

# FINANCIAL ASSURANCE COST ESTIMATE FORM

Date: _	August	12, 2004	-	Date of DE	P Approval:			
I.: GENERAL INFO	ORMATI	ON:						
Facility Name: Permit Application No.: Facility Address Permittee: Mailing Address:		0013493-0 5110 U.S. Trail Ridge	Class I Landf 02-SC (Renev Highway 301, Landfill, Inc. acility address	val of SC16-			: GMS3116P02787 : November 25, 2007	
Ĺ	.atitude:	30°14'00"N		Longitude:	82°02'30"W	or	UTM:	
Solid Waste Disp	osal Un	Acres	d in Estimate	Date Unit Began Accepting Waste 18-May-92	_	From Dat Receipt	ife of Unit te of Initial of Waste Years	- - -
Tatal Landell Assa			-		-	Olasura	444	- Lang Town Core
Total Landfill Acre The entire landfill (71.3 acres of to	less clos	sed areas (2	5 Ac +/-), afte		119 10 (the estima	Closure ated worse ca	144 se).	_Long Term Care
Type of Landfill		X	Class I		_Class III		C&D Debris	3
II. TYPE OF FINA	NCIAL	ASSURANO	CE DOCUMEN	IT (Check T	ype)			
	_etter of	Credit*			_Insurance C	ertificate		* Indicates
	Performa	ance Bond*		X	_Escrow Acc	ount	re	echanisms that quire use of a
	Guaranty	/ Bond*			_Trust Fund	Agreement		ndby Trust Fund Agreement

•			e e e e e e e e e e e e e e e e e e e
vould necessit Gross Nationa result of dividi	ate modification to the closure plan. ⁻ al Product published by the U.S. Depa ng the latest published annual Deflato	The inflation fa rtment of Con r by the Deflat	actor is nmerce in its
~		<u> </u>	3, 2003 (w/renewal application)
. арріотоа			
	Current Year		Inflation Adjusted
X .	1.0150	=	\$14,332,397.46
	· 		
t approved l	long-term care cost estimate d	ated:	
	Current Year		Inflation Adjusted Annual
	Inflation Factor		Long-Term Care Cost Estimate
×	1.0150	=	\$739,163.41
ars of Long	-Term Care Remaining:	X	30
isted I ona	-Term Care Cost Estimate:	=	\$22,174,902.21
es (see sec	tion V)		
found to conforce correct and correct and correments of Floatutes of the State of t	rm to engineering principles applicable implete representation of the financial orida Administrative Code (F.A.C.), Rutate of Florida. It is understood that the adjusted as required by Rule 62-701	e to such facili liabilities for colle 62-701.630 de Financial At .630(4), F.A.C	closing and and all other ssurance Cost
8/12	407	•	
			anager
		<b>7.</b> ,	
		r	
	chrisp@coj.net	-Mail Addre	200
	•		
	be made when would necessit Gross National result of dividing from the Social approved of the social approved of the social approved imates pertain found to conforce the social approved approved imates pertain found to conforce the social approved approved imates of Long approved imates pertain found to conforce the social approved approved approved imates of Long approved imates of the Social approved ap	be made when a Department approved closure cost vould necessitate modification to the closure plan. To Gross National Product published by the U.S. Deparesult of dividing the latest published annual Deflato and from the Solid Waste Financial Coordinator at (85 tapproved closure cost estimate dated:  Current Year  X 1.0150  A	be made when a Department approved closure cost estimate exiculd necessitate modification to the closure plan. The inflation for Gross National Product published by the U.S. Department of Contesult of dividing the latest published annual Deflator by the Deflated from the Solid Waste Financial Coordinator at (850) 488-0300.  It approved closure cost estimate dated:  Current Year  X

Page 2 of 11

DEP FORM 62-701.900(28)

Effective

40 CFR Pail 264,H as adopted by reference in Rule 62-701.603, Florida Administrative Code sets with the method of annual Cost estimates may be adjusted using an inflation factor or be recalculating the maximum cost of closure in current dollars. Select

# ENVIRONMENTAL RESOURCE MANAGEMENT DEPARTMENT Solid Waste Division

**Disposal Operations** 

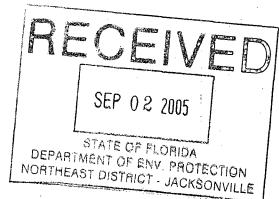
September 1, 2004

CA JACKSONVILLE RIVERS

Ms. Mary Nogas, P.E.
Supervisor – Solid Waste Section
Florida Department of Environmental Protection
7825 Baymeadows Way, Suite B-200
Jacksonville, Florida 32256

RE: Trailridge Landfill

Dear Mary,



Thank you for meeting with Tom Clayton of our Office of General Counsel and me today on such short notice. During our meeting we raised two issues, both of which require additional information or consideration prior to resolution. It is my understanding that if we provided you with some financial data you would provide us with a response. Further, I understand that Trail Ridge Landifll, Inc. had requested a thirty-day extension on the filing of the Financial Assurance Cost Estimate Form for 2005 and that you would grant the extension. Thank you for granting the extension to Trail Ridge Landifll, Inc. You indicated that you would address our two issues so that the Financial Assurance Cost Estimate Form could be filed within the time of the extension.

Issue one, dealt with what financial estimate should be used on the Financial Assurance Cost Estimate Form for closure costs. I have been advised by our permit holder that in the past we have been submitting an estimate based upon a one time closure cost. Copies of the form for 2001, 2002, 2003 and 2004 are enclosed for your review.

As you know the permit is somewhat unique in that it requires incremental closures. The costs for the four incremental closures to date are as follows:

<u>Mo./Yr.:</u>	Acres:	Actual Costs:
07/02	4	\$1,140,809
12/97	12	\$1,569,240
04/95	2.3	\$606,041
02/94	5	\$738,700

Copies of the documentation supporting these numbers is also enclosed for your review. The average cost per acre based upon the incremental closure costs is in excess of the cost per acre based upon one time closure costs.

444 East Duval Street, Suite 200 Jacksonville, Florida 32202
Telephone: (904) 630 - 4185 Fax: (904) 630 - 4191 Web: www.coj.net

September 1, 2004 Ms. Mary Nogas, P.E. Page 2

Section 62-701.630 F.A.C. provides in part that the estimated total cost of closure shall be "...for the time period in the landfill operation when the extent and manner of its operation make closing most expensive." In light of this language we are uncertain as to what estimate should be reflected on the Financial Assurance Cost Estimate Form. We appreciate you agreeing to provide us with guidance on this issue and look forward to receiving your advice.

