

September 17, 2014

Mr. Emerson C. Raulerson, P.E.  
Solid Waste Section Supervisor  
Florida Department of Environmental Protection  
7825 Baymeadows Way, Suite 200B  
Jacksonville, FL 32256-7590

**RE: Trail Ridge Landfill**  
**WACS I.D. Number: NED/16/00033628**  
**FDEP Permit Number 0013493-017-SO**

Dear Mr. Raulerson:

On behalf of Trail Ridge Landfill, Inc. and in accordance with Specific Condition 30 of the referenced permit, please find herewith the semi-annual survey and site life evaluation for Trail Ridge Landfill, for July 31, 2013 through August 6, 2014.

We hope that this information will be helpful to you. If you have any questions or require additional information, please feel free to give me a call.

Sincerely,

**ENGLAND, THIMS & MILLER, INC.**

  
Juanitta Bader Clem, P.E.  
Vice President

Attachment

cc: Greg Mathes, TRLF, Inc.  
Jim Purvis, TRLF, Inc.  
Jeff Foster, City of Jacksonville  
Brian Dolihite

**TRAIL RIDGE LANDFILL**  
**SITE LIFE CALCULATIONS**  
**PERMITTED SITE**  
**August 2014**

**Remaining Airspace:**

Remaining Airspace as of August 6, 2014 is 69,353,715 cubic yards\*.

Average Waste Density = 0.82 tons/CY\*

**Annual Tonnage Calculations**

Annual Tonnage based on waste received from 2009 to 2013:

$$\frac{745,210 (2009) + 707,236 (2010) + 702,662 (2011) + 696,563 (2012) + 707,013 (2013)}{5 \text{ years}}$$

$$= 711,737 \text{ tons/year (5 year average)}$$

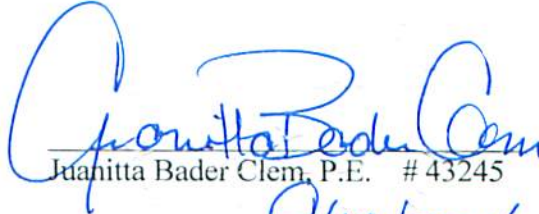
**Remaining Site Life:**

$$\text{Remaining Site Life} = \frac{\text{Remaining Airspace} \times \text{Average Waste Density}}{\text{Annual Tonnage}}$$

$$= \frac{69,353,715 \text{ CY} \times 0.82 \text{ tons/CY}}{711,737 \text{ tons per year}} = 97.4 \text{ years}$$

*Note: Site Life Calculations are based on annual tonnage receipts and cumulative density measured to date; Future changes in the actual waste receipts and average waste density will affect Remaining Site Life.*

**\* Source: Trail Ridge Landfill / Waste Management, 2014 Annual Airspace Report**

  
Juanitta Bader Clem, P.E. # 43245  
9/18/2014

**TRAIL RIDGE LANDFILL**  
**SITE LIFE CALCULATIONS**  
**CONSTRUCTED AREA**  
**August 2014**

**Remaining Airspace:**

Remaining Airspace as of August 6, 2014 is 3,724,990 cubic yards\*.

Average Waste Density = 0.82 tons/CY\*

**Annual Tonnage Calculations**

Annual Tonnage based on waste received from 2009 to 2013:

$$\frac{745,210 (2009) + 707,236 (2010) + 702,662 (2011) + 696,563 (2012) + 707,013 (2013)}{5 \text{ years}}$$

= 711,737 tons/year (5 year average)


**Remaining Site Life:**

Remaining Site Life =  $\frac{\text{Remaining Airspace} \times \text{Average Waste Density}}{\text{Annual Tonnage}}$

$$= \frac{3,724,990 \text{ CY} \times 0.82 \text{ tons/CY}}{711,737 \text{ tons per year}} = 4.3 \text{ years}$$

*Note: Site Life Calculations are based on annual tonnage receipts and cumulative density measured to date; Future changes in the actual waste receipts and average waste density will affect Remaining Site Life.*

*\* Source: Trail Ridge Landfill / Waste Management, 2014 Annual Airspace Report*

  
Juanitta Bader Clem, P.E. #43245

9/18/2014