

Department of Environmental Protection

Division of Air Resources Management

APPLICATION FOR AIR PERMIT - NON-TITLE V

See Instructions for Form No. 62-210.900(3)

I. APPLICATION INFORMATION

SOURCEP
JAN 05 2006
SOUTHWEST DISTRICT

Id	entifica	tion	of Fa	cility

1.	Facility Owner/Company Name: Co	onsolidated Mine	erals, Inc.	
2.	Site Name: Center Hill Hi-Cal Pla	nt		
3.	Facility Identification Number: 119	0018	[] Unknown	
4.	Facility Location:			
	Street Address or Other Locator: St	ate Road 48 Wes	t	-
-	City: Center Hill Co	ounty: Sumter	Zip Code: 33514	
5.	Relocatable Facility?	6. Exis	ing Permitted Facility?	
	[] Yes [X] No	[X]	Yes [] No	

Application Contact

1	Name and Title of Application Contact:	Voron	ioo N	Save E I
1.	Name and Title of Application Contact:	veron	ica iv.	. Sgi 0, E.1.
ĺ				
2.	Application Contact Mailing Address:			
	Organization/Firm: Koogler & Associa	ites, In	·.	
	Street Address: 4014 NW 13 th Street			
	City: Gainesville	State:	FL	Zip Code: 32609
3.	Application Contact Telephone Number	s:		
	Telephone: (352) 377-5822		Fax:	(352) 377-7158

Application Processing Information (DEP Use)

1. Date of Receipt of Application:	01-05-2006
2. Permit Number:	1190018 - 012 - AC

1



Department of Environmental Protection

Division of Air Resources Management

APPLICATION FOR AIR PERMIT - NON-TITLE V SOURCE

See Instructions for Form No. 62-210.900(3)

I. APPLICATION INFORMATION

Identification of Facility

	entification of Lacinty			
1.	Facility Owner/Company Name:	Consoli	dated Minera	als, Inc.
2.	Site Name: Center Hill Hi-Cal I	Plant		
3.	Facility Identification Number: 1	190018		[] Unknown
4.	Facility Location: Street Address or Other Locator:	State Ro	oad 48 West	
	City: Center Hill	County:	Sumter	Zip Code: 33514
5.	Relocatable Facility? [] Yes [X] No	:	6. Existin [X] Ye	g Permitted Facility? s [] No
Ar	oplication Contact			
1.	Name and Title of Application Co	ontact: V	eronica N. S	gro, E.I.
2.	Application Contact Mailing Add Organization/Firm: Koogler & A	ssociate	s, Inc.	
	Street Address: 4014 NW 13 th St	reet		
	City: Gainesville	S	tate: FL	Zip Code: 32609
3.	Application Contact Telephone N	umbers:		
	Telephone: (352) 377-5822		Fax: (3	352) 377-7158
Ar	oplication Processing Information	(DEP U	Jse)	
1.	Date of Receipt of Application:			
2.	Permit Number:			

DEP Form No. 62-210.900(3) – Form

Purpose of Application

Air Operation Permit Application

Tł	nis	Application for Air Permit is submitted to obtain: (Check one)
İ]	Initial non-Title V air operation permit for one or more existing, but previously unpermitted, emissions units.
[]	Initial non-Title V air operation permit for one or more newly constructed or modified emissions units.
		Current construction permit number:
[]	Non-Title V air operation permit revision to address one or more newly constructed or modified emissions units.
	,	Current construction permit number:
		Operation permit number to be revised:
[]	Initial non-Title V air operation permit under Rule 62-210.300(2)(b), F.A.C., for an existing facility seeking classification as a synthetic non-Title V source.
		Current operation/construction permit number(s):
[]	Non-Title V air operation permit revision for a synthetic non-Title V source. Give reason for revision; e.g., to address one or more newly constructed or modified emissions units.
		Operation permit number to be revised:
		Reason for revision:
A i	ir (Construction Permit Application
Τŀ	nis	Application for Air Permit is submitted to obtain: (Check one)
[X	[] [air construction permit to construct or modify one or more emissions units.
[]	Air construction permit to make federally enforceable an assumed restriction on the potential emissions of one or more existing, permitted emissions units.
[]	Air construction permit for one or more existing, but unpermitted, emissions units.

Owner/Authorized Representative

1.	Name and Title of Owner/Authorized R	epreser	tative	: Kyle Garrett, Vice President
2.	Owner/Authorized Representative Maili Organization/Firm: Consolidated Min			· · · · · · · · · · · · · · · · · · ·
	Street Address: 1616 S. 14th Street			
	City: Lecsburg	State:	FL	Zip Code: 34748
3.	Owner/Authorized Representative Telep	phone N	umbe	rs:
	Telephone: (352) 365-6522		Fax:	(352) 455-5553
4.	Owner/Authorized Representative State	ment:		
	I, the undersigned, am the owner or autities application. I hereby certify, based inquiry, that the statements made in this that, to the best of my knowledge, any estate based upon reasonable techniques for emissions units and air pollution control operated and maintained so as to comple pollutant emissions found in the statutes Department of Environmental Protection permit, if granted by the Department, can Department, and I will promptly notify to permitted emissions unit. Significant	on info applica- stimates or calci l equipi y with o of the n and r annot be he Dep	rmation of emulating ment dail app State cevision trans	on and belief formed after reasonable are true, accurate and complete and dissions reported in this application of emissions. The air pollutant described in this application will be policable standards for control of air of Florida and rules of the first thereof. I understand that a ferred without authorization from the

Professional Engineer Certification

1. Professional Engineer Name: Steven C. Cullen, P.E.

Registration Number: 45188

2. Professional Engineer Mailing Address:

Organization/Firm: Koogler & Associates, Inc.

Street Address: 4014 NW 13th Street

City: Gainesville

State: FL

Zip Code: 32609

3. Professional Engineer Telephone Numbers:

Telephone: (352) 377-5822

Fax: (352) 377-7158

4. Professional Engineer Statement:

I, the undersigned, hereby certify, except as particularly noted herein, that:*

- (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
- (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.

If the purpose of this application is to obtain an air construction permit for one or more proposed new or modified emissions units (check here [X], 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.

If the purpose of this application is to obtain an initial air operation permit or operation permit revision for one or more newly constructed or modified emissions units (check here [], 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.

VO. 45 PA

1/4/2006

Date

Attach any exception to certification statement.

Scope of Application

Emissions		Permit	Processing
Unit ID	Description of Emissions Unit	Type	Fee
002	Dryer (non-NSPS)	AC1C	\$4500.00
003	Screening/Material Handling (NSPS)	AC1E	\$1000.00
006 No. I.D.	Truck Loading Activities (NSPS)		·
004	Milling Operations (non-NSPS)	AC1E	\$1000.00
005	Storage Silos (SS-1 through SS-4) (NSPS)	AC1E	\$250.00
No I.D.	Fugitive Emissions—Enclosed Building (NSPS)	AC1F	\$250.00
007 No I.D.	Fugitive Emissions—Outside Building (NSPS)	AC1F	\$250.00

Application Processing Fee

Check one: [] Attached - Amount: \$0.00 [X] Not Applicable

Appropriate processing fee was previously submitted.

DEP Form No. 62-210.900(3) - Form

Construction/Modification Information

1. Description of Proposed Project or Alterations:

Project is a proposed limestone drying and processing plant in Sumter County. Limestone is dried and processed to produce crushed stone meeting various specifications. Processing operations include hauling, drying, crushing, screening, conveying, stockpiling, and product handling. A revised process flow diagram and description are attached to this application.

This air construction permit application addresses the following issues:

- <u>Dryer Potential Emissions:</u> Existing permitted dryer potential emissions are to be calculated using statistical analysis of previous stack test data.
- <u>Fugitive Emissions—Enclosed Building:</u> Request that the Department includes emission unit entitled "Fugitive Emissions—Enclosed Building" in the Air Permit.
- <u>Fugitive Emissions—Outside Building:</u> Request that the Department includes emission unit entitled "Fugitive Emissions—Outside Building" in Air Permit.
- <u>Truck Loading Operations:</u> Request that the Department includes emission unit entitled "Truck Loading Operations" in Air Permit.
- <u>Maximum Throughput:</u> Increase the maximum throughput from 30 tons /hr wet limestone (monthly average basis) and 262,800 tons/12-month consecutive period to 35 tons/hr wet limestone (monthly average basis) and 306,600 tons/12 consecutive month period.
- 2. Projected or Actual Date of Commencement of Construction: N/A
- 3. Projected Date of Completion of Construction: N/A

DEP Form No. 62-210.900(3) – Form

Application Comment

<u>Dryer:</u> The greatest potential emission for the Dryer is 98.25 tpy of SO₂. Since the potential emissions are greater than 50 tpy but less than 100 tpy, the processing fee for Dust Collector 1, which controls the dryer is \$4,500.00 per 62-4.050(4)(a)(2)(b), F.A.C.

Screening/Material Handling and Truck Loading Activities: It is requested that the Department views these two emission units as a similar activity, as it is difficult to separate the air flow going into the shared control device. The greatest potential emission from Screening/Material Handling and Truck loading activities is 8.29 tpy of PM. Since the potential emissions are greater than 5 tpy but less than 25 tpy, the processing fee for this emissions unit is \$1000.00 per 62-4.050(4)(1)(2)(d), F.A.C.

<u>Milling Operations</u>: The greatest potential emission from Milling Operations is 5.20 tpy of PM. Since the potential emissions are greater than 5 tpy but less than 25 tpy, the processing fee for these similar emissions units is \$1000.00 per 62-4.050(4)(1)(2)(d), F.A.C.

Storage Silos: The greatest potential emission from the Storage Silos is 3.89 tpy of PM. Since the potential emissions are less than 5 tpy, the processing fee for this emissions unit is \$250.00 per 62-4.050(4)(1)(2)(e), F.A.C.

<u>Fugitive Emissions—Enclosed Building:</u> The expected greatest potential emission from the fugitive emissions from the enclosed building is 2.67 tpy of PM. Since the potential emissions are less than 5 tpy, the processing fee for this emissions unit is \$250.00 per 62-4.050(4)(1)(2)(e), F.A.C.

<u>Fugitive Emissions—Outside Building:</u> The expected greatest potential emission from fugitive emissions from operational activities outside of the building is 2.66 tpy of PM. Since the potential emissions are less than 5 tpy, the processing fee for this emissions unit is \$250.00 per 62-4.050(4)(1)(2)(e), F.A.C.

Exemptions: This application requests that the fuel tank for No. 4 fuel is exempt from permitting action, as the emissions from the tank are assumed to be minimal.

DEP Form No. 62-210.900(3) – Form

II. FACILITY INFORMATION

A. GENERAL FACILITY INFORMATION

Facility Location and Type

1.	Facility UTM Coor	dinates:					
	Zone: 17		East (km):	401.5	Noi	th (km): 3169.5	
2.	Facility Latitude/Lo Latitude (DD/MM/	_		T.	maituda (DD/M)	M/SS): 82/00/28	_
3.	Governmental Facility Code: 0	4. Facility S Code:		5. Fa	ncility Major roup SIC Code:	6. Facility SIC(s	;):
7.	Facility Comment (limit to 500 cl	haracters):				
No	one.						

Facility Contact

1.	Name and	Title of	f Facility	Contact:	Walter M	Ierritt,	Plant N	Ianager
----	----------	----------	------------	----------	----------	----------	---------	---------

2. Facility Contact Mailing Address:

Organization/Firm: Consolidated Minerals, Inc.

Street Address: 530 West Kings Highway

City: Center Hill State: Florida Zip Code: 33514

3. Facility Contact Telephone Numbers:

Telephone: (352) 569-0328 Fax: (352) 568-1515

DEP Form No. 62-210.900(3) – Form

Facility Regulatory Classifications

Check all that apply:

[X] Unknown
 [X] Synthetic Non-Title V Source?
 [X] Synthetic Minor Source of Pollutants Other than HAPs?
 [X] Synthetic Minor Source of HAPs?
 [X] One or More Emissions Units Subject to NSPS?
 [X] One or More Emission Units Subject to NESHAP Recordkeeping or Reporting?
 Facility Regulatory Classifications Comment (limit to 200 characters):
 40 CFR 60, Subpart OOO—Standards of Performance for Nonmetallic Mineral

Please refer to attached process flow diagram and description in the attached supporting documentation (Attachment 1) for the list of equipment subject to 40 CFR 60, Subpart OOO.

Rule Applicability Analysis

- 40 CFR 60, Subpart OOO—Standards of Performance for Nonmetallic Mineral Processing Plants.
- 62-4, F.A.C.

Processing Plants.

- 62-210, F.A.C.
- 62-296, F.A.C.
- 62-297, F.A.C.

DEP Form No. 62-210.900(3) - Form

B. FACILITY POLLUTANTS

List of Pollutants Emitted

<u></u>

C. FACILITY SUPPLEMENTAL INFORMATION

Supplemental Requirements

1. Area Map Showing Facility Location:
[] Attached, Document ID: [] Not Applicable [X] Waiver Requested
Department has on file.
2. Facility Plot Plan:
[] Attached, Document ID: [] Not Applicable [X] Waiver Requested
Department has on file.
3. Process Flow Diagram(s):
[X] Attached, Document ID: Supporting Documentation [] Not Applicable
[] Waiver Requested
4. Precautions to Prevent Emissions of Unconfined Particulate Matter:
[] Attached, Document ID: [] Not Applicable [X] Waiver Requested
5. Supplemental Information for Construction Permit Application:
[X] Attached, Document ID: <u>Supporting Documentation</u> [] Not Applicable
6. Supplemental Requirements Comment:
Supporting documentation includes process flow diagram with process descriptions.

11

[E.U. 002: Dryer]

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

1.	Type of Emissions Unit Add	dressed in This Section: (Check of	one)			
[X	[X] 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.					
[-	mation Section addresses, as a sir s and activities which produce fu	•			
	Description of Emissions Univer	nit Addressed in This Section (lin	nit to 60 characters):			
3.	Emissions Unit Identificatio ID: 002	n Number:	[] No ID [] ID Unknown			
4.	Emissions Unit Status Code: A	5. Initial Startup Date: ~1998	6. Emissions Unit Major Group SIC Code: 14			
	Emissions Unit Comment: (ast Collector No. 1 (DC-1) co	Limit to 500 Characters) ontrols particulate matter emiss	sions from dryer.			
	·	·				

DEP Form No. 62-210.900(3) – Form

[E.U. 002: Dryer]

Emissions Unit Control Equipment

1. Control Equipment/Method Description (limit to 200 characters per device or method): Fabric Filter—High Temperature (T > 250° F)

2. Control Device or Method Code(s): 016

Emissions Unit Details

1. Package Unit: N/A
Manufacturer: Sly, Inc.

2. Generator Nameplate Rating:

N/A MW

3. Incinerator Information: N/A
Dwell Temperature:
Dwell Time:
Incinerator Afterburner Temperature:
N/A °F
N/A seconds
N/A°F

Emissions Unit Operating Capacity and Schedule

1.	Maximum Heat Input Rate:	85.0 mmBtu/hr	
2.	Maximum Incineration Rate:	N/A lb/hr	N/A tons/day
3.	Maximum Process or Throughput Ra	te: 35 TPH Wet Limestone	
4.	Maximum Production Rate: N/A		
5.	Requested Maximum Operating Sche	edule:	
	24 1	hours/day	7 days/week
	52	weeks/year	8760 hours/year

- 6. Operating Capacity/Schedule Comment (limit to 200 characters):
 - Maximum Heat Input Rate:

582.2 gal/hr of #4 fuel oil @ 146,000 BTU/gal = 85.0 mmBtu/hr

2,620,000 gal/yr of #4 fuel oil @ 146,000 BTU/gal = 382,520 MMBtu/yr

Maximum Process Rate:

Maximum throughput of limestone drying and processing facility is 35 tph (monthly average basis) and 306,600 tons per 12 consecutive month period.

DEP Form No. 62-210.900(3) - Form

[E.U. 002: Dryer]

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1. Identification of Point on Pl Flow Diagram? ST-1			oint Type Code: 1		
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):					
Stack from Dust Collector 1					
4. ID Numbers or Description	s of Emission U	nits with this Emi	ssion Point in Common: N/A		
5. Discharge Type Code: V	6. Stack Heig	ht: feet	7. Exit Diameter: 3.8 feet		
8. Exit Temperature: 375 °F	Rate:	umetric Flow 0 acfm	10. Water Vapor: 23 %		
11. Maximum Dry Standard Flo 17,041 dscfm	ow Rate:	12. Nonstack E	mission Point Height: N/A feet		
13. Emission Point UTM Coord	linates: Not De	termined			
Zone: E	ast (km):	Nort	h (km):		
14. Emission Point Comment (limit to 200 char	acters):			
Maximum Dry Standard Flow Rate: $35,000 \text{ acfm x } (1-0.23) \text{ x } [(68+460)/(375+460)] = 17,041 \text{dscfm}$					
		·			

DEP Form No. 62-210.900(3) – Form

[E.U. 002: Dryer]

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment $\underline{1}$ of $\underline{4}$

1.	1. Segment Description (Process/Fuel Type) (limit to 500 characters):						
Industrial Processes/ Mineral Products/ Stone Quarrying—Processing/ General							
n.	Dust Collector 1 (DC 1) collects neuticulate emissions from the during						
Dι	Dust Collector 1 (DC-1) collects particulate emissions from the dryer.						
2	Source Classification Code	e (SCC)·	3. SCC Units	<u>. </u>			
۷.	3-05-020-99	c (BCC).	J. BCC OIII.		ns Processed		
4.	Maximum Hourly Rate:	5. Maximum A		6.	Estimated Annual Activity		
	35 (Wet Basis)	306,600 (V	Vet Basis)		Factor: N/A		
7.	Maximum % Sulfur:	8. Maximum 9	% Ash:	9.	Million Btu per SCC Unit:		
	N/A	N/	A		N/A		
10	. Segment Comment (limit	to 200 characters):				
	one.	•	,				
	,				•		
- 1				,			
Se	gment Description and Ra	ite: Segment 2 o	f 4				
4	0 1 1 1 1	/m 1/m \	711 14 EAA 1	ı	,		

1. Segment Description (Process/Fuel Type) (limit to 500 characters): Industrial Processes/ In Process Fuel Use/ Residual Oil/ Dryer

2.	2. Source Classification Code (SCC):		3. SCC Unit	s:
3-90-004-02		Thousand Gallons Burned		
4.	Maximum Hourly Rate: 0.582	5. Maximum . 2,6		6. Estimated Annual Activity Factor: N/A
7.	Maximum % Sulfur: 0.50	8. Maximum	% Ash: N/A	9. Million Btu per SCC Unit: 146

10. Segment Comment (limit to 200 characters):

Annual fuel usage rate is limited to escape Title V.

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section $\underline{1}$ of $\underline{7}$

[E.U. 002: Dryer]

Segment Description and Rate: Segment 3 of 4

1. Segment Description (Proc Industrial Processes/In-Proc		•	· · · · · · · · · · · · · · · · · · ·		
·					
2. Source Classification Cod	e (SCC):	3. SCC Units			
3-90-010-89			usand Gallons Burned		
4. Maximum Hourly Rate:	5. Maximum	Annual Rate:	6. Estimated Annual Activity Factor: N/A		
7. Maximum % Sulfur: N/A	8. ' Maximum 'N/		9. Million Btu per SCC Unit: 90.5		
10. Segment Comment (limit to 200 characters): Per Specific Condition 7 of Permit No. 1190018-008-AO: "Liquefied Petroleum Gas (Propane) shall be used as an ignition fuel for start up of the dryer. [permit application received 5/30/00] Permitting note: For each ignition attempt, propane is ignited at a rate of 250,000 BTU/hr for a maximum of 20 seconds.					
Segment Description and Ra	ite: Segment 4 o	f <u>4</u>			
1. Segment Description (Proc Industrial Processes/ In-Pro	• • •		•		
2. Source Classification Cod 3-90-006-89	e (SCC):	3. SCC Units Million Cubic			
4. Maximum Hourly Rate: 0.081	5. Maximum 70		6. Estimated Annual Activity Factor: N/A		
7. Maximum % Sulfur: N/A	8. Maximum	% Ash: N/A	9. Million Btu per SCC Unit: 1050		
Hourly Maximum:	N/A 1050 10. Segment Comment (limit to 200 characters): Hourly Maximum: (85 mmBtu/hr) x (1 mmcf/1050 mmBtu) = 0.081 mmcf/hr Annual Maximum:				
<u> </u>					

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section $\underline{\mathbf{1}}$ of $\underline{\mathbf{7}}$

[E.U. 002: Dryer]

Pollutant Detail Information Page 1 of 5

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1.	Pollutant Emitted: PM			2. Pollutant Reg	gulat	ory Code: EL
3.	Primary Control Device	4.	•	Control Device	5.	Total Percent Efficiency
	Code: · 016		Code: N/A	\ 		of Control: N/D
6.	Potential Emissions:				7.	Synthetically Limited?
	5.84 lb/hour 2	5.59	tons/year			[]
8.	Emission Factor: 0.04 gr/	dscf	f .		9.	Emissions Method Code:
Re	ference: Test Data					1
10.	Calculation of Emissions	limi	it to 600 cha	racters):	·	
$(0.04 \text{ gr/dscf}) \times (17,041 \text{ dscf/min}) \times (60 \text{ min/hr}) \times (1 \text{ lb PM/7000 gr}) = 5.84 \text{ lb PM/hr}$ $(5.84 \text{ lb PM/hr}) \times (8760 \text{ hr/yr}) \times (1 \text{ ton/2000 lbs}) = 25.59 \text{ tons PM/yr}$						
ba: em	11. Pollutant Potential Emissions Comment (limit to 200 characters): Emission factor is based on test results, 98% confidence level, and a safety factor of 2. In addition, this emission factor is the accepted emission factor in NSPS Subpart I; not applicable, but involving a similar process.					