The second issue dealt with what party should sign the Financial Assurance Cost Estimate Form. The form itself has the following language under the signature line "Signature of Owner/Operator". As the city is the owner and Trail Ridge Landfill, Inc. is the operator we are uncertain as to whom should be the signator. The only guidance we could find on this matter is the language in the permit wherein on page 8, paragraph 11, it states that, "The Permittee shall annually adjust the closure cost estimate for inflation using Form 62-701.9000(28)." This would lead us to understand that Trail Ridge Landfill, Inc. is the proper signator of this form. Again, we look forward to receiving your direction on this issue.

Again, thank you for meeting time with us on short notice, we look forward to hearing from you.

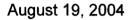
Sincerely,

Chris Pearson

Cc: A. Wood
J. Eggleton Davis
T. Clayton Esq.

# **ENVIRONMENTAL RESOURCE MANAGEMENT DEPARTMENT Solid Waste Division**





Mary Nogas, P.E. Solid Waste Section Department of Environmental Protection 7825 Baymeadows Way, Suite B-200 Jacksonville, FL 32256



Dear Ms. Nogas,

Enclosed please find two sealed originals of the 2002 Financial Assurance Cost Estimates for Trail Ridge Landfill as estimated by England, Thims & Miller, Inc.

If you have any questions, please contact Chris Pearson at 630-4185 ext. 241.

Sincerely,

Sue Barry

**Administrative Assistant** 

SB

**Enclosures** 

pc: Chris Pearson

File



August 12, 2004

**Principals** James E. England, P.E., CEO Douglas C. Miller, P.E., President N. Hugh Mathews, P.E., Exec., V.P. Joseph A. Tarver, Exec., V.P. Juanitta Bader Clem, P.E., V.P. Scott A. Wild, P.E., PSM, V.P. Samuel R. Crissinger, CPA, V.P. Robert A. Mizell, Jr., P.E., V.P. Bryan R. Stewart, V.P.

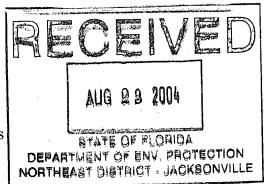
Mr. Chris Pearson City of Jacksonville Department of Solid Waste and Resource Management 140 W. Monroe Street, Suite 200 Jacksonville, Florida 32202

Reference:

Trail Ridge Landfill

2002 Financial Assurance Cost Estimates

ET&M Project No. E02-025



Dear Mr. Pearson:

On behalf of Trial Ridge Landfill, Inc., please find herewith three (3) signed and sealed copies of the 2004 Financial Assurance Cost Estimates for Trail Ridge Landfill. Please sign and submit two (2) copies of the estimates to the Florida Department of Environmental Protection.

If you have any questions, please feel free to give me a	call.
Sincerely,	
Juantita Bader Clem, P.E.  Vice President	RECEIVED ERMD/Solid Waste Division
Attachment	AUG 1 3 2004
cc: Greg Mathes Mark Behel	

Florida Department of Environmental Protection

"More Protection, Less Process

DEP Home

About DEP

Search: Programs

### **Programs**

- Waste Home
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- Solid and Hazardous Waste
- Waste Cleanup

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- Data³
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## Solid Waste Financial Responsibility



To minimize the threat to public health and the environment, Solid Waste Financial Responsibility requirements were adopted in 1984 to secure the proper closing of solid waste management facilities operating in the state of Florida. When demonstrating proof of financial responsibility, owners or operators can choose from a list of approved financial mechanisms that best meet their individual needs. The dollar amount of financial assurance required is directly tied to the current department approved closure cost estimate. Our primarily responsibility is full compliance with all solid waste financial assurance requirements. This is accomplished by providing any assistance necessary to facility owners and operators as well as provider companies attempting to meet rule requirements.

### *Current Year Inflation Factor: 1.015

For information requests or document submittal, please contact:

Solid Waste Financial Coordinator Department of Environmental Protection 2600 Blair Stone Road MS 4565 Tallahassee, Florida 32399-2400 (850) 245-8732 FAX (850) 245-8811

# **Highlights**

- Rules & Related Laws
- **Forms**
- Cost Estimates
- Provider Companies
- Facility Lists:
  - » Landfills
  - C & D Debris Disposal **Facilities**
  - Waste Processing, C&D Recycling, Waste Tire, and Soil Treatment **Facilities**
- Workshop

Last updated: June 10, 2004

#### Bureau of Solid & Hazardous Waste #850-245-8707 MS #4550

Division of Waste Management #850-245-8705 MS #4500 2600 Blair Stone Road, Tallahassee, Florida 32399-2400

**Questions & Comments Form** DEP Home | About DEP | Contact Us | Search | Site Map



# Florida Department of Environmental Protection

Twin Towers Office Bldg., 2600 Blair Stone Road, Tallahassee, FL 32399-2400



Form Title: Financial Assurance Cost Estimate Form

Effective Date:

DEP Application No.

(Filled by DEP)

# FINANCIAL ASSURANCE COST ESTIMATE FORM

Date: _	August	12, 2004	•	Date of DE	P Approval:	<del></del>			
I. GENERAL INFO	ORMATI	ON:							
Facility Name: Permit Application Facility Address Permittee: Mailing Address:	n No.:	0013493-0 5110 U.S. Trail Ridge	e Class I Land 002-SC (Rene Highway 301 e Landfill, Inc. acility address	wal of SC16- , Baldwin, Flo	WACS or GMSID #: GMS3116P02787 Expiration Date: November 25, 200				
l	_atitude:	30°14'00"N	<u>.</u>	Longitude:	82°02'30"W	or	UTM:		
Solid Waste Disp	oosal Un	its Include	d in Estimate	Date Unit					
Phase/Cell I - V		Acres 144	- -	Began Accepting Waste 18-May-92	- -	From Da Receipt	Life of Unit te of Initial of Waste - Years	 	
			- - -		• · · · · · · · · · · · · · · · · · · ·				
Total Landfill Acre	eage inclu	uded in this	estimate:		119	Closure	144	Long Term Care	
The entire landfill (71.3 acres of to					10 (the estima	ated worse ca	ase).		
Type of Landfill		X	_Class I		Class III		C&D Deb	ris	
II. TYPE OF FINA	NCIAL A	ASSURAN(	CE DOCUME	<b>NT</b> (Check Ty	ype)				
	Letter of	Credit*			_Insurance C	ertificate		* Indicates nechanisms that	
· 	Performa	nce Bond*		X	_Escrow Acc	ount		require use of a andby Trust Fund	
	Guaranty	Bond*		<u> </u>	_Trust Fund A	Agreement	0.	Agreement	

