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May 1, 2015

Mr. Jon Holtom, PE
Florida Department of Environmental Protection
Department of Air Resources Management
2600 Blairstone Road
Tallahassee, FL 32399

**Re: Lee/Hendry County Regional Solid Waste Disposal Facility
Facility ID 0510030
Air Construction Permit Application for Mobile Rock/Concrete Crusher**

Dear Mr. Holtom:

The Lee County Solid Waste Division (SWD) respectfully requests the Department's review and approval of the attached air construction permit application for the above-referenced Facility. The SWD is proposing to construct a new emissions unit at the referenced Facility consisting of mobile rock/concrete crusher that will be owned and operated by a third party contractor.

As previously discussed, the mobile rock crusher may be considered an insignificant emissions unit exempt from the requirement to obtain an air construction permit if the maximum or rated capacity of the crusher is 150 tons per hour or less. However, if the maximum or rated capacity of the rock/concrete crusher is greater than 150 tons per hour, the crusher and/or crushing operation would be subject to the requirements of 40 CFR Part 60, Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants, and would in that case be required to obtain an air construction permit.

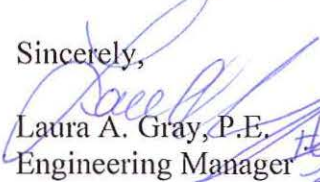
Based on the current needs of the Facility, the SWD expects the crushing equipment to operate at a maximum capacity of 150 tons per hour. This capacity is consistent with information obtained from contractors and another Department permitted Facility that previously applied for and obtained an air construction permit and a Title V Operation Permit revision for the same rock crushing operation as proposed in this application. In this case, the crushing operation would be exempt from the requirement to obtain and air construction permit.

Mr. Jon Holtom
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However, as the contractor has not yet been selected, the SWD determined it necessary to obtain the required air permits in the event the selected contractor's crushing equipment is rated at a maximum capacity greater than 150 tons per hour.

Please call me at 239-533-8930 if you have any questions.

Sincerely,


Laura A. Gray, P.E.
Engineering Manager
Solid Waste Division



Attachments

Cc: Lindsey J. Sampson
Keith Howard
Jason Fournier
Michael LeBlanc
File IV A202

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PERMIT APPLICATION (LONG FORM)

(DEP Form No. 62-210.900(1))



Department of Environmental Protection

Division of Air Resource Management

APPLICATION FOR AIR PERMIT - LONG FORM

I. APPLICATION INFORMATION

Air Construction Permit – Use this form to apply for an air construction permit:

- For any required purpose at a facility operating under a federally enforceable state air operation permit (FESOP) or Title V air operation permit;
- For a proposed project subject to prevention of significant deterioration (PSD) review, nonattainment new source review, or maximum achievable control technology (MACT);
- To assume a restriction on the potential emissions of one or more pollutants to escape a requirement such as PSD review, nonattainment new source review, MACT, or Title V; or
- To establish, revise, or renew a plantwide applicability limit (PAL).

Air Operation Permit – Use this form to apply for:

- An initial federally enforceable state air operation permit (FESOP); or
- An initial, revised, or renewal Title V air operation permit.

To ensure accuracy, please see form instructions.

Identification of Facility

1. Facility Owner/Company Name: Lee County Solid Waste Division	
2. Site Name: Lee/Hendry County Regional Solid Waste Diposal Facility	
3. Facility Identification Number: 0510030	
4. Facility Location... Street Address or Other Locator: 5500 Church Road City: Felda County: Hendry Zip Code: 33930	
5. Relocatable Facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6. Existing Title V Permitted Facility? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Application Contact

1. Application Contact Name: Laura A. Gray, PE	
2. Application Contact Mailing Address... Organization/Firm: Lee County Solid Waste Division Street Address: 10500 Buckingham Road City: Fort Myers State: Florida Zip Code: 33905	
3. Application Contact Telephone Numbers... Telephone: (239) 533-8930 ext. Fax: (239) 461-5871	
4. Application Contact E-mail Address: lgray@leegov.com	

Application Processing Information (DEP Use)

1. Date of Receipt of Application:	3. PSD Number (if applicable):
2. Project Number(s):	4. Siting Number (if applicable):

APPLICATION INFORMATION

Purpose of Application

This application for air permit is being submitted to obtain: (Check one)

Air Construction Permit

- Air construction permit.
- Air construction permit to establish, revise, or renew a plantwide applicability limit (PAL).
- Air construction permit to establish, revise, or renew a plantwide applicability limit (PAL), and separate air construction permit to authorize construction or modification of one or more emissions units covered by the PAL.

Air Operation Permit

- Initial Title V air operation permit.
- Title V air operation permit revision.
- Title V air operation permit renewal.
- Initial federally enforceable state air operation permit (FESOP) where professional engineer (PE) certification is required.
- Initial federally enforceable state air operation permit (FESOP) where professional engineer (PE) certification is not required.

Air Construction Permit and Revised/Renewal Title V Air Operation Permit (Concurrent Processing)

- Air construction permit and Title V permit revision, incorporating the proposed project.
- Air construction permit and Title V permit renewal, incorporating the proposed project.

Note: By checking one of the above two boxes, you, the applicant, are requesting concurrent processing pursuant to Rule 62-213.405, F.A.C. In such case, you must also check the following box:

- I hereby request that the department waive the processing time requirements of the air construction permit to accommodate the processing time frames of the Title V air operation permit.

Application Comment

This application requests an air construction permit for new emissions unit at the Facility consisting of a third party owned/operated relocatable rock crusher. The Facility is currently subject to 40 CFR 60 Subpart WWW, 40 CFR 60, Subpart IIII and 40 CFR 63, Subpart ZZZZ. With the addition of the relocatable rock crusher, the Facility may also be subject to 40 CFR 60 Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants, if the crusher's capacity is greater than 150 tons per hour. If the crusher's capacity is 150 tons per hour or less, the Facility will not be subject to 40 CFR Subpart OOO.