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section $\underline{1}$ of $\underline{7}$

[E.U. 002: Dryer]

Pollutant Detail Information Page 1 of 5

Allowable Emissions 1 of 1

 Basis for Allowable Emissions Code: ESCTV 	2. Future Effective Da Emissions: N/A	te of Allowable
3. Requested Allowable Emissions and Units:	4. Equivalent Allowal	ole Emissions:
0.04 gr/dscf	5.84 lb/hour	25.59 tons/year
5. Method of Compliance (limit to 60 character	s). EPA Method 5	
6 Allowable Emissions Comment (Desc. of Or	perating Method) (limit t	200 characters):
6. Allowable Emissions Comment (Desc. of Op None.	perating Method) (limit to	200 characters):

[E.U. 002: Dryer]

Pollutant Detail Information Page 2 of 5

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

		2. Pollutant Regulatory Code: EL		
ntrol Device	4. Secondary Control Device Code: N/A	5. Total Percent Efficiency of Control: N/A		
	98.25 tons/year	7. Synthetically Limited? [X]		
43.65 lb/hour 98.25 tons/year 8. Emission Factor: 150S lb SO ₂ /1000 gallons Reference: AP-42, Table 1.3-1		9. Emissions Method Code: 4		
1	missions: our actor: 150S lb	Code: N/A missions: our 98.25 tons/year actor: 150S lb SO ₂ /1000 gallons		

10. Calculation of Emissions (limit to 600 characters):

[150(0.5) lb SO₂/TGB] x (0.582 TGB/hr) = 43.65 lbs SO₂/hr [150(0.5) lb SO₂/TGB] x (2,620 TGB/yr) x (1 ton/2000 lbs) = 98.25 ton SO₂/yr

11. Pollutant Potential Emissions Comment (limit to 200 characters): Emission factor based on No. 4 oil-fired boilers < 100 mmbtu/hr.

Allowable Emissions 1 of 1

 Basis for Allowable Emissions Code: ESCTV 	2. Future Effective Date of Allowable Emissions: N/A				
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:				
0.5% Sulfur in fuel oil	43.65 lb/hour 98.25 tons/year				
5. Method of Compliance (limit to 60 characters): Fuel oil analysis by vendor					
	•				

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section $\underline{1}$ of $\underline{7}$

[E.U. 002: Dryer]

Pollutant Detail Information Page 3 of 5

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: NO _x		2. Pollutant Regu	ulatory Code: NS	
3. Primary Control Device Code: N/A	4. Secondary Code: N/A		5. Total Percent Efficiency of Control: N/A	
6. Potential Emissions: 3	35.45 NF		7. Synthetically Limited?	
11.64 lb/hour 2	26.20 tons/year	016	[]	
8. Emission Factor: 20 lbs N	$O_x/1000$ gallon	S	9. Emissions Method Code:	
Reference: AP-42, T	Гable 1.3-1		4	
10. Calculation of Emissions ((limit to 600 char	racters):		
(20 lbs NO_x/TGB) x (0.582 TGB/hr) = 11.64 lbs NO_x/hr (20 lbs NO_x/TGB) x (2,620 TGB/yr) x (1 ton/2000 lbs) = 26.20 tons NO_x/yr				
			•	
			•	
,				
11. Pollutant Potential Emissions Comment (limit to 200 characters): Emission factor based on No. 4 oil-fired boilers < 100 mmbtu/hr.				
		•		

Allowable Emissions N/A of N/A

Basis for Allowable Emissions Code: N/A	2. Future Effective Dat Emissions: N/A	e of Allowable		
3. Requested Allowable Emissions and Units:	4. Equivalent Allowabl	le Emissions:		
N/A	N/A lb/hour	N/A tons/year		
5. Method of Compliance (limit to 60 characters): N/A				
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): N/A				

DEP Form No. 62-210.900(3) - Form

[E.U. 002: Dryer]

Pollutant Detail Information Page 4 of 5

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1.	Pollutant Emitted: CO		2. Pollutant Reg	gulatory Code: NS
3.	Primary Control Device Code: N/A	4. Secondary Code: N/A	Control Device	5. Total Percent Efficiency of Control: N/A
6.	Potential Emissions: 2.91 lb/hour 6.5	29,78 - A 55 tons/year	16	7. Synthetically Limited? []
8.	Emission Factor: 5 lbs Co	O/1000 gallons		9. Emissions Method Code:
	Reference: AP-42,	Гable 1.3-1		4
(5 (5	10. Calculation of Emissions (limit to 600 characters): (5 lbs CO/TGB) x (0.582 TGB/hr) = 2.91 lbs CO/hr (5 lbs CO/TGB) x (2,620 TGB/yr) x (1 ton/2000 lbs) = 6.55 tons CO/yr			
	. Pollutant Potential EmissiNo. 4 oil-fired boilers < 1	•	imit to 200 charac	eters): Emission factor based

Allowable Emissions N/A of N/A

1. Basis for Allowable Emissions Code: N/A	2. Future Effective Date of Allowable Emissions: N/A
3. Requested Allowable Emissions and Units: N/A	4. Equivalent Allowable Emissions:
	N/A lb/hour N/A tons/year
5. Method of Compliance (limit to 60 character	
6. Allowable Emissions Comment (Desc. of Op N/A	perating Method) (limit to 200 characters):

DEP Form No. 62-210.900(3) - Form

[E.U. 002: Dryer]

Pollutant Detail Information Page 5 of 5

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

. Pollutant Emitted: VOC 2. Pollutant Reg		Pollutant Regulat	ory Code: NS	
3. Primary Control Device Code: N/A	4. Secondary Control Device Code: N/A		Total Percent Efficiency of Control: N/A	
6. Potential Emissions: 0.12 lb/hour 0.4 0.	1.4 NV 26 tons/year		Synthetically Limited? []	
8. Emission Factor: 0.2 lbs Reference: AP-42, T			Emissions Method Code: 4	
10. Calculation of Emissions (limit to 600 characters): (0.2 lbs NMTOC/TGB) x (0.582 TGB/hr) = 0.12 lbs NMTOC/hr (0.2 lbs NMTOC/TGB) x (2,620 TGB/hr) x (1 ton/2000 lbs) = 0.26 tons NMTOC/yr				
11. Pollutant Potential Emissic NMTOC was used in calcula based on No. 4 oil-fired boile	tions instead of a	VOC emission fa	·	

Allowable Emissions N/A of N/A

1. Basis for Allowable Emissions Code: N/A	2. Future Effective Da Emissions: N/A	ate of Allowable
3. Requested Allowable Emissions and Units:	4. Equivalent Allowa	ole Emissions:
N/A	N/A lb/hour	N/A tons/year
5. Method of Compliance (limit to 60 character	3). 141 <i>1</i> 3	
6. Allowable Emissions Comment (Desc. of Op N/A	perating Method) (limit t	o 200 characters):

DEP Form No. 62-210.900(3) – Form

[E.U. 002: Dryer]

E. VISIBLE EMISSIONS INFORMATION (Only Emissions Units Subject to a VE Limitation)

Visible Emissions Limitation: Visible Emissions Limitation 1 of 1

1.	Visible Emissions Subtype: VE20	2. Basis for Allowable	Opacity:
		[X] Rule	[] Other
3.	Requested Allowable Opacity:		•
	Normal Conditions: 20% Ex	ceptional Conditions:	20%
	Maximum Period of Excess Opacity Allowe	ed:	0 min/hour
4.	Method of Compliance: EPA Method 9		
5.	Visible Emissions Comment (limit to 200 c	haracters):	
Pe	r 62-296.320(b)1, F.A.C., this emissions lin	nit applies to Dust Collec	ctor 1, which collects
PN	A emissions from the dryer.		
		4	•
			,

F. CONTINUOUS MONITOR INFORMATION (Only Emissions Units Subject to Continuous Monitoring)

<u>Continuous Monitoring System:</u> Continuous Monitor $\underline{N/A}$ of $\underline{N/A}$

1. Parameter Code: N/A	2. Pollutant(s): N/A
3. CMS Requirement: N/A	[] Rule [] Other
4. Monitor Information: N/A Manufacturer: N/A Model Number: N/A	Serial Number: N/A
5. Installation Date: N/A	6. Performance Specification Test Date: N/A
7. Continuous Monitor Comment (limit to 20	00 characters): N/A

DEP Form No. 62-210.900(3) - Form

[E.U. 002: Dryer]

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1.	Process Flow Diagram
	[X] Attached, Document ID: Supporting Documentation [] Not Applicable
	[] Waiver Requested
2.	Fuel Analysis or Specification
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested
	Detailed Description of Control Francisco
3.	Detailed Description of Control Equipment
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested
4.	Description of Stack Sampling Facilities
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested
5.	Compliance Test Report
	[] Attached, Document ID:
	Previously submitted, Date:
	[X] Not Applicable
	[14] Not ripphedote
6.	Procedures for Startup and Shutdown
	[] Attached, Document ID: [X] Not Applicable [] Waiver Requested
7.	Operation and Maintenance Plan
	[] Attached, Document ID: [X] Not Applicable [] Waiver Requested
8.	Supplemental Information for Construction Permit Application
	[X] Attached, Document ID: Supporting Documentation [] Not Applicable
9.	Other Information Required by Rule or Statute
	[] Attached, Document ID: [X] Not Applicable
10	Supplemental Requirements Comment: N/A
10.	Suppremental Requirements Comment. 1971

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section 2 of 7 [E.U. 003: Screening/Material Handling]

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

		<u> </u>		
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).				
process or production un	nation Section addresses, as a sin its and activities which has at least lso produce fugitive emissions.			
(ormation Section addresses, as a sits and activities which produce f	ingle emissions unit, one or more ugitive emissions only.		
2. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Screening and Milling				
3. Emissions Unit Identificati ID: 003	on Number:	[] No ID [] ID Unknown		
4. Emissions Unit Status Code: A	5. Initial Startup Date: ~1998	6. Emissions Unit Major Group SIC Code: 14		
7. Emissions Unit Comment: (Limit to 500 Characters) Dust Collector No. 2 (DC-2) controls particulate matter emissions from screening and belt conveyor to milling operations.				
		• *		

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section 2 of 7 [E.U. 003: Screening/Material Handling] Emissions Unit Control Equipment

1.	Control Equipment/Method Description (limit to 200 characters per device or method)
Fal	ric Filter—Medium Temperature (180°F < T < 250°F)

2. Control Device or Method Code(s): 017

Emissions Unit Details

1. Package Unit: N/A
Manufacturer: Sly, Inc

2. Generator Nameplate Rating:

N/A MW

3. Incinerator Information: N/A

Dwell Temperature:

Dwell Time:

Incinerator Afterburner Temperature:

N/A °F

N/A seconds

N/A°F

Emissions Unit Operating Capacity and Schedule

1.	Maximum Heat Input Rate:	N/A mmBtu/hr		
2.	Maximum Incineration Rate:	N/A lb/hr	N/A tons/day	
3.	Maximum Process or Throughput Rat	te: 35 TPH Wet Limestone		
4.	Maximum Production Rate: N/A			
5.	Requested Maximum Operating Sche	dule:		
	24 1	nours/day	7 days/week	
	52 v	weeks/year	8760 hours/year	
6	Operating Canacity/Schodule Comme	ent (limit to 200 alamantama).		

6. Operating Capacity/Schedule Comment (limit to 200 characters):

Maximum Process Rate:

Maximum throughput of limestone drying and processing facility is 35 tph (monthly average basis) and 306,600 tons per 12 consecutive month period.

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section $\underline{2}$ of $\underline{7}$

[E.U. 003: Screening/Material Handling]

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

Identification of Point on Pl Flow Diagram? FA-2			int Type Code: 1	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):				
Fan outlet from dust collector	2 (DC-2)			
4. ID Numbers or Descriptions	s of Emission Ur	nits with this Emi	ssion Point in Common: N/A	
5. Discharge Type Code: V			7. Exit Diameter: 1.5 feet	
8. Exit Temperature: 200 °F	Rate:	umetric Flow 0 acfm	10. Water Vapor: ~2 %	
11. Maximum Dry Standard Flow Rate: 10,035 dscfm 12,800 acm 12,80				
13. Emission Point UTM Coord	linates: Not Det	termined		
Zone: E	ast (km):	Nortl	h (km):	
14. Emission Point Comment (limit to 200 characters): Maximum Dry Standard Flow Rate:				
12,800 acfm x (1-0.02) x [$(68+460)/(200+460)$] = 10,035 dscfm				

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section 2 of 7 [E.U. 003: Screening/Material Handling] C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Pro	cess/Fuel Type)	(limit to 500 ch	arac	ters):
Industrial Processes/ Mineral Products/ Stone Quarrying—Processing/ General				
,				
				·
•				
		_		
2. Source Classification Cod	e (SCC):	3. SCC Units		•
3-05-020-99	·	<u></u>	To	ns Processed
4. Maximum Hourly Rate:	5. Maximum	Annual Rate:	6.	Estimated Annual Activity
35 (Wet Basis)	306,600 (V	Vet Basis)		Factor: N/A
7. Maximum % Sulfur:	8. Maximum	% Ash:	9.	Million Btu per SCC Unit:
. N/A	N/	'A		N/A
10. Segment Comment (limit	to 200 characters):		
Dust Collector 2 (DC-2) vents particulate emissions from the screening and milling				
operations.	-			
•				
		•		
•	•			

DEP Form No. 62-210.900(3) - Form

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

		<u> </u>		
1. Pollutant Emitted: PM	2.	Pollutant Regu	llatory Code: EL	
3. Primary Control Device	4. Secondary Con	itrol Device	5. Total Percent Efficiency	
Code: 017	Code: N/A		of Control: N/D	
6. Potential Emissions:			7. Synthetically Limited?	
1.89 lb/hour 8.29 tons/year			[]	
8. Emission Factor: 0.022 gr	r/dscf		9. Emissions Method Code:	
Reference: 40 CFR 60.672(a	`		0	
Reference. 40 CFR 00.072(a	,			
10. Calculation of Emissions	(limit to 600 charact	ters):		
$(0.022 \text{ gr/dscf}) \times (10,035 \text{ dscf/min}) \times (60 \text{ min/hr}) \times (1 \text{ lb PM/}7000 \text{ gr}) = 1.89 \text{ lb PM/hr}$				
$(1.89 \text{ lb PM/hr}) \times (8760 \text{ hr/yr}) \times (1 \text{ ton/}2000 \text{ lbs}) = 8.29 \text{ tons PM/yr}$				
٠				
11. Pollutant Potential Emissions Comment (limit to 200 characters): Dust Collector 2 (DC-				
2) collects emissions from the screening and belt conveyor to milling processes, which				
consists of various equipmen	nt that is subject to	40 CFR 60, St	ubpart OOO.	
	·			

Allowable Emissions 1 of 1

 Basis for Allowable Emissions Code: Rule 	2. Future Effective D Emissions: N/A	ate of Allowable	
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:		
0.022 gr/dscf	1.89 lb/hour	8.29 tons/year	
5 Method of Compliance (limit to 60 character	C) KIPA Wethod V		
5. Method of Compliance (limit to 60 character	s): EPA Method 9		
6. Allowable Emissions Comment (Desc. of Op		to 200 characters):	
		to 200 characters):	

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section 2 of 7 [E.U. 003: Screening/Material Handling]

E. VISIBLE EMISSIONS INFORMATION (Only Emissions Units Subject to a VE Limitation)

Visible Emissions Limitation: Visible Emissions Limitation 1 of 2

1. Visible Emissions Subtype: VE07	2. Basis for Allowable (-	
	[X] Rule	[] Other	
3. Requested Allowable Opacity: Normal Conditions: Maximum Period of Excess Opacity Allower Other Properties	sceptional Conditions:	07% 0 min/hour	
4. Method of Compliance: EPA Method 9			
5. Visible Emissions Comment (limit to 200 c	haracters):		
Per 40 CFR 60.672(a)(2), this emissions limit		* * * * * * * * * * * * * * * * * * * *	
collects PM from various pieces of equipmen	t and transfer points tha	t are subject to 40	
CFR 60, Subpart OOO.			
1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -			
Visible Emissions Limitation: Visible Emissi	ons Limitation 1 of 2		
1. Visible Emissions Subtype: VE20	2. Basis for Allowable (Opacity:	
	[X] Rule	[] Other	
3. Requested Allowable Opacity: Normal Conditions: Maximum Period of Excess Opacity Allowers Allowers 20% Excess Opacity Allowers	cceptional Conditions:	20% 0 min/hour	
4. Method of Compliance: EPA Method 9	/	. :	
	/	·	
5. Visible Emissions Comment (limit to 200/characters): Per 62-296.320(b)1, F.A.C., this emissions limit applies to all other equipment in the screening operations not subject to 40 CFR 60, Subpart OOO.			
	1		

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section 2 of 7 [E.U. 003: Screening/Material Handling]

F. CONTINUOUS MONITOR INFORMATION

(Only Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System: Continuous Monitor N/A of N/A

1.	Parameter Code: N/A	2. Pollutant(s): N/A
3.	CMS Requirement: N/A	[] Rule [] Other
4.	Monitor Information: N/A Manufacturer: N/A Model Number: N/A	Serial Number: N/A
5.	Installation Date: N/A	6. Performance Specification Test Date: N/A
7.	Continuous Monitor Comment (limit to 200) characters): N/A

31

Emissions Unit Information Section 2 of 7 [E.U. 003: Screening/Material Handling] G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1.	Process Flow Diagram
	[X] Attached, Document ID: <u>Supporting Documentation</u> [] Not Applicable
	[] Waiver Requested
2.	Fuel Analysis or Specification
	[] Attached, Document ID: [X] Not Applicable [] Waiver Requested
<u> </u>	
3.	Detailed Description of Control Equipment
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested
4.	Description of Stack Sampling Facilities
''	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested
5.	Compliance Test Report
	[] Attached, Document ID:
	[] Previously submitted, Date:
	[X] Not Applicable
	[A] Not Applicable
6.	Procedures for Startup and Shutdown
Ŭ.	[] Attached, Document ID: [X] Not Applicable [] Waiver Requested
7.	Operation and Maintenance Plan
	[] Attached, Document ID: [X] Not Applicable [] Waiver Requested
8.	Supplemental Information for Construction Permit Application
0.	[X] Attached, Document ID: Supporting Documentation [] Not Applicable
	[A] Attached, Document ID. Supporting Documentation [] Not Applicable
9.	Other Information Required by Rule or Statute
	[] Attached, Document ID: [X] Not Applicable
10.	. Supplemental Requirements Comment: N/A

DEP Form No. 62-210.900(3) - Form

[E.U. 004: Milling Operations]

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

1. Type of Emissions Unit Addressed in This Section: (Check one)				
[X] 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 (limit to 60 characters): Milling Operations				
3. Emissions Unit Identification Number: [] No ID ID: 004 [] ID Unknown				
4. Emissions Unit Status Code: A 5. Initial Startup Date: 6. Emissions Unit Major Group SIC Code: 14				
7. Emissions Unit Comment: (Limit to 500 Characters) Dust Collector No. 3 (DC-3) controls particulate matter emissions from milling operations.				

DEP Form No. 62-210.900(3) - Form

[E.U. 004: Milling Operations]
Emissions Unit Control Equipment

1.	Control Equipment/Method Description (limit to 200 characters per device or method)
Fal	oric Filter—Medium Temperature (180°F < T < 250° F)

2. Control Device or Method Code(s): 017

Emissions Unit Details

1.	Package Unit: N/A Manufacturer: Sly, Inc.	Model Number: STJ-78-10
2.	Generator Nameplate Rating:	N/A MW
3.	Incinerator Information: N/A	
	Dwell Temperature:	N/A °F
	Dwell Time:	N/A seconds
	Incinerator Afterburner Temperature:	N/A °F

Emissions Unit Operating Capacity and Schedule

1. Ma	ximum Heat Input Rate:	N/A mmBtu/hr	
2. Ma	ximum Incineration Rate:	N/A lb/hr	N/A tons/day
3. Ma	ximum Process or Throughput Rate:	35 TPH Wet Limesto	ne
4. Ma:	ximum Production Rate: N/A		
5. Rec	uested Maximum Operating Schedule	o:	
	24 hour	rs/day	7 days/week
	52 wee	ks/year	8760 hours/year
6 One	erating Canacity/Schedule Comment (limit to 200 characters)·

6. Operating Capacity/Schedule Comment (limit to 200 characters):

• Maximum Process Rate:

Maximum throughput of limestone drying and processing facility is 35 tph (monthly average basis) and 306,600 tons per 12 consecutive month period.