40 CFR Part 264 H as adopted by reference invule Cost estimates may be adjusted using an inflation fa one of the methods of cost estimate adjustment belo	ctor or be recald	orida Administrative Code sets for the neculating the maximum cost of closure in	method of ani current dollar	nual s. Select
Inflation Factor Adj Inflation adjustments using an inflation factor may or changes have occurred in the facility operation which derived from the most recent Implicit Price Deflator f survey of Current Business. The inflation factor is the previous year. The inflation factor may also be obtain	nly be made when the would necessing or Gross National result of dividitional results are results of dividitional results are results of dividitional results are results a	tate modification to the closure plan. The last product published by the U.S. Deparing the latest published annual Deflator	he inflation fac tment of Com by the Deflato	ctor is merce in its
This adjustment is based on the Departme	ent approved	closure cost estimate dated:	Dec. 13	s, 2003 (w/renewal application)
Latest Department Approved		Current Year		Inflation Adjusted
\$14,120,588.63	X	1.0150	= .	\$14,332,397.46
Market Control of the				
This adjustment is based on the Departme	ent approved	long-term care cost estimate da	ited:	·
Latest Department Approved Annual Long-Term Care Cost Estimate		Current Year Inflation Factor		Inflation Adjusted Annual Long-Term Care Cost Estimate
\$728,239.81	Х	1.0150	=	\$739,163.41
Number of Y	ears of Long	ı-Term Care Remaining:	X	30
Inflation Ad	ljusted Long	-Term Care Cost Estimate:	=	\$22,174,902.21
(b) Recalculate Estima	ates (see sec	ction V)		
IV. CERTIFICATION BY ENGINEER				
This is to certify that the Financial Assurance Cost E management facility have been examined by me an professional judgment, the Cost Estimates are a trulong-term care of the facility and comply with the reconstruction of Environmental Protection rules, and Estimates shall be submitted to the Department and	d found to conforce, correct and conforce, correct and conforce, c	orm to engineering principles applicable omplete representation of the financial I orida Administrative Code (F.A.C.), Rul state of Florida. It is understood that the or adjusted as required by Rule 62-701.	to such facilit iabilities for cl e 62-701.630 e Financial As 630(4), F.A.C.	osing and and all other surance Cost
Signature of Engineer	8/18	Signature of Owner	/Operator	
Juanitta Bader Clem, P.E. Name & Title (please type)	<u> </u>	Chris Pearson, Open	_	nager
43245		(904) 630-4593	30 typo)	
Florida Registration Number (affix seal)		Telephone Number	•	,
14775 St. Augustine Road, Jax. FL 32258	3	chrisp@coj.net		
Mailing Address		Owner/Operator E-	Mail Addre	SS
(904) 642-8990 Telephone Number		<u>clemj@etminc.com</u> Engineer's E-Mail <i>I</i>		
p				

Page 2 of 11

DEP FORM 62-701.900(28)

Effective

# DEPARTMENT OF ENVIRONMENTAL PROTECTION

# **Interoffice Memorandum**

# NORTHEAST DISTRICT - JACKSONVILLE

TO:

Fred Wick - MS 4565

THROUGH:

Mary Nogas, P.E.

FROM:

Julia Boesch 🥵

Solid Waste Engineer

DATE:

August 20, 2003

SUBJECT:

Trail Ridge Landfill

Review of the Financial Assurance Annual Cost Adjustments

Permit No. 0013493-002-SC

The Department has completed review of the cost estimates (copy enclosed for your files) provided on August 19, 2003 to comply with the requirements of Florida Administrative Code Chapter 62-701. The following cost estimates have been approved for the subject facility (2003 cost estimates):

# **Active Class I Landfill**

Closure Construction Cost Estimates - \$ 14, 120, 588.63

Annual Long-Term Care Cost Estimates - \$ 728, 239.81

Total Long-Term Care Cost Estimates - \$ 21, 847,194.15 (30 years)

The following is for your information:

Applicant name: Trail Ridge Landfill, Inc.

Contact person: Greg Mathes

Title: District Manager

Phone number: (904) 289-9100

MCN:jb:ml

**Enclosures** 

cc: Chris Pearson, City of Jacksonville

Juanitta Bader Clem, England Thims & Miller

August 19, 2003

Ms. Mary C. Nogas, P.E. Waste Management Section Department of Environmental Protection 7825 Baymeadows Way, Suite 200B Jacksonville, Florida 32256

Reference:

Trail Ridge Landfill

2002 Financial Assurance Cost Estimates

FDEP Permit No. 0013493-002-SC

ET&M No. E02-025

Principals

James E. England, P.E., CEO
Douglas C. Miller, P.E., President
N. Hugh Mathews, P.E., Exec., V.P.
Joseph A. Tarver, Exec., V.P.
Juanitta Bader Clem, P.E., V.P.
Scott A. Wild, P.E., PSM, V.P.
Samuel R. Crissinger, CPA, V.P.
Robert A. Mizell, Jr., P.E., V.P.
Bryan R. Stewart, V.P.

ACCIVED

AUG 19 2003

STATE OF FLORIDA
DEPT. OF ENV. PROTECTION
NORTHEAST DISTRICT-JAX

Dear Ms. Nogas:

On behalf of Trail Ridge Landfill, Inc. and the City of Jacksonville, we hereby submit the Financial Assurance Cost Estimate Form for 2003 for the referenced facility, in accordance with Rule 62-701.630(4)(a), F.A.C. Please note that these cost estimates are based upon the 2002 Financial Assurance Cost Estimates provided to the Department in the Second Permit Renewal on September 25, 2002 and updated on December 13, 2002.

If you have any questions regarding this information, please feel free to give me a call.

Sincerely,

ENGLAND, THIMS & MILLER, INC.

luanitta Bader Clem, P.E.

Vice President

Attachment

cc:

Chris Pearson

Greg Mathes

Achaya Kelapanda

Mark Behel



# Florida Department of Environmental Protection



DEP Form # 62-701.900(28)

Form Title: Financial Assurance Cost Estimate Form

Effective Date:

DEP Application No.

