1099 Miller Drive, Altamonte Springs, FL 32701

September 29, 2013

F. Thomas Lubozynski, P.E. Waste & Air Resource Programs Administrator Florida Department of Environmental Protection, Central District 3319 Maguire Boulevard, Suite 232 Orlando, Florida 32803-3767

Subject: Annual Report of Estimated Remaining Site Life

JED Solid Waste Management Facility

Osceola County, Florida

Permit No. SO49-0199726-022

Dear Mr. Lubozynski:

Please find attached the Annual Report of Estimated Remaining Site Life for the JED Solid Waste Management Facility. This annual report is submitted in accordance with Specific Condition C(14)(b) of Permit to Operate SO49-0199726-022. The remaining site life projections are based on the most recent aerial survey performed on May 14, 2013.

If you have any questions or require any additional information, please contact me at (904) 673-0446 or mkaiser@wsii.us at your earliest convenience.

Sincerely,

Mike Kaiser

Progressive Waste Solutions, Inc.

Mike Kain

Attachments

SITE LIFE ESTIMATE

J.E.D Solid Waste Management Facility Annual Report - Fill Volumes & Remaining Site Life Estimate - Period Ending May 14, 2013

	Total Waste	Future Projected	Converted	Cumulative		
Year	Received	Waste Received ¹	Fill Volume ²	Fill Volume ³		
(Ending 12/31)	(TNS)	(TNS)	(CY)	(CY)	Comments	
2004	459,963	i i	` '	` '		
2005	824,242					
2006	1,538,316					
2007	1,696,392					
2008	1,287,561					
2009	1,267,284					
2010	1,768,756					
2011	1,666,392					
2012	1,481,630					
5/14/13	587,548	12,578,084		12,711,205	* Date of last aerial survey and fill volume check (May 14, 2013)	
May 15 through End 2013	1,000,000	1,000,000	1,250,000	13,961,205	* Total waste received through May 14, 2013 equals	
2014		1,635,174	2,043,968	16,005,173	12,578,084 tons. See notes below for cumulative fill volume.	
2015		1,684,230	2,105,287	18,110,460		
2016		1,734,757	2,168,446	20,278,906		
2017		1,786,799	2,233,499	22,512,405	* Permitted waste fill volume for Phases 1-4, Cells 1-13	
2018		1,840,403	2,300,504	24,812,909	equals 21,314,934 cubic yards.	
2019		1,895,615	2,369,519	27,182,428		
2020		1,952,484	2,440,605	29,623,033		
2021		2,011,058	2,513,823	32,136,856		
2022		2,071,390	2,589,238	34,726,093		
2023		2,133,532	2,666,915	37,393,008		
2024		2,197,538	2,746,922	40,139,930		
2025		2,263,464	2,829,330	42,969,260		
2026		2,331,368	2,914,210	45,883,470		
2027		2,401,309	3,001,636	48,885,106		
2028		2,473,348	3,091,685	51,976,791		
2029		2,547,548	3,184,436	55,161,226		
2030		2,623,975	3,279,969	58,441,195		
2031		2,702,694	3,378,368	61,819,563		
2032		2,783,775	3,479,719	65,299,282		
2033		2,867,288	3,584,110	68,883,392		
2034		2,953,307	3,691,634	72,575,026		
2035		3,041,906	3,802,383	76,377,408		
2036		3,133,163	3,916,454	80,293,862		
2037		970,000	1,212,500	81,506,362	* Total permitted waste fill volume equals 81,505,530 cy.	

Assumptions and Notes:

- 1. Assumed future projected waste received increased by 3% per year. Actual volumes are subject to market and business conditions.

 2. Estimated future projected waste received converted to in-place volumes using an average industry standard in-place waste density of 1,600 lbs/cy.
- 3. Aerial topo survey and fill volume check completed by Bullseye Design Services and Base Mapping on May 14, 2013. Airspace consumed as of May 14, 2013 equals 12,711,205 cy.

Site Name:

Site Division #:

Company Performing Aerial Survey:

Company Performing Volume Calculations:

Company Performing Volume Calculations Contact:

Company Performing Volume Calculations Address:

Company Performing Volume Calculations Phone:

Company Performing Volume Calculations Email:

Date of Current Aerial Survey:

Date of Previous Aerial Survey:

JED - Lateral Expansion

120

Base Mapping
Bullseye Design Services, Inc.

Jeff Gay

17774 Cypress Rosehill, Suite 1800 281-516-1794

> jg.bdsi@sbcglobal.net 05/14/2013

> > 05/18/2012

Progressive

Aerial Survey Information

Budget Year 2014

(MM/DD/YYYY) (MM/DD/YYYY)