APPLICATION INFORMATION

Scope of Application

Emissions Unit ID Number	Description of Emissions Unit	Air Permit Type	Air Permit Processing Fee
Proposed New EU*	Relocatable Concrete/Rock Crusher	NA	NA
*EU-003 anticipated			

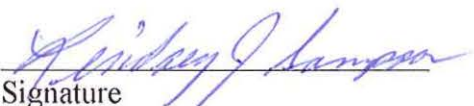

Application Processing Fee

Check one: Attached - Amount: \$ _____ Not Applicable

APPLICATION INFORMATION

Owner/Authorized Representative Statement

Complete if applying for an air construction permit or an initial FESOP.

1. Owner/Authorized Representative Name : Lindsey J. Sampson
2. Owner/Authorized Representative Mailing Address... Organization/Firm: Lee County Solid Waste Division Street Address: 10500 Buckingham Road City: Fort Myers State: Florida Zip Code: 33905
3. Owner/Authorized Representative Telephone Numbers... Telephone: (239) 533-8000 ext. Fax: (239) 461-5871
4. Owner/Authorized Representative E-mail Address: <u>lsampson@leegov.com</u>
5. Owner/Authorized Representative Statement: <i>I, the undersigned, am the owner or authorized representative of the corporation, partnership, or other legal entity submitting this air permit application. To the best of my knowledge, the statements made in this application are true, accurate and complete, and any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. I understand that a permit, if granted by the department, cannot be transferred without authorization from the department.</i>  Signature  Date

APPLICATION INFORMATION

Application Responsible Official Certification

Complete if applying for an initial, revised, or renewal Title V air operation permit or concurrent processing of an air construction permit and revised or renewal Title V air operation permit. If there are multiple responsible officials, the "application responsible official" need not be the "primary responsible official."

1. Application Responsible Official Name: Lindsey J. Sampson
2. Application Responsible Official Qualification (Check one or more of the following options, as applicable): <input type="checkbox"/> For a corporation, the president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation, or a duly authorized representative of such person if the representative is responsible for the overall operation of one or more manufacturing, production, or operating facilities applying for or subject to a permit under Chapter 62-213, F.A.C. <input type="checkbox"/> For a partnership or sole proprietorship, a general partner or the proprietor, respectively. <input checked="" type="checkbox"/> For a municipality, county, state, federal, or other public agency, either a principal executive officer or ranking elected official. <input type="checkbox"/> The designated representative at an Acid Rain source or CAIR source.
3. Application Responsible Official Mailing Address... Organization/Firm: Lee County Solid Waste Division Street Address: 10500 Buckingham Road City: Fort Myers State: Florida Zip Code: 33905
4. Application Responsible Official Telephone Numbers... Telephone: (239) 533 - 8000 ext. Fax: (239) 461 - 5871
5. Application Responsible Official E-mail Address: lsampson@leegov.com
<i>Note: This section is not required for a construction permit application but was previously completed so, in the interest of time, the information was not deleted. Please disregard as needed and/or appropriate.</i>

APPLICATION INFORMATION

6. Application Responsible Official Certification:

I, the undersigned, am a responsible official of the Title V source addressed in this air permit application. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof and all other applicable requirements identified in this application to which the Title V source is subject. I understand that a permit, if granted by the department, cannot be transferred without authorization from the department, and I will promptly notify the department upon sale or legal transfer of the facility or any permitted emissions unit. Finally, I certify that the facility and each emissions unit are in compliance with all applicable requirements to which they are subject, except as identified in compliance plan(s) submitted with this application.

Signature

Lindsay J. Sampson

Date

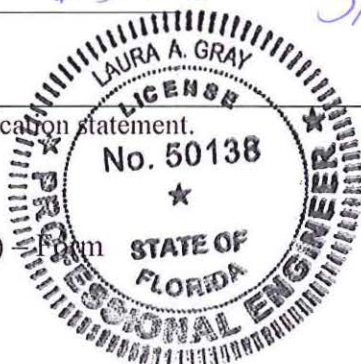
5/1/15

APPLICATION INFORMATION

Professional Engineer Certification

1. Professional Engineer Name: Laura A. Gray, P.E. Registration Number: 50138
2. Professional Engineer Mailing Address... Organization/Firm: Lee County Solid Waste Division Street Address: 10500 Buckingham Road City: Fort Myers State: Florida Zip Code: 33905
3. Professional Engineer Telephone Numbers... Telephone: (239) 533 - 8930 ext. Fax: (239) 461- 5871
4. Professional Engineer E-mail Address: <u>lgray@leegov.com</u>
5. Professional Engineer Statement: <i>I, the undersigned, hereby certify, except as particularly noted herein*, that:</i> <p>(1) <i>To the best of my knowledge, there is reasonable assurance that the air pollutant emissions unit(s) and the air pollution control equipment described in this application for air permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; and</i></p> <p>(2) <i>To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application.</i></p> <p>(3) <i>If the purpose of this application is to obtain a Title V air operation permit (check here <input type="checkbox"/> , if so), I further certify that each emissions unit described in this application for air permit, when properly operated and maintained, will comply with the applicable requirements identified in this application to which the unit is subject, except those emissions units for which a compliance plan and schedule is submitted with this application.</i></p> <p>(4) <i>If the purpose of this application is to obtain an air construction permit (check here <input type="checkbox"/> , if so) or concurrently process and obtain an air construction permit and a Title V air operation permit revision or renewal for one or more proposed new or modified emissions units (check here <input type="checkbox"/> , if so), I further certify that the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.</i></p> <p>(5) <i>If the purpose of this application is to obtain an initial air operation permit or operation permit revision or renewal for one or more newly constructed or modified emissions units (check here <input type="checkbox"/> , if so), I further certify that, with the exception of any changes detailed as part of this application, each such emissions unit has been constructed or modified in substantial accordance with the information given in the corresponding application for air construction permit and with all provisions contained in such permit.</i></p> <p>Signature: <u><i>Laura A. Gray</i></u> #50138 Date: <u>3/1/15</u></p> <p>(seal)</p>

* Attach any exception to certification statement.