(Filled by DEP)

# FINANCIAL ASSURANCE COST ESTIMATE FORM

GENERAL INFORMATION:  Facility Name: Trail Ridge Class I Landfill	Date: Augus	st 18, 2003	Date of DEP Approv	al:		
Permit Application No.:	. GENERAL INFORMAT	ION:				
Date Unit Began Design Life of Unit Accepting From Date of Initial Phase/Cell Acres Waste Receipt of Waste I-V 144 18-May-92 20 +/- Years  Total Landfill Acreage included in this estimate: 119 Closure 144 Long Term Ca The entire landfill less closed areas (25 Ac +/-), after Fill Phase 10 (the estimated worse case).  (71.3 acres of top area and 47.7 acres of side slope)  Type of Landfill X Class I Class III C&D Debris  II. TYPE OF FINANCIAL ASSURANCE DOCUMENT (Check Type)  Letter of Credit* Insurance Certificate mechanisms that require use of a Standby Trust Func	Permit Application No.: Facility Address Permittee:	0013493-002-SC 5110 U.S. Highwa Trail Ridge Landf	(Renewal of SC16-184444) ay 301, Baldwin, Florida 322 ill, Inc.	E>		
Date Unit Began Design Life of Unit Accepting From Date of Initial Receipt of Waste 1-V 144 18-May-92 20+/- Years  Total Landfill Acreage included in this estimate: 119 Closure 144 Long Term Companies of top area and 47.7 acres of side slope)  Type of Landfill X Class I Class III C&D Debris  Letter of Credit* Insurance Certificate Receipt of Unit R	Latitude	: <u>30°14'00"N</u>	Longitude: 82°02'30	<u>)"W</u> or	UTM:	
Began   Accepting   From Date of Initial   Phase/Cell   Acres   Waste   Receipt of Waste   Receipt of Waste   Accepting   Receipt of Waste   Receipt of Waste   Accepting   Receipt of Waste   Receipt of Waste   Accepting   Accept	Solid Waste Disposal U	nits Included in Es	stimate:			
The entire landfill less closed areas (25 Ac +/-), after Fill Phase 10 (the estimated worse case).  (71.3 acres of top area and 47.7 acres of side slope)  Type of Landfill X Class I Class III C&D Debris  II. TYPE OF FINANCIAL ASSURANCE DOCUMENT (Check Type)  Letter of Credit* Insurance Certificate * Indicates mechanisms that require use of a Standby Trust Function	<del></del>		Began Accepting Waste	From Da Receipt	te of Initial of Waste	
(71.3 acres of top area and 47.7 acres of side slope)  Type of Landfill X Class I Class III C&D Debris  II. TYPE OF FINANCIAL ASSURANCE DOCUMENT (Check Type)  Letter of Credit* Insurance Certificate * Indicates mechanisms that require use of a Standby Trust Func	Total Landfill Acreage inc	eluded in this estima	te:119	Closure	144Long Term	Care
Letter of Credit* Performance Bond*  Letter of Credit*  Description:  Letter of Credit*  Description:  Letter of Credit*  Description:  X Escrow Account  Standby Trust Functions  Standby Trust Functions		-	•	stimated worse ca	ase).	
Letter of Credit* Insurance Certificate mechanisms that Performance Bond* X Escrow Account require use of a Standby Trust Fund	Type of Landfill	X Class	lClass II		C&D Debris	
Performance Bond*  X Escrow Account require use of a Standby Trust Fund	II. TYPE OF FINANCIAL	ASSURANCE DO	CUMENT (Check Type)			
Performance Bond*  X Escrow Account require use of a Standby Trust Fund	Letter o	f Credit*	Insuran	ce Certificate		
	Perform	ance Bond*	XEscrow	Account	require use of a	<b>a</b>
	Guaran	ty Bond*	Trust F	und Agreement	Agreement	ПС

Cost estimates may be adjusted using an inflation faction one of the methods of cost estimate adjustment below		ulating the maximum cost of closure	in current dolla	rs. Select				
Inflation Factor Adjustments using an inflation factor may only changes have occurred in the facility operation which derived from the most recent Implicit Price Deflator for survey of Current Business. The inflation factor is the previous year. The inflation factor may also be obtain	y be made whe would necessit r Gross Nationa result of dividi	ate modification to the closure plan. al Product published by the U.S. Depa ng the latest published annual Deflato	The inflation fa artment of Com or by the Deflat	ctor is nmerce in its				
This adjustment is based on the Departmen	nt approved	closure cost estimate dated:	Dec. 1	3, 2003 (w/renewal application)				
Latest Department Approved		Current Year		Inflation Adjusted				
\$13,980,780.82	X .	1.0100	=	\$14,120,588.63				
This adjustment is based on the Departmen	nt approved	long-term care cost estimate o	lated:					
Latest Department Approved Annual Long-Term Care Cost Estimate		Current Year Inflation Factor		Inflation Adjusted Annual Long-Term Care Cost Estimate				
\$721 _, 029.51	X	1.0100	=	\$728,239.81				
Number of Years of Long-Term Care Remaining: X 30								
Inflation Adj	usted Long	-Term Care Cost Estimate:	=	\$21,847,194.15				
(b) Recalculate Estimate  IV. CERTIFICATION BY ENGINEER  This is to certify that the Financial Assurance Cost Estimates are a true, long-term care of the facility and comply with the requipment of Environmental Protection rules, and st Estimates shall be submitted to the Department annual Estimates Shall be	stimates pertair found to confo , correct and co uirements of Flo tatutes of the S	ning to the engineering features of this rm to engineering principles applicab mplete representation of the financia orida Administrative Code (F.A.C.), R tate of Florida. It is understood that t	e to such facili I liabilities for cule 62-701.630 the Financial As 1.630(4), F.A.Co	losing and and all other ssurance Cost				
43245	•	(904) 630-4593	,,					
Florida Registration Number (affix seal)		Telephone Number	ər	1				
14775 St. Augustine Road, Jax. FL 32258 Mailing Address	<u> </u>	chrisp@coj.net Owner/Operator B	-Mail Addre	188				
(904) 642-8990 Telephone Number		clemj@etminc.co Engineer's E-Mail	<u>n</u>					

62-701.603, Florida Administrative Code sets fort

method of annual

DEP FORM 62-701.900(28) Effective

40 CFR Part 264 H as adopted by reference in



# Department of Environmental Protection

Jeb Bush Governor Northeast District 7825 Baymeadows Way, Suite B200 Jacksonville, Florida 32256-7590

David B. Struhs Secretary

August 18, 2003

Mr. Greg Mathes General Manager Trail Ridge Landfill Inc. 5110 U.S. Highway 301 Jacksonville, Florida 32234

Dear Mr. Mathes:

Trail Ridge Landfill, Inc
Permit number 0013493-002-SC
Partial closure units 21-23 and units 1-4 (complete)
Duval County - Solid Waste

The Department acknowledges receipt of the following documents submitted pursuant to Florida Administrative Code Chapter 62-701 and Specific Condition Number 47 of the subject Permit:

1. Trail Ridge Landfill Incremental Closure Quality Assurance and Quality Control Documentation for Units 1-4 (complete) and 21-23, including the Certification of Construction Completion of a Solid Waste Management Facility, signed and sealed by Juanitta Bader Clem, P.E, prepared by England, Thims and Miller, Inc., and Drawing sheets, Cl-3A and Cl-6, signed and sealed by Joseph Leslie Reynolds, professional surveyor, received July 26, 2002.

