

**Covanta Projects, Inc.**  
A Covanta Energy Company  
40 Lane Road, CN 2615  
Fairfield, NJ 07007-2615  
Tel 973 882 9000  
Fax 973 882 4168

RECEIVED

OCT 27 2003

BUREAU OF AIR REGULATION

October 24, 2003

Mr. Scott M. Sheplak, P.E., Administrator  
FDEP, Title V Section  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400

*SUBJ:* Covanta Lake, Inc.  
Lake County Resource Recovery Facility, Facility ID 0690046  
MWC Unit #1 and #2, E.U. ID #001 and 002  
Dolomitic Lime Feed Systems

Dear Mr. Sheplak:


Enclosed please find four (4) copies of an application for a determination of insignificant emission units or activities pursuant to FAC 62-213.420(3)(n). The applicant is proposing to install a dolomitic lime feed system to each of the two MWC ash handling system. The applicant believes that each dolomitic lime feed system meets all of the criteria set forth in FAC 62-213.430(6) as an insignificant emission unit. The applicant further understands that emission units added to a Title V source after issuance of a permit under this chapter shall be incorporated into the permit at its next renewal, provided such emissions units or activities have been exempted from the requirement to obtain an air construction permit and also qualify as insignificant pursuant to this rule.

The applicant requests expedited processing of this request. An application fee should not be required for this request.

If additional information is needed, please do not hesitate to contact me at (973) 882-7285 or [lbrasowski@covantaenergy.com](mailto:lbrasowski@covantaenergy.com).

Thank you for your cooperation.

Sincerely,



Leon Brasowski  
V.P., Environmental Permitting

Copy: B. Crellin  
G. Main  
T. Staniec  
V. Ta

\* Not the original application; but request for determination of insignificant emission units or activities.

Scan under correspondence per E. Walker



# Department of Environmental Protection

RECEIVED

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## Division of Air Resource Management

### APPLICATION FOR AIR PERMIT - LONG FORM BUREAU OF AIR REGULATION

#### I. APPLICATION INFORMATION

**Air Construction Permit** – Use this form to apply for an air construction permit for a proposed project:

- subject to prevention of significant deterioration (PSD) review, nonattainment area (NAA) new source review, or maximum achievable control technology (MACT) review; or
- where the applicant proposes to assume a restriction on the potential emissions of one or more pollutants to escape a federal program requirement such as PSD review, NAA new source review, Title V, or MACT; or
- at an existing federally enforceable state air operation permit (FESOP) or Title V permitted facility.

**Air Operation Permit** – Use this form to apply for:

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

**Air Construction Permit & Revised/Renewal Title V Air Operation Permit (Concurrent Processing Option)** – Use this form to apply for both an air construction permit and a revised or renewal Title V air operation permit incorporating the proposed project.

To ensure accuracy, please see form instructions.

#### Identification of Facility

1. Facility Owner/Company Name: Covanta Lake, Inc,	
2. Site Name: Lake County Resource Recovery Facility	
3. Facility Identification Number: 0690046	
4. Facility Location...: Street Address or Other Locator: 3830 Rogers Industrial Park Road City: Okahumpka                      County: Lake                      Zip Code: 34762	
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: Leon Brasowski	
2. Application Contact Mailing Address... Organization/Firm: Covanta Projects Street Address: 40 Lane Road City: Fairfield                      State: NJ                      Zip Code: 07007	
3. Application Contact Telephone Numbers... Telephone: (973) 882 -7285      ext.      Fax: (973) 882 - 4167	
4. Application Contact Email Address: lbrasowski@covantaenergy.com	

#### Application Processing Information (DEP Use)

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

**APPLICATION INFORMATION**

4. Siting Number (if applicable):	
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## APPLICATION INFORMATION

### Purpose of Application

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

#### **Air Construction Permit**

Air construction permit.

#### **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

Operation permit number to be revised: 0690046-001-AV

PSD permit number to be revised:

Power Plant Siting number:

This application requests revision to the Title V permit's Appendix I-1, List of Insignificant Emissions Units and/or Activities. The revision involves adding an identical dolomitic lime feed system to each MWC ash handling system. Each independent dolomitic lime feed system consists of: a storage silo, a hopper, a feeder, and a screw conveyor. The silos will be pneumatically filled with lime delivered by bulk trucks. A baghouse for each silo is operated to control particulate matter emissions generated during silo fillings. The hopper, feeder, and screw conveyor are covered/enclosed to prevent fugitive emissions. Based on the silo process rate and the baghouse design, the emissions from each dolomitic lime feed system qualify as insignificant pursuant to rule 62-213.430(6), FAC. Please refer to attached information package which describes design, operation and emissions calculations.

**APPLICATION INFORMATION**

**Scope of Application**

<b>Emissions Unit ID Number</b>	<b>Description of Emissions Unit</b>	<b>Air Permit Type</b>	<b>Air Permit Proc. Fee</b>
	Two Dolomitic lime feed systems	AFMM	0

**Application Processing Fee**

**Check one:**  Attached - Amount: \$ \_\_\_\_\_  Not Applicable

**APPLICATION INFORMATION**

**Owner/Authorized Representative Statement**


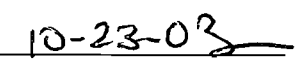
**Complete if applying for an air construction permit or an initial FESOP.**

1. Owner/Authorized Representative Name :
2. Owner/Authorized Representative Mailing Address... Organization/Firm: Street Address: City: State: Zip Code:
3. Owner/Authorized Representative Telephone Numbers... Telephone: (727) 847-8115 ext. Fax: (727) 847-8021
4. Owner/Authorized Representative Email Address:
5. Owner/Authorized Representative Statement:  <i>I, the undersigned, am the owner or authorized representative of the facility 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 requirements identified in this application to which the facility 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.</i>   Signature  10-23-03 Date