II. FACILITY INFORMATION

A. GENERAL FACILITY INFORMATION

Facility Location and Type

1. Facility UTM Coordinates... Zone 17 East (km) 456.63 North (km) 2934.20		2. Facility Latitude/Longitude... Latitude (DD/MM/SS) 26/34/20 Longitude (DD/MM/SS) 81/31/32	
3. Governmental Facility Code: 3	4. Facility Status Code: A	5. Facility Major Group SIC Code: 49	6. Facility SIC(s): 4953
7. Facility Comment: The Facility is a solid waste management facility consisting of a Class I Landfill, Ash Monofill and Class III Landfill subject to the requirements of 40 CFR 60 Subpart WWW, Standards of Performance for Municipal Solid Waste Landfills. The facility also includes a diesel emergency generator subject to 40 CFR 60, Subpart IIII and 40 CFR 63, Subpart ZZZZ. The Facility is requesting a construction permit for the addition of a relocatable rock/concrete crusher as a new emission unit at the Facility. The Facility may be subject to 40 CFR Subpart OOO if the crusher's capacity is greater than 150 tons/hour but would not be subject to Subpart OOO if the crusher's capacity is 150 tons/hour or less. The crusher will be owned and operated by a third party contractor thus the crusher's capacity is unknown at this time.			

Facility Contact

1. Facility Contact Name: Laura A. Gray, PE
2. Facility Contact Mailing Address... Organization/Firm: Lee County Solid Waste Department Street Address: 10500 Buckingham Road City: Fort Myers State: Florida Zip Code: 33905
3. Facility Contact Telephone Numbers: Telephone: (239) 533 – 8930 ext. Fax: (239) 461 - 5871
4. Facility Contact E-mail Address: lgray@leegov.com

Facility Primary Responsible Official

Complete if an "application responsible official" is identified in Section I that is not the facility "primary responsible official."

1. Facility Primary Responsible Official Name: Lindsey J. Sampson
2. Facility Primary Responsible Official Mailing Address... Organization/Firm: Lee County Solid Waste Division Street Address: 10500 Buckingham Road City: Fort Myers State: Florida Zip Code: 33905

FACILITY INFORMATION

3. Facility Primary Responsible Official Telephone Numbers... Telephone: (239) 533 - 8000 ext. Fax: (239) 461 - 5871
4. Facility Primary Responsible Official E-mail Address: lsampson@leegov.com

Facility Regulatory Classifications

Check all that would apply *following* completion of all projects and implementation of all other changes proposed in this application for air permit. Refer to instructions to distinguish between a “major source” and a “synthetic minor source.”

1. <input type="checkbox"/> Small Business Stationary Source	<input type="checkbox"/> Unknown
2. <input type="checkbox"/> Synthetic Non-Title V Source	
3. <input checked="" type="checkbox"/> Title V Source	
4. <input type="checkbox"/> Major Source of Air Pollutants, Other than Hazardous Air Pollutants (HAPs)	
5. <input type="checkbox"/> Synthetic Minor Source of Air Pollutants, Other than HAPs	
6. <input type="checkbox"/> Major Source of Hazardous Air Pollutants (HAPs)	
7. <input type="checkbox"/> Synthetic Minor Source of HAPs	
8. <input checked="" type="checkbox"/> One or More Emissions Units Subject to NSPS (40 CFR Part 60)	
9. <input type="checkbox"/> One or More Emissions Units Subject to Emission Guidelines (40 CFR Part 60)	
10. <input checked="" type="checkbox"/> One or More Emissions Units Subject to NESHAP (40 CFR Part 61 or Part 63)	
11. <input type="checkbox"/> Title V Source Solely by EPA Designation (40 CFR 70.3(a)(5))	
12. Facility Regulatory Classifications Comment:	
<p>The Facility is a subject to the requirements of 40 CFR 60 Subpart WWW, Standards of Performance for Municipal Solid Waste Landfills, and is also subject to 40 CFR 60, Subpart III and 40 CRF 63, Subpart ZZZZ, due a diesel generator at the Facility. With the addition of the relocatable rock crusher, the Facility may be subject to the requirements of 40 CFR 60 Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants, if the crusher’s capacity is greater than 150 tons per hour. If the crusher’s capacity is 150 tons per hour or less, the Facility will not be subject to 40 CFR Subpart OOO.</p>	

FACILITY INFORMATION

List of Pollutants Emitted by Facility

1. Pollutant Emitted	2. Pollutant Classification	3. Emissions Cap [Y or N]?
NMOC	B	N
PM	B	N
CO	B	N
NOx	B	N
SO2	B	N
VOC	B	N
HAP	B	N
GHG	B	N
PM10*	B	
*Note: PM10 will be emitted by the proposed rock crusher. Other pollutants currently emitted by the Facility.		

FACILITY INFORMATION

B. EMISSIONS CAPS

Facility-Wide or Multi-Unit Emissions Caps

1. Pollutant Subject to Emissions Cap	2. Facility-Wide Cap [Y or N]? (all units)	3. Emissions Unit ID's Under Cap (if not all units)	4. Hourly Cap (lb/hr)	5. Annual Cap (ton/yr)	6. Basis for Emissions Cap
N/A					

7. Facility-Wide or Multi-Unit Emissions Cap Comment:

Facility-wide or multi-unit emissions caps are not applicable to the Facility.