The Department has reviewed the aforementioned Document, which addresses the closure of units 1-4, and of units 21-23, reflected on Drawing sheet number 14, provided October 28, 1996, as "Closure Phase 2." Based on the department's review, the department has determined the closure construction of partial closure units 21-23 and units 1-4 (complete) to be acceptable.

If you have any comments concerning this matter, please contact Julia Boesch at the letterhead address or telephone number (904) 807-3356.

Sincerely,

Mary C. Nogas, P. E.

Solid Waste Supervisor

MCN:jb:ml

cc: Juanitta Bader Clem, P.E., England, Thims and Miller, Inc.

"More Protection, Less Process"

Printed on recycled paper.

# DEPARTMENT OF ENVIRONMENTAL PROTECTION

## **Interoffice Memorandum**

# NORTHEAST DISTRICT - JACKSONVILLE

TO:

Fred Wick

THROUGH:

Mary Nogas, P.E.

FROM:

Julia Boesch AB

Solid Waste Engineer

DATE:

August 18, 2003

SUBJECT:

Trail Ridge Landfill

Review of the Financial Assurance Annual Cost Adjustments

Permit No. 0013493-002-SC

The Department has completed review of the cost estimates (copy enclosed for your files) submitted on September 26, 2002 with revised pages, 3-6, submitted on December 16, 2002, with the permit renewal application and to comply with the requirements of Florida Administrative Code Chapter 62-701. The following cost estimates have been approved for the subject facility:

# **Active Class I Landfill**

Closure Construction Cost Estimates - \$ 13,980,780.82

Annual Long-Term Care Cost Estimates - \$ 721, 029.51

Total Long-Term Care Cost Estimates - \$ 21,630,885.19 (30 years)

The following is for your information:

Applicant name: Trail Ridge Landfill, Inc.

Contact person: Greg Mathes

Title: District Manager

Phone number: (904) 289-9100

MCN:mbl

Enclosures

cc:

Chris Pearson, City of Jacksonville

Juanitta Bader Clem, England Thims & Miller



# Florida Department of Environmental Protection

Twin Towers Office Bldg., 2600 Blair Stone Road, Tallahassee, FL 32399-2400

	_		٠	
DEP	Form	#	62-70	1.900(28

Form Title: Financial Assurance Cost Estimate Form

Effective Date:

DEP Application No.

(Filled by DEP)

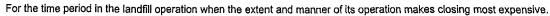
# FINANCIAL ASSURANCE COST ESTIMATE FORM

Date:	August	19, 2002		Date of DE	P Approval:			
I. GENERAL IN	IFORMATI	ON:				÷		
Facility Name: Permit Applicati Facility Address Permittee: Mailing Address	\$	0013493-00 5110 U.S. H Trail Ridge		ewal of SC16- I, Baldwin, Flo				GMS3116P02787 November 25, 2002
	Latitude:	30°14'00"N		Longitude:	82°02'30"W	or	UTM:	
Solid Waste Di	isposal Un	Acres	I in Estimat	Date Unit Began Accepting Waste 18-May-92	· .	From Da Receip	Life of Unit ate of Initial t of Waste /- Years	
Total Landfill Ac	creage incli	uded in this e	estimate:		119	Closure	144	Long Term Care
The entire landf (71.3 acres of					10 (the estima	ated worse ca	ase).	
Type of Landfill		X	Class I		Class III		C&D Debris	·
II. TYPE OF FIR	NANCIAL A	ASSURANC	E DOCUME	NT (Check Ty	ype)			
	Letter of	Credit*			Insurance C	ertificate		Indicates hanisms that
	Performa Guaranty	nce Bond*	,	X	Escrow Acc	•	req Stand	uire use of a lby Trust Fund greement
Northwest District	No	rtheast District	Ce	entral District	Southwest (	District	South District	Southeast District

40 CFR Part 264 H as adopted by reference in 62-701.603, Flor Cost estimates may be adjusted using an inflation factor or be recalcione of the methods of cost estimate adjustment below.			
(a) Inflation Factor Adjustment Inflation adjustments using an inflation factor may only be made when changes have occurred in the facility operation which would necessite derived from the most recent limited Price Publisher for Cross National	ate modification to the closure plar	. The inflation fac	ctor is
derived from the most recent Implicit Price Deflator for Gross National survey of Current Business. The inflation factor is the result of dividing previous year. The inflation factor may also be obtained from the Sol	ng the latest published annual Defl	ator by the Deflato	
This adjustment is based on the Department approved of	closure cost estimate dated:		
Latest Department Approved	Current Year		Inflation Adjusted
X		= .	
This adjustment is based on the Department approved le	ong-term care cost estimate	dated:	
Latest Department Approved Annual Long-Term Care Cost Estimate	Current Year Inflation Factor		Inflation Adjusted Annual Long-Term Care Cost Estimate
X		= '	
Number of Years of Long-	Term Care Remaining:	x	· · · · · · · · · · · · · · · · · · ·
Inflation Adjusted Long-	Term Care Cost Estimate:	= -	·
(b) Recalculate Estimates (see sect	ion V)		
IV. CERTIFICATION BY ENGINEER			
This is to certify that the Financial Assurance Cost Estimates pertaining management facility have been examined by me and found to conform professional judgment, the Cost Estimates are a true, correct and conform care of the facility and comply with the requirements of Flor Department of Environmental Protection rules, and statutes of the State Estimates shall be submitted to the Department annually, revised or	m to engineering principles applica inplete representation of the financi ida Administrative Code (F.A.C.), late of Florida. It is understood that	ble to such facilitional blad liabilities for cloop Rule 62-701.630 a the Financial Ass	sing and and all other
Signature of Engineer 0155/	Signature of Owr	ner/ <del>Operator</del>	
Name & Title (please type)	Chris Pearson, C Name & Title (ple		nager
43245	(904) 630-4593		
Florida Registration Number (affix seal)	Telephone Numb	er	
4775 St. Augustine Road, Jax. FL 32258 Mailing Address	chrisp@coj.net Owner/Operator	E-Mail Addres	S
(904) 642-8990 Telephone Number	clemj@etminc.co Engineer's E-Mai		

DEP FORM 62-701.900(28) Effective

# V. RECALCULATE ESTIMATED CLOSING COSTS



# ** Third Party Estimate/Quote must be provided for each item Costs must be for a third party providing all materials and labor