DEP Form No. 62-210.900(3) – Form

[E.U. 004: Milling Operations]

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

Identification of Point on Pl Flow Diagram? FA-3	ot Plan or	2. Emission Po	oint Type Code: 1	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):				
Fan vent from Dust Collector 3				
4. ID Numbers or Descriptions	s of Emission Ur	nits with this Emi	ssion Point in Common: N/A	
5. Discharge Type Code: H	6. Stack Heig N/A	ht: A feet	7. Exit Diameter: N/A feet	
8. Exit Temperature: 200 °F	200 °F Rate: ~2 %			
11. Maximum Dry Standard Flow Rate: 3,136 dscfm 12. Nonstack Emission Point Height: ~33 feet				
13. Emission Point UTM Coord	linates: Not Det	termined		
Zone: East (km): North (km):				
14. Emission Point Comment (14. Emission Point Comment (limit to 200 characters):			
Maximum Dry Standard Flow Rate: 4,000 acfm x (1-0.02) x [(68+460)/(200+460)] = 3,136 dscfm When dust collector 3 (DC-3) is off line, part of emissions from milling operations can also be collected by dust collector 2 (DC-2).				
and be concern by dust concern 2 (DC-2).				
		·.		

DEP Form No. 62-210.900(3) – Form

[E.U. 004: Milling Operations]

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 1

_	ent Description (Proc l Processes/ Minera		•		•
industria.	TTOCCSSCS/ TVIIICT	ar I routets, Stor	ie Quarrying	, 10	cessing General
2. Source	Classification Code	e (SCC):	3. SCC Units	s:	
	3-05-020-99			To	ns Processed
4. Maxir	num Hourly Rate:	5. Maximum A	Annual Rate:	6.	Estimated Annual Activity
35	(Wet Basis)	306,600 (V	Vet Basis)		Factor: N/A
7. Maxir	num % Sulfur:	8. Maximum 9	% Ash:	9.	Million Btu per SCC Unit:
	N/A	N/A		1.	N/A
10. Segme	ent Comment (limit t	o 200 characters):		
Dust Coll	ector 3 (DC-3) vent	s particulate en	nissions from n	nillin	ig operations.
	•				
					•
			,		
	,		•		

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section $\underline{3}$ of $\underline{7}$ [E.U. 004: Milling Operations] Pollutant Detail Information Page $\underline{1}$ of $\underline{1}$

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: PM 2.		2. Pollutant Reg	2. Pollutant Regulatory Code: EL		
3. Primary Control Device	4. Secondary Control Device		5. Total Percent Efficiency		
Code: 016	Code: N/A	.	of Control: N/D		
6. Potential Emissions:			7. Synthetically Limited?		
1.19 lb/hour 5.20 tons/year			[]		
8. Emission Factor: 0.0404	lb/ton	•	9. Emissions Method Code:		
Reference: AP-42 Table 11.1	9.2-4		3		
111111111111111111111111111111111111111					
10 G 1 11' CF : :	(1: '' (00 1		Ļ		
10. Calculation of Emissions (limit to 600 cha	racters):			
(0.0404 lb PM/ton) v (0.84 v	35 wat tans/ha	ur) = 1 10 lbs DM	I/hr		
$(0.0404 \text{ lb PM/ton}) \times (0.84 \times 35 \text{ wet tons/hour}) = 1.19 \text{ lbs PM}$ $(1.19 \text{ lbs PM/hr}) \times (8760 \text{ hrs/yr}) \times (1 \text{ ton/2000 lbs}) = 5.20 \text{ ton}$					
$(1.19 \text{ lbs } 1 \text{ W/m}) \times (8700 \text{ lits/y1}) \times (1 \text{ toli/2000 lbs}) = 3.20 \text{ tolis } 1 \text{ W/y1}$					
11 P 11 (A P A A C II A A A C II A A A A A A A A A A					
11. Pollutant Potential Emissions Comment (limit to 200 characters): Dust Collector 3 (DC-3) collects emissions from the milling process. Raymond mill is not subject to NSPS OOO					
since it was constructed/reconstructed/modified prior to 08/31/1983.					
since it was constitucted/reconstitucted/modified prior to 00/01/1/05.					

DEP Form No. 62-210.900(3) – Form

[E.U. 004: Milling Operations]

Pollutant Detail Information Page 1 of 1

Allowable Emissions Allowable Emissions 1 of 2

Basis for Allowable Emissions Code: Z. Future Effective Date of Allowable				
Rule	Emissions: N/A			
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:			
35 wet tons per hour 30.6 lb/hour 133.9 tons/year				
5 Method of Compliance (limit to 60 characters): EPA Method 5				

6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): Process Weight Rate using the formula E = 17.31P^{0.16}, where E = emissions in lb/hr and P = process weight rate in tph.

 $E = 17.31(35)^{0.16} = 30.6 \text{ lbs/hr} = 133.9 \text{ tons/yr}$

Allowable Emissions Allowable Emissions 2 of 2

1. Basis for Allowable Emissions Code:	2. Future Effective Dat	te of Allowable	
OTHER	Emissions: N/A		
3. Requested Allowable Emissions and Units:	4. Equivalent Allowab	le Emissions:	
0.0404 lb PM/ton	1.19 lb/hour	5.20 tons/year	

5. Method of Compliance (limit to 60 characters): **EPA Method 5**

6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): Raymond mill is not subject to NSPS OOO since it was constructed/reconstructed/modified prior to 08/31/1983.

DEP Form No. 62-210.900(3) – Form

[E.U. 004: Milling Operations]

E. VISIBLE EMISSIONS INFORMATION (Only Emissions Units Subject to a VE Limitation)

<u>Visible Emissions Limitation:</u> Visible Emissions Limitation <u>1</u> of <u>1</u>

1. Visible Emissions Subtype: VE20	2. Basis for Allowable C	Opacity:
	[X] Rule	[]_Other
3. Requested Allowable Opacity:		
Normal Conditions: 20% E	xceptional Conditions:	20%
Maximum Period of Excess Opacity Allow	red:	0 min/hour
4. Method of Compliance: EPA Method 9	•	
5. Visible Emissions Comment (limit to 200 of	characters):	
Per 62-296.320(b)1, F.A.C., this emissions lin	•	or 3, which collects
PM emissions from the Raymond Mill. The	Raymond Mill is NOT sul	oject to NSPS, as it
was constructed/reconstructed/modified pri	or to 8/31/1983.	
	<u> </u>	,

F. CONTINUOUS MONITOR INFORMATION (Only Emissions Units Subject to Continuous Monitoring)

<u>Continuous Monitoring System:</u> Continuous Monitor $\underline{N/A}$ of $\underline{N/A}$

1.	Parameter Code: N/A	2. Pollutant(s): N/A
3.	CMS Requirement: N/A	[] Rule [] Other
4.	Monitor Information: N/A Manufacturer: N/A Model Number: N/A	Serial Number: N/A
5.	Installation Date: N/A	6. Performance Specification Test Date: N/A
7.	Continuous Monitor Comment (limit to 200	characters): N/A
		·

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section $\underline{3}$ of $\underline{7}$

[E.U. 004: Milling Operations]

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1.	Process Flow Diagram
	[X] Attached, Document ID: <u>Supporting Documentation</u> [] Not Applicable
	[] Waiver Requested
2.	Fuel Analysis or Specification
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested
3.	Detailed Description of Control Equipment
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested
4.	Description of Stack Sampling Facilities
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested
5.	Compliance Test Report
	[] Attached, Document ID:
	[] Previously submitted, Date:
	[X] Not Applicable
6.	Procedures for Startup and Shutdown
	[] Attached, Document ID: [X] Not Applicable [] Waiver Requested
7.	Operation and Maintenance Plan
	[] Attached, Document ID: [X] Not Applicable [] Waiver Requested
8.	Supplemental Information for Construction Permit Application
	[X] Attached, Document ID: Supporting Documentation [] Not Applicable
9.	Other Information Required by Rule or Statute
	[] Attached, Document ID: [X] Not Applicable
10	. Supplemental Requirements Comment: N/A
}	

[E.U. 005: Storage Silos]

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

1. Type of Emissions Unit Add	dressed 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).					
process or production unit	ation Section addresses, as a singles and activities which has at least so produce fugitive emissions.	, , ,			
1	rmation Section addresses, as a s s and activities which produce for	ingle emissions unit, one or more ugitive emissions only.			
2. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Storage Silos					
3. Emissions Unit Identification ID: 005	n Number:	[] No ID [] ID Unknown			
4. Emissions Unit Status Code: A	5. Initial Startup Date: ~1998	6. Emissions Unit Major Group SIC Code: 14			
7. Emissions Unit Comment: (Limit to 500 Characters) Dust Collector No. 4 (DC-4) controls particulate matter emissions from Silo SS-3, as well as indirectly controlling particulate matter emissions from Silos SS-1, SS-2, and SS-4. Silos 1, 2, and 3 (SS-1, SS-2, and SS-3, respectively) were constructed/reconstructed/modified prior to August 31, 1983 Silo SS-4 was constructed in July 2005. The silos are subject to NSPS Subpart OOO.					
Į					

DEP Form No. 62-210.900(3) - Form

[E.U. 005: Storage Silos]

Emissions Unit Control Equipment

1. Control Equipment/Method Description (limit to 200 characters per device or method): Fabric Filter—Medium Temperature (180°F < T < 250° F)

2. Control Device or Method Code(s): 017

Emissions Unit Details

1.	Package Unit: N/A Manufacturer: Sly, Inc.	Model Number: STJ-88-10
2.	Generator Nameplate Rating:	N/A MW
3.	Incinerator Information: N/A	
	Dwell Temperature:	N/A °F
	Dwell Time:	N/A seconds
	Incinerator Afterburner Temperature:	N/A°F

Emissions Unit Operating Capacity and Schedule

N/A lb/hr PH Wet Limestone	N/A tons/day
PH Wet Limestone	
	
•	
7	days/week
ar 87	60 hours/year

6. Operating Capacity/Schedule Comment (limit to 200 characters):

• Maximum Process Rate:

Maximum throughput of limestone drying and processing facility is 35 tph (monthly average basis) and 306,600 tons per 12 consecutive month period.

DEP Form No. 62-210.900(3) - Form

[E.U. 005: Storage Silos]

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

Flow Diagram? FA-4		2. Emission Point Type Code: 1					
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):							
Fan vent for Dust Collector 4							
s of Emission Ui	nits with this Emi						
1		7. Exit Diameter: N/A feet					
Rate: 6,000	acfm	10. Water Vapor: ~2 %					
11. Maximum Dry Standard Flow Rate: 4,704 dscfm 12. Nonstack Emission Point Height: ~97 feet							
linates: Not Det	termined						
ast (km):	Nort	h (km):					
14. Emission Point Comment (limit to 200 characters): Maximum Dry Standard Flow Rate:							
6,000 acfm x (1-0.02) x [(68+460)/(200 + 460)] = 4,704 dscfm							
1							
	oints Comprising s of Emission Un 6. Stack Heig N/A 9. Actual Vol Rate: 6,000 ow Rate: linates: Not Decast (km): limit to 200 char v Rate:	oints Comprising this Emissions II s of Emission Units with this Emi 6. Stack Height:					

43

DEP Form No. 62-210.900(3) – Form

[E.U. 005: Storage Silos]

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Proc	cess/Fuel Type)	(limit to 500 ch	arac	ters):	
Industrial Processes/ Mineral Products/ Stone Quarrying—Processing/ General					
				Ü	
•	٠.				
2. Source Classification Code	e (SCC):	3. SCC Units	 s:		
3-05-020-99	`		To	ns Processed	
4. Maximum Hourly Rate:	5. Maximum	Annual Rate:	6.	Estimated Annual Activity	
35 (Wet Basis)	306,600 (Wet Basis)			Factor: N/A	
7. Maximum % Sulfur:	8. Maximum	% Ash:	9.	Million Btu per SCC Unit:	
N/A	N/A			N/A	
10. Segment Comment (limit t	o 200 characters):			
Dust Collector 4 (DC-4) vent	s particulate en	nissions from S	ilo S	SS-3. Piping connects air	
flow from Silo SS-1 to Silo S	-			- 0	
		,			
:				•	

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section $\underline{4}$ of $\underline{7}$ [E.U. 005: Storage Silos]

Pollutant Detail Information Page 1 of 1

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: PM		2. Pollutant Reg	gulator	y Code: EL
3. Primary Control Device Code: 017	4. Secondary Code: N/A	Control Device		Total Percent Efficiency of Control: N/D
6. Potential Emissions: 0.89 lb/hour 3	.89 tons/year		7. S	ynthetically Limited?]
8. Emission Factor: 0.022 gr Reference: 40 CFR 60.672(a		·	9. E	missions Method Code: 0
(4)				
10. Calculation of Emissions ((limit to 600 cha	racters):		
(0.022 gr/dscf) x (4,704 dscf/ (0.89 lb PM/hr) x (8760 hr/y			_	-
			١	
11. Pollutant Potential Emissi	ons Comment (I	imit to 200 charac	cters):	None.
	•			
,				

Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable	
Rule	Emissions: N/A	
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:	
0.022 gr/dscf	0.89 lb/hour 3.89 tons/year	
5. Method of Compliance (limit to 60 characters): EPA Method 5		
,		

DEP Form No. 62-210.900(3) – Form

[E.U. 005: Storage Silos]

E. VISIBLE EMISSIONS INFORMATION (Only Emissions Units Subject to a VE Limitation)

Visible Emissions Limitation: Visible Emissions Limitation 1 of 1

	<u>`</u>	, 	
1.	Visible Emissions Subtype: VE07	2. Basis for Allowable Opac	ity:
		[X] Rule	Other
3.	Requested Allowable Opacity:	<u> </u>	<u> </u>
٦.	1		0/
		cceptional Conditions:	%
	Maximum Period of Excess Opacity Allow	ed:	min/hour
	·		
4.	Method of Compliance: EPA Method 9	,	
	•		
5.	Visible Emissions Comment (limit to 200 c	haracters):	
b .	r 40 CFR 60.672—Applies to storage silos	•	
10	1 40 CFR 00.0/2—Applies to storage sites.	•	
	· · · · · · · · · · · · · · · · · · ·		
	. `		
		·	
Vi	sible Emissions Limitation: Visible Emissi	ions Limitation <u>N/A</u> of <u>N/A</u>	
1	Visible Emissions Subtype: N/A	2. Basis for Allowable Opac	ity: N/A
1.	Visible Elinissions Subtype. TVA	2. Basis for Anowable opac	Other
	D 1 . 11 . O] Other
3.	Requested Allowable Opacity: N/A		
		cceptional Conditions:	%
	Maximum Period of Excess Opacity Allow	ed:	min/hour
	•	,	
4.	Method of Compliance: N/A		
5.	Visible Emissions Comment (limit to 200 c	haracters): N/A	
)	Visitore Eministrations Comment (minit to 200 c	Haracters). 1771	•
	·		
			•
1			

Emissions Unit Information Section $\underline{4}$ of $\underline{7}$

[E.U. 005: Storage Silos]

F. CONTINUOUS MONITOR INFORMATION (Only Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System: Continuous Monitor N/A of N/A

1.	Parameter Code: N/A	2. Pollutant(s): N/A
3.	CMS Requirement: N/A	[] Rule [] Other
4.	Monitor Information: N/A Manufacturer: N/A Model Number: N/A	Serial Number: N/A
5.	Installation Date: N/A	6. Performance Specification Test Date: N/A
7.	Continuous Monitor Comment (limit to 200	characters): N/A

DEP Form No. 62-210.900(3) – Form

[E.U. 005: Storage Silos].

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1.	Process Flow Diagram			
	[X] Attached, Document ID: Supporting Documentation	[]	Not Applicable
	[] Waiver Requested			1
2.	Fuel Analysis or Specification			
-	[] Attached, Document ID: [X] Not Applicable	[]	Waiver Requested
	Detailed Description of Control Equipment			
,	[] Attached, Document ID: [] Not Applicable	[X] '	Waiver Requested
4.	Description of Stack Sampling Facilities			
	[] Attached, Document ID: [] Not Applicable	[X]] \	Waiver Requested
5.	Compliance Test Report			
	[] Attached, Document ID:			
	[] Previously submitted, Date:			·
	[X] Not Applicable		•	•
6.	Procedures for Startup and Shutdown			
	[] Attached, Document ID: [X] Not Applicable	[]	Waiver Requested
7.	Operation and Maintenance Plan			
	[] Attached, Document ID:[X] Not Applicable	[]	Waiver Requested
8.	Supplemental Information for Construction Permit Application			
	[X] Attached, Document ID: Supporting Documentation	[]	Not Applicable
9.	Other Information Required by Rule or Statute			
	[] Attached, Document ID: [X] Not Applicable			
10.	Supplemental Requirements Comment: N/A			

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section 5 of 7 [No. I.D.: Fugitive Emissions—Enclosed Building] III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

1.	Type of Emissions Unit Add	dressed in This Section: (Check of	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.				
[X	=	nation Section addresses, as a sin s and activities which produce fu			
	2. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Fugitive Emissions—Enclosed Building				
	•		·		
3.	Emissions Unit Identificatio	n Number:	[X] No ID		
	ID: OOB		[] ID Unknown		
4.	Emissions Unit Status Code: A	5. Initial Startup Date: ~1998	6. Emissions Unit Major Group SIC Code: 14		
	7. Emissions Unit Comment: (Limit to 500 Characters) Fugitive emissions from various sources within the enclosed building.				

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section 5 of 7 [No. I.D.: Fugitive Emissions—Enclosed Building]

2. Control Device or Method Code(s): N/A

Emissions Unit Control Equipment

1. N/	Control Equipment/Method Description (limit to 200 characters per device or method):	
- ''		

Emissions Unit Details

1.	Package Unit: N/A Manufacturer: N/A	Model Number: N/A	
2.	Generator Nameplate Rating:	N/A MW	
3.	Incinerator Information: N/A		
Ì	Dwell Temperatur	re:	N/A °F
	Dwell Tim	ie:	N/A seconds
	Incinerator Afterburner Temperatur	re:	N/A°F

Emissions Unit Operating Capacity and Schedule

Maximum Heat Input Rate:	N/A mmBtu/hr	
Maximum Incineration Rate:	N/A lb/hr	N/A tons/day
Maximum Process or Throughput Ra	ate: 35 TPH Wet Limesto	one
Maximum Production Rate: N/A		
Requested Maximum Operating Sch	edule:	
24	hours/day	7 days/week
. 52	weeks/year	8760 hours/year
	Maximum Incineration Rate: Maximum Process or Throughput Ra Maximum Production Rate: N/A Requested Maximum Operating School	Maximum Incineration Rate: N/A lb/hr Maximum Process or Throughput Rate: 35 TPH Wet Limester

6. Operating Capacity/Schedule Comment (limit to 200 characters):

• Maximum Process Rate:

Maximum throughput of limestone drying and processing facility is 35 tph (monthly average basis) and 306,600 tons per 12 consecutive month period.

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section $\underline{5}$ of $\underline{7}$

[No. I.D.: Fugitive Emissions—Enclosed Building]

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1.	Identification of Point on Pl Flow Diagram? N/A	ot Plan or	2. Emission Po	oint Type Code: 4	
3.	3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):				
Fu	Fugitive emissions from various sources in enclosed building.				
4.	4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: N/A				
5.	Discharge Type Code: F	6. Stack Height N/A	ht: . feet	7. Exit Diameter: N/A feet	
8.	Exit Temperature: 77°F	Rate:	umetric Flow	10. Water Vapor: N/A %	
11.	11. Maximum Dry Standard Flow Rate: 12. Nonstack Emission Point Height: ~79 feet				
13.	Emission Point UTM Coord	linates: Not Det	ermined		
	Zone: E	ast (km):	Nortl	h (km):	
14. Emission Point Comment (limit to 200 characters): The highest point of the building is approximately 79 feet tall and is located towards the middle of the building. The west end of the building stands ~45 ft tall, while the east end of the building stands ~36 feet tall.					

DEP Form No. 62-210.900(3) – Form

PERMITTEE:

Consolidated Minerals, Inc.

DRAFT PERMIT NO.: 1190018-012-AC

PROJECT: Limestone Drying & Processing

Facility

A.3. <u>Visible Emissions Limitations:</u> The fugitive emissions from the emission points are limited as follows:

Emission		Max.VE Limit
Point No.	Brief Description	(% Opacity)
1	Material from outdoor storage pile(s) transferred by frontend loader(s) to Loading Hopper (LH-1)	<20*
2	Loading Hopper (LH-1) to Conveyor Belt (BC-1)	10**
3	Conveyor Belt (BC-1) to Feed Bin (BN-1)	10**
4	Conveyor Belt (BC-1) to Crusher (CR-01)	15***
5	Crusher (CR-01) to Feed Bin (BN-1)	10*

[Rule 62-296.320(4)(b), F.A.C.* and 40 CFR 60.672(b)** and (c)***]

- A.4. Recordkeeping Requirements: The permittee at a minimum shall monthly record the following:
- A. The total hours of transferring wet limestone.
- B. The most recent consecutive 12-month period total hours of transferring wet limestone.
- C. The records required below to document the dryer's (Emission Unit No. 002) wet limestone process input rate shall be used to also document the amount of material (throughput) for this emission unit, in order to complete the Annual Operating Report required pursuant to Rule 62-210.370, F.A.C.

[Rule 62-4.070(3), F.A.C.]