FACILITY INFORMATION

C. FACILITY ADDITIONAL INFORMATION

Additional Requirements for All Applications, Except as Otherwise Stated

1.	Facility Plot Plan: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input checked="" type="checkbox"/> Attached, Document ID: <u>Attach. II.C.1</u> <input type="checkbox"/> Previously Submitted, Date: _____
2.	Process Flow Diagram(s): (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input checked="" type="checkbox"/> Attached, Document ID: <u>Attach. II.C.2</u> <input type="checkbox"/> Previously Submitted, Date: _____
3.	Precautions to Prevent Emissions of Unconfined Particulate Matter: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input checked="" type="checkbox"/> Attached, Document ID: <u>Attach. II.C.3</u> <input type="checkbox"/> Previously Submitted, Date: _____

Additional Requirements for Air Construction Permit Applications

1.	Area Map Showing Facility Location: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable (existing permitted facility)
2.	Description of Proposed Construction, Modification, or Plantwide Applicability Limit (PAL): <input checked="" type="checkbox"/> Attached, Document ID: <u>Attach. II.C.4</u>
3.	Rule Applicability Analysis: <input checked="" type="checkbox"/> Attached, Document ID: <u>Attach. II.C.5</u>
4.	List of Exempt Emissions Units: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable (no exempt units at facility)
5.	Fugitive Emissions Identification: <input checked="" type="checkbox"/> Attached, Document ID: <u>Attach. II.C.6</u> <input type="checkbox"/> Not Applicable
6.	Air Quality Analysis (Rule 62-212.400(7), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
7.	Source Impact Analysis (Rule 62-212.400(5), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
8.	Air Quality Impact since 1977 (Rule 62-212.400(4)(e), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
9.	Additional Impact Analyses (Rules 62-212.400(8) and 62-212.500(4)(e), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
10.	Alternative Analysis Requirement (Rule 62-212.500(4)(g), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

FACILITY INFORMATION

C. FACILITY ADDITIONAL INFORMATION (CONTINUED)

Additional Requirements for FESOP Applications

- | |
|--|
| 1. List of Exempt Emissions Units:
<input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable (no exempt units at facility) |
|--|

Additional Requirements for Title V Air Operation Permit Applications N/A

- | |
|---|
| 1. List of Insignificant Activities: (Required for initial/renewal applications only)
<input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable |
|---|

- | |
|--|
| 2. Identification of Applicable Requirements: (Required for initial/renewal applications, and for revision applications if this information would be changed as a result of the revision being sought)
<input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable |
|--|

- | |
|---|
| 3. Compliance Report and Plan: (Required for all initial/revision/renewal applications)
<input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable |
|---|

Note: A compliance plan must be submitted for each emissions unit that is not in compliance with all applicable requirements at the time of application and/or at any time during application processing. The department must be notified of any changes in compliance status during application processing.

- | |
|---|
| 4. List of Equipment/Activities Regulated under Title VI: (If applicable, required for initial/renewal applications only)
<input type="checkbox"/> Attached, Document ID: _____
<input type="checkbox"/> Equipment/Activities Onsite but Not Required to be Individually Listed
<input checked="" type="checkbox"/> Not Applicable |
|---|

- | |
|--|
| 5. Verification of Risk Management Plan Submission to EPA: (If applicable, required for initial/renewal applications only)
<input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable |
|--|

- | |
|---|
| 6. Requested Changes to Current Title V Air Operation Permit:
<input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable |
|---|

FACILITY INFORMATION

C. FACILITY ADDITIONAL INFORMATION (CONTINUED)

Additional Requirements for Facilities Subject to Acid Rain, CAIR, or Hg Budget Program

1. Acid Rain Program Forms: N/A Acid Rain Part Application (DEP Form No. 62-210.900(1)(a)): <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input checked="" type="checkbox"/> Not Applicable (not an Acid Rain source) Phase II NO _x Averaging Plan (DEP Form No. 62-210.900(1)(a)1.): <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input checked="" type="checkbox"/> Not Applicable New Unit Exemption (DEP Form No. 62-210.900(1)(a)2.): <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input checked="" type="checkbox"/> Not Applicable
2. CAIR Part (DEP Form No. 62-210.900(1)(b)): N/A <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input checked="" type="checkbox"/> Not Applicable (not a CAIR source)

Additional Requirements Comment

EMISSIONS UNIT INFORMATION

Section [1] of [1]

Relocatable Rock/Concrete Crusher

III. EMISSIONS UNIT INFORMATION

Title V Air Operation Permit Application - For Title V air operation permitting only, emissions units are classified as regulated, unregulated, or insignificant. If this is an application for an initial, revised or renewal Title V air operation permit, a separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each regulated and unregulated emissions unit addressed in this application. Some of the subsections comprising the Emissions Unit Information Section of the form are optional for unregulated emissions units. Each such subsection is appropriately marked. Insignificant emissions units are required to be listed at Section II, Subsection C.

Air Construction Permit or FESOP Application - For air construction permitting or federally enforceable state air operation permitting, emissions units are classified as either subject to air permitting or exempt from air permitting. The concept of an "unregulated emissions unit" does not apply. If this is an application for an air construction permit or FESOP, a separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each emissions unit subject to air permitting addressed in this application for air permit. Emissions units exempt from air permitting are required to be listed at Section II, Subsection C.

Air Construction Permit and Revised/Renewal Title V Air Operation Permit Application - Where this application is used to apply for both an air construction permit and a revised or renewal Title V air operation permit, each emissions unit is classified as either subject to air permitting or exempt from air permitting for air construction permitting purposes, and as regulated, unregulated, or insignificant for Title V air operation permitting purposes. A separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each emissions unit addressed in this application that is subject to air construction permitting and for each such emissions unit that is a regulated or unregulated unit for purposes of Title V permitting. (An emissions unit may be exempt from air construction permitting but still be classified as an unregulated unit for Title V purposes.) Emissions units classified as insignificant for Title V purposes are required to be listed at Section II, Subsection C.

If submitting the application form in hard copy, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application must be indicated in the space provided at the top of each page.