DESCRIPTION	UNIT		QUANTITY	UNIT COST		TOTAL
Proposed Monitoring Wells     The monitoring wells have been	installed as pa EA	art of ope		lls already in existen	ce)	\$0.00
2. Slope and Fill (bedding layer betw	een waste and	i barrier l	ayer):			
Excavation	CY	NA	0	\$0.00		\$0.00
Placement and Spreading	SY		575,960	\$0.99	(a)	\$570,200.40
Compaction Included with Placement and	CY Spreading		0	\$0.00		\$0.00
Off-Site Material Included as part of operation	CY		0	\$0.00		\$0.00
Delivery	CY		0	\$0.00		\$0.00
Included as part of Placement	t and Spreading	9	Subtotal Monitoring	Wells:		\$570,200.40
3. Cover Material (Barrier Layer):						
Off-Site Clay	CY		76,956	\$15.00	(b)	\$1,154,340.00
Synthetics - 40 mil	SY		345,092	\$3.105	(c)	\$1,071,510.66
Synthetics - GCL	SY	NA	0	\$0.00		\$0.00
Synthetics - Geonet	SY	NA	0	\$0.00		\$0.00
Synthetics - Other	SY	NA	0	\$0.00		\$0.00
			Subtotal Barrier Lay	yer Cover:		\$2,225,850.66
4. Top Soil:						
Off-Site Material (sand)	CY		115,031	\$6.27	(d)	\$721,244.37
Off-Site Material (top soil)	CY	No.	268,943	\$12.00	(b)	\$3,227,316.00
Delivery Included with material	CY		0	\$0.00		\$0.00
Spread Included with material	CY		0 Subtotal Top Soil C	\$0.00 over:		\$0.00 \$3,948,560.37
			545.6.4. 10p 00ii 0			+-11

a. Unit price based upon Bid prices from R.B. Baker Construction, Inc. received February 7, 1997 for Closure of Side Slope Units 1-4 and 12-20 and multiplied by an inflation factor of 1.02 for 1998, 1.01 for 1999, 1.015 for 2000 and 1.02 for 2001.

b. Unit price based upon Bid prices from R.B. Baker Construction, Inc. received October 19, 2001 for Incremental Closure Construction.

c. Based upon Textured/Two Sides, 40 mil HDPE liner material from GSE as provided by Bob Trexler on August 19, 2002.

DEP FORM 62-701.900(28)

Effective

d. Unit price based upon Bid prices from R.B. Baker Construction, Inc. received April 7, 2000 for Third Construction Increment and increased by an inflation factor of 1.02 for 2001.

DESCRIPTION	UNIT	_	QUANTITY	UNICOST		TOTAL
5. Vegetative Layer:						
Sodding	SY		575,960	\$1.87	(a)	\$1,077,045.20
Hydroseeding Included with sodding	AC		0	\$0.00		\$0.00
Fertilizer Included with sodding	AC		0	\$0.00		\$0.00
Mulch	AC	N/A	0	\$0.00		\$0.00
Other	SY	N/A	0	\$0.00		\$0.00
			Subtotal Vege	tative Layer:		\$1,077,045.20
6. Stormwater Control System:						
Earthwork	CY		8,415	\$5.71	(a)	\$48,049.65
Grading Included with Earthwork	SY		0	\$0.00		\$0.00
Piping	LF		4,240	\$90.48	(b)	\$383,635.20
Ditches	LF	N/A	0	\$0.00		\$0.00
Berms	LF	N/A	0	\$0.00		\$0.00
Control Structures	EA	N/A	0	\$0.00		\$0.00
Other Terrace Drain Underdrain	ns EA LF		56 41,861	\$5,500.00 \$16.00	(b)	\$308,000.00 \$669,776.00
			Subtotal Storn	nwater Controls:		\$1,409,460.85
7. Gas Controls: Passive						
Wells	EA	N/A	0	\$0.00		\$0.00
Pipe and Fittings	LF	N/A	0	\$0.00		\$0.00
Monitoring Probes The gas monitoring probes	EA s have been ir	nstalled	0	\$0.00		\$0.00
NSPS/Title V requirements	LS		0	\$0.00		\$0.00
			Subtotal Passi	ve Gas Controls:		\$0.00

a. Unit price based upon Bid prices from R.B. Baker Construction, Inc. received April 7, 2000 for Third Construction Increment

<sup>and increased by an inflation factor of 1.02 for 2001.
b. Unit price based upon Bid prices from R.B. Baker Construction, Inc. received October 19, 2001 for Incremental Closure Construction.</sup> 

DESCRIPTION	UNIT	QUANTITY	UNIT COST		TOTAL
8. Gas Control: Active Extraction					
Traps	EA	5	\$3,136.00	(a)	\$15,680.00
Sump Installed during operation	EA	0	\$0.00		\$0.00
Flare Assembly	EA	1	\$138,626.67	(a)	\$138,626.67
Flame Arrestor Installed during operation	EA	0	\$0.00		\$0.00
Mist Eliminator Installed during operation	EA	0	\$0.00		\$0.00
Flow Meter Installed during operation	EA	0	\$0.00		\$0.00
Blowers Included with the Flare Assemb	EA ly	0	\$0.00		\$0.00
Collection System 6" Pipes and Fittings 8" Pipes and Fittings 10" Pipes and Fittings	LF LF LF	7,000 1,300 4,700	\$25.00 \$30.00 \$30.00	(b) (b)	\$175,000.00 \$39,000.00 \$141,000.00
Other (describe) Control Valves Wells (44 wells @ 140 FT.) Well Head Assembly	EA FT EA	5 6,160 44	\$3,000.00 \$100.00 \$1,000.00	(b) (b) (b)	\$15,000.00 \$616,000.00 \$44,000.00
		Subtotal Active (			\$1,184,306.67
·		as installed as par	-		
Fencing	LF	0	\$0.00		\$0.00
Gate(s)	EA	0	\$0.00		\$0.00
Sign(s)	EA	0	\$0.00		\$0.00
Ditches	LF	0	\$0.00		\$0.00
10. Engineering:		Subtotal Securit	y System:		\$0.00
Closure Plan Report	LS	. 1	\$70,000.00		\$70,000.00
Including Closure Permit Certified Engineer	LS	0	\$0.00		\$0.00
Included in Certification of Closu					
NSPS/Title V Air Permit A Title V Air Permit has been iss	LS sued	0	\$0.00		\$0.00
Final Survey	LS	1	\$60,000.00		\$60,000.00
Certification of Closure	LS	1	\$20,000.00		\$20,000.00
Other (Detail)			_		*
Construction Drawings	LS LS	0	\$0 \$250,000		\$0.00 \$250,000.00
2 2.1.2.1.2.1.3.1. <b>2.1.1.1.1.190</b>	<del></del>	Subtotal Enginee			\$400,000.00
	•	·			

a. Unit price based upon Bid price from R.B. Baker Construction, Inc. received on June 29, 1998 for construction of Phase I Gas Management system and multiplied by an inflation factor of 1.01 for 1999, 1.015 for 2000 and 1.02 for 2001.

b. Unit price based upon Bid prices from R.B. Baker Construction, Inc. received October 19, 2001 for Incremental Closure Construction.