**APPLICATION INFORMATION**

**Application Responsible Official Certification**

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

1. Application Responsible Official Name: Leon Brasowski
2. Application Responsible Official Qualification (Check one or more of the following options, as applicable): <input checked="" 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 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.
3. Application Responsible Official Mailing Address... Organization/Firm: Covanta Projects Street Address: 40 Lane Road City: Fairfield State: NJ Zip Code: 07007
4. Application Responsible Official Telephone Numbers... Telephone: (973) 882-7285 ext. Fax: (973) 882-4167
5. Application Responsible Official Email Address: lbrasowski@covantaenergy.com
6. Application Responsible Official Certification: <i>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.</i>  Signature  Date



**APPLICATION INFORMATION**

**Professional Engineer Certification**

1. Professional Engineer Name: William R. Crellin, P.E. Registration Number: 46574
2. Professional Engineer Mailing Address... Organization/Firm: Covanta Energy Street Address: 14230 Hays Road City: Spring Hill State: FL Zip Code: 34610
3. Professional Engineer Telephone Numbers... Telephone: (727) 856-2917 ext. Fax: (727) 856-0007
4. Professional Engineer Email Address: wcrellin@covantaenergy.com
5. Professional Engineer Statement: <i>I, the undersigned, hereby certify, except as particularly noted herein*, that:</i>  <i>(1) 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>  <i>(2) 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>  <i>(3) 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>  <i>(4) 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 checked="" 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>  <i>(5) 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>

Signature: William R. Crellin, P.E. Date: 10/23/03

(seal) NO. 46574 STATE OF FLORIDA PROFESSIONAL ENGINEER

**APPLICATION INFORMATION**

\* 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)    413.1 North (km)   3179.2		2. Facility Latitude/Longitude... Latitude (DD/MM/SS)   28/44/22 Longitude (DD/MM/SS) 81/53/23	
3. Governmental Facility Code: 0	4. Facility Status Code: A	5. Facility Major Group SIC Code: 49	6. Facility SIC(s): 4953
7. Facility Comment :			

#### Facility Contact

1. Facility Contact Name: Gary Main
2. Facility Contact Mailing Address... Organization/Firm: Covanta Lake, Inc. Street Address: 3838 Rogers Industrial Park Road City: Okahumpka                                    State: FL                                    Zip Code: 34762
3. Facility Contact Telephone Numbers: Telephone: (352) 365-1611      ext.226      Fax: (352) 365-6359
4. Facility Contact Email Address: gmain@covantaenergy.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:
2. Facility Primary Responsible Official Mailing Address... Organization/Firm: Street Address: City:                                    State:                                    Zip Code:
3. Facility Primary Responsible Official Telephone Numbers... Telephone: (     )      -      ext.      Fax: (     )      -
4. Facility Primary Responsible Official Email Address:

## FACILITY INFORMATION

### 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 checked="" 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 checked="" 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 checked="" type="checkbox"/> One or More Emissions Units Subject to Emission Guidelines (40 CFR Part 60)	
10. <input type="checkbox"/> One or More Emissions Units Subject to NESHAP (40 CFR Part 61 or Part 63)	
11. <input checked="" type="checkbox"/> Title V Source Solely by EPA Designation (40 CFR 70.3(a)(5))	
12. Facility Regulatory Classifications Comment:	

**FACILITY INFORMATION**

**List of Pollutants Emitted by Facility**

1. Pollutant Emitted	2. Pollutant Classification	3. Emissions Cap [Y or N]?
PM	B	N
SO2	B	N
NOX	A	N
H106	B	N
CO	B	N
PB	B	N
H027	B	N
H114	B	N
DIOX	B	N

**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 No.s Under Cap (if not all units)	4. Hourly Cap (lb/hr)	5. Annual Cap (ton/yr)	6. Basis for Emissions Cap

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

**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>FIGURE 2</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>C-3</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>LAKEPRE IIC3</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 type="checkbox"/> Not Applicable (existing permitted facility)
2. Description of Proposed Construction or Modification: <input type="checkbox"/> Attached, Document ID: _____
3. Rule Applicability Analysis: <input type="checkbox"/> Attached, Document ID: _____
4. List of Exempt Emissions Units (Rule 62-210.300(3)(a) or (b)1., F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable (no exempt units at facility)
5. Fugitive Emissions Identification (Rule 62-212.400(2), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
6. Preconstruction Air Quality Monitoring and Analysis (Rule 62-212.400(5)(f), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
7. Ambient Impact Analysis (Rule 62-212.400(5)(d), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
8. Air Quality Impact since 1977 (Rule 62-212.400(5)(h)5., F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
9. Additional Impact Analyses (Rules 62-212.400(5)(e)1. and 62-212.500(4)(e), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable
10. Alternative Analysis Requirement (Rule 62-212.500(4)(g), F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable

**FACILITY INFORMATION**

**Additional Requirements for FESOP Applications**

1. List of Exempt Emissions Units (Rule 62-210.300(3)(a) or (b)1., F.A.C.): <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable (no exempt units at facility)
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**Additional Requirements for Title V Air Operation Permit Applications**

1. List of Insignificant Activities (Required for initial/renewal applications only): <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable (revision application)
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 (revision application with no change in applicable requirements)
3. Compliance Report and Plan (Required for all initial/revision/renewal applications): <input checked="" type="checkbox"/> Attached, Document ID: <u>LAKECOMP IIC3</u> 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 On site 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 checked="" type="checkbox"/> Attached, Document ID: <u>LAKECHANGE IIC6</u> <input type="checkbox"/> Not Applicable

**Additional Requirements Comment**

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## EMISSIONS UNIT INFORMATION

Section [1] of [1]

### 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 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 for air permit. 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 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/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. **The air construction permitting classification must be used to complete the Emissions Unit Information Section of this application for air permit.** 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 construction permitting and insignificant emissions units 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]

**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: Two identical Dolomitic lime feed systems each independently serves a MWC.