EMISSIONS UNIT INFORMATION

Section [1] of [1]

Relocatable Rock/Concrete Crusher

A. GENERAL EMISSIONS UNIT INFORMATION

Title V Air Operation Permit Emissions Unit Classification

1. Regulated or Unregulated Emissions Unit? (Check one, if applying for an initial, revised or renewal Title V air operation permit. Skip this item if applying for an air construction permit or FESOP only.)
- The emissions unit addressed in this Emissions Unit Information Section is a regulated emissions unit.
- The emissions unit addressed in this Emissions Unit Information Section is an unregulated emissions unit.

Emissions Unit Description and Status

1. Type of Emissions Unit Addressed in this Section: (Check one)
- This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).
- This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.
- This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

2. Description of Emissions Unit Addressed in this Section:
A third party (contractor) owned/operated portable rock/concrete crusher will be operated at the Facility as needed. Rock crusher has no true or defined emissions point. The crusher's diesel engine is a non-road engine and per EPA guidance is not a stationary source thus not subject to Permitting.

3. Emissions Unit Identification Number: **TBA (EU ID No. 003 likely)**

4. Emissions Unit Status Code: C	5. Commence Construction Date: After permit issued & contractor hired.	6. Initial Startup Date: After permit issued & contractor hired.	7. Emissions Unit Major Group SIC Code: 49
---	---	---	---

8. Federal Program Applicability: (Check all that apply)

- Acid Rain Unit CAIR Unit

9. Package Unit:

Manufacturer: **N/A**

Model Number: **N/A**

10. Generator Nameplate Rating: **MW N/A**

11. Emissions Unit Comment: **The crushing operation will be performed as needed by different contractors thus no specific equipment information is available at this time. To estimate potential emissions, information on typical crushing equipment was obtained and assumptions were made based on expected maximum operating conditions.**

EMISSIONS UNIT INFORMATION

Section [1] of [1]

Relocatable Rock/Concrete Crusher

Emissions Unit Control Equipment/Method: Control ___ of ___

1. Control Equipment/Method Description: N/A
2. Control Device or Method Code:

Emissions Unit Control Equipment/Method: Control ___ of ___

1. Control Equipment/Method Description:
2. Control Device or Method Code:

Emissions Unit Control Equipment/Method: Control ___ of ___

1. Control Equipment/Method Description:
2. Control Device or Method Code:

Emissions Unit Control Equipment/Method: Control ___ of ___

1. Control Equipment/Method Description:
2. Control Device or Method Code:

EMISSIONS UNIT INFORMATION

Section [1] of [1]

Relocatable Rock/Concrete Crusher

B. EMISSIONS UNIT CAPACITY INFORMATION

(Optional for unregulated emissions units.)

Emissions Unit Operating Capacity and Schedule

1. Maximum Process or Throughput Rate: 150 tons/hour
2. Maximum Production Rate:
3. Maximum Heat Input Rate: million Btu/hr
4. Maximum Incineration Rate: pounds/hr tons/day
5. Requested Maximum Operating Schedule: hours/day days/week weeks/year 160 hours/year
6. Operating Capacity/Schedule Comment: Based on information obtained on typical rock/concrete crushing equipment, the concrete crusher will have a maximum throughput rate or capacity of 150 tons per hour. Based on the anticipated operating conditions, the concrete crusher will be used an average of approximately 20 days per year for 8 hours per day or approximately 160 hours per year. If the crusher capacity is greater than 150 tons/hour, the Facility will be subject to 40 CFR Subpart OOO, Standards of Performance for Nonmetallic Mineral Processing Plants. If the crusher capacity is 150 tons/hour or less, Subpart OOO will not apply.

EMISSIONS UNIT INFORMATION

Section [1] of [1]

Relocatable Rock/Concrete Crusher

C. EMISSION POINT (STACK/VENT) INFORMATION

(Optional for unregulated emissions units.)

Emission Point Description and Type

1. Identification of Point on Plot Plan or Process Flow Diagram: Plot Plan: Approximate Location of Relocatable Rock/Concrete Crusher (Varies)		2. Emission Point Type Code: 4	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking: No definable emission point on rock crusher.			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: N/A. None			
5. Discharge Type Code: F	6. Stack Height: Feet	7. Exit Diameter: feet	
8. Exit Temperature: 77 °F	9. Actual Volumetric Flow Rate: Acfm	10. Water Vapor: %	
11. Maximum Dry Standard Flow Rate: dscfm		12. Nonstack Emission Point Height: Feet 0 ft.	
13. Emission Point UTM Coordinates... Zone: East (km): North (km):		14. Emission Point Latitude/Longitude... Latitude (DD/MM/SS) Longitude (DD/MM/SS)	
15. Emission Point Comment: The concrete crusher will operate in various locations at the site as the crusher will be relocated as needed based on site operating conditions and locations and quantities of rock/concrete to be processed.			

EMISSIONS UNIT INFORMATION

Section [1] of [1]

Relocatable Rock/Concrete Crusher

D. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment __ of __

1. Segment Description (Process/Fuel Type): N/A		
2. Source Classification Code (SCC):		3. SCC Units:
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment:		

Segment Description and Rate: Segment __ of __

1. Segment Description (Process/Fuel Type):		
2. Source Classification Code (SCC):		3. SCC Units:
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment:		

**F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION –
 POTENTIAL, FUGITIVE, AND ACTUAL EMISSIONS**
 (Optional for unregulated emissions units.)