<ol><li>Professional Services</li></ol>
-----------------------------------------

,	Contract Management		Qu	urance			
•	Rate/Hr	Hours	LS	Rate/Hr	Hours	LS	Total
P.E. Supervisor	\$125	104	\$13,000	\$105.00	100	\$10,500	\$23,500
on-Site Engineer	\$0	0	\$0	\$65.00	1200	\$78,000	\$78,000
Office Engineer	\$100	208	\$20,800	\$90.00	400	\$36,000	\$56,800
On-Site Technician	\$75	1300	\$97,500	\$40.00	4800	\$192,000	\$289,500
Other (Explain)				<u>.</u>			
Clerical			\$5,824				\$5,824
Expenses			\$10,000				\$10,000
DESCRIPTION			UNIT	QUANTITY	,	UNIT COST	TOTAL
Quality Assurance Tes	ting		LS	1		\$65,000.00	\$65,000.00
			Subtotal Pr	ofession	al Services	\$528,624.00	
			Subtotal of 1-11 A	Above:	<del>-</del> -	\$11,344,048.15	
12. Contingency		15	% of Total			_	\$1,701,607.22
				Closing Cost Sub	total:		\$13,045,655.37
40.0%							
13. Site Specific Costs	(explain)						
Mobilization/Demo	bilization (5.0	% of Cons	truction Cost)	_			\$520,771.21
Waste Tire Facility	(100 tons at	\$102 per to	on)	_ (a)			\$10,200.00
Materials Recover	y Facility			_ N/A			\$0.00
Special Wastes				_			\$50,000.00
Leachate Management System Modification		N/A			\$0.00		
Other - Bonds (1.0	% of Constru	ction Costs	s)	_	•		\$104,154.24
Erosion Control (de	uring construc	ction)		_			\$250,000.00
				Subtotal Site Spec	ific Costs	s:	\$935,125.45
				TOTAL CLOSING	COSTS	:	\$13,980,780.82

a. Based upon Trail Ridge Landfill Inc.'s current cost to handle waste tire disposal.

#### VI. ANNUAL COST FOR LONG-TERM CARE (Check Term Length) 5 Years 20 Years Χ Other 30 Years See 62-701.600(1)a.1., 62-701.620(1), 62-701.630(3)a. and 62-701.730(11)b. F.A.C. for required term length. For landfills certified closed and Department accepted, enter the remaining long-term care length as "Other" and provide years remaining. ** Third Party Estimate/Quote must be provided for each item ** Costs must be for a third party providing all material and labor All items must be addressed. Attach a detailed explanation for all items marked not applicable (N/A) Sampling Frequency Number of Description (Events/yr.) Wells \$/Well/Event \$/Year 1. Groundwater Monitoring (62-701.510(6), and (8)(a)) Monthly 12 0 \$0.00 \$0.00 Quarterly 0 \$0.00 \$0.00 Semi-Annual 2 37 \$346.80 (a) (c) \$25,663.20 Annual 0 \$0.00 \$0.00 Other **Biennial Report** 0.5 \$5,200.00 \$2,600.00 Semi-Annual Report 2 \$1,750.00 \$3,500.00 (b) Background 0.20 37 \$1,053.66 (a) (c) \$7,797.08 (b) Subtotal Groundwater Monitoring: \$39,560.28 2. Surface Water Monitoring (62-701.510(4), and (8)(b)) Monthly 12 0 \$0.00 \$0.00 Quarterly 0 \$0.00 \$0.00 Semi-Annual* \$313.14 (a) (c) \$1,252.56 * Semi-Annual report included with groundwater monitoring report. \$0.00 Annual \$0.00 Subtotal Surface Water Monitoring: \$1,252.56 3. Gas Monitoring 12 \$0.00 \$0.00 0 Monthly

10

0

0

Subtotal Gas Monitoring:

\$38.76

\$0.00

\$0.00

\$650.00

(c)

2

2

Semi-Annual Report

Quarterly

Annual

Semi-Annual

\$1,550.40

\$0.00

\$0.00

\$1,300.00

\$2,850.40

a. Includes sampling and analysis.

b. Includes all reporting (groundwater, surface water and leachate).

c. Unit cost for 2000 has been multiplied by an inflation factor of 1.02 for 2001.

Description	Sampling Frequency (Events/yr.)	Number of Locations	\$/Location/Event	\$/Year
4. Leachate Monitorin	g (62-701.510(5), (6)(b	) and 62-701.510(8))		
Monthly	12	0	\$0.00	\$0.00
Quarterly	4	0	\$0.00	\$0.00
Semi-Annual	2	2	\$344.76	(a) \$1,379.04
Annual	1	0	\$0.00	\$0.00
Composite	4	1	\$830.28	(a) \$3,321.12
		Subtotal Leachate	Monitoring:	\$4,700.16
DESCRIPTION	UNIT	QUANTITY	UNIT COST	ANNUAL COST
5. Leachate Collection	/Treatment Systems M	laintenance		
Maintenance				
Collection Pipes	·LF	0	\$0.00	\$0.00
Sumps, Traps	EA	0	\$0.00	\$0.00
Lift Stations	EA	1	\$30,000.00	\$30,000.00
Cleaning	LS	0	\$0.00	\$0.00
Tanks	EA	0	\$0.00	\$0.00
Impoundments				
Liner Repair	SY	0	\$0.00	\$0.00
Sludge Removal	CY	0	\$0.00	\$0.00
Aeration System				
Floating Aerators	EA	0	\$0.00	\$0.00
Spray Aerators	EA	0	\$0.00	\$0.00
Disposal				
Off-Site (Includes Transpo	1000 gallons rtation and Disposal)	3,838.53	c) \$33.05	(b) \$126,848.06
		Subtotal Leachate	Collection Maintenance	\$156,848.06

⁽a) Includes sampling and laboratory analysis.

⁽b) Based upon current transportation cost of \$175 per 6000 gallon load and a disposal cost of \$19.40 per 5000 gallons.

⁽c) Based upon leachate generation rates at Trail Ridge Landfill from July 2000 thru June 2001.