3. Emissions Unit Identification Number:

4. Emissions Unit Status Code: C	5. Commence Construction Date:	6. Initial Startup Date:	7. Emissions Unit Major Group SIC Code: 49	8. Acid Rain Unit? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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9. Package Unit:  
Manufacturer: \_\_\_\_\_ Model Number: \_\_\_\_\_

10. Generator Nameplate Rating: \_\_\_\_\_ MW

11. Emissions Unit Comment:

**EMISSIONS UNIT INFORMATION**

Section [1] of [1]

**Emissions Unit Control Equipment**

1. Control Equipment/Method(s) Description:

The lime storage silo will be equipped with a vent filter baghouse to control particulate matter emissions generated while the silo is being pneumatically filled.

2. Control Device or Method Code(s): 018

**EMISSIONS UNIT INFORMATION**

Section [1] of [1]

**B. EMISSIONS UNIT CAPACITY INFORMATION**

(Optional for unregulated emissions units.)

**Emissions Unit Operating Capacity and Schedule**

1. Maximum Process or Throughput Rate:		
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	hours/year
	6. Operating Capacity/Schedule Comment:	

**EMISSIONS UNIT INFORMATION**

Section [1] of [1]

**C. EMISSION POINT (STACK/VENT) INFORMATION**  
**(Optional for unregulated emissions units.)**

**Emission Point Description and Type**

1. Identification of Point on Plot Plan or Flow Diagram:		2. Emission Point Type Code:	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking:			
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common:			
5. Discharge Type Code:	6. Stack Height: feet		7. Exit Diameter: feet
8. Exit Temperature: °F	9. Actual Volumetric Flow Rate: acfm		10. Water Vapor: %
11. Maximum Dry Standard Flow Rate: dscfm		12. Nonstack Emission Point Height: feet	
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:			

**EMISSIONS UNIT INFORMATION**

Section [1] of [1]

**D. SEGMENT (PROCESS/FUEL) INFORMATION**

**Segment Description and Rate:** Segment 1 of 1

1. Segment Description (Process/Fuel Type): Dolomitic lime silo filling		
2. Source Classification Code (SCC): 30510505		3. SCC Units: tons processed
4. Maximum Hourly Rate: 25	5. Maximum Annual Rate: 1051.2	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:		

**EMISSIONS UNIT INFORMATION**

Section [ ] of [ ]

**D. SEGMENT (PROCESS/FUEL) INFORMATION (CONTINUED)**

**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:		

**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:		

**EMISSIONS UNIT INFORMATION**

Section [ ] of [ ]

**E. EMISSIONS UNIT POLLUTANTS**

**List of Pollutants Emitted by Emissions Unit**

1. Pollutant Emitted	2. Primary Control Device Code	3. Secondary Control Device Code	4. Pollutant Regulatory Code



**F1. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION –  
POTENTIAL/ESTIMATED FUGITIVE EMISSIONS**

**(Optional for unregulated emissions units.)**

**Potential/Estimated Fugitive Emissions**

Complete 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 permit. Complete for each emissions-limited pollutant identified in Subsection E if applying for an air operation permit.

1. Pollutant Emitted:		2. Total Percent Efficiency of Control:	
3. Potential Emissions: lb/hour    tons/year		4. Synthetically Limited? <input type="checkbox"/> Yes <input type="checkbox"/> No	
5. Range of Estimated Fugitive Emissions (as applicable): to    tons/year			
6. Emission Factor:  Reference:		7. Emissions Method Code:	
8. Calculation of Emissions:			
9. Pollutant Potential/Estimated Fugitive Emissions Comment:			

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

**Complete 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:	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 [ ] of [ ]

**G. VISIBLE EMISSIONS INFORMATION**

**Complete 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:	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 [ ] of [ ]

**H. CONTINUOUS MONITOR INFORMATION**

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

**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:	

**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 [ ] of [ ]

**H. CONTINUOUS MONITOR INFORMATION (CONTINUED)**

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

**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:	

**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]

**I. EMISSIONS UNIT ADDITIONAL INFORMATION**

**Additional Requirements for All Applications, Except as Otherwise Stated**

<p>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>C-3</u>      <input type="checkbox"/> Previously Submitted, Date _____</p>
<p>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>DOLOSPEC IIIC2</u>      <input type="checkbox"/> Previously Submitted, Date _____</p>
<p>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>BAGHOUSE</u>      <input type="checkbox"/> Previously Submitted, Date _____</p>
<p>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)</p>
<p>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 type="checkbox"/> Attached, Document ID: _____      <input type="checkbox"/> Previously Submitted, Date _____ <input checked="" type="checkbox"/> Not Applicable</p>
<p>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</p> <p>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.</p>

7. Other Information Required by Rule or Statute

Attached, Document ID: \_\_\_\_\_

Not Applicable

**EMISSIONS UNIT INFORMATION**

Section [1] of [1]

**Additional Requirements for Air Construction Permit Applications**

1. Control Technology Review and Analysis (Rules 62-212.400(6) and 62-212.500(7), F.A.C.; 40 CFR 63.43(d) and (e)) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
2. Good Engineering Practice Stack Height Analysis (Rule 62-212.400(5)(h)6., F.A.C., and Rule 62-212.500(4)(f), F.A.C.) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
3. Description of Stack Sampling Facilities (Required for proposed new stack sampling facilities only) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable

**Additional Requirements for Title V Air Operation Permit Applications**

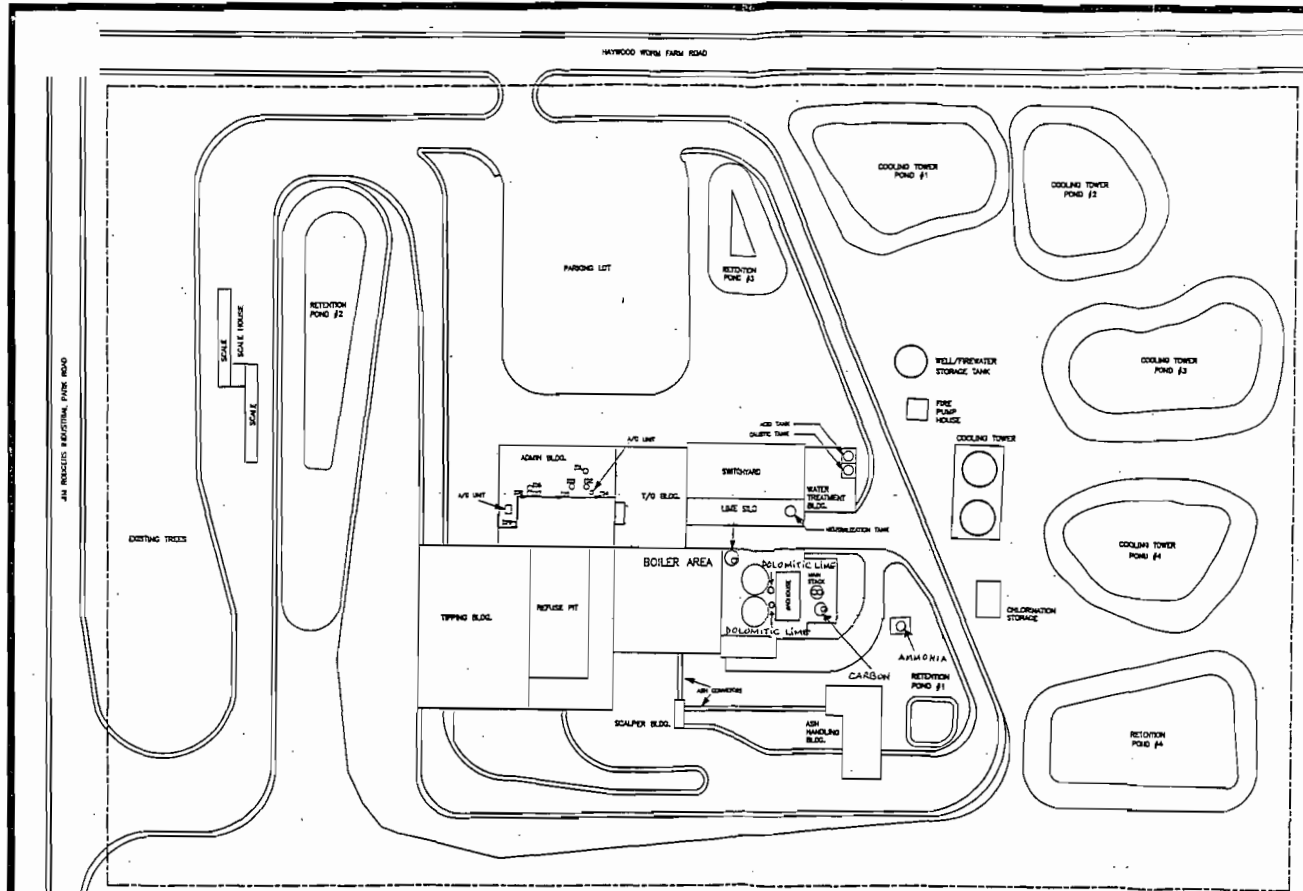
1. Identification of Applicable Requirements <input checked="" type="checkbox"/> Attached, Document ID: <u>APRE IIIC1</u>
2. Compliance Assurance Monitoring <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
3. Alternative Methods of Operation <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
4. Alternative Modes of Operation (Emissions Trading) <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
5. Acid Rain Part Application <input type="checkbox"/> Certificate of Representation (EPA Form No. 7610-1) <input type="checkbox"/> Copy Attached, Document ID: _____ <input type="checkbox"/> Acid Rain Part (Form No. 62-210.900(1)(a)) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> Repowering Extension Plan (Form No. 62-210.900(1)(a)1.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> New Unit Exemption (Form No. 62-210.900(1)(a)2.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> Retired Unit Exemption (Form No. 62-210.900(1)(a)3.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> Phase II NOx Compliance Plan (Form No. 62-210.900(1)(a)4.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input type="checkbox"/> Phase II NOx Averaging Plan (Form No. 62-210.900(1)(a)5.) <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously Submitted, Date: _____ <input checked="" type="checkbox"/> Not Applicable



**EMISSIONS UNIT INFORMATION**

Section [ ] of [ ]

**Additional Requirements Comment**



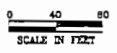
**LEGEND**

---	PROPERTY LINE
■	WALL EXHAUST/VENT
○	ROOF STACK/VENT
EU #1	EMISSION UNIT #1
S/V #1	STACK/VENT #1
125	INSIGNIFICANT UNIT NUMBER 25

NOTE: LOCATIONS OF STACK/VENTS, SPRAY DRYERS, AND BAGHOUSE ARE APPROXIMATE.