Complete a Subsection F1 for each pollutant identified in Subsection E if applying for an air construction permit or concurrent processing of an air construction permit and a revised or renewal Title V operation permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

Potential, Estimated Fugitive, and Baseline & Projected Actual Emissions

1. Pollutant Emitted: PM ₁₀		2. Total Percent Efficiency of Control: N/A	
3. Potential Emissions: 0.066 lb/hour 0.2886 tons/year		4. Synthetically Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Range of Estimated Fugitive Emissions (as applicable): to tons/year			
6. Emission Factor: 0.00220 lb/hp-hr (engine)/0.0024 lb/ton (crushing)/0.0087 lb/ton (screening) Reference: AP-42, Chapter 3.3, Table 3.3-1/ AP-42, Chapter 11.19.2		7. Emissions Method Code: 3	
8.a. Baseline Actual Emissions (if required): tons/year		8.b. Baseline 24-month Period: From: To:	
9.a. Projected Actual Emissions (if required): tons/year		9.b. Projected Monitoring Period: <input type="checkbox"/> 5 years <input type="checkbox"/> 10 years	
10. Calculation of Emissions: See Attachment III.F.1. for Potential Emissions Calculations.			
11. Potential, Fugitive, and Actual Emissions Comment:			

**F2. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION -
 ALLOWABLE EMISSIONS**

Complete Subsection F2 if the pollutant identified in Subsection F1 is or would be subject to a numerical emissions limitation.

Allowable Emissions Allowable Emissions ___ of ___

1. Basis for Allowable Emissions Code: N/A	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

Allowable Emissions Allowable Emissions ___ of ___

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

Allowable Emissions Allowable Emissions ___ of ___

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable Emissions:
3. Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance:	
6. Allowable Emissions Comment (Description of Operating Method):	

EMISSIONS UNIT INFORMATION

Section [1] of [1]

Relocatable Rock/Concrete Crusher

G. VISIBLE EMISSIONS INFORMATION

Complete Subsection G if this emissions unit is or would be subject to a unit-specific visible emissions limitation.

Visible Emissions Limitation: Visible Emissions Limitation __ of __

1. Visible Emissions Subtype: N/A	2. Basis for Allowable Opacity: <input type="checkbox"/> Rule <input type="checkbox"/> Other
3. Allowable Opacity: Normal Conditions: % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour	
4. Method of Compliance:	
5. Visible Emissions Comment:	

Visible Emissions Limitation: Visible Emissions Limitation __ of __

1. Visible Emissions Subtype:	2. Basis for Allowable Opacity: <input type="checkbox"/> Rule <input type="checkbox"/> Other
3. Allowable Opacity: Normal Conditions: % Exceptional Conditions: % Maximum Period of Excess Opacity Allowed: min/hour	
4. Method of Compliance:	
5. Visible Emissions Comment:	

EMISSIONS UNIT INFORMATION

Section [1] of [1]

Relocatable Rock/Concrete Crusher

H. CONTINUOUS MONITOR INFORMATION

Complete Subsection H if this emissions unit is or would be subject to continuous monitoring.

Continuous Monitoring System: Continuous Monitor ___ of ___

1. Parameter Code: N/A	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information... Manufacturer: Model Number: Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment:	

Continuous Monitoring System: Continuous Monitor ___ of ___

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	<input type="checkbox"/> Rule <input type="checkbox"/> Other
4. Monitor Information... Manufacturer: Model Number: Serial Number:	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment:	

EMISSIONS UNIT INFORMATION

Section [1] of [1]

Relocatable Rock/Concrete Crusher

I. EMISSIONS UNIT ADDITIONAL INFORMATION

Additional Requirements for All Applications, Except as Otherwise Stated

1. Process Flow Diagram: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input checked="" type="checkbox"/> Attached, Document ID: <u>Attach. II.C.2</u> <input type="checkbox"/> Previously Submitted, Date _____
2. Fuel Analysis or Specification: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input checked="" type="checkbox"/> Attached, Document ID: <u>Attach. III.I.2</u> <input type="checkbox"/> Previously Submitted, Date _____
3. Detailed Description of Control Equipment: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input checked="" type="checkbox"/> Attached, Document ID: <u>Attach. III.I.3</u> <input type="checkbox"/> Previously Submitted, Date _____
4. Procedures for Startup and Shutdown: (Required for all operation permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date _____ <input checked="" type="checkbox"/> Not Applicable (construction application)
5. Operation and Maintenance Plan: (Required for all permit applications, except Title V air operation permit revision applications if this information was submitted to the department within the previous five years and would not be altered as a result of the revision being sought) <input checked="" type="checkbox"/> Attached, Document ID: <u>Attach. III.I.5</u> <input type="checkbox"/> Previously Submitted, Date _____ <input type="checkbox"/> Not Applicable
6. Compliance Demonstration Reports/Records: <input type="checkbox"/> Attached, Document ID: _____ Test Date(s)/Pollutant(s) Tested: _____ <input type="checkbox"/> Previously Submitted, Date: _____ Test Date(s)/Pollutant(s) Tested: _____ <input type="checkbox"/> To be Submitted, Date (if known): _____ Test Date(s)/Pollutant(s) Tested: _____ <input checked="" type="checkbox"/> Not Applicable Note: For FESOP applications, all required compliance demonstration records/reports must be submitted at the time of application. For Title V air operation permit applications, all required compliance demonstration reports/records must be submitted at the time of application, or a compliance plan must be submitted at the time of application.
7. Other Information Required by Rule or Statute: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

ATTACHMENT II.C.1

PLOT PLAN

NOTE:
AERIAL PHOTOGRAPH BY PICKETT AND ASSOCIATES, INC.
FLIGHT DATE 01/23/13.

PROPOSED LOCATION OF THE
ROCK CRUSHER (APPROX.)