A.5. <u>Visible Emission Test Frequency Requirements:</u> Emission Point Nos. 2, 3, 4, and 5 shall **each** be initially tested for visible emissions within 60 days after the effective date of this permit and <u>annually thereafter</u> during each federal fiscal year (October 1 – September 30). {Permitting Note: Visible emission testing for Emission Point No. 1 is not required to conduct regular scheduled testing, since the applicable visible emission limitation is a facility-wide limitation and there is no applicable allowable mass emission limitation.}

[Rule 62-297.310(7), F.A.C.]

[No. I.D.: Fugitive Emissions—Enclosed Building]

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 1

1. Segment Description (110)	cess/ruel (ype)	(limit to 500 ch	arac	ters):
Industrial Processes/ Minera	• • •	`		
	·	and Quarty mg		
2. Source Classification Cod-	e (SCC):	3. SCC Units	s:	
3-05-020-99		:	To	ns Processed
4. Maximum Hourly Rate:	5. Maximum	Annual Rate:	6.	Estimated Annual Activity
35 (Wet Basis)	306,600 (\	Vet Basis)		Factor: N/A
7. Maximum % Sulfur:	8. Maximum	% Ash:	9.	Million Btu per SCC Unit:
N/A	N/	'A		N/A
10. Segment Comment (limit)	to 200 characters	s):		
10. Segment Comment (limit) None.	to 200 characters	s):		
`	to 200 characters	s):		
`	to 200 characters	·):		
`	to 200 characters	i):		
`	to 200 characters	i):		

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section <u>5</u> of <u>7</u>
[No ID: Fugitive Emissions—Enclosed Building]
Pollutant Detail Information Page <u>1</u> of <u>1</u>

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: PM 2. Pollutant Reg		ulatory Code: EL	
3. Primary Control Device	4. Secondary	Control Device	5. Total Percent Efficiency
Code: N/A	Code: N/A		of Control: N/D
6. Potential Emissions:			7. Synthetically Limited?
0.51 lb/hour 2.	21 tons/year		[]
8. Emission Factor: 0.0054	b PM/ton (terti	ary crushing)	9. Emissions Method Code:
0.0030 lb PM/ton (uncontro	olled conveyor t	ransfer point)	3
0.0030 lb PM/ton (feed bin t	o feed table)		•
Reference: AP-42, Table 11.	19.2-2 (tertiary	crushing.	
uncontrolled conveyor trans	` •	,	
	1 ,		
FIRE 6.25			
10. Calculation of Emissions	(limit to 600 char	racters):	•
• For crusher: (0.0054 lb PM/ton) x (35 tons/hou	r = 0.10 lb PM/hr		
$(0.19 \text{ lb PM/hr}) \times (8760 \text{ hr/yr}) \times (10.19 \text{ lb PM/hr}) \times (1$	•	83 tons PM/vr	
• For conveyor belts:			
2 x (0.0030 lb PM/ton) x (35 tons/l	nour) = 0.21 lb PM	/hr	
(0.21 lb PM/hr) x (8760 hr/yr) x (1		92 tons PM/yr	
• For feed bin to feed table			
$(0.003 \text{ lb PM/ton}) \times (35 \text{ tons/hr}) =$			
(0.11 lb PM/hr) x (8760 hr/yr) x (1			
11. Pollutant Potential Emissi			
uncontrolled tertiary crushing was used to provide a conservative estimate for			
particulate emissions from the crusher. The emission factor for screen/convey/handling			

Allowable Emissions Allowable Emissions N/A of N/A

was used as the emission factor for the feed bin to feed table.

 Basis for Allowable Emissions Code: N/A 	2. Future Effective Date of Allowable Emissions: N/A
3. Requested Allowable Emissions and Units: N/A	4. Equivalent Allowable Emissions: N/Alb/hour N/A tons/year
5. Method of Compliance (limit to 60 character	rs): N/A
6 Allowable Emissions Comment (Desc. of Or	perating Method) (limit to 200 characters):

DEP Form No. 62-210.900(3) - Form

[No I.D.: Fugitive Emissions—Enclosed Building]

E. VISIBLE EMISSIONS INFORMATION (Only Emissions Units Subject to a VE Limitation)

<u>Visible Emissions Limitation:</u> Visible Emissions Limitation <u>1</u> of <u>2</u>

1. Visible Emissions Subtype: VE00	2. Basis for Allowable Opacity:
	[X] Rule [] Other
3. Requested Allowable Opacity:	
Normal Conditions: 0% E	xceptional Conditions: 0%
Maximum Period of Excess Opacity Allow	ed: 0 min/hour
4. Method of Compliance: EPA Method 22	
·	
5. Visible Emissions Comment (limit to 200 of	haracters):
Per 40 CFR 60.672(e)	maracters).
100 10 0110 00.072(0)	
	,
_	
· _ ·	
Visible Emissions Limitation: Visible Emiss	ions Limitation <u>N/A</u> of <u>N/A</u>
1. Visible Emissions Subtype: N/A	2. Basis for Allowable Opacity: N/A
	[] Rule [] Other
3. Requested Allowable Opacity: N/A	
Normal Conditions: % E	xceptional Conditions: %
Maximum Period of Excess Opacity Allow	red: min/hour
4. Method of Compliance: N/A	
5. Visible Emissions Comment (limit to 200 c	characters): N/A
5. Visite Emissions Comment (mint to 200	marately, Till
•	

Emissions Unit Information Section <u>5</u> of <u>7</u> [No I.D.: Fugitive Emissions—Enclosed Building]

F. CONTINUOUS MONITOR INFORMATION (Only Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System: Continuous Monitor N/A of N/A

1.	Parameter Code: N/A	2. Pollutant(s): N/A
3.	CMS Requirement: N/A	[] Rule [] Other
4.	Monitor Information: N/A Manufacturer: N/A	
	Model Number: N/A	Serial Number: N/A
5.	Installation Date: N/A	6. Performance Specification Test Date:
		N/A
7.	Continuous Monitor Comment (limit to 200	characters): N/A

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section $\underline{5}$ of $\underline{7}$

[No I.D.: Fugitive Emissions—Enclosed Building]

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1.	Process Flow Diagram			
	[X] Attached, Document ID: Supporting Documentation	[]	Not Applicable
	[] Waiver Requested			
2.	Fuel Analysis or Specification			
	[] Attached, Document ID: [X] Not Applicable	[]	Waiver Requested
3.	Detailed Description of Control Equipment			
	[] Attached, Document ID: [X] Not Applicable	[]	Waiver Requested
4.	Description of Stack Sampling Facilities			
	[] Attached, Document ID: [X] Not Applicable	[]	Waiver Requested
5.	Compliance Test Report			
	[] Attached, Document ID:			
	[] Previously submitted, Date:			
	[X] Not Applicable			
6.	Procedures for Startup and Shutdown			
	[] Attached, Document ID: [X] Not Applicable	[]	Waiver Requested
7.	Operation and Maintenance Plan			
	[] Attached, Document ID: [X] Not Applicable	[]	Waiver Requested
8.	Supplemental Information for Construction Permit Application	1		
	[X] Attached, Document ID: Supporting Documentation	[]	Not Applicable
9.	Other Information Required by Rule or Statute			,
	[] Attached, Document ID: [X] Not Applicable			
10.	Supplemental Requirements Comment: N/A			
				•
				•

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section 6 of 7 [No I.D.: Fugitive Emissions—Outside Building] III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

1. Type of Emissions Unit Add	dressed 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).							
process or production unit	[] 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.						
	nation Section addresses, as a sints and activities which produce fu	•					
•	 Description of Emissions Unit Addressed in This Section (limit to 60 characters): Fugitive Emissions—Outside Building 						
3. Emissions Unit Identification ID: 607	on Number:	[X] No ID [] ID Unknown					
4. Emissions Unit Status Code: A	5. Initial Startup Date: ~1998	6. Emissions Unit Major Group SIC Code: 14					
7. Emissions Unit Comment: (Fugitive Emissions from outsi	•						

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section <u>6</u> of <u>7</u> [No I.D.: Fugitive Emissions—Outside Building] Emissions Unit Control Equipment

1. N/.	Control Equipment/Method Des A		o 200 characters	
		,		
	•		•	v. ·
2.	Control Device or Method Code			

Emissions Unit Details

1.	Package Unit: N/A Manufacturer: N/A	Model Number: N/A		·
2.	Generator Nameplate Rating:	N/A MW		
3.	Incinerator Information: N/A			
	Dwell Tempera	iture:	N/A °F	
	Dwell Time:		N/A seconds	
	Incinerator Afterburner Tempera	iture:	N/A°F	- 1

Emissions Unit Operating Capacity and Schedule

1.	Maximum Heat Input Rate:	N/A mmBtu/hr	
2.	Maximum Incineration Rate:	N/A lb/hr	N/A tons/day
3.	Maximum Process or Throughput F	Rate: 120 TPH Wet Limeste	one
4.	Maximum Production Rate: N/A		
5.	Requested Maximum Operating Sc	hedule:	
	24	4 hours/day	7 days/week
	53	2 weeks/year	8760 hours/year
6.	Operating Capacity/Schedule Comr	nent (limit to 200 characters)):

average basis); therefore the maximum annual process rate is 306,600 tons per 12 consecutive month period.

Feed Bin has an input process rate of 120 tons per hour.

DEP Form No. 62-210.900(3) – Form

[No I.D.: Fugitive Emissions—Outside Building]

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1.	Identification of Point on Plot Plan or Flow Diagram? N/A		2. Emission Po	oint Type Code: 4		
3.	Descriptions of Emission Po 100 characters per point):	oints Comprising	g this Emissions (Jnit for VE Tracking	(limit to	
l	ad Hopper (LH-1), Belt Co N-1)	nveyor (BC-1),	Crusher (CR-01	—Proposed new), F	Feed Bin	
4.	ID Numbers or Description	s of Emission Ur	nits with this Emi	ssion Point in Comm	on: N/A	
5.	Discharge Type Code: F	6. Stack Height N/A	ht: A feet	7. Exit Diameter: N/A feet		
8.	Exit Temperature: N/A °F	Rate:	umetric Flow acfm	10. Water Vapor: N/A %		
11.	Maximum Dry Standard Flo N/A dscfm	ow Rate:	12. Nonstack Er	mission Point Height: ~71 feet		
13.	Emission Point UTM Coord	linates: Not Det	termined			
	Zone: E	ast (km):	Nort	h (km):		
	14. Emission Point Comment (limit to 200 characters): Non-stack height is the height of the crusher from ground level.					

DEP Form No. 62-210.900(3) – Form

[No I.D.: Fugitive Emissions—Outside Building]

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 1

-	1. Segment Description (Process/Fuel Type) (limit to 500 characters):					
In	dustrial Processes/ Minera	• • •	•		•	
			2			
					<u> </u>	
2.	Source Classification Code	e (SCC):	3. SCC Units	s:		
	3-05-020-99			Tons Processed		
4.	Maximum Hourly Rate:	5. Maximum A	Annual Rate:	6.	Estimated Annual Activity	
	120 (Wet Basis)	306,600 (V	Vet Basis)		Factor: N/A	
				$\overline{}$		
7.	Maximum % Sulfur:	8. Maximum 9	% Ash:	9.	Million Btu per SCC Unit:	
7.	Maximum % Sulfur: N/A	8. Maximum 9. N /		9.	Million Btu per SCC Unit: N/A	
		N/	'A	9.	-	
10.	N/A	N/	'A	9.	-	
10.	N/A Segment Comment (limit t	N/	'A	9.	-	
10.	N/A Segment Comment (limit t	N/	'A	9.	-	
10.	N/A Segment Comment (limit t	N/	'A	9.	-	
10.	N/A Segment Comment (limit t	N/	'A	9.	-	

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section <u>6</u> of <u>7</u> [No ID: Fugitive Emissions—Outside Building] Pollutant Detail Information Page <u>1</u> of <u>1</u>

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

		•	•		
1. Pollutant Emitted: PM		2. Pollutant Reg	rulatory Code: EL		
3. Primary Control Device Code: N/A	4. Secondary Control Device Code: N/A		5. Total Percent Efficiency of Control: N/D		
6. Potential Emissions: 1.73 lb/hour 2.21 tons/year			7. Synthetically Limited? []		
8. Emission Factor: 0.0054 lb PM/ton (tertiary crushing) 0.0030 lb PM/ton (front end loader, hopper, uncontrolled conveyor transfer point, feed bin)			9. Emissions Method Code: 3		
Reference: AP-42, Table 11. uncontrolled conveyor trans					
FIRE 6.25 10. Calculation of Emissions (limit to 600 characters): For Crusher to feed bin: (0.0054 lb PM/ton) x (120 tons/hr) = 0.65 lb PM/hr (0.0054 lb PM/ton) x (306,600 tons/yr) x (1 ton/2000 lbs) = 0.83tons PM/yr For front end loader to hopper, hopper to belt conveyor, belt conveyor to feed bin, belt conveyor to crusher: 3 x (0.0030 lb PM/ton) x (120 tons/hr) = 1.08 lbs PM/hr 3 x (0.0030 lb PM/ton) x (306,600 tons/yr) x (1 ton/2000 lbs)= 1.38 tons PM/yr					
11. Pollutant Potential Emissions Comment (limit to 200 characters): Emission factor for uncontrolled tertiary crushing was used to provide a conservative estimate for particulate emissions from the crusher. The emission factor for screen/convey/handling was used as the emission factor for the feed bin, hopper, and front end loader.					

Allowable Emissions N/A of N/A

Basis for Allowable Emissions Code: N/A	2. Future Effective D Emissions: N/A	ate of Allowable
3. Requested Allowable Emissions and Units: N/A	4. Equivalent Allowa N/A lb/hour	ble Emissions: N/A tons/year
5. Method of Compliance (limit to 60 character	rs): N/A	
6. Allowable Emissions Comment (Desc. of Op N/A	perating Method) (limit t	to 200 characters):

DEP Form No. 62-210.900(3) – Form

[No ID: Fugitive Emissions—Outside Building]

E. VISIBLE EMISSIONS INFORMATION

(Only Emissions Units Subject to a VE Limitation)

<u>Visible Emissions Limitation</u>: Visible Emissions Limitation $\underline{1}$ of $\underline{3}$

2. Basis for Allowable	Opacity:
[X] Rule	[] Other
-	10% 0 min/hour
:	
lies to various fugitive em	
sions Limitation $\underline{2}$ of $\underline{3}$	
2. Basis for Allowable [X] Rule	Opacity: [] Other
	150/
xceptional Conditions: ved:	15% 0 min/hour
•	
	characters): lies to various fugitive em 0 CFR 60, Subpart OOO

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section <u>6</u> of <u>7</u> [No ID: Fugitive Emissions—Outside Building]

Visible Emissions Limitation: Visible Emissions Limitation 3 of 3

1. Visible Emissions Subtype: VE20	2. Basis for Allowable	Opacity:
·	[X] Rule	[] Other
3. Requested Allowable Opacity:		
Normal Conditions: 20% E	xceptional Conditions:	20%
Maximum Period of Excess Opacity Allow	ved:	0 min/hour
4. Method of Compliance: EPA Method 9		
5. Visible Emissions Comment (limit to 200 e Per 62-296.320(4)(b), F.A.C., this emissions subject to 40 CFR 60, Subpart OOO.	•	quipment not

DEP Form No. 62-210.900(3) - Form

[No ID: Fugitive Emissions—Outside Building]

F. CONTINUOUS MONITOR INFORMATION

(Only Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System: Continuous Monitor N/A of N/A

1.	Parameter Code: N/A	2. Pollutant(s): N/A
3.	CMS Requirement: N/A	[] Rule [] Other
4.	Monitor Information: N/A Manufacturer: N/A Model Number: N/A	Serial Number: N/A
5.	Installation Date: N/A	6. Performance Specification Test Date: N/A
7.	Continuous Monitor Comment (limit to 200	characters): N/A

64

[No ID: Fugitive Emissions—Outside Building]

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1.	Process Flow Diagram			
	[X] Attached, Document ID: Supporting Documentation]	Not Applicable
	[] Waiver Requested			
2.	Fuel Analysis or Specification			
	[] Attached, Document ID: [X] Not Applicable	[]	Waiver Requested
3.	Detailed Description of Control Equipment			
	[] Attached, Document ID:[X] Not Applicable	[]	Waiver Requested
4.	Description of Stack Sampling Facilities			
	[] Attached, Document ID:[X] Not Applicable	[]	Waiver Requested
5.	Compliance Test Report			
	[] Attached, Document ID:			
	[] Previously submitted, Date:			
	[X] Not Applicable			
6.	Procedures for Startup and Shutdown			
	[] Attached, Document ID:[X] Not Applicable	[]	Waiver Requested
·7.	Operation and Maintenance Plan		-	
	[] Attached, Document ID: [X] Not Applicable	[]	Waiver Requested
8.	Supplemental Information for Construction Permit Application			
	[X] Attached, Document ID: Supporting Documentation	[]	Not Applicable
9.	Other Information Required by Rule or Statute			
	[] Attached, Document ID:[X] Not Applicable			;
10.	Supplemental Requirements Comment: N/A			
			•	

Emissions Unit Information Section 7 of 7 [No ID: Truck Loading Activities]

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

1. Type of Emissions Unit Ado	dressed in This Section: (Check	one)		
process or production unit	ation Section addresses, as a sing t, or activity, which produces one inable emission point (stack or ve	or more air pollutants and		
[] 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.				
1	ormation Section addresses, as a son units and activities which prod	•		
2. Description of Emissions U. Truck Loading Activities	nit Addressed in This Section (lin	mit to 60 characters):		
3. Emissions Unit Identification ID: 06 6	on Number:	[X] No ID [] ID Unknown		
4. Emissions Unit Status Code: A	5. Initial Startup Date: ~1998	6. Emissions Unit Major Group SIC Code: 14		
7. Emissions Unit Comment: (Emissions from truck loading 2)	Limit to 500 Characters) activities. Emissions are contr	colled by dust collector 2 (DC-		
		*		

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section 7 of 7 [No ID: Truck Loading Activities]

Emissions Unit Control Equipment

1. Control Equipment/Method Description (limit to 200 characters per device or method): Fabric Filter—Medium Temperature (180°F < T < 250°F)

2. Control Device or Method Code(s): 017

Emissions Unit Details

1.	Package Unit: N/A		
	Manufacturer: N/A M	Iodel Number: N/A	
2.	Generator Nameplate Rating:	N/A MW	
3.	Incinerator Information: N/A		
	Dwell Temperature:	:	N/A °F
	Dwell Time:	:	N/A seconds
	Incinerator Afterburner Temperature:	•	N/A°F

Emissions Unit Operating Capacity and Schedule

1.	Maximum Heat Input Rate:	N/A mmBtu/hr	
2,	Maximum Incineration Rate:	N/A lb/hr	N/A tons/day
3.	Maximum Process or Throughput R	ate: 108 TPH product	
4.	Maximum Production Rate: N/A		
5.	Requested Maximum Operating Sch	edule:	
	24	hours/day	7 days/week
	52	weeks/year	8760 hours/year
6.	Operating Capacity/Schedule Comm	ent (limit to 200 characters):	

• Maximum Process Rate:

Maximum process or throughput of truck loading activities is 108 tph of 306,600 tons per 12 consecutive month period.