PA:DWG\WILA\OGDEN\FIG2.DWG

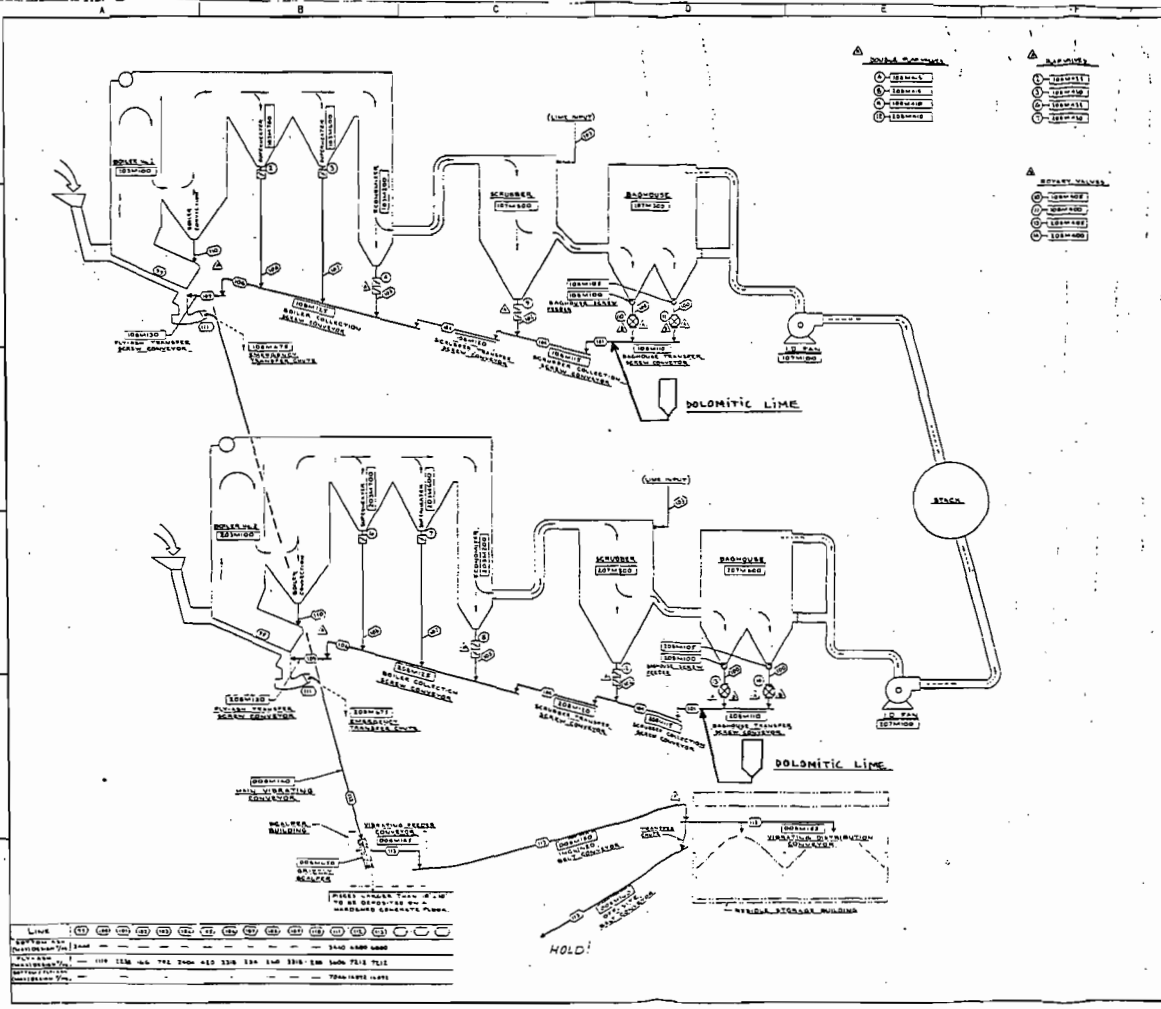
ADDED BOLOMITIC LIME 10/03  
 ADDED AMMONIA 2/00  
 BASED ON ZURN SITE PLAN DATED 6/28/94



**PLOT PLAN**  
 OGDEN MARTIN SYSTEMS OF LAKE, INC.  
 OKAHUMPKA, FLORIDA



FIGURE 2



GENERAL NOTES

DOCUMENT ID: C-  
 PROCESS FLOW DIAGRAM  
 ASH FLOW  
 OGDEN MARTIN SYSTEMS  
 OF LAKE, INC.  
 OKAHUMPKA, FLORIDA

ASH FLOW		
ASPHALT		
PULVERIZER		
CRUSHER		
GRINDER		
KLEINER		
SIEVE		
CONVEYER		
CYCLONE		
SCRUBBER		
CLASSIFIER		
FINE CLASSIFIER		
STORAGE BIN		
DOLOMITIC LINE		
HOLD		

12" Schedule 40  
 10" Schedule 40  
 8" Schedule 40  
 6" Schedule 40  
 4" Schedule 40  
 3" Schedule 40  
 2" Schedule 40

Facility Owner/Company Name: Covanta Lake, Inc.

Site Name: Lake County Resource Recovery

Title V Air Operation Permit No.: 0690046-001-AV

**DESIGN, OPERATION, AND EMISSIONS CALCULATIONS**

Design basis:

- 20 Maximum dolomitic lime feed rate (#/ton refuse combusted)
- 288 Maximum permitted tons of refuse combusted per day per unit
- 650 Baghouse exhaust air flow (cfm)
- 25 Quantity of dolomitic lime delivered by truck (tons)
- 180 Maximum length of time required to unload a truck (minutes)
- 0.02 Manufacturer guarantee baghouse exhaust emissions (gr/dscf)

Calculations:

Tons of lime processed per unit per year =  $20 \text{ \#/T} * 288 \text{ T/D} * 365 \text{ D/Y} / 2000 \text{ \#/T} = 1051.2 \text{ T/Y}$   
Number of trucks per unit per year =  $1051.2 \text{ T/Y} / 25 \text{ T/truck} = 42 \text{ trucks/Y}$   
Truck unloading time per unit per year =  $42 \text{ trucks/Y} * 180 \text{ minutes/truck} = 7569 \text{ minutes/Y}$   
Baghouse exhaust air flow per unit per year =  $650 \text{ cfm} * 7569 \text{ minutes/Y} = 4919616 \text{ cu. Ft.}$   
Emissions per unit per year =  $0.02 \text{ gr/cf} / 7000 \text{ gr/\#} * 4919616 \text{ cf} = 14 \text{ pounds}$

**Total PM emissions from 2 dolomitic lime feed systems per year =  $14 * 2 = 28$  pounds**

Facility Owner/Company Name: Covanta Lake, Inc.