# 6. Leachate Collection/Treatment Systems Operations

Operation P.E. Supervisor	HR	Hours 104	\$/Hour \$26.66	(b)	Total \$2,772.64
On-Site Engineer	HR	0	\$0.00		\$0.00
Office Engineer	HR	0	\$0.00		\$0.00
On-Site Technician	HR	416	\$19.20	(b)	\$7,987.20
Materials	LS	0	\$0.00		\$0.00
S	ubtotal Leachate Co	ollection/Treatment System	Maintenance & Operation	n:	\$10,759.84
7. Maintenance of Groundwate	er Monitoring Wells	s Assume replacement	of one well per year.		
Monitoring Wells	LF	1	\$5,652.80	(a)	\$5,652.80
Replacement	EA	0	\$0.00		\$0.00
Abandonment	EA	0	\$0.00		\$0.00
	Subtotal Groun	dwater Monitoring Well M	aintenance:		\$5,652.80
DESCRIPTION	UNIT	QUANTITY	UNIT COST		ANNUAL COST
8. Gas System Maintenance	Assume \$30,00	00 per year for all mainten	ance.		
8. Gas System Maintenance Piping, Vents	Assume \$30,00	00 per year for all mainten	ance. \$0.00		\$0.00
•					\$0.00 \$0.00
Piping, Vents	LF	0	\$0.00		
Piping, Vents Blowers	LF EA	0	\$0.00 \$0.00		\$0.00
Piping, Vents  Blowers  Flaring Units	LF EA EA	0 0 0	\$0.00 \$0.00 \$0.00		\$0.00 \$0.00
Piping, Vents  Blowers  Flaring Units  Meters, Valves	LF EA EA	0 0 0 0	\$0.00 \$0.00 \$0.00 \$0.00		\$0.00 \$0.00 \$0.00
Piping, Vents  Blowers  Flaring Units  Meters, Valves  Compressors	LF EA EA EA	0 0 0 0	\$0.00 \$0.00 \$0.00 \$0.00		\$0.00 \$0.00 \$0.00 \$0.00
Piping, Vents  Blowers  Flaring Units  Meters, Valves  Compressors  Flame Arrestors	LF EA EA EA EA	0 0 0 0 0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00		\$0.00 \$0.00 \$0.00 \$0.00
Piping, Vents  Blowers  Flaring Units  Meters, Valves  Compressors  Flame Arrestors	LF EA EA EA EA	0 0 0 0 0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00		\$0.00 \$0.00 \$0.00 \$0.00 \$0.00
Piping, Vents  Blowers  Flaring Units  Meters, Valves  Compressors  Flame Arrestors  Operation	LF EA EA EA EA	0 0 0 0 0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00	(a)	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00
Piping, Vents  Blowers  Flaring Units  Meters, Valves  Compressors  Flame Arrestors  Operation  9. Landscape	LF EA EA EA EA LS	0 0 0 0 0 0	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 btotal Gas System:	(a) (a)	\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00

a. Annual cost for 1997 was multiplied by an inflation factor of 1.02 for 1998, 1.01 for 1999, 1.015 for 2000 and 1.02 for 2001.

b. Labor rates include direct and indirect labor costs, including benefits, etc. The 1997 rates were multipled by an inflation factor of 1.02 for 1998, 1.01 for 1999, 1.015 for 2000 and 1.02 for 2001.

DESCRIPTION	IT		QUANTITY	IIT COST		ANNUAL COST
10. Erosion Control & Cover Mai	ntenance			,		
Sodding	SY	*	15,004	\$1.87	(a)	\$28,057.48
Regrading Included with Seeding, Soi	SY I	*	15,004	\$0.99	(a)	\$14,853.96
Liner Repair Included with Seeding,Soil	SY	**	7,502	\$3.105	(b)	\$23,293.71
Clay	CY	**	2,501	\$15.00	(c)	\$37,515.00
<ul><li>2% of the 155 acre landfil</li><li>1% of the 155 acre landfil</li></ul>		Subto	otal Erosion Contro	ol and Cover Maintenance	:	\$103,720.15
11. Storm Water Management S	ystem Mainter	ance				
Conveyance Maintenance	LS		1	\$4,906.20	(a)	\$4,906.20
Ditch Cleaning	LF		10,400	\$1.06	(a)	\$11,024.00
			Subtotal Storm	Water System Maintenanc	e:	\$15,930.20
12. Security System Maintenance	e .	Assur	me \$10,000 per ye	ear for all maintenance.		
Fences	LF					
Gate(s)	EA		No.			
Sign(s)	EA					
				Subtotal Security System	n:	\$10,000.00
13. Utilities Include Leachate Pumps, B	LS lowers, Lightir	ng, etc.	1	\$42,726.00	(e)	\$42,726.00
14. Administrative						
P.E. Supervisor	HR		2,080	\$26.66	(d)	\$55,452.80
On-Site Engineer	HR		0	\$0.00		\$0.00
Office Engineer	HR		0	\$0.00		\$0.00
On-Site Technician	HR		8,320	\$19.20	(d)	\$159,744.00
Other (Explain)			0	\$0.00		\$0.00
				Subtotal Administrative:		\$215,196.80
15. Contingency	% of Total	N/A	0	\$0.00		\$0.00
				Subtotal Contingency:		\$0.00

<sup>a. See Unit Costs in Closure Estimates above.
b. Based upon Textured/Two Sides, 40 mil HDPE liner material from GSE as provided by Bob Trexler on August 19, 2002.
c. Unit price based upon Bid prices from R.B. Baker Construction, Inc. received October 19, 2001 for Incremental Closure Construction.
d. Labor rates include direct and indirect labor costs, including benefits, etc. The 1997 rates were multiplied by an inflation factor</sup> of 1.02 for 1998, 1.01 for 1999, 1.015 for 2000 and 1.02 for 2001.

e. Based on average monthly utility cost of \$3,560.

16. Site Specific Costs (explain)	Unit Costs	
	LS	·
	LS	
	LS	
Subtotal Administrative:		\$0.00
ANNUAL LONG-TERM C	\$721,029.51	
NUMBER OF YEARS OF	30	
TOTAL LONG TERM CARE COST (\$)		\$21 620 885 10



# Wheelabrator Ridge Energy Inc.

A Waste Management Company

3131 K-Ville Avenue Auburndale, FL 33823 (863) 665-2255

February 15, 2003

Wheelabrator Ridge Energy, Inc. 3131 K-Ville Avenue Auburndale, FL 33823

Trail Ridge Landfill Inc. Attn: Linda Hair 5110 US Highway 301 Baldwin, FK 32234

Re: Tire Disposal Fees

Dear Linda,

Per our conversation on Friday, February 14, 2003, the purpose of this letter is to verify the disposal fee charged to Trail Ridge Landfill for waste tires delivered to Ridge. Trail Ridge Landfill is charged \$68.00 per ton of tires. This price includes the transportation to our facility and the disposal of the tires.

If you have any questions, please feel free to call me at (863) 665-2255 ext. 116.

Sincerely,

Plant Accountant