PROPERTY BOUNDARY

TO SR 29

CHURCH ROAD

COMPOSTING FACILITY

CLASS I LANDFILL
(31.25 AC)

CLASS III LANDFILL
(25AC)

PROPOSED
ASH MONOFILL
EXPANSION
(20.6 AC)

LEACHATE STORAGE PONDS

LEACHATE INJECTION WELL

ASH MONOFILL
(16.2 AC)

LANDFILL OPERATIONS AND
MAINTENANCE BUILDING

SCALE/SCALEHOUSE

DIESEL EMERGENCY
GENERATOR

FACILITY
ENTRANCE

TO SR 82

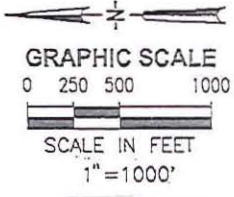


FIGURE 1
FACILITY PLOT PLAN
LEE/HENDRY COUNTY REGIONAL SOLID WASTE DISPOSAL FACILITY



NOTE: ROCK CRUSHER MAY BE RELOCATED TO OTHER AREAS AT THE FACILITY AS NEEDED DEPENDING ON THE ROCK/CONCRETE STOCKPILE LOCATION WHICH MAY CHANGE OVER TIME.

ATTACHMENT II.C.2

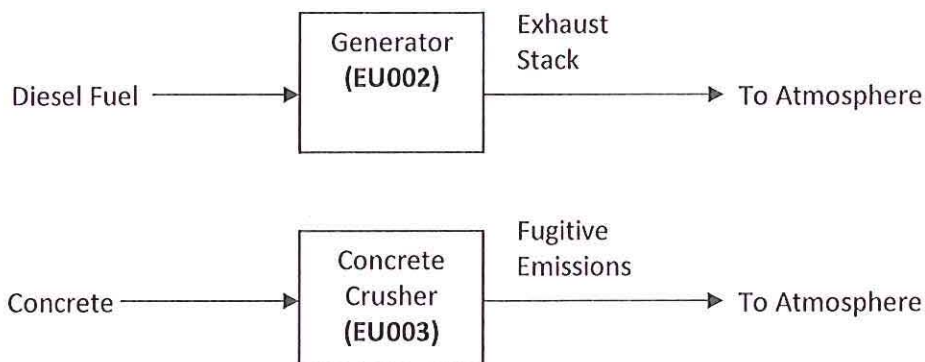
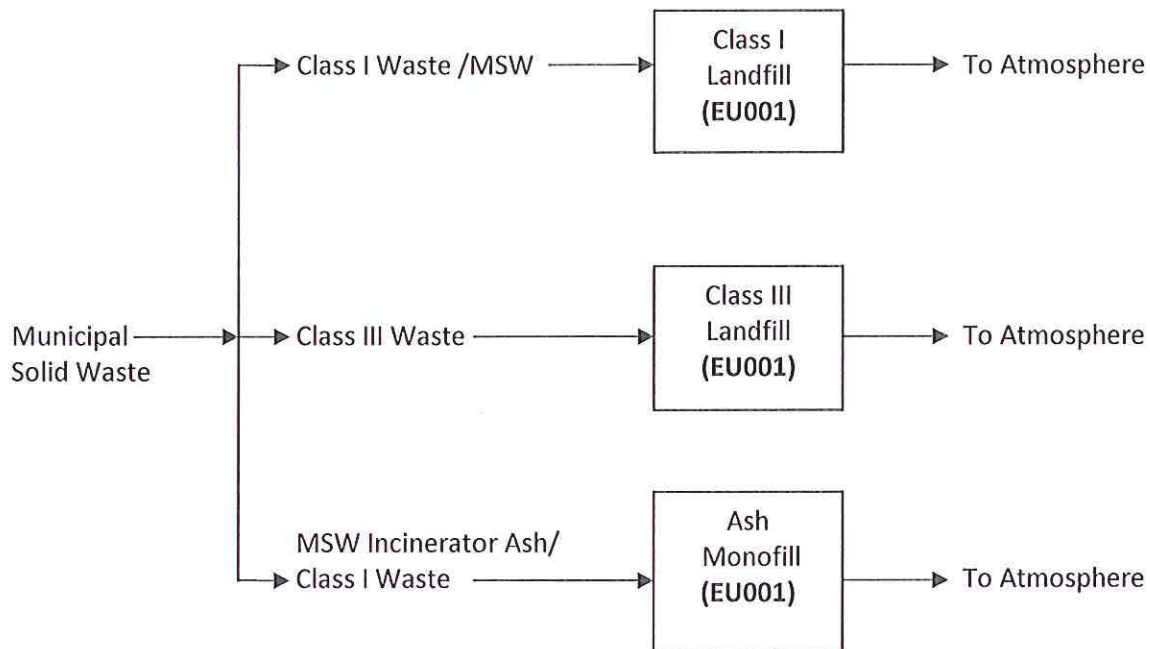
PROCESS FLOW DIAGRAM

ATTACHMENT II.C.2

PROCESS FLOW DIAGRAM

EU001 Landfill Disposal Areas (combined)

(Fugitive Emissions)



ATTACHMENT II.C.3

PRECAUTIONS TO PREVENT EMISSIONS OF UNCONFINED PARTICULATE MATTER

Attachment II.C.3.

Precautions to Prevent Emissions of Unconfined Particulate Matter

Precautions to prevent emissions of unconfined particulate matter from any activity, including vehicular movement, transportation of materials, construction, alteration, demolitions or wrecking or activities such as loading, unloading, storing or handling, as well as from the proposed new emissions unit, will be implemented at the Facility. These precautions include the following:

- Posted speed limits;
- Watering of unpaved roadways as conditions warrant;
- Maintaining vegetated buffer areas surrounding the site;
- Prohibiting unnecessary off-road travel;
- Monitoring of established vegetation growth on the landfills;
- Spraying unpaved roads and/or processing areas/operations with water as needed to prevent dust from escaping; and
- Use of best management practices in any on-site construction projects to prevent fugitive emissions.

ATTACHMENT II.C.4

DESCRIPTION OF PROPOSED CONSTRUCTION

ATTACHMENT II.C.4

DESCRIPTION OF PROPOSED CONSTRUCTION

This application is for an air construction permit for a mobile or relocatable rock/concrete crusher to be operated at the Facility by a third party (contractor) as needed based on site and operating conditions and the quantity of accumulated rock/concrete.