Site Name: Lake County Resource Recovery County: Lake

Title V Air Operation Permit No.: 0690046-001-AV

## **Section II FACILITY INFORMATION**

### **Subsection C FACILITY ADDITIONAL INFORMATION**

#### **Additional Requirements for all Applications**

##### **3. Precautions to Prevent Emissions of Unconfined Particulate Matter**

Document ID: LAKEPRE IIC3

There are no significant sources of fugitive emissions at the facility. Minor amounts of fugitive emissions could potentially be associated with the ash generated at the facility. All reasonable precautions are taken to control/prevent emissions of unconfined particulate matter and fugitive emissions at the facility. These include the following:

- All roads and parking areas are paved, and unpaved areas are landscaped with plants or vegetation.
- Potential emissions of particulate matter emissions from the roads due to vehicular traffic are controlled by posting speed limit and sweeping.
- Application of water would be performed as required during any demolition, grading, construction, or land clearing operations.
- Potential emissions of particulate matter emissions from the ash transfer system are controlled by enclosing and wetting.
- Potential emissions of particulate matter emissions from the tipping floor and refuse feeding are controlled by evacuating the air in this area to the combustion unit(s).

Facility Owner/Company Name: Covanta Lake, Inc.

Site Name: Lake County Resource Recovery County: Lake

Title V Air Operation Permit No.: 0690046-001-AV

**Section II FACILITY INFORMATION**

**Subsection C FACILITY ADDITIONAL INFORMATION**

**Additional Requirements for Title V Air Operation Permit Applications**

3. Compliance Report and Plan

Document ID: LAKECOMP IIC3

This facility is in compliance with all terms and conditions of the Title V Air Operation Permit at the time of this application. Therefore, a compliance plan is not being submitted with this application.

Facility Owner/Company Name: Covanta Lake, Inc.

Site Name: Lake County Resource Recovery County: Lake

Title V Air Operation Permit No.: 0690046-001-AV

**Section II FACILITY INFORMATION**

**Subsection C FACILITY ADDITIONAL INFORMATION**

**Additional Requirements for Title V Air Operation Permit Applications**

6. Requested Changes to Current Title V Air Operation Permit

Document ID: LAKECHANGE IIC6

The Applicant requests the Department to change the content of the Appendix I-1 of the Title V Air Operation Permit. Specifically, the Applicant request that the two dolomitic lime feed systems be added to the List of Insignificant Emissions Units and/or Activities.

Facility Owner/Company Name: Covanta Lake, Inc.

Site Name: Lake County Resource Recovery County: Lake

Title V Air Operation Permit No.: 0690046-001-AV

**Section III EMISSIONS UNIT INFORMATION**

**Subsection I EMISSIONS UNIT ADDITIONAL INFORMATION**

**Additional Requirements for Title V Air Operation Permit Applications**

1. Identification of Applicable Requirements

Document ID: APRE IIIC1

Rule 62-213.420(3)(n), FAC, allows the Applicant to request from the Department a determination of insignificant for emission units or activities because of size or production rate.

Rule 62-213.430(6)(a), FAC, sets the procedures for the Department to process requests for determination of insignificant emissions unit or activities.

Rule 62-213.430(6)(b), FAC, sets criteria in which emission units or activities can be considered insignificant.



Facility Owner/Company Name: Covanta Lake, Inc.

Site Name: Lake County Resource Recovery County: Lake

Title V Air Operation Permit No.: 0690046-001-AV

**Section III EMISSIONS UNIT INFORMATION**

**Subsection I EMISSIONS UNIT ADDITIONAL INFORMATION**

**Additional Requirements for all Applications**

2. Fuel Analysis or Specification

Document ID: DOLOSPEC IIC2

The dolomitic lime may be purchased from a number of domestic vendors. Typical specifications are as follow:

Magnesium Oxide (MgO)	35 – 42 %
Calcium Oxide	55 – 59 %
Silica (SiO <sub>2</sub> )	< 1%
Iron Oxide	< 1%
Alumina (Al <sub>2</sub> O <sub>3</sub> )	< 1%
Sulfur (S)	< 1%
Bulk Density	50 – 60 lbs./cu. Ft.
Fineness (% through US Standard Sieve)	
No. 8	95 – 100 %
No. 16	93 – 99 %
No. 30	87 – 93 %
No. 60	47 – 53 %
No. 100	22 – 28 %

Facility Owner/Company Name: Covanta Lake, Inc.

Site Name: Lake County Resource Recovery County: Lake

Title V Air Operation Permit No.: 0690046-001-AV

### **Section III EMISSIONS UNIT INFORMATION**

#### **Subsection I EMISSIONS UNIT ADDITIONAL INFORMATION**

##### **Additional Requirements for all Applications**

##### **2. Detailed Description of Control Equipment**

Document ID: BAGHOUSE

A dust collector (baghouse) system shall be provided mounted on the silo roof to filter the air exhausted during pneumatic transfer of dolomitic lime from the bulk transport truck into the silo. Vent filters shall be pulse jet cleaned bag type, sized for a maximum air to cloth ratio of 3 to 1 based on a minimum air flow of 650 SCFM. Filters shall be Mikropul or equal. Exhaust air shall have less than 0.02 gr/DSCF of particulate during silo filling.