Dwg.	No.	ltem	2014	Unit
	1.	Calendar Days Between Aerial Surveys:	361	DAYS
02	2.	Area Mapped by Aerial Contractor (as of latest Aerial Survey):	1,446.3	ACRES
00	3.	Total Area Owned or Leased at Facility (as of latest Aerial Survey):	2,178.8	ACRES
00		Area Defined by Permit Boundary (Footprint+Buffer Zone+etc.) (as of latest Aerial Survey):	700.0	ACRES
All	5.	Area Permitted for Landfill Disposal (Permitted Footprint) (as of latest Aerial Survey):		ACRES
	6.	Area Deemed for Landfill Disposal (Footprint Expansion Area Only) (as of latest Aerial Survey):	0.0	ACRES
	7.	Total Area Permitted + Deemed for Landfill Disposal (Total Permitted+Deemed Footprint) (as of latest Aerial Survey):	360.0	ACRES
07	8.	Used Area Permitted for Landfill Disposal (Used Footprint as of latest Aerial Survey) (as of latest Aerial Survey):	99.2	ACRES
07	9.	Total Unused Permitted + Deemed Area Permitted for Landfill Disposal (as of latest Aerial Survey):	260.8	ACRES
03 & 06	10.	Area of Landfill with Certified Final Cover (as of latest Aerial Survey):	44.5	ACRES
03 & 06	11.	Total Area of Landfill Permitted + Deemed without Final Cover (as of latest Aerial Survey):	315.5	ACRES
06	12.	Area of Landfill to Final Grade Elevation (as of latest Aerial Survey):	48.0	ACRES
	13.	Permitted Airspace Volume of Landfill (includes consumed airspace) (as of latest Aerial Survey):	81,505,530	
	14.	Deemed to be Permitted Airspace Volume of Landfill (as of latest Aerial Survey):		CY
	15.	Total Permitted + Deemed Airspace Volume of Landfill (as of latest Aerial Survey):	81,505,530	CY
07	16.	Airspace Volume Consumed to Date (as of latest Aerial Survey):	12,711,205	CY
06	17.	Remaining Airspace Volume of Landfill (as of latest Aerial Survey):	68,794,325	
05	18.	Airspace Volume Consumed Between Last Two Aerial Survey Dates:	1,639,175	
08 & 09	19.	Constructed Airspace Remaining (as of latest Aerial Survey):	1,530,815	CY
07	20.	Footprint Soil Remaining to be Excavated (as of latest Aerial Survey):	28,435	
	21.	Volume of Soil Stockpiles (as of latest Aerial Survey):		CY
		Soil Available From Off-Site Borrow Areas Owned by Landfill (as of latest Aerial Survey):	7,250,000	
07		Soil Required For Cell Construction (as of latest Aerial Survey):	4,802,805	_
		Soil Required For Closure Construction (as of latest Aerial Survey):	1,054,605	
		Soil Required For Daily and Intermediate Cover (as of latest Aerial Survey):	3,439,716	
		Other Soil Requirements at Landfill (as of latest Aerial Survey):	500,000	
		Estimated Soil Surplus or (Shortage) (as of latest Aerial Survey):	(2,518,691)	
		Area of Overfill (as of latest Aerial Survey):		ACRES
		Volume of Overfill (as of latest Aerial Survey):		CY
		Area of Waste Placed Outside of Permitted Area (as of latest Aerial Survey):		ACRES
	31.	Volume of Waste Placed Outside of Permitted Area (as of latest Aerial Survey):	0	CY

2013 Notes:

Final Cover Thickness: 2 ft.(1' Int. Cvr. - Waste, GC, 1.5' Cap & .5' Veg. Cvr.) Liner Thickness: 2.0 ft. (.5' Prepared Subbase, GCCL & 2' Prot. Cvr.)

2010 LINE 2 - Additional mapping in 2010 (entire landfill footprint, existing & proposed Bronson borrow areas and south facilities).

2011 & 2012 LINE 2 - Reduced mapping area to Cells 1 thru 12 & 14 in 2011 and augmented Cells 13 & 15 Thru 21 with 2010 mapping.

2013 LINE 2 - Increased mapping area to include the Entire Landfill, Borrow Areas and Facilities.

LINE 4 - Area represents total site area (2,178.8 acres) less approximate acreage for FDEP, Osceola County and access road easements.

LINE 8 - Represents waste in-place @ cells 1 thru 8 (99.2 acres).

LINE 16 - Total consumed @ cells 1 thru 8 less 2.0' Protective Cover above SubBase. See attachment Dwg. 07 for isopach and graphic perspective.

LINE 18 - Represents consumed airspace between 2012 & 2013 topo @ Cells 1 thru 8.

LINE 22 - Remaining Offsite Borrow Area 1 thru 5 in 2010 (2,091,100 cy) minus Cut (2010 > 2011) @ BA 5 (81,565 cy) minus Cut (2011 > 2012) @ BA 1 & 5 (306,210 cy) = 1,703,325 cy. Offsite Borrow Area 1 thru 5 is currently filled with water. Maintained volumes calculated in 2012.

Remaining Onsite Borrow Areas A, B & C = 5,963,730 cy per Mike Kaiser.

Total C Minus Cell 8 and 2012 Closure quantities reported by Mike Kaiser approximately 417,055 cy.

LINE 23 - Remaining 2.0' Protective Cover (260.8 ac x 2' x 1613.33 cy/ac/ft = 841,515 cy) plus Cell 9 thru 21 Perimeter Berm (275,565 cy) plus Cell 9 thru 21 Backfill (3,685,725 cy).

Total = 4,802,805 cy No excavation (cut) in subbase design, all fill. See Dwg. 07 for more detail.

LINE 24 - Represents Remaining 2.0' Final Cover: Top Deck (326,860 cy) plus Sideslopes (727,745 cy) = 1,054,605 cy

19.5 ac Final Cover inplace in 2012: Top Deck (5.0 ac.) plus Sideslopes (14.5 ac.)

Top Deck: Total of 106.3 ac minus 5.0 ac inplace (2012) = 101.3 ac Remaining x 2' x 1613.3333 cy/ac/ft = 326,860 cy

Sideslopes: (Total of 253.7 ac minus 25.0 ac inplace (2008) minus 14.5 ac. Inplace (2012) = 214.2 ac Remaining x 2' x 1613.3333 cy/ac/ft x 1.05 slope adj = 727,745 cy

LINE 25 - 5% Daily/Intermediate Cover (Remaining Airspace Line 17).

LINE 26 - Additional soil estimate at 500,000 cy for other site development including leachate storage facility, LFG to Energy project, relocation of scales, admin. Office etc