DEP Form No. 62-210.900(3) - Form

[No ID: Truck Loading Activities]

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

Identification of Point on Pl Flow Diagram? FA-2	ot Plan or	2. Emission Po	oint Type Code: 1
3. Descriptions of Emission Po 100 characters per point):	oints Comprising	g this Emissions I	Jnit for VE Tracking (limit to
Fan outlet from dust collector	· 2 (DC-2)		
-			
4. ID Numbers or Descriptions	s of Emission U	nits with this Emi	ssion Point in Common: N/A
5. Discharge Type Code:	6. Stack Heig		7. Exit Diameter:
V	~14	feet	1.5 feet
8. Exit Temperature:	9. Actual Vol	umetric Flow	10. Water Vapor:
200 °F	Rate:		~2 %
11. Maximum Dry Standard Flo		0 acfm 12. Nonstack Et	nission Point Height:
10,035 dscfm			N/A feet
13. Emission Point UTM Coord	linates: Not Det	termined	
Zone: E	ast (km):	Nort	h (km):
14. Emission Point Comment (l	limit to 200 char	acters):	,
12 900 cofee of (1 0 02) wit/69 t	460)//200 + 460))] _ 10 025 des£	
12,800 acfm x (1-0.02) x[(68 +	400)/(200 ± 400))] – 10,035 asch	[[]
Also see EU 003: Screening/N	Aaterial Handli	ng.	
			•
	•		

DEP Form No. 62-210.900(3) – Form

[No ID: Truck Loading Activities]

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 1

l. In	Segment Description (Proc dustrial Processes/ Minera	** /	•		ters): ocessing/ Truck Unloading
2.	Source Classification Code	e (SCC):	3. SCC Units		The state of the s
	3-05-020-31			10	ons Product
4.	Maximum Hourly Rate:	5. Maximum A	Annual Rate:	6.	Estimated Annual Activity
	108	306,	600		Factor: N/A
				7	Mail: Di COOTI :
7.	Maximum % Sulfur:	8. Maximum 9	% Ash:	9.	Million Btu per SCC Unit:
7.	Maximum % Sulfur: N/A	8. Maximum 9		9.	N/A N/IIIon Btu per SCC Unit:
		N/	A	9.	•
	N/A	N/	A	9.	•
	N/A	N/	A	9.	•
	N/A	N/	A	9.	•
	N/A	N/	A	9.	•
	N/A	N/	A	9.	•

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section 7 of 7 [No ID: Truck Loading Activities]

Pollutant Detail Information Page 1 of 1

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: PM	2. Pollutant Re	gulatory Code: EL
3. Primary Control Device	4. Secondary Control Device	5. Total Percent Efficiency
Code: N/A	Code: N/A	of Control: N/D
6. Potential Emissions:		7. Synthetically Limited?
See EU 003 lb/hour	See EU 003 tons/year	[]
8. Emission Factor: 0.022 g	r/dscf	9. Emissions Method Code:
Reference: 40 CFR	60.672(a)	5
10. Calculation of Emissions	(limit to 600 characters):	
·		
·		÷
11 Dellotent Detection For test	C	
1	ons Comment (limit to 200 chara	
Irom EU 003 and truck load	ling operations both are collect	ed from DC-2
	·	
L	<u> </u>	

Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: Rule	2. Future Effective Date of Allowable Emissions: N/A
3. Requested Allowable Emissions and Units: See allowable emission information in EU 003.	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance (limit to 60 character	rs):
	perating Method) (limit to 200 characters):

DEP Form No. 62-210.900(3) – Form

[No ID: Truck Loading Activities]

E. VISIBLE EMISSIONS INFORMATION (Only Emissions Units Subject to a VE Limitation)

<u>Visible Emissions Limitation:</u> Visible Emissions Limitation <u>1</u> of <u>2</u>

	_	
1. Visible Emissions Subtype: VE07	2. Basis for Allowable Op	acity:
·	[X] Rule] Other
3. Requested Allowable Opacity:		
	Exceptional Conditions:	%
Maximum Period of Excess Opacity Allo	•	min/hour
iviaximum remod of Excess Opacity And	wed.	mmmour
4 M 41 - 1 - CC 11 TDA M 41 - 10		<u> </u>
4. Method of Compliance: EPA Method 9		
5 Will-1- Fraining Community (1) 14 to 200	2 .14	
5. Visible Emissions Comment (limit to 200		
40 CFR 60.672(a)—enclosed truck loading	station.	
	,	
·	•	
Visible Emissions Limitation: Visible Emi	ssions Limitation 2 of 2	
1. Visible Emissions Subtype: VE10	2. Basis for Allowable Op	eacity:
36	[X] Rule	Other
3. Requested Allowable Opacity:		
	Exceptional Conditions:	%
	-	min/hour
Maximum Period of Excess Opacity Allo	owed.	mm/nour
A 16:1 1 CO 1' FDA 16:1 10		<u> </u>
4. Method of Compliance: EPA Method 9	•	
	•	
5 V: 11 F :	2 1 40 CED (0.4	(80(1) E 1 1
5. Visible Emissions Comment (limit to 200	characters): Per 40 CFR 60.0	0/2(b)—Enclosed
truck loading station.		
·	·	
I		

DEP Form No. 62-210.900(3) – Form

[No ID: Truck Loading Activities]

F. CONTINUOUS MONITOR INFORMATION (Only Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System: Continuous Monitor N/A of N/A

1.	Parameter Code: N/A	2. Pollutant(s): N/A
3.	CMS Requirement: N/A	[] Rule [] Other
4.	Monitor Information: N/A	
	Manufacturer: N/A	
	Model Number: N/A	Serial Number: N/A
5.	Installation Date: N/A	6. Performance Specification Test Date:
		N/A
7.	Continuous Monitor Comment (limit to 200	characters): N/A
		·

[No ID: Truck Loading Activities] G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1.	Process Flow Diagram		
	[X] Attached, Document ID: Supporting Documentation []	Not Applicable
	[] Waiver Requested		·
2.	Fuel Analysis or Specification		
	[] Attached, Document ID: [X] Not Applicable []	Waiver Requested
3.	Detailed Description of Control Equipment		
	[] Attached, Document ID: [] Not Applicable [2]	X] .	Waiver Requested
4.	Description of Stack Sampling Facilities		
<u></u>	[] Attached, Document ID: [] Not Applicable [X	K]	Waiver Requested
5.	Compliance Test Report		
	[] Attached, Document ID:		
·	[] Previously submitted, Date:		•
	[X] Not Applicable		
	[11] Not replicable		
6.	Procedures for Startup and Shutdown		
	[] Attached, Document ID: [X] Not Applicable []	Waiver Requested
7.	Operation and Maintenance Plan		,
	[] Attached, Document ID: [X] Not Applicable []	Waiver Requested
8.			
	[X] Attached, Document ID: Supporting Documentation []	Not Applicable
9.	Other Information Required by Rule or Statute		
,	[] Attached, Document ID:[X] Not Applicable		
10.	. Supplemental Requirements Comment: N/A		
			·
	·		

DEP Form No. 62-210.900(3) - Form



Department of Environmental Protection



Division of Air Resources Management SOUTHWEST DISTRICT

APPLICATION FOR AIR PERMIT - NON-TITLE V SOURCE

See Instructions for Form No. 62-210.900(3)

I. APPLICATION INFORMATION

Identification of Facility

1. Facility Owner/Company Name:	Consolidated Mineral	is, inc.
2. Site Name: Center Hill Hi-Cal	Plant	
3. Facility Identification Number: 1	190018 [Unknown
4. Facility Location: Street Address or Other Locator:	State Road 48 West	
City: Center Hill	County: Sumter	Zip Code: 33514
5. Relocatable Facility?	6. Existing	g Permitted Facility?
[] Yes [X] No	[X] Yes	[] No
Application Contact		
1. Name and Title of Application Co	ontact: Veronica N. Sg	gro, E.I.
2. Application Contact Mailing Add	lress:	
Organization/Firm: Koogler & A	Associates, Inc.	
Street Address: 4014 NW 13 th S	treet	
City: Gainesville	State: FL	Zip Code: 32609
3. Application Contact Telephone N	lumbers:	
Telephone: (352) 377-5822	Fax: (3:	52) 377-7158
Application Processing Information	n (DEP Use)	
1. Date of Receipt of Application:	10-20-2009	5
2. Permit Number:	1190018-012-	· A.C.

Purpose of Application

Air Operation Permit Application

Th	is	Application for Air Permit is submitted to obtain: (Check one)
[]	Initial non-Title V air operation permit for one or more existing, but previously unpermitted, emissions units.
[]	Initial non-Title V air operation permit for one or more newly constructed or modified emissions units.
٠		Current construction permit number:
[]	Non-Title V air operation permit revision to address one or more newly constructed or modified emissions units.
		Current construction permit number:
		Operation permit number to be revised:
[]	Initial non-Title V air operation permit under Rule 62-210.300(2)(b), F.A.C., for an existing facility seeking classification as a synthetic non-Title V source.
		Current operation/construction permit number(s):
[}	Non-Title V air operation permit revision for a synthetic non-Title V source. Give reason for revision; e.g., to address one or more newly constructed or modified emissions units.
		Operation permit number to be revised:
		Reason for revision:
Ai	r (Construction Permit Application
Th	is	Application for Air Permit is submitted to obtain: (Check one)
[X] A	ir construction permit to construct or modify one or more emissions units.
[]	Air construction permit to make federally enforceable an assumed restriction on the potential emissions of one or more existing, permitted emissions units.
[]	Air construction permit for one or more existing, but unpermitted, emissions units.

2

Owner/Authorized Representative

1.	Name and	Title of O	wner/Author	rized Represe	entative: Ky	yle Garrett,	Vice President

2. Owner/Authorized Representative Mailing Address: Organization/Firm: Consolidated Minerals, Inc.

Street Address: 1616 S. 14th Street

City: Leesburg

State: FL

Zip Code: 34748

3. Owner/Authorized Representative Telephone Numbers:

Telephone: (352) 365-6522

Fax: (352) 455-5553

4. Owner/Authorized Representative Statement:

I, the undersigned, am the owner or authorized representative* of the facility addressed in this 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. 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 any permitted, emissions unit.

Signatur

Date

10-19-05

Professional Engineer Certification

1. Professional Engineer Name: Maxwell Lee, Ph.D, P.E.

Registration Number: 58091

2. Professional Engineer Mailing Address:

Organization/Firm: Koogler & Associates, Inc.

Street Address: 4014 NW 13th Street

City: Gainesville

State: FL

Zip Code: 32609

3. Professional Engineer Telephone Numbers:

Telephone: (352) 377-5822

Fax: (352) 377-7158

^{*} Attach letter of authorization if not currently on file.

Professional Engineer Statement:
I, the undersigned, hereby certify, except as particularly noted herein*, that:
(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 fo 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
(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 aid pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application.
If the purpose of this application is to obtain an air construction permit for one or more proposed new or modified emissions units (check here [X], 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 conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.
If the purpose of this application is to obtain an initial air operation permit or operation permit revision for one or more newly constructed or modified emissions units (check here [], if so), I further certify that, with the exception of any changes detailed as part of the 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.
16/18/07
Signature Date
(seal)

DEP Form No. 62-210.900(3) – Form Effective: 2/11/99

Scope of Application

Emissions		Permit	Processing
Unit ID	Description of Emissions Unit	Type	Fee
002	Dryer	AC1C	\$4500.00
003	Screening/Material Handling	AC1E	\$1000.00
004	Milling Operations	AC1E	\$1000.00
No. I.D.	Truck Loading Activities	·	
005	Storage Silos (SS-1 through SS-4)	AC1E	\$250.00
No I.D.	Fugitive Emissions—Enclosed Building	AC1F	\$250.00
No I.D.	Fugitive Emissions—Outside Building	AC1F	\$250.00
· ,	,		
	·		
-			

Application Processing Fee

Check one: [X] Attached - Amount: \$1,500.00 [] Not Applicable

Total Fee is \$7,250.00; however, a \$5,750.00 processing fee was submitted with the Air Construction Permit Application dated August 9, 2005.

DEP Form No. 62-210.900(3) - Form

Construction/Modification Information

1. Description of Proposed Project or Alterations:

Project is a proposed limestone drying and processing plant in Sumter County. Limestone is dried and processed to produce crushed stone meeting various specifications. Processing operations include hauling, drying, crushing, screening, conveying, stockpiling, and product handling. A revised process flow diagram and description are attached to this application.

This air construction permit application addresses the following issues:

- <u>Dryer Potential Emissions:</u> Existing permitted dryer potential emissions are to be calculated using statistical analysis of previous stack test data.
- <u>Fugitive Emissions—Enclosed Building:</u> Request that the Department includes emission unit entitled "Fugitive Emissions--Enclosed Building" in the Air Permit.
- <u>Fugitive Emissions—Outside Building:</u> Request that the Department includes emission unit entitled "Fugitive Emissions—Outside Building" in Air Permit.
- <u>Truck Loading Operations:</u> Request that the Department includes emission unit entitled "Truck Loading Operations" in Air Permit.
- <u>Maximum Throughput:</u> Increase the maximum throughput from 30 tons /hr wet limestone (monthly average basis) and 262,800 tons/12-month consecutive period to 35 tons/hr wet limestone (monthly average basis) and 306,600 tons/12 consecutive month period.
- 2. Projected or Actual Date of Commencement of Construction: N/A
- 3. Projected Date of Completion of Construction: N/A

DEP Form No. 62-210.900(3) – Form

Application Comment

<u>Dryer:</u> The greatest potential emission for Dust Collector 1, which controls the dryer, is 98.25 tpy of SO_2 . Since the potential emissions are greater than 50 tpy but less than 100 tpy, the processing fee for Dust Collector 1, which controls the dryer is \$4,500.00 per 62-4.050(4)(a)(2)(b), F.A.C.

<u>Screening/Material Handling:</u> The greatest potential emission from Screening/Material Handling is 8.29 tpy of PM. Since the potential emissions are greater than 5 tpy but less than 25 tpy, the processing fee for this emissions unit is \$1000.00 per 62-4.050(4)(1)(2)(d), F.A.C.

Milling Operations and Truck Loading Activities: Milling Operations and Truck Loading Activities are applicable for similar emissions unit fee. The greatest potential emission from Milling Operations and Truck Loading Activities is 5.20 tpy of PM. Since the potential emissions are greater than 5 tpy but less than 25 tpy, the processing fee for these similar emissions units is \$1000.00 per 62-4.050(4)(1)(2)(d), F.A.C.

Storage Silos: The greatest potential emission from the Storage Silos is 3.89 tpy of PM. Since the potential emissions are less than 5 tpy, the processing fee for this emissions unit is \$250.00 per 62-4.050(4)(1)(2)(e), F.A.C.

<u>Fugitive Emissions—Enclosed Building:</u> The expected greatest potential emission from the fugitive emissions from the enclosed building is 2.67 tpy of PM. Since the potential emissions are less than 5 tpy, the processing fee for this emissions unit is \$250.00 per 62-4.050(4)(1)(2)(e), F.A.C.

<u>Fugitive Emissions—Outside Building:</u> The expected greatest potential emission from fugitive emissions from operational activities outside of the building is 2.66 tpy of PM. Since the potential emissions are less than 5 tpy, the processing fee for this emissions unit is \$250.00 per 62-4.050(4)(1)(2)(e), F.A.C.

<u>Exemptions</u>: This application requests that the fuel tank for No. 4 fuel is exempt from permitting action, as the emissions from the tank are assumed to be minimal.

DEP Form No. 62-210.900(3) – Form

II, FACILITY INFORMATION

A. GENERAL FACILITY INFORMATION

Facility Location and Type

1.	Facility UTM Coor	dinates:			•		
	Zone: 17		East (km):	40	1.5 Nor	th (km): 3169	9.5
2.	Facility Latitude/Lo	•					31
	Latitude (DD/MM/	SS): 28/39/02			Longitude (DD/MN	M/SS): 82/00	/28
3.	Governmental	4. Facility S	Status	5.	Facility Major	6. Facility	SIC(s):
	Facility Code:	Code:	.		Group SIC Code:	142	22
	0	A	:		14	,	
	·	<u>L.</u>					
7.	Facility Comment (limit to 500 cl	naracters):				•
No	ne.						
							•
-						,	
							•

Facility Contact

1. Name and Title of Facility Contact: Wa	alter Merritt, Plant	Manager
 Facility Contact Mailing Address: Organization/Firm: Consolidated Min Street Address: 530 West Kings High 	•	
City: Center Hill	State: Florida	Zip Code: 33514
3. Facility Contact Telephone Numbers: Telephone: (352) 569-0328	Fax: (352)	568-1515

DEP Form No. 62-210.900(3) – Form

Facility Regulatory Classifications

Check all that apply:

1. [] Small Business Stationary Source?	[X] Unknown
2. [X] Synthetic Non-Title V Source?	
3. [X] Synthetic Minor Source of Pollutants Other th	nan HAPs?
4. [] Synthetic Minor Source of HAPs?	
5. [X] One or More Emissions Units Subject to NSP	S?
6. [] One or More Emission Units Subject to NES	SHAP Recordkeeping or Reporting?
7. Facility Regulatory Classifications Comment (limi 40 CFR 60, Subpart OOO—Standards of Performa Processing Plants.	•
Please refer to attached process flow diagram and documentation (Attachment 1) for the list of equipo OOO.	

Rule Applicability Analysis

- 40 CFR 60, Subpart OOO—Standards of Performance for Nonmetallic Mineral Processing Plants.
- 62-4, F.A.C.
- 62-210, F.A.C.
- 62-296, F.A.C.
- 62-297, F.A.C.

DEP Form No. 62-210.900(3) - Form

B. FACILITY POLLUTANTS

List of Pollutants Emitted

1. Pollutant Emitted	2. Pollutant Classif.	3. Requested Emissions Cap		4. Basis for Emissions	5. Pollutant Comment	
		lb/hour	tons/year_	Cap		
PM	B	N/A	N/A	N/A	N/A	
SO ₂	SM	N/A	N/A	N/A	N/A	
					•	
		<u> </u>				
<u></u>						
				!		
	·					

C. FACILITY SUPPLEMENTAL INFORMATION

Supplemental Requirements

1. Area Map Showing Facility Location:
[] Attached, Document ID: [] Not Applicable [X] Waiver Requested
Department has on file.
2. Facility Plot Plan:
[] Attached, Document ID: [] Not Applicable [X] Waiver Requested
Department has on file.
3. Process Flow Diagram(s):
[X] Attached, Document ID: Supporting Documentation [] Not Applicable
[] Waiver Requested
4. Precautions to Prevent Emissions of Unconfined Particulate Matter:
[] Attached, Document ID: [] Not Applicable [X] Waiver Requested
5. Supplemental Information for Construction Permit Application:
[X] Attached, Document ID: <u>Supporting Documentation</u> [] Not Applicable
<u> </u>
6. Supplemental Requirements Comment:
**
6. Supplemental Requirements Comment: Supporting documentation includes process flow diagram with process descriptions.
**
**
**
**
**
**
**
**
**
**
**

[E.U. 002: Dryer]

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

Type of Emissions Unit Add	dressed in This Section: (Check of	one)
process or production unit	t, or activity, which produces one	or more air pollutants and
process or production unit	ts and activities which has at least	
-	•	•
Description of Emissions Unger	nit Addressed in This Section (lin	nit to 60 characters):
Emissions Unit Identification ID: 002	n Number:	[] No ID [] ID Unknown
Emissions Unit Status Code: A	5. Initial Startup Date: ~1998	6. Emissions Unit Major Group SIC Code: 14
	,	sions from dryer.
	This Emissions Unit Inform process or production unit which has at least one defit. This Emissions Unit Infor process or production unit (stack or vent) but may als. This Emissions Unit Infor process or production unit Infor process or production unit. Description of Emissions Unit Identification. Emissions Unit Identification. Emissions Unit Status. Code: A Emissions Unit Comment: (process or production units and activities which has at least (stack or vent) but may also produce fugitive emissions. This Emissions Unit Information Section addresses, as a six process or production units and activities which produce further Description of Emissions Unit Addressed in This Section (lineyer Emissions Unit Identification Number: ID: 002 Emissions Unit Status 5. Initial Startup Date:

DEP Form No. 62-210.900(3) – Form

[E.U. 002: Dryer]

Emissions Unit Control Equipment

1. Control Equipment/Method Description (limit to 200 characters per device or method): Fabric Filter—High Temperature ($T > 250^{\circ}$ F)

2. Control Device or Method Code(s): 016

Emissions Unit Details

1.	Package Unit: N/A Manufacturer: Sly, Inc.	Model Number: ST	J-2817-12
2.	Generator Nameplate Rating:	N/A MW	
3.	Incinerator Information: N/A		
	Dwell Temperature:		N/A °F
	Dwell Time:		N/A seconds
	Incinerator Afterburner Temperature:	,	N/A°F

Emissions Unit Operating Capacity and Schedule

Maximum Heat Input Rate:	85.0 mmBtu/hr	
Maximum Incineration Rate:	N/A lb/hr	N/A tons/day
Maximum Process or Throughput Rate:	35 TPH Wet Limesto	one
Maximum Production Rate: N/A	,	
Requested Maximum Operating Schedu	le:	
24 hou	rs/day	7 days/week
52 wed	eks/year	8760 hours/year
	Maximum Incineration Rate: Maximum Process or Throughput Rate: Maximum Production Rate: N/A Requested Maximum Operating Schedul 24 hou	Maximum Incineration Rate: N/A lb/hr Maximum Process or Throughput Rate: 35 TPH Wet Limester

- 6. Operating Capacity/Schedule Comment (limit to 200 characters):
 - Maximum Heat Input Rate:

582.2 gal/hr of #4 fuel oil @ 146,000 BTU/gal = 85.0 mmBtu/hr

2,620,000 gal/yr of #4 fuel oil @ 146,000 BTU/gal = 382,520 MMBtu/yr

• Maximum Process Rate:

Maximum throughput of limestone drying and processing facility is 35 tph (monthly average basis) and 306,600 tons per 12 consecutive month period.