The dust collector shall be provided with a minimum 650 SCFM centrifugal exhaust fan and electric motor drive mounted on top of the dust collector housing. Fan outlet shall be provided complete with a manual butterfly type of throttling damper which can be locked in position and also a weather hood and bird screen.

The vent filter housings shall be constructed of 12 gauge carbon steel and shall be adequately reinforced to withstand pressures of 15 inches H<sub>2</sub>O above and below atmospheric pressure without pulsation or drumming on flat surfaces. All vent filter housings shall be dust tight at the maximum design pressure and air flow.

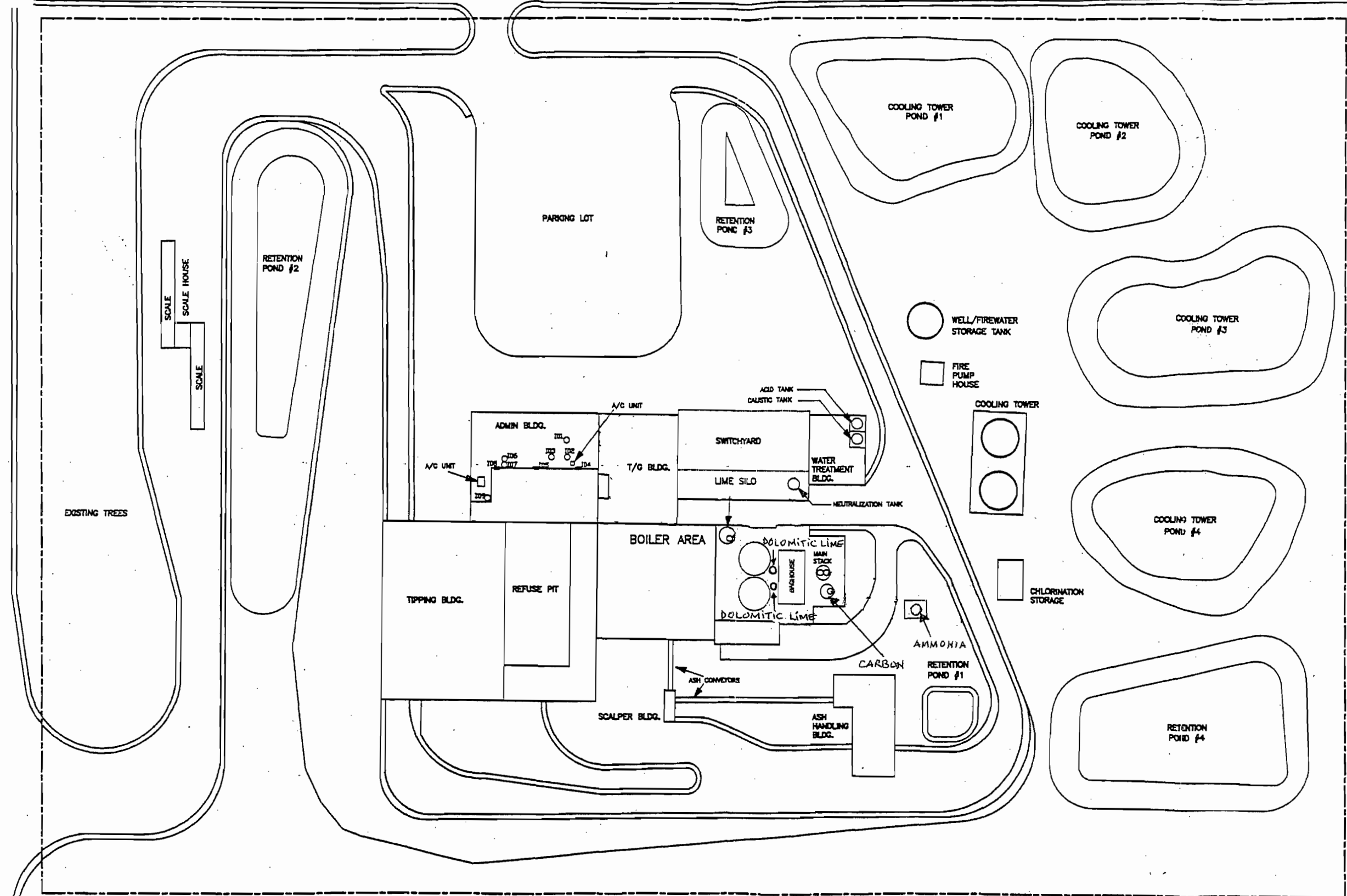
Bag material shall be 16 oz. polyester. Control of the cleaning cycle frequency and pulse duration shall be provided. The dust collector shall be fitted with a local differential pressure indicator and a high differential pressure switch. The high differential pressure switch shall activate a local alarm at the truck unloading panel. The bag cleaning system shall be capable of continuous operation while the collector is in service. A clamped and hinged access door shall be provided for removal of filter bags. The door shall be gasketed to provide a dust tight seal. Instrument air shall be used for dust collector bag cleaning.

\* Not original application  
- Scan under correspondence



HAYWOOD WORM FARM ROAD

JIM ROGERS INDUSTRIAL PARK ROAD



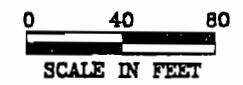
**LEGEND**

- PROPERTY LINE
- ▬ WALL EXHAUST/VENT
- ROOF STACK/VENT
- EU #1 EMISSION UNIT #1
- S/V #1 STACK/VENT #1
- I25 INSIGNIFICANT UNIT NUMBER 25

NOTE: LOCATIONS OF STACK/VENTS, SPRAY DRYERS, AND BAGHOUSE ARE APPROXIMATE.