The crushing operation will be performed by different contractors depending on contractor and equipment availability. As such, specific equipment information is not available at this time. However, to estimate potential emissions from the crushing operation, information on typical crushing equipment was obtained and assumptions were made based on expected maximum operating conditions.

Based on information provided by the potential contractor, the crusher proposed for use at the Facility has a maximum capacity of 150 tons per hour and a maximum horsepower of 325 hp. The process or operating rate will depend on the quantity of concrete/rock accumulated at the Facility. Based on the quantity of material currently accumulated, the equipment is anticipated to operate 8 hours per day, 20 days per year or approximately 160 hours per year.

ATTACHMENT II.C.5

RULE APPLICABILITY ANALYSES

ATTACHMENT II.C.5
 RULE APPLICABILITY ANALYSES

Federal Regulations
40 CFR 60, Subpart A, NSPS – General Provisions
40 CFR 60 Subpart WWW – Standards of Performance for Municipal Solid Waste Landfills
40 CFR 60 Subpart IIII – NSPS for Stationary Compression Ignition Internal Combustion Engines
40 CFR 61 Subpart A – General Provisions - NESHAP
40 CFR 61 Subpart M (Set A) – NESHAP For Asbestos
40 CFR 63 Subpart A – General Provisions - NESHAP
40 CFR 63 Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.
40 CFR 70, State Operating Permit Program Consistent with Title V of the Clean Air Act
40 CFR 98, Mandatory Reporting of Greenhouse Gases
State Regulations
Rule 62-4, Florida Administrative Code (F.A.C.) (Permitting Requirements)
Rule 62-204, F.A.C. (Ambient Air Quality Requirements, PSD Increments, and Federal Regulations Adopted by Reference)
Rule 62-210, F.A.C. (Permits Required, Public Notice, Reports, Stack Height Policy, Circumvention, Excess Emissions, and Forms)
Rule 62-213, F.A.C. (Title V Air Operation Permits for Major Sources of Air Pollution)
Rule 62-296, F.A.C., Stationary Sources-Emissions Standards
Rule 62-297, F.A.C. (Test Methods and Procedures, Continuous Monitoring Specifications, and Alternate Sampling Procedures)

*Lee/Hendry Landfill
Facility ID 0510030
Application for Air Construction Permit
May 2015*

ATTACHMENT II.C.6

FUGITIVE EMISSION IDENTIFICATION

ATTACHMENT II.C.6
FUGITIVE EMISSION IDENTIFICATION

Emissions from the proposed rock crusher consist of fugitive emissions of particulate matter (PM10) from the rock/concrete crushing and screening operation. See Attachment III.F.1 for calculations of estimated emissions.

ATTACHMENT III.F.1

POTENTIAL TO EMIT CALCULATIONS

ATTACHMENT III.F.1

AIR EMISSIONS CALCULATIONS NON-STATIONARY DIESEL-FIRED ROCK/CONCRETE CRUSHER

The emission calculations for the third-party owned and operated diesel-fired rock/concrete crusher proposed to be operated at the Facility to process accumulated rock/concrete are provided below.

Based on information provided by the potential contractor, the crusher proposed for use at the Facility has a maximum capacity of 150 tons per hour and a maximum horsepower of 325 hp.

The process or operating rate will depend on the quantity of concrete/rock accumulated at the Facility. Based on the quantity of material currently accumulated, the equipment is anticipated to operate 8 hours per day, 20 days per year or approximately 160 hours per year.

The potential emissions are calculated and summarized below.

POTENTIAL EMISSIONS FROM ROCK CRUSHING OPERATION

Pollutant	Emission Factor	PTE Emissions (tons)
PM ₁₀ (crushing)	0.0024 lb/ton	0.0624
PM ₁₀ (screening)	0.0087 lb/ton	0.2262
TOTAL		0.2886

Emissions factors for PM₁₀ (crushing) and PM₁₀ (screening) were obtained from AP-42, Chapter 11.19.2

Crushing Operation Emissions (based on emissions factors in Chapter 11.19.2 of AP-42):

Particulate Matter PTE Emissions (screening):

The maximum potential PM₁₀ emissions for the screening operation were calculated to be:

$$(0.0024 \text{ lb/ton}) \times (\text{ton}/2000 \text{ lb}) \times (160 \text{ hr/year}) \times (325 \text{ hp}) = 0.0624 \text{ tons PM}_{10}/\text{year}$$

Particulate Matter PTE Emissions (crushing):

The maximum potential PM₁₀ emissions for the crushing operation were calculated to be:

$$(0.0087 \text{ lb/ton}) \times (\text{ton}/2000 \text{ lb}) \times (160 \text{ hr/year}) \times (325 \text{ hp}) = 0.2262 \text{ tons PM}_{10}/\text{year}$$

ATTACHMENT III.I.2

FUEL ANALYSES OR SPECIFICATIONS

ATTACHMENT III.I.2
FUEL ANALYSES OR SPECIFICATIONS

The section is not applicable to the proposed rock crusher because it has no true emissions point (fugitive emissions only). The concrete crusher is mobile thus it contains a non-road engine which EPA has determined is not a stationary source subject to permitting thus no fuel analyses or specifications are required.

ATTACHMENT III.I.3

DETAILED DESCRIPTION OF CONTROL EQUIPMENT

ATTACHMENT III.I.3

DETAILED DESCRIPTION OF CONTROL EQUIPMENT

This section is not applicable for the proposed rock crusher that has no true emissions point. See Attachment II.C.3 which identifies the precautions that will be taken to prevent emission of unconfined particulate matter.

ATTACHMENT III.I.5

OPERATION AND MAINTENANCE PLAN

ATTACHMENT III.I.5
OPERATION AND MAINTENANCE PLAN

This section is not applicable to the proposed rock crusher which has no true emission point. The rock crusher will be owned and operated by a third party contractor who will be required to show that he possess a valid general air permit for the crushing equipment/operation.