34.1

DEP Form No. 62-210.900(3) – Form

[E.U. 002: Dryer]

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1. Identification of Point on Pl Flow Diagram? ST-1	ot Plan or	2. Emission Po	oint Type Code: 1
3. Descriptions of Emission Po 100 characters per point):	oints Comprising	g this Emissions (Unit for VE Tracking (limit to
Stack from Dust Collector 1			
4. ID Numbers or Descriptions	s of Emission U	nits with this Emi	ssion Point in Common: N/A
5. Discharge Type Code: V	6. Stack Heig 75	ht: feet	7. Exit Diameter: 3.8 feet
8. Exit Temperature: 375 °F	9. Actual Vol Rate: 35,00	umetric Flow 0 acfm	10. Water Vapor: 23 %
11. Maximum Dry Standard Flo 17,041 dscfm			nission Point Height: N/A feet
13. Emission Point UTM Coord	linates: Not De	termined	
Zone: E	ast (km):	Nort	h (km):
14. Emission Point Comment (I Maximum Dry Standard Flow 35,000 acfm x (1-0.23) x [(68+	v Rate:		· · · · · · · · · · · · · · · · · · ·
		·	•
	. ,		· · · · · · · · · · · · · · · · · · ·

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section $\underline{1}$ of $\underline{7}$

[E.U. 002: Dryer]

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 4

1. Segment Description (Proc Industrial Processes/ Minera				
Dust Collector 1 (DC-1) colle	ects particulate	emissions from	n the dryer.	
2. Source Classification Code 3-05-020-99	e (SCC):	3. SCC Units	Tons Processed	
4. Maximum Hourly Rate: 35 (Wet Basis)	5. Maximum A 306,600 (V		6. Estimated Annual A Factor: N/A	ctivity
7. Maximum % Sulfur: N/A	8. Maximum 9. N/		9. Million Btu per SCC N/A	Unit:
10. Segment Comment (limit t None.	to 200 characters):		
Segment Description and Ra	ite: Segment 2 o	f <u>4</u>		
1. Segment Description (Proc Industrial Processes/ In Proc	* - '	•	•	
2. Source Classification Code 3-90-004-02	e (SCC):	3. SCC Units	s: ousand Gallons Burned	
4. Maximum Hourly Rate: 0.582	5. Maximum 2,6		6. Estimated Annual A Factor: N/A	ctivity
7. Maximum % Sulfur: 0.50	8. Maximum 9	% Ash: N/A	9. Million Btu per SCC 146	Unit:
10. Segment Comment (limit t	•			

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section $\underline{1}$ of $\underline{7}$ [E.U. 002: Dryer]

Segment Description and Rate: Segment 3 of 4

1. Segment Description (Proc Industrial Processes/In-Proc	* * *	`	haracters): eum Gas (Propane)/ General
2. Source Classification Code 3-90-010-89	e (SCC):	3. SCC Units	s. usand Gallons Burned
4. Maximum Hourly Rate:	5. Maximum	Annual Rate:	6. Estimated Annual Activity Factor: N/A
7. Maximum % Sulfur: N/A	8. Maximum N	•	9. Million Btu per SCC Unit: 90.5
, -	Permit No. 1190 Propane) shall b eceived 5/30/00]	018-008-AO: e used as an ig Permitting no	gnition fuel for start up of the ote: For each ignition attempt, num of 20 seconds.
Segment Description and Ra 1. Segment Description (Proc			haracters):
Industrial Processes/ In-Proc	• • •	•	· · · · · · · · · · · · · · · · · · ·
2. Source Classification Code 3-90-006-89	e (SCC):	3. SCC Units Million Cubi	
4. Maximum-Hourly Rate: (0.085 0.081)	5. Maximum	Annual Rate:	6. Estimated Annual Activity Factor: N/A
7. Maximum % Sulfur: N/A	8. Maximum	% Ash: N/A	9. Million Btu per SCC Unit: 1050
10. Segment Comment (limit t	to 200 characters):	
Hourly Maximum: (85 mmBtu/hr) x (1 mmcf/10 Annual Maximum: (0.085 mmBtu/hr) x (8760 hr	r		

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section $\underline{1}$ of $\underline{7}$ [E.U. 002: Dryer] Pollutant Detail Information Page $\underline{1}$ of $\underline{5}$

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: PM	2. Poll	utant Regulatory Code: EL
3. Primary Control Device	4. Secondary Control	Device 5. Total Percent Efficiency
Code: 016	Code: N/A	of Control: N/D
6. Potential Emissions:		7. Synthetically Limited?
5.84 lb/hour 2:	5.59 tons/year	[]
8. Emission Factor: 0.04 gr/	dscf	9. Emissions Method Code:
Reference: Test Data		1
Teoremee. Teor Zutu		
(5.84 lb PM/hr) x (8760 hr/y	min) x (60 min/hr) x (1 r) x (1 ton/2000 lbs) = 2	lb PM/7000 gr) = 5.84 lb PM/hr 5.59 tons PM/yr
based on test results, 98% co	onfidence level, and a s	00 characters): Emission factor is afety factor of 2. In addition, this SPS Subpart I; not applicable, but

17

DEP Form No. 62-210.900(3) – Form

[E.U. 002: Dryer]

Pollutant Detail Information Page 1 of 5

Allowable Emissions 1 of 2

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable
Rule	Emissions: N/A
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:
35 wet tons per hour	30.6 lb/hour 133.9 tons/year
5. Method of Compliance (limit to 60 character	s): EPA Method 5
6. Allowable Emissions Comment (Desc. of Operocess Weight Rate using the formula E = 17 P = process weight rate in tph.	

Allowable Emissions 2 of 2

Basis for Allowable Emissions Code: ESCTV	2. Future Effective Da Emissions: N/A	te of Allowable
3. Requested Allowable Emissions and Units:	4. Equivalent Allowab	ole Emissions:
0.04 gr/dscf	5.84 lb/hour	25.59 tons/year
5. Method of Compliance (limit to 60 character6. Allowable Emissions Comment (Desc. of Or		200 characters)
None.	craining internous (minit it	200 Characters).

DEP Form No. 62-210.900(3) – Form

[E.U. 002: Dryer]

Pollutant Detail Information Page 2 of 5

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1.	Pollutant Emitted: SO ₂	2. Pollutant Reg	gulatory Code: EL
3.	Primary Control Device Code: N/A	4. Secondary Control Device Code: N/A	5. Total Percent Efficiency of Control: N/A
6.	Potential Emissions: 43.65 lb/hour	98.25 tons/year	7. Synthetically Limited? [X]
8.	Emission Factor: 150S lb Reference: AP-42,	, -	9. Emissions Method Code: 4

10. Calculation of Emissions (limit to 600 characters):

[150(0.5) lb SO₂/TGB] x (0.582 TGB/hr) = 43.65 lbs SO₂/hr [150(0.5) lb SO₂/TGB] x (2,620 TGB/yr) x (1 ton/2000 lbs) = 98.25 ton SO₂/yr

11. Pollutant Potential Emissions Comment (limit to 200 characters): Emission factor based on No. 4 oil-fired boilers < 100 mmbtu/hr.

Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code:	2. Future Effective	Date of Allowable
ESCTV	Emissions: N/A	
3. Requested Allowable Emissions and Units:	4. Equivalent Allov	vable Emissions:
0.5% Sulfur in fuel oil	43.65 lb/hour	98.25 tons/year
		•
5. Method of Compliance (limit to 60 character	rs): Fuel oil analysis l	
5. Method of Compliance (limit to 60 character	rs): Fuel oil analysis l	
	·	oy vendor
 5. Method of Compliance (limit to 60 character 6. Allowable Emissions Comment (Desc. of Open/A) 	·	oy vendor

DEP Form No. 62-210.900(3) - Form

[E.U. 002: Dryer]

Pollutant Detail Information Page 3 of 5

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: NO _x	2. Pollutant F	Regulatory Code: NS
3. Primary Control Device Code: N/A	4. Secondary Control Device Code: N/A	5. Total Percent Efficiency of Control: N/A
6. Potential Emissions: 11.64 lb/hour	26.20 tons/year	7. Synthetically Limited?
	8. Emission Factor: 20 lbs NO _x /1000 gallons Reference: AP-42, Table 1.3-1	
10. Calculation of Emissions (limit to 600 characters): (20 lbs NO_x/TGB) x (0.582 TGB/hr) = 11.64 lbs NO_x/hr (20 lbs NO_x/TGB) x (2,620 TGB/yr) x (1 ton/2000 lbs) = 26.20 tons NO_x/yr		
11. Pollutant Potential Emissions Comment (limit to 200 characters): Emission factor based on No. 4 oil-fired boilers < 100 mmbtu/hr.		

Allowable Emissions N/A of N/A

1. Basis for Allowable Emissions Code: N/A	2. Future Effective Date Emissions: N/A	of Allowable
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable	Emissions:
N/A	N/A lb/hour	N/A tons/year
5. Method of Compliance (limit to 60 character	5). IVA	
6 Allowable Emissions Comment (Desc. of Or	perating Method) (limit to 2	00 characters):
6. Allowable Emissions Comment (Desc. of Op N/A	perating Method) (limit to 2	00 characters):

DEP Form No. 62-210.900(3) - Form

[E.U. 002: Dryer]

Pollutant Detail Information Page 4 of 5

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: CO	2	2. Pollutant Regu	ulatory Code: NS
3. Primary Control Device	4. Secondary C	ontrol Device	5. Total Percent Efficiency
Code: N/A	Code: N/A		of Control: N/A
6. Potential Emissions:			7. Synthetically Limited?
2.91 lb/hour 6.5	2.91 lb/hour 6.55 tons/year []		[]
8. Emission Factor: 5 lbs C	O/1000 gallons		9. Emissions Method Code:
Reference: AP-42,	Гable 1.3-1		4
1			
10 Coloulation of Emissions	Climit to 600 alraga		
10. Calculation of Emissions (5 lbs CO/TGB) x (0.582 TG	•	•	-
1 '	•		ns CO/vr
(5 lbs CO/TGB) x $(2,620 \text{ TGB/yr})$ x $(1 \text{ ton/}2000 \text{ lbs}) = 6.55 \text{ tons CO/yr}$			
·			
11 Pollutant Potential Emissions Comment (limit to 200 characters): Emission factor based			
11. Pollutant Potential Emissions Comment (limit to 200 characters): Emission factor based on No. 4 oil-fired boilers < 100 mmbtu/hr.			
	O MILLIOTAL III		
			· ,

Allowable Emissions N/A of N/A

Emissions: N/A	
Equivalent Allow N/A lb/hour	able Emissions: N/A tons/year
): N/A	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): N/A	
	4. Equivalent Allow N/A lb/hour i): N/A

DEP Form No. 62-210.900(3) - Form

[E.U. 002: Dryer]

Pollutant Detail Information Page 5 of 5

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: VOC	-, -, -, -, -, -, -, -, -, -, -, -, -, -	2. Pollutant Reg	ulatory Code: NS
3. Primary Control Device	4. Secondary	Control Device	5. Total Percent Efficiency
Code: N/A	Code: N/A		of Control: N/A
6. Potential Emissions:	•,	3	7. Synthetically Limited?
0.12 lb/hour 0.26 tons/year			[]
8. Emission Factor: 0.2 lbs I	NMTOC/1000 §	gallons	9. Emissions Method Code:
Reference: AP-42,	Гable 1.3-3	*	4
,			
10. Calculation of Emissions	limit to 600 cha	racters):	
	(
(0.2 lbs NMTOC/TGB) x (0.	582 TGB/hr) =	0.12 lbs NMTO	C/hr
$(0.2 \text{ lbs NMTOC/TGB}) \times (2,$	(0.2 lbs NMTOC/TGB) x (2,620 TGB/hr) x (1 ton/2000 lbs) = 0.26 tons NMTOC/yr		
·			
	•		
		•	
11. Pollutant Potential Emissions Comment (limit to 200 characters): Emission factor for			
NMTOC was used in calculations instead of a VOC emission factor. Emission factor			
based on No. 4 oil-fired boile	ers < 100 mmbt	u/hr.	
		\$	

Allowable Emissions N/A of N/A

1. Basis for Allowable Emissions Code: N/A	2. Future Effective Date of Allowable Emissions: N/A
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:
N/A	N/A lb/hour N/A tons/year
5. Method of Compliance (limit to 60 character	S). 1VA
6. Allowable Emissions Comment (Desc. of Op	perating Method) (limit to 200 characters):
6. Allowable Emissions Comment (Desc. of Op N/A	perating Method) (limit to 200 characters):
	perating Method) (limit to 200 characters):
	perating Method) (limit to 200 characters):

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section $\underline{1}$ of $\underline{7}$

[E.U. 002: Dryer]

E. VISIBLE EMISSIONS INFORMATION (Only Emissions Units Subject to a VE Limitation)

<u>Visible Emissions Limitation:</u> Visible Emissions Limitation <u>1</u> of <u>1</u>

2. Basis for Allowable C	pacity:
[X] Rule	[] Other
Exceptional Conditions:	20%
ved:	0 min/hour
5. Visible Emissions Comment (limit to 200 characters): Per 62-296.320(b)1, F.A.C., this emissions limit applies to Dust Collector 1, which collects PM emissions from the dryer.	
,	[X] Rule Exceptional Conditions: ved: characters):

F. CONTINUOUS MONITOR INFORMATION (Only Emissions Units Subject to Continuous Monitoring)

<u>Continuous Monitoring System:</u> Continuous Monitor $\underline{N/A}$ of $\underline{N/A}$

1.	Parameter Code: N/A	2. Pollutant(s): N/A
3.	CMS Requirement: N/A	[] Rule [] Other
4.	Monitor Information: N/A Manufacturer: N/A Model Number: N/A	Serial Number: N/A
5.	Installation Date: N/A	6. Performance Specification Test Date: N/A
7.	Continuous Monitor Comment (limit to 200	characters): N/A

DEP Form No. 62-210.900(3) - Form

[E.U. 002: Dryer]

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1.	Process Flow Diagram
	[X] Attached, Document ID: Supporting Documentation [] Not Applicable
	[] Waiver Requested
2.	Fuel Analysis or Specification
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested
3.	Detailed Description of Control Equipment
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested
4.	Description of Stack Sampling Facilities
· ·	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested
5.	Compliance Test Report
	[] Attached, Document ID:
	[] Previously submitted, Date:
	[X] Not Applicable
6.	Procedures for Startup and Shutdown
	[] Attached, Document ID: [X] Not Applicable [] Waiver Requested
7.	Operation and Maintenance Plan
	[] Attached, Document ID: [X] Not Applicable [] Waiver Requested
8.	Supplemental Information for Construction Permit Application
	[X] Attached, Document ID: Supporting Documentation [] Not Applicable
9.	Other Information Required by Rule or Statute
	[] Attached, Document ID:[X] Not Applicable
10.	Supplemental Requirements Comment: N/A

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section 2 of 7 [E.U. 003: Screening/Material Handling]

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

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).			
[X] 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 (limit to 60 characters): Screening and Milling			
3. Emissions Unit Identification ID: 003			
4. Emissions Unit Status Code: A	1 * 1		
7. Emissions Unit Comment: (Limit to 500 Characters) Dust Collector No. 2 (DC-2) controls particulate matter emissions from screening and belt conveyor to milling operations.			
		· ·	

25

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section 2 of 7 [E.U. 003: Screening/Material Handling] **Emissions Unit Control Equipment**

1.	Control Equipment/Method Description (limit to 200 characters per device or method):
Fal	bric Filter—Medium Temperature (180°F < T < 250°F)

2. Control Device or Method Code(s): 017

Emissions Unit Details

1.	Package Unit: N/A	
	Manufacturer: Sly, Inc	Model Number: STJ-1315-10
2.	Generator Nameplate Rating:	N/A MW
3.	Incinerator Information: N/A	
1	Dwell Temperature:	N/A °F
ļ	Dwell Time:	N/A seconds
	Incinerator Afterburner Temperature:	N/A°F

Emissions Unit Operating Capacity and Schedule

1.	Maximum Heat Input Rate:	N/A mmBtu/hr	
2.	Maximum Incineration Rate:	N/A lb/hr	N/A tons/day
3.	Maximum Process or Throughput Ra	ate: 35 TPH Wet Limeston	ne
4.	Maximum Production Rate: N/A	`	
5.	Requested Maximum Operating Sch	edule:	
	24	hours/day	7 days/week
	52	weeks/year	8760 hours/year
6.	Operating Capacity/Schedule Comm	ent (limit to 200 characters)):

• Maximum Process Rate:

Maximum throughput of limestone drying and processing facility is 35 tph (monthly average basis) and 306,600 tons per 12 consecutive month period.

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section 2 of 7 [E.U. 003: Screening/Material Handling]

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1.	Identification of Point on Plot Plan or Flow Diagram? FA-2		2. Emission Point Type Code: 1		
	. ·			·	
3.	3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):				
Fa	n outlet from dust collector	2 (DC-2)		, and the second	
4.	ID Numbers or Descriptions	of Emission Ur	nits with this Emi	ssion Point in Common: N/A	
		ı			
5.	Discharge Type Code: H	6. Stack Heigh N/A	nt: Afeet	7. Exit Diameter: N/A feet	
8.	Exit Temperature: 200 °F	Rate:	umetric Flow 0 acfm	10. Water Vapor: ~2 %	
11.	11. Maximum Dry Standard Flow Rate: 10,035 dscfm 12. Nonstack Emission Point Height: ~14 feet				
13.	Emission Point UTM Coord	linates: Not Det	ermined		
	Zone: E	ast (km):	Nortl	h (km):	
14.	Emission Point Comment (1	imit to 200 chara	acters):		
Maximum Dry Standard Flow Rate: 12,800 acfm x (1-0.02) x [(68+460)/(200 + 460)] = 10,035 dscfm					
		·			
		·			

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section 2 of 7 [E.U. 003: Screening/Material Handling]

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Pro Industrial Processes/ Miner	• • •	•		•
2. Source Classification Cod 3-05-020-99	e (SCC):	3. SCC Unit		ns Processed
4. Maximum Hourly Rate: 35 (Wet Basis)	5. Maximum 306,600 (Annual Rate: Wet Basis)		Estimated Annual Activity Factor: N/A
7. Maximum % Sulfur: N/A	8. Maximum N	% Ash: / A	9.	Million Btu per SCC Unit: N/A
10. Segment Comment (limit Dust Collector 2 (DC-2) ven operations.		•	he so	creening and milling

28

DEP Form No. 62-210.900(3) – Form

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: PM 2. Pollutant Reg		gulatory Code: EL		
3. Primary Control Device Code: 017	4. Secondary Control Device Code: N/A	5. Total Percent Efficiency of Control: N/D		
6. Potential Emissions: 1.89 lb/hour 8.	.29 tons/year	7. Synthetically Limited?		
8. Emission Factor: 0.022 gr	r/dscf	9. Emissions Method Code:		
Reference: 40 CFR 60.672(a))	0		
•	,			
10. Calculation of Emissions (limit to 600 characters):				
10. Calculation of Emissions ((mint to ooo characters).			
(0.022 gr/dscf) x (10,035 dscf	f/min) x (60 min/hr) x (1 lb PM r) x (1 ton/2000 lbs) = 8.29 tons			
(0.022 gr/dscf) x (10,035 dscf	f/min) x (60 min/hr) x (1 lb PM			

Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: Rule	2. Future Effective Date of Allowable Emissions: N/A		
 Requested Allowable Emissions and Units: 0.022 gr/dscf 	4. Equivalent Allowable Emissions: 1.89 lb/hour 8.29 tons/year		
5. Method of Compliance (limit to 60 characters): EPA Method 9			
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): Per 40 CFR 60.672(a)(1).			

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section 2 of 7 [E.U. 003: Screening/Material Handling]

E. VISIBLE EMISSIONS INFORMATION

(Only Emissions Units Subject to a VE Limitation)

Visible Emissions Limitation: Visible Emissions Limitation 1 of 2

1. Visible Emissions Subtype: VE07	2. Basis for Allowable	e Opacity:
	[X] Rule	['] Other
3. Requested Allowable Opacity: Normal Conditions: 07% Maximum Period of Excess Opacity All	Exceptional Conditions:	07% 0 min/hour
4. Method of Compliance: EPA Method 9		
5. Visible Emissions Comment (limit to 20 Per 40 CFR 60.672(a)(2), this emissions li collects PM from various pieces of equipm CFR 60, Subpart OOO.	imit applies to Dust Collect	
Visible Emissions Limitation: Visible Em	nissions Limitation <u>1</u> of <u>2</u>	€ ·
1. Visible Emissions Subtype: VE20	2. Basis for Allowable [X] Rule	Opacity: [] Other
3. Requested Allowable Opacity: Normal Conditions: 20% Maximum Period of Excess Opacity All	Exceptional Conditions: lowed:	20% 0 min/hour
4. Method of Compliance: EPA Method 9		
5. Visible Emissions Comment (limit to 20 Per 62-296.320(b)1, F.A.C., this emissions screening operations not subject to 40 CF	s limit applies to all other e	quipment in the

[E.U. 003: Screening/Material Handling]

F. CONTINUOUS MONITOR INFORMATION (Only Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System: Continuous Monitor N/A of N/A

1.	Parameter Code: N/A	2. Pollutant(s): N/A
3.	CMS Requirement: N/A	[] Rule [] Other
4.	Monitor Information: N/A Manufacturer: N/A Model Number: N/A	Serial Number: N/A
5.	Installation Date: N/A	6. Performance Specification Test Date: N/A
7.	Continuous Monitor Comment (limit to 200	characters): N/A

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section 2 of 7 [E.U. 003: Screening/Material Handling]

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1.	Process Flow Diagram	•	
	[X] Attached, Document ID: Supporting Documentation	[] Not Applicable
	[] Waiver Requested		
2.	Fuel Analysis or Specification		
	[] Attached, Document ID: [X] Not Applicable	[] Waiver Requested
3.	Detailed Description of Control Equipment		
	[] Attached, Document ID: [] Not Applicable	[X]	Waiver Requested
4.	Description of Stack Sampling Facilities	•	
	[] Attached, Document ID: [] Not Applicable	[X]	Waiver Requested
5.	Compliance Test Report		
	[] Attached, Document ID:		
	[] Previously submitted, Date:	•	
	[X] Not Applicable		•
6.	Procedures for Startup and Shutdown		
	[] Attached, Document ID: [X] Not Applicable	[] Waiver Requested
7.	Operation and Maintenance Plan		
	[] Attached, Document ID:[X] Not Applicable	[] Waiver Requested
8.	Supplemental Information for Construction Permit Application		
	[X] Attached, Document ID: Supporting Documentation	ſ] Not Applicable
		_	<u> </u>
9.	Other Information Required by Rule or Statute		
9.	Other Information Required by Rule or Statute [] Attached, Document ID: [X] Not Applicable		
	• • •		
	[] Attached, Document ID:[X] Not Applicable		
	[] Attached, Document ID:[X] Not Applicable		
	[] Attached, Document ID:[X] Not Applicable		
	[] Attached, Document ID:[X] Not Applicable		

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section 3 of 7 [E.U. 004: Milling Operations]

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

1.	1. Type of Emissions Unit Addressed in This Section: (Check one)				
[X	[X] 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).				
[
[_	mation Section addresses, as a s ts and activities which produce for	ingle emissions unit, one or more ugitive emissions only.		
	 Description of Emissions Unit Addressed in This Section (limit to 60 characters): Milling Operations 				
3.	Emissions Unit Identification ID: 004	on Number:	[] No ID [] ID Unknown		
4.	Emissions Unit Status Code: A	5. Initial Startup Date: ~1998	6. Emissions Unit Major Group SIC Code: 14		
	7. Emissions Unit Comment: (Limit to 500 Characters) Dust Collector No. 3 (DC-3) controls particulate matter emissions from milling operations.				

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section 3 of 7 [E.U. 004: Milling Operations] **Emissions Unit Control Equipment**

1. Control Equipment/Method Description (limit to 200 characters per device or method): Fabric Filter—Medium Temperature (180°F < T < 250°F)

2. Control Device or Method Code(s): 017

Emissions Unit Details

1.	Package Unit: N/A		· -
•	Manufacturer: Sly, Inc.	Model Number: STJ-78-10	
2.	Generator Nameplate Rating:	N/A MW	
3.	Incinerator Information: N/A		
	Dwell Temperature:	N/A °F	
	Dwell Time:	N/A seconds	
	Incinerator Afterburner Temperature:	N/A°F	

Emissions Unit Operating Capacity and Schedule

1.	Maximum Heat Input Rate:	N/A mmBtu/hr	
2.	Maximum Incineration Rate:	N/A lb/hr	N/A tons/day
3.	Maximum Process or Throughput R	ate: 35 TPH Wet Limestone	
4.	Maximum Production Rate: N/A		
5.	Requested Maximum Operating Sch	nedule:	`
	24	hours/day	7 days/week
	52	weeks/year	8760 hours/year
6.	Operating Capacity/Schedule Comp	ent (limit to 200 characters):	

• Maximum Process Rate:

Maximum throughput of limestone drying and processing facility is 35 tph (monthly average basis) and 306,600 tons per 12 consecutive month period.

DEP Form No. 62-210.900(3) - Form

[E.U. 004: Milling Operations] B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1.	Identification of Point on Pl Flow Diagram? FA-3	ot Plan or	2. Emission Point Type Code: 1			
3.	3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):					
Fa	n vent from Dust Collector	3		·		
				÷.		
	,			<u>. </u>		
4.	ID Numbers or Descriptions	s of Emission Ur	nits with this Emi	ssion Point in Common: N/A		
5.	Discharge Type Code:	6. Stack Heigh		7. Exit Diameter:		
	H	N/A	feet	N/A feet		
8.	Exit Temperature:	9. Actual Vol	umetric Flow	10. Water Vapor:		
	200 °F	Rate:	acfm_	~2 %		
11.	Maximum Dry Standard Flo			mission Point Height:		
	3,136 dscfm			(~33 feet)		
13.	Emission Point UTM Coord	linates: Not Det	ermined			
	Zone: E	ast (km):	Nortl	n (km):		
14.	Emission Point Comment (1	imit to 200 chara	acters):			
Maximum Dry Standard Flow Rate: $4,000 \text{ acfm x } (1-0.02) \text{ x } [(68+460)/(200+460)] = 3,136 \text{ dscfm}$ When dust collector 3 (DC-3) is off line, part of emissions from milling operations can						
ais	o be collected by dust collec	ctor 2 (DC-2).				

Emissions Unit Inform. In Section 3 of 7

[E.U. 004: Milling Operations]

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Proc	ess/Fuel Type) (limit to	500 characters):				
Industrial Processes/ Mineral Products/ Stone Quarrying—Processing/ General						
	•	•				
	,					
2 G Cl 'C1' C 1	(0,00) 2 00	OTIL'S				
2. Source Classification Code	e(SCC): 3. SC	C Units:				
3-05-020-99		Tons Processed				
4. Maximum Hourly Rate:	5. Maximum Annual	Rate: 6. Estimated Annual Activity				
35 (Wet Basis)	306,600 (Wet Bas	is) Factor: N/A				
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:				
N/A	N/A	. N/A				
10. Segment Comment (limit t	o 200 characters):					
Dust Collector 3 (DC-3) vent	s particulate emissions	from milling operations.				
	•					
·						

[E.U. 004: Milling Operations]

Pollutant Detail Information Page 1 of 1

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: PM	2	. Pollutant Regu	latory Code: EL		
3. Primary Control Device	4. Secondary Co	ontrol Device	5. Total Percent Efficiency		
Code: 016	Code: N/A		of Control: N/D		
6. Potential Emissions:			7. Synthetically Limited?		
1.19 lb/hour 5	5.20 tons/year]	[]		
8. Emission Factor: 0.0404	lb/ton		9. Emissions Method Code:		
Reference: AP-42 Table 11.1	10.2.4		3		
Reference. AF-42 Table 11.1	17.4 -4		•		
10. Calculation of Emissions	(limit to 600 charae	cters):			
,					
$(0.0404 \text{ lb PM/ton}) \times (0.84 \times 35 \text{ wet tons/hour}) = 1.19 \text{ lbs PM/hr}$					
$(1.19 \text{ lbs PM/hr}) \times (8760 \text{ hrs/yr}) \times (1 \text{ ton/2000 lbs}) = 5.20 \text{ tons PM/yr}$					
11. Pollutant Potential Emissions Comment (limit to 200 characters): Dust Collector 3 (DC-3)					
collects emissions from the milling process. Raymond mill is not subject to NSPS OOO					
since it was constructed/reconstructed/modified prior to 08/31/1983.					
1					

37

Emissions Unit Inform. In Section 3 of 7 [E.U. 004: Milling Operations] Pollutant Detail Information Page 1 of 1

Allowable Emissions Allowable Emissions 1 of 2

2. Future Effective Date of Allowable	
Emissions: N/A	
ons and Units: 4. Equivalent Allowable Emissions:	
30.6 lb/hour	133.9 tons/year
	Emissions: N/A 4. Equivalent Allowab

5. Method of Compliance (limit to 60 characters): EPA Method 5

6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): Process Weight Rate using the formula $E = 17.31P^{0.16}$, where E = emissions in lb/hr and P = process weight rate in tph.

 $E = 17.31(35)^{0.16} = 30.6 \text{ lbs/hr} = 133.9 \text{ tons/yr}$

Allowable Emissions Allowable Emissions 2 of 2

1. Basis for Allowable Emissions Code: OTHER	2. Future Effective Date of Allowable Emissions: N/A		
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:		
0.0404 lb PM/ton	1.19 lb/hour	5.20 tons/year	
5. Method of Compliance (limit to 60 characters): EPA Method 5			

6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): Raymond mill is not subject to NSPS OOO since it was constructed/reconstructed/modified prior to 08/31/1983.

DEP Form No. 62-210.900(3) - Form

[E.U. 004: Milling Operations]

E. VISIBLE EMISSIONS INFORMATION (Only Emissions Units Subject to a VE Limitation)

<u>Visible Emissions Limitation:</u> Visible Emissions Limitation <u>1</u> of <u>1</u>

1. Visible Emissions Subtype: VE20	2. Basis for Allowable (Opacity:
	[X] Rule	[] Other
3. Requested Allowable Opacity:		
Normal Conditions: 20% Ex	ceptional Conditions:	20%
Maximum Period of Excess Opacity Allowe	ed:	0 min/hour
4. Method of Compliance: EPA Method 9		
5. Visible Emissions Comment (limit to 200 c	haracters):	
Per 62-296.320(b)1, F.A.C., this emissions lin PM emissions from the Raymond Mill. The was constructed/reconstructed/modified prior	Raymond Mill is <i>NOT</i> su	

F. CONTINUOUS MONITOR INFORMATION (Only Emissions Units Subject to Continuous Monitoring)

<u>Continuous Monitoring System:</u> Continuous Monitor $\underline{N/A}$ of $\underline{N/A}$

1. Pa	rameter Code: N/A	2. Pollutant(s): N/A
3. CN	MS Requirement: N/A	[] Rule [] Other
	onitor Information: N/A Manufacturer: N/A Iodel Number: N/A	Serial Number: N/A
5. Ins	stallation Date: N/A	6. Performance Specification Test Date: N/A
7. Cc	ontinuous Monitor Comment (limit to 200	characters): N/A

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section $\underline{3}$ of $\underline{7}$

[E.U. 004: Milling Operations]

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1.	Process Flow Diagram			
		[] Not Applicable	
	[] Waiver Requested			_
2.	Fuel Analysis or Specification	rwi	Wairran Dagragatad	
	[] Attached, Document ID: [] Not Applicable	[A]	Waiver Requested	
3.	Detailed Description of Control Equipment			
•	[] Attached, Document ID: [] Not Applicable	[X]	Waiver Requested	
4.	Description of Stack Sampling Facilities			_
•	[] Attached, Document ID: [] Not Applicable	[X]	Waiver Requested	
5.	Compliance Test Report			
	[] Attached, Document ID:		,	
	[] Previously submitted, Date:			
	[X] Not Applicable			
6.	Procedures for Startup and Shutdown			_
	[] Attached, Document ID: [X] Not Applicable	[] Waiver Requested	
7.	Operation and Maintenance Plan			_
	[] Attached, Document ID: [X] Not Applicable	[] Waiver Requested	
8.	Supplemental Information for Construction Permit Application		• .	
	[X] Attached, Document ID: Supporting Documentation	[] Not Applicable	
9.	Other Information Required by Rule or Statute			
	[] Attached, Document ID: [X] Not Applicable			
10.	Supplemental Réquirements Comment: N/A			`

DEP Form No. 62-210.900(3) - Form

[E.U. 005: Storage Silos]

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

1. Type of Emissions Unit Addressed in This Section: (Check one)					
process or production unit	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).				
process or production unit	ation Section addresses, as a sing as and activities which has at leas so produce fugitive emissions.				
1 - 3	mation Section addresses, as a size and activities which produce for	ingle emissions unit, one or more ugitive emissions only.			
 Description of Emissions Unit Addressed in This Section (limit to 60 characters): Storage Silos 					
3. Emissions Unit Identification ID: 005	n Number:	[] No ID [] ID Unknown			
4. Emissions Unit Status Code: A	5. Initial Startup Date: ~1998	6. Emissions Unit Major Group SIC Code: 14			
7. Emissions Unit Comment: (Limit to 500 Characters) Dust Collector No. 4 (DC-4) controls particulate matter emissions from Silo SS-3, as well as indirectly controlling particulate matter emissions from Silos SS-1, SS-2, and SS-4. Silos 1, 2, and 3 (SS-1, SS-2, and SS-3, respectively) were constructed/reconstructed/modified prior to August 31, 1983 Silo SS-4 was constructed in July 2005. The silos are subject to NSPS Subpart OOO.					

41

DEP Form No. 62-210.900(3) – Form

[E.U. 005: Storage Silos]

Emissions Unit Control Equipment

1. Control Equipment/Method Description (limit to 200 characters per device or method): Fabric Filter—Medium Temperature (180°F < T < 250° F)

2. Control Device or Method Code(s): 017

Emissions Unit Details

1.	Package Unit: N/A		,
	Manufacturer: Sly, Inc.	Model Number: ST.	J-88-10
2.	Generator Nameplate Rating:	N/A MW	
3.	Incinerator Information: N/A		
	Dwell Temperature:		N/A °F
	Dwell Time:		N/A seconds
	Incinerator Afterburner Temperature:		N/A°F

Emissions Unit Operating Capacity and Schedule

1.	Maximum Heat Input Rate:	N/A mmBtu/hr	
2.	Maximum Incineration Rate:	N/A lb/hr	N/A tons/day
3.	Maximum Process or Throughput Ra	ate: 35 TPH Wet Limestone	
4.	Maximum Production Rate: N/A		· .
5.	Requested Maximum Operating Sch	edule:	
	24	hours/day	7 days/week
	52	weeks/year	8760 hours/year

6. Operating Capacity/Schedule Comment (limit to 200 characters):

• Maximum Process Rate:

Maximum throughput of limestone drying and processing facility is 35 tph (monthly average basis) and 306,600 tons per 12 consecutive month period.

DEP Form No. 62-210.900(3) – Form

[E.U. 005: Storage Silos]

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1. Identification of Point on Pl Flow Diagram? FA-4	Identification of Point on Plot Plan or Flow Diagram? FA-4		oint Type Code: 1		
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):					
Fan vent for Dust Collector 4					
4. ID Numbers or Descriptions	s of Emission U	nits with this Emi	ssion Point in Common: N/A		
		•			
5. Discharge Type Code:	6. Stack Heig		7. Exit Diameter:		
H	N/A	feet	N/A feet		
8. Exit Temperature:	9. Actual Vol	umetric Flow	10. Water Vapor:		
200 °F	Rate:		~2 %		
11. Maximum Dry Standard Flo	·	acfm 12 Nonstack Fr	nission Point Height:		
4,704 dscfm		12. Wonstack Li	~97 feet		
13. Emission Point UTM Coord	linates: Not Det	termined			
Zone: E	ast (km):	North (km):			
14. Emission Point Comment (l	imit to 200 char	acters):			
Maximum Dry Standard Flow Rate: $6,000 \text{ acfm x } (1-0.02) \text{ x } [(68+460)/(200+460)] = 4,704 \text{ dscfm}$					
•					
		•			

DEP Form No. 62-210.900(3) - Form

[E.U. 005: Storage Silos]

C. SEGMENT (PROCESS/FUEL) INFORMATION

<u>Segment Description and Rate:</u> Segment $\underline{1}$ of $\underline{1}$

1. Segment Description (Proc Industrial Processes/ Minera	• 1 /	`	•
		·	
2. Source Classification Code 3-05-020-99	e (SCC):	3. SCC Units	s: Tons Processed
4. Maximum Hourly Rate: 35 (Wet Basis)	5. Maximum 306,600 (V	Annual Rate: Vet Basis)	6. Estimated Annual Activity Factor: N/A
7. Maximum % Sulfur: N/A	8. Maximum % Ash: N/A		9. Million Btu per SCC Unit: N/A
10. Segment Comment (limit t	to 200 characters):	
Dust Collector 4 (DC-4) vent flow from Silo SS-1 to Silo S	•		Silo SS-3. Piping connects air
•		•	

DEP Form No. 62-210.900(3) – Form

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: PM		2. Pollutant Regulatory Code: EL				
3. Primary Control Device Code: 017	4. Secondary Code: N/A	Control Device	5. Total Percent Efficiency of Control: N/D			
6. Potential Emissions: 0.89 lb/hour 3.89 tons/year			7. Synthetically Limited? []			
8. Emission Factor: 0.022 gr/dscf Reference: 40 CFR 60.672(a)			9. Emissions Method Code: 0			
10. Calculation of Emissions (limit to 600 characters): (0.022 gr/dscf) x (4,704 dscf/min) x (60 min/hr) x (1 lb PM/7000 gr) = 0.89 lb PM/hr (0.89 lb PM/hr) x (8760 hr/yr) x (1 ton/2000 lbs) = 3.89 tons PM/yr						
		· · · · · · · · · · · · · · · · · · ·				
11. Pollutant Potential Emissions Comment (limit to 200 characters): None.						

Allowable Emissions 1 of 1

 Basis for Allowable Emissions Code: Rule 	2. Future Effective Date of Allowable Emissions: N/A		
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions: 0.89 lb/hour 3.89 tons/year		
0.022 gr/dscf			
5. Method of Compliance (limit to 60 character	rs): EPA Method 5		
5. Method of Compliance (limit to 60 character	rs): EPA Method 5		
6. Allowable Emissions Comment (Desc. of O		to 200 characters):	
		to 200 characters):	
6. Allowable Emissions Comment (Desc. of O		to 200 characters):	

45

DEP Form No. 62-210.900(3) - Form

[E.U. 005: Storage Silos]

E. VISIBLE EMISSIONS INFORMATION (Only Emissions Units Subject to a VE Limitation)

<u>Visible Emissions Limitation:</u> Visible Emissions Limitation <u>1</u> of <u>1</u>

1. Visible Emissions Subtype: VE07	2. Basis for Allowable Opacity:
	[X] Rule [] Other
3. Requested Allowable Opacity:	
	cceptional Conditions: %
Maximum Period of Excess Opacity Allow	ed: min/hour
4) (1 1 CG 1 1 TD 1 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
4. Method of Compliance: EPA Method 9	
	•
5. Visible Emissions Comment (limit to 200 c	haracters):
Per 40 CFR 60.672—Applies to storage silos	·
Visible Emissions Limitation: Visible Emiss	ions Limitation <u>N/A</u> of <u>N/A</u>
1. Visible Emissions Subtype: N/A	2. Basis for Allowable Opacity: N/A
	[] Rule [] Other
3. Requested Allowable Opacity: N/A	
· -	
Normal Conditions: % Ex	cceptional Conditions:
· -	•
Normal Conditions: % Ex Maximum Period of Excess Opacity Allow	•
Normal Conditions: % Ex	•
Normal Conditions: % Ex Maximum Period of Excess Opacity Allow	•
Normal Conditions: % Ex Maximum Period of Excess Opacity Allow 4. Method of Compliance: N/A	ed: min/hour
Normal Conditions: % Ex Maximum Period of Excess Opacity Allow 4. Method of Compliance: N/A	ed: min/hour
Normal Conditions: % Ex Maximum Period of Excess Opacity Allow 4. Method of Compliance: N/A	ed: min/hour
Normal Conditions: % Ex Maximum Period of Excess Opacity Allow 4. Method of Compliance: N/A	ed: min/hour
Normal Conditions: % Ex Maximum Period of Excess Opacity Allow 4. Method of Compliance: N/A	ed: min/hour

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section 4 of 7 [E.U. 005: Storage Silos]

F. CONTINUOUS MONITOR INFORMATION (Only Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System: Continuous Monitor N/A of N/A

1.	Parameter Code: N/A	2. Pollutant(s): N/A
3.	CMS Requirement: N/A	[] Rule [] Other
4.	Monitor Information: N/A Manufacturer: N/A Model Number: N/A	Serial Number: N/A
5.	Installation Date: N/A	6. Performance Specification Test Date: N/A
7.	Continuous Monitor Comment (limit to 200	characters): N/A

DEP Form No. 62-210.900(3) – Form

[E.U. 005: Storage Silos]

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1.	Process Flow Diagram
	[X] Attached, Document ID: Supporting Documentation [] Not Applicable
	[] Waiver Requested
2.	Fuel Analysis or Specification
	[] Attached, Document ID: [X] Not Applicable [] Waiver Requested
3.	Detailed Description of Control Equipment
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested
4.	Description of Stack Sampling Facilities
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested
5.	Compliance Test Report
	[] Attached, Document ID:
	[] Previously submitted, Date:
	[X] Not Applicable
6.	Procedures for Startup and Shutdown
	[] Attached, Document ID: [X] Not Applicable [] Waiver Requested
7.	Operation and Maintenance Plan
	[] Attached, Document ID: [X] Not Applicable [] Waiver Requested
8.	Supplemental Information for Construction Permit Application
	[X] Attached, Document ID: Supporting Documentation [] Not Applicable
9.	Other Information Required by Rule or Statute
	[] Attached, Document ID: [X] Not Applicable
10.	Supplemental Requirements Comment: N/A
	•

48

Emissions Unit Information Section 5 of 7 [No. I.D.: Fugitive Emissions—Enclosed Building] III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

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.							
1 - 7	mation Section addresses, as a s its and activities which produce	ingle emissions unit, one or more fugitive emissions only.					
2. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Fugitive Emissions—Enclosed Building							
3. Emissions Unit Identification ID:	on Number:	[X] No ID [] ID Unknown					
4. Emissions Unit Status Code: A	5. Initial Startup Date: ~1998	6. Emissions Unit Major Group SIC Code: 14					
7. Emissions Unit Comment: Fugitive emissions from various from variou	(Limit to 500 Characters) ous sources within the enclosed	d building.					
·							

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section 5 of 7 [No. I.D.: Fugitive Emissions—Enclosed Building] Emissions Unit Control Equipment

1. Control Equipment/Method Description (limit to 200 characters per device or method						or method):	l) :	
N/A								
			,					
		,					•	•
			·	•				
	•							

2. Control Device or Method Code(s): N/A

Emissions Unit Details

1. Package Unit: N/A
Manufacturer: N/A
Model Number: N/A

2. Generator Nameplate Rating:
N/A MW

3. Incinerator Information: N/A
Dwell Temperature:
N/A °F
Dwell Time:
N/A seconds
Incinerator Afterburner Temperature:
N/A°F

Emissions Unit Operating Capacity and Schedule

1. Maximum H	eat Input Rate:	N/A mmBtu/hr	•
2. Maximum Ir	ncineration Rate:	N/A lb/hr	N/A tons/day
3. Maximum P	rocess or Throughput R	ate: 35 TPH Wet Limesto	ne
4. Maximum P	roduction Rate: N/A		
5. Requested N	Saximum Operating Sch	edule:	
	24	hours/day	7 days/week
	52	weeks/year	8760 hours/year
6 Operating C	anacity/Schedule Comm	ent (limit to 200 characters	· ·

6. Operating Capacity/Schedule Comment (limit to 200 characters):

• Maximum Process Rate:

Maximum throughput of limestone drying and processing facility is 35 tph (monthly average basis) and 306,600 tons per 12 consecutive month period.