P:\DWG\WIL\OGDEN\FIG2.DWG

ADDED DOLOMITIC LIME 10/03  
 ADDED AMMONIA 2/00  
 BASED ON ZURN SITE PLAN DATED 6/26/94



**PLOT PLAN**  
 OGDEN MARTIN SYSTEMS OF LAKE, INC.  
 OKAHUMPKA, FLORIDA



FIGURE 2

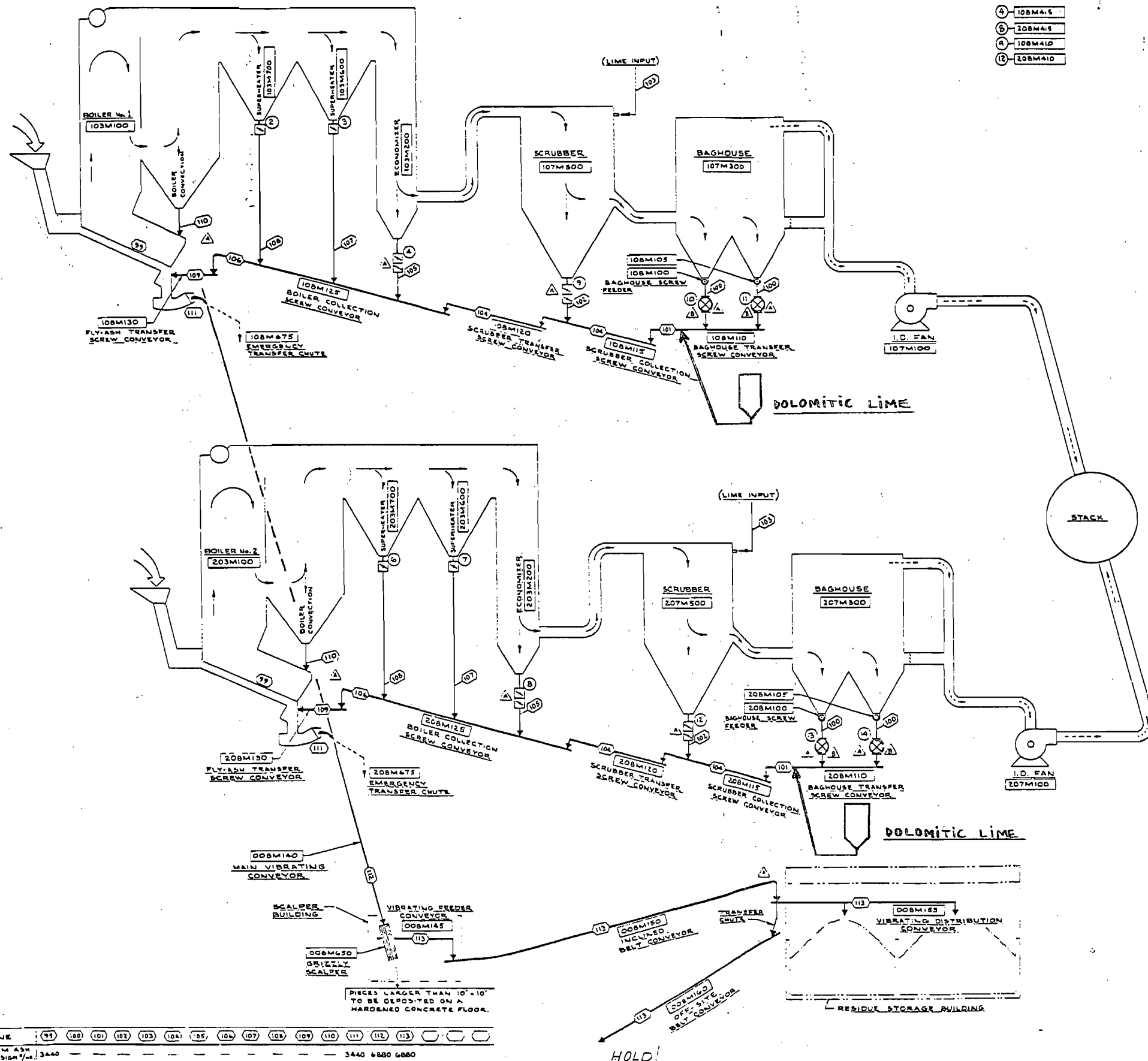
GENERAL NOTES:

DOCUMENT ID: C-3

PROCESS FLOW DIAGRAM-  
ASH FLOW

OGDEN MARTIN SYSTEMS  
OF LAKE, INC.

OKAHUMPKA, FLORIDA



- DOUBLE FLAP VALVES
- 4 - 108M415
  - 8 - 208M415
  - 4 - 108M410
  - 8 - 208M410

- RAPID VALVES
- 2 - 108M415
  - 3 - 108M410
  - 4 - 108M415
  - 2 - 208M410

- ROTARY VALVES
- 10 - 108M405
  - 11 - 108M400
  - 13 - 208M405
  - 14 - 208M400

3  
4  
5

LINE	101	102	103	104	105	106	107	108	109	110	111	112	113			
BOTTOM ASH (MAX) DESIGN / hr	3440													3440	6880	6880
FLY-ASH (MAX) DESIGN / hr	1119	2238	166	792	2404	420	3318	234	240	3318	288	3606	7212	7212		
BOTTOM / FLY-ASH (MAX) DESIGN / hr														7046	14092	14092

REVISION	DATE	DESCRIPTION	BY	CHECKED	APPROVED
1		DOLOMITIC	YF		
2		ISSUED FOR CONST.			
3		ISSUED FOR CONST.	LA		

NATIONAL ENERGY PRODUCTION CORPORATION

**ZURN** **ENERCO**

DRAWN BY: R.J.L.    ENG. BY: WAT

SCALE: NONE

OGDEN MARTIN SYSTEMS OF LAKE, INC.  
LAKE COUNTY RESOURCE RECOVERY FACILITY  
LAKE COUNTY, FLORIDA

ASH FLOW DIAGRAM

DWG. NO. 1999 FD 10