DEP Form No. 62-210.900(3) - Form

[No. I.D.: Fugitive Emissions—Enclosed Building]

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1. Identification of Point on Pl Flow Diagram? N/A	ot Plan or	2. Emission Po	oint Type Code: 4		
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):					
Fugitive emissions from vario	us sources in er	iclosed building.			
4. ID Numbers or Description	s of Emission Ui	nits with this Emi	ssion Point in Common: N/A		
5. Discharge Type Code: F	6. Stack Height: N/A feet		7. Exit Diameter: N/A feet		
8. Exit Temperature: 77°F	Rate:	umetric Flow acfm	10. Water Vapor: N/A %		
11. Maximum Dry Standard Flo N/A dscfm	ow Rate:	12. Nonstack Er	nission Point Height: ~79 feet		
13. Emission Point UTM Coord	linates: Not Det	termined	· /		
Zone: E	ast (km):	Nortl	h (km):		
14. Emission Point Comment (imit to 200 char	acters):			
The highest point of the building is approximately 79 feet tall and is located towards the middle of the building. The west end of the building stands ~45 ft tall, while the east end of the building stands ~36 feet tall.					

51

DEP Form No. 62-210.900(3) - Form

[No. I.D.: Fugitive Emissions—Enclosed Building]

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 1

ocess/Fuel Type)	(limit to 500 ch	haracters):	
• • •	`	•	
all I to a decision of the	no Quarrymg	Troobsing Contract	
		•	
1- (000).	12 COC II-:4	A	_
` '	3. SCC Unit		
	<u> </u>	Tons Processed	
5. Maximum	Annual Rate:	6. Estimated Annual Activity	7
306,600 (Wet Basis)_	Factor: N/A	
8. Maximum	% Ash:	9. Million Btu per SCC Unit	:
N	7/A	N/A	
to 200 characters	s):		
,			
		•	
	de (SCC): 5. Maximum 306,600 (8. Maximum N	de (SCC): 3. SCC Uni 5. Maximum Annual Rate: 306,600 (Wet Basis)	5. Maximum Annual Rate: 6. Estimated Annual Activity 306,600 (Wet Basis) Factor: N/A 8. Maximum % Ash: 9. Million Btu per SCC Unit: N/A N/A

Emissions Unit Information Section 5 of 7
[No ID: Fugitive Emissions—Enclosed Building]
Pollutant Detail Information Page 1 of 1

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: PM 2. Pollutant Reg		ulato	ory Code: EL	
3. Primary Control Device	4. Secondary Control Device		5.	Total Percent Efficiency
Code: N/A	Code: N/A			of Control: N/D
6. Potential Emissions:			7.	Synthetically Limited?
0.61 lb/hour 2.6	7 tons/year			
8. Emission Factor: 0.0054 l	b PM/ton (terti	ary crushing)	9.	Emissions Method Code:
0.0030 lb PM/ton (uncontro	lled conveyor t	ransfer point)		3
0.0030 lb PM/ton (feed bin to	feed table)	_		•
Reference: AP-42, Table 11.1	19.2-2 (tertiary	crushing.		
uncontrolled conveyor trans	•	, , ,		•
, * · · · · · · · · · · · · · · · · · ·				
FIRE 6.25				<u>.</u>
10. Calculation of Emissions (limit to 600 cha	racters):		
• For crusher:		•		
(0.0054 lb PM/ton) x (35 tons/hour	-	02 4 DB#/		
(0.19 lb PM/hr) x (8760 hr/yr) x (1 • For conveyor belts:	ton/2000 ibs) = 0.	83 tons Plv1/yr		
2 x (0.0030 lb PM/ton) x (35 tons/h	our) = 0.21 lb PM	/hr		
$(0.21 \text{ lb PM/hr}) \times (8760 \text{ hr/yr}) \times (1$				
• For feed hin to feed table:	·			
$(0.003 \text{ lb PM/ton}) \times (35 \text{ tons/hr}) =$	0.21 lb PM/hr /	0,105 0,4599		
$(0.21 \text{ lb PM/hr}) \times (8760 \text{ hr/yr}) \times (1 \text{ ton/2000 lbs}) = 0.92 \text{ tons PM/yr}$				
11. Pollutant Potential Emission				
uncontrolled tertiary crushing	ng was used to j	provide a conserv	vativ	ve estimate for
particulate emissions from the	ie crusher. The	e emission factor	for	screen/convey/handling
was used as the emission fact	tor for the feed	bin to feed table.		

Allowable Emissions N/A of N/A

N/A	sis for Allowable Emissions Code: 2. Future Effective Date of Allowable Emissions: N/A			
3. Requested Allowable Emissions and Units: N/A	4. Equivalent Allows N/Alb/hour	able Emissions: N/A tons/year		
5. Method of Compliance (limit to 60 characters): N/A				

DEP Form No. 62-210.900(3) - Form

[No I.D.: Fugitive Emissions—Enclosed Building]

E. VISIBLE EMISSIONS INFORMATION (Only Emissions Units Subject to a VE Limitation)

Visible Emissions Limitation: Visible Emissions Limitation 1 of 2

I.	Visible Emissions Subtype: VE00	2. Basis for Allowable O	pacity:
		[X] Rule	[] Other
3.	Requested Allowable Opacity: Normal Conditions: 0% Ex Maximum Period of Excess Opacity Allowers	cceptional Conditions: ed:	0% 0 min/hour
4.	Method of Compliance: EPA Method 22		
5.	Visible Emissions Comment (limit to 200 c	haracters):	
Pe	r 40 CFR 60.672(e)		•
			•
			<u></u>
<u>Vi</u>	sible Emissions Limitation: Visible Emissi	ons Limitation N/A of N/A	•
1.	Visible Emissions Subture: N/A	0 7 1 0 11 11 0	
1	visible Ellissions Subtype, IVA	2. Basis for Allowable O	pacity: N/A
	Visible Emissions Subtype: N/A	2. Basis for Allowable O	pacity: N/A [] Other
3.	Requested Allowable Opacity: N/A	[] Rule	•
	Requested Allowable Opacity: N/A Normal Conditions: % Ex	[] Rule	Other %
	Requested Allowable Opacity: N/A Normal Conditions: % Ex Maximum Period of Excess Opacity Allower	[] Rule sceptional Conditions: ed:	Other %

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section <u>5</u> of <u>7</u> [No I.D.: Fugitive Emissions—Enclosed Building]

F. CONTINUOUS MONITOR INFORMATION (Only Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System: Continuous Monitor N/A of N/A

1.	Parameter Code: N/A	2. Pollutant(s): N/A
3.	CMS Requirement: N/A	[] Rule [] Other
4.	Monitor Information: N/A	
	Manufacturer: N/A Model Number: N/A	Serial Number: N/A
5.	Installation Date: N/A	6. Performance Specification Test Date:
		N/A
7.	Continuous Monitor Comment (limit to 200	characters): N/A
	•	

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section 5 of 7 [No I.D.: Fugitive Emissions—Enclosed Building] G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1.	Process Flow Diagram			
	[X] Attached, Document ID: Supporting Documentation	[]	Not Applicable
	[] Waiver Requested			
2.	Fuel Analysis or Specification			
	[] Attached, Document ID:[X] Not Applicable	[]	Waiver Requested
3.	Detailed Description of Control Equipment			
	[] Attached, Document ID: [X] Not Applicable	[]	Waiver Requested
4.	Description of Stack Sampling Facilities			
	[] Attached, Document ID: [X] Not Applicable	[]	Waiver Requested
5.	Compliance Test Report			
	[] Attached, Document ID:			
	[] Previously submitted, Date:			
	[X] Not Applicable			
6.	Procedures for Startup and Shutdown			
	[] Attached, Document ID: [X] Not Applicable	[]	Waiver Requested
7.	Operation and Maintenance Plan	[]	Waiver Requested
7.				······································
7.	Operation and Maintenance Plan [] Attached, Document ID: [X] Not Applicable	[······································
	Operation and Maintenance Plan [] Attached, Document ID: [X] Not Applicable	 []	······································
8.	Operation and Maintenance Plan [] Attached, Document ID: [X] Not Applicable Supplemental Information for Construction Permit Application [X] Attached, Document ID:_Supporting Documentation Other Information Required by Rule or Statute	 []	Waiver Requested
8.	Operation and Maintenance Plan [] Attached, Document ID: [X] Not Applicable Supplemental Information for Construction Permit Application [X] Attached, Document ID: Supporting Documentation	 []	Waiver Requested
8. 9.	Operation and Maintenance Plan [] Attached, Document ID: [X] Not Applicable Supplemental Information for Construction Permit Application [X] Attached, Document ID:_Supporting Documentation Other Information Required by Rule or Statute	 []	Waiver Requested
8. 9.	Operation and Maintenance Plan [] Attached, Document ID: [X] Not Applicable Supplemental Information for Construction Permit Application [X] Attached, Document ID: Documentation Other Information Required by Rule or Statute [] Attached, Document ID: [X] Not Applicable	 []	Waiver Requested
8.	Operation and Maintenance Plan [] Attached, Document ID: [X] Not Applicable Supplemental Information for Construction Permit Application [X] Attached, Document ID: Documentation Other Information Required by Rule or Statute [] Attached, Document ID: [X] Not Applicable	 []	Waiver Requested
8.	Operation and Maintenance Plan [] Attached, Document ID: [X] Not Applicable Supplemental Information for Construction Permit Application [X] Attached, Document ID: Documentation Other Information Required by Rule or Statute [] Attached, Document ID: [X] Not Applicable	 []	Waiver Requested
8.	Operation and Maintenance Plan [] Attached, Document ID: [X] Not Applicable Supplemental Information for Construction Permit Application [X] Attached, Document ID: Documentation Other Information Required by Rule or Statute [] Attached, Document ID: [X] Not Applicable	 []	Waiver Requested

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section 6 of 7 [No I.D.: Fugitive Emissions—Outside Building] III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

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).					
process or production uni	[] 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.				
{ ·	nation Section addresses, as a sin ts and activities which produce fu				
2. Description of Emissions U Fugitive Emissions—Outside	nit Addressed in This Section (lin Building	nit to 60 characters):			
3. Emissions Unit Identification ID:	on Number:	[X] No ID [] ID Unknown			
4. Emissions Unit Status Code: A	5. Initial Startup Date: ~1998	6. Emissions Unit Major Group SIC Code: 14			
7. Emissions Unit Comment: (Fugitive Emissions from outs	`				
	•				
}					
		· ·			
		•			

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section <u>6</u> of <u>7</u> [No I.D.: Fugitive Emissions—Outside Building] <u>Emissions Unit Control Equipment</u>

1. N /A	Control Equipment/Method Description (limit to 200 characters per device or method):	
,		
2.	Control Device or Method Code(s): N/A	

Emissions Unit Details

1.	Package Unit: N/A Manufacturer: N/A	Model Number: N/A		
2.	Generator Nameplate Rating:	N/A MW		
3.	Incinerator Information: N/A			-
	Dwell Tempera	ture:	N/A °F	İ
	Dwell T	ime:	N/A seconds	
	Incinerator Afterburner Tempera	ture:	N/A°F	

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input I	Rate: N/A mmBtu/h	ır
2. Maximum Incineration	Rate: N/A lb/hr	N/A tons/day
3. Maximum Process or T	Chroughput Rate: 120 TPH Wet Lin	mestone
4. Maximum Production	Rate: N/A	
5. Requested Maximum (Operating Schedule:	
	24 hours/day	7 days/week
	52 weeks/year	8760 hours/year
Maximum throughput of average basis); therefore	hedule Comment (limit to 200 characteristics) head of the maximum annual process rate	facility is 35 tph (monthly
average basis); therefore consecutive month period	<u>-</u>	e is 300,000 tons per

DEP Form No. 62-210.900(3) - Form

[No I.D.: Fugitive Emissions—Outside Building]

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1.	Flow Diagram? N/A		2. Emission Po	int Type Code: 4		
3.	3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):					
	Load Hopper (LH-1), Belt Conveyor (BC-1), Crusher (CR-01—Proposed new), Feed Bin (BN-1)					
4.	ID Numbers or Descriptions	s of Emission Ur	nits with this Emi	ssion Point in Common: N/A		
5.	Discharge Type Code: F	6. Stack Height N/A	ht: A feet	7. Exit Diameter: N/A feet		
8.	Exit Temperature: N/A °F	Rate:	umetric Flow	10. Water Vapor: N/A %		
11.	Maximum Dry Standard Flo N/A dscfm			nission Point Height: ~71 feet		
13.	Emission Point UTM Coord	linates: Not Det	ermined			
	Zone: E	ast (km):	Nortl	n (km):		
14. Emission Point Comment (limit to 200 characters): Non-stack height is the height of the crusher from ground level.						

59

DEP Form No. 62-210.900(3) – Form

[No I.D.: Fugitive Emissions—Outside Building]

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Proc Industrial Processes/ Minera	• • •	•	•
2. Source Classification Code	e (SCC):	3. SCC Units:	
3-05-020-99			Tons Processed
4. Maximum Hourly Rate:	5. Maximum	Annual Rate:	6. Estimated Annual Activity
120 (Wet Basis)	306,600 (V	Vet Basis)	Factor: N/A
7. Maximum % Sulfur:	8. Maximum ^o	% Ash:	9. Million Btu per SCC Unit:
N/A	N /	' A	N/A
10. Segment Comment (limit t	to 200 characters):	
None.			
•			
,			
•			

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section 6 of 7
[No ID: Fugitive Emissions—Outside Building]
Pollutant Detail Information Page 1 of 1

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: PM	2. Pollutant Reg	gulatory Code: EL		
3. Primary Control Device 4. Se	econdary Control Device	5. Total Percent Efficiency		
Code: N/A	ode: N/A	of Control: N/D		
6. Potential Emissions:		7. Synthetically Limited?		
2.09 lb/hour 2.66 ton	s/year	[]		
8. Emission Factor: 0.0054 lb PM/	ton (tertiary crushing)	9. Emissions Method Code:		
0.0030 lb PM/ton (front end loade	er, hopper, uncontrolled	3		
conveyor transfer point, feed bin)				
Reference: AP-42, Table 11.19.2-2	(tertiary crushing.			
uncontrolled conveyor transfer po				
FIRE 6.25				
10. Calculation of Emissions (limit to 600 characters):				
For Crusher to feed bin: -10 Blottomb				
$(0.0054 \text{ lb PM/ton}) \times (120 \text{ tons/hr}) = 0.65 \text{ lb PM/hr}$				
$(0.0054 \text{ lb PM/ton}) \times (306,600 \text{ tons/yr}) \times (1 \text{ ton/2000 lbs}) = 0.83 \text{tons PM/yr}$				
For front end loader to hopper, hopper to belt conveyor, belt conveyor to feed bin, belt conveyor to				
crusher:	1 12 4	· · · · · · · · · · · · · · · · · · ·		
$4 \times (0.0030 \text{ lb PM/ton}) \times (120 \text{ tons/hr}) = 1$				
4 x (0.0030 lb PM/ton) x (306,600 tons/yr)	x (1 ton/2000 lbs) = 1.83 tons f	'M/yr		
11. Pollutant Potential Emissions Co	mment (limit to 200 charac	eters): Emission factor for		
uncontrolled tertiary crushing was	•			
particulate emissions from the cru	-			
was used as the emission factor for		· ·		
	The state of the s			

Allowable Emissions N/A of N/A

1. Basis for Allowable Emissions Code: N/A	2. Future Effective Da Emissions: N/A	te of Allowable
3. Requested Allowable Emissions and Units: N/A	4. Equivalent Allowab N/A lb/hour	le Emissions: N/A tons/year
5. Method of Compliance (limit to 60 character	s): N/A	
6. Allowable Emissions Comment (Desc. of Op N/A	perating Method) (limit to	200 characters):

DEP Form No. 62-210.900(3) - Form

[No ID: Fugitive Emissions—Outside Building]

E. VISIBLE EMISSIONS INFORMATION

(Only Emissions Units Subject to a VE Limitation)

<u>Visible Emissions Limitation:</u> Visible Emissions Limitation <u>1</u> of <u>2</u>

1. Visible Emissions Subtype: VE10	2. Basis for Allowable	Opacity:
	[X] Rule	[] Other
3. Requested Allowable Opacity:		
Normal Conditions: 10%	Exceptional Conditions:	10%
Maximum Period of Excess Opacity All	owed:	0 min/hour
4. Method of Compliance: EPA Method 9		
4. Method of Comphance. El A Method 9		
5. Visible Emissions Comment (limit to 20	•	
Per 40 CFR 60.672, this emissions limit ap		
equipment, except for crushers, subject to	o 40 CFR 60, Subpart OOO	outside of the
enclosed building.		
		•
Visible Emissions Limitation: Visible Em	sissions I imitation 2 of 2	
1. Visible Emissions Subtype: VE15	2. Basis for Allowable	• •
2. Parameted Allered 11. Over 14.	[X] Rule	[] Other
3. Requested Allowable Opacity: Normal Conditions: 15%	Executional Conditional	15%
	Exceptional Conditions:	0 min/hour
Maximum Period of Excess Opacity All	owed:	o mm/nour
4. Method of Compliance: EPA Method 9)	
,		
	· · · · · · · · · · · · · · · · · · ·	
5. Visible Emissions Comment (limit to 20	•	
Per 40 CFR 60.672, this emissions limit ap		o 40 CFR 60,
Subpart OOO outside of the enclosed bui	lding.	
	•	
	•	:

62

DEP Form No. 62-210.900(3) – Form

[No ID: Fugitive Emissions—Outside Building]

F. CONTINUOUS MONITOR INFORMATION (Only Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System: Continuous Monitor N/A of N/A

1.	Parameter Code: N/A	2. Pollutant(s): N/A
3.	CMS Requirement: N/A	[] Rule [] Other
4.	Monitor Information: N/A Manufacturer: N/A Model Number: N/A	Serial Number: N/A
5.	Installation Date: N/A	6. Performance Specification Test Date: N/A
7.	Continuous Monitor Comment (limit to 200	characters): N/A

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section 6 of 7 [No ID: Fugitive Emissions—Outside Building]

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1.	Process Flow Diagram			•
	[X] Attached, Document ID: Supporting Documentation	[]	Not Applicable
	[] Waiver Requested	_		_ · .
2.	Fuel Analysis or Specification			
	[] Attached, Document ID: [X] Not Applicable	[]	Waiver Requested
3.	Detailed Description of Control Equipment			
	[] Attached, Document ID: [X] Not Applicable	[]	Waiver Requested
4.	Description of Stack Sampling Facilities			.
	[] Attached, Document ID: [X] Not Applicable	[]	Waiver Requested
5.	Compliance Test Report			
	[] Attached, Document ID:			
	[] Previously submitted, Date:			
	[X] Not Applicable			
6.	Procedures for Startup and Shutdown			
	[] Attached, Document ID:[X] Not Applicable	[]	Waiver Requested
7.	Operation and Maintenance Plan			
	[] Attached, Document ID: [X] Not Applicable	[]	Waiver Requested
8.	Supplemental Information for Construction Permit Application			
	[X] Attached, Document ID: Supporting Documentation	[]	Not Applicable
9.	Other Information Required by Rule or Statute			
	[] Attached, Document ID: [X] Not Applicable			
10.	Supplemental Requirements Comment: N/A			
	·			

64

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section 7 of 7 [No ID: Truck Loading Activities]

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

1.	1. Type of Emissions Unit Addressed in This Section: (Check one)				
[X	[X] 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).				
]	process or production uni	rmation Section addresses, as a s ts and activities which has at leas so produce fugitive emissions.			
[ormation Section addresses, as a on units and activities which produced to the	•		
	2. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Truck Loading Activities				
3.	Emissions Unit Identification ID:	on Number:	[X] No ID [] ID Unknown		
4.	Emissions Unit Status Code: A	5. Initial Startup Date: ~1998	6. Emissions Unit Major Group SIC Code: 14		
7. Er 2)	Emissions Unit Comment: onissions from truck loading	(Limit to 500 Characters) g activities. Emissions are cont	rolled by dust collector 2 (DC-		

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section 7 of 7 [No ID: Truck Loading Activities] Emissions Unit Control Equipment

1	Control Equipment/Method Description (limit to	o 200 c	characters pe	r device or	method):
Fal	oric Filter—Medium Temperature (180°F < T	< 250	°F)		

2. Control Device or Method Code(s): 017

. Emissions Unit Details

1.	Package Unit: N/A Manufacturer: N/A	Model Number: N/A	
2.	Generator Nameplate Rating:	N/A MW	
3.	Incinerator Information: N/A		
Dwell Temperature:		N/A °F	
Dwell Time:		N/A seconds	
	Incinerator Afterburner Temperature:		N/A° F

Emissions Unit Operating Capacity and Schedule

1.	Maximum Heat Input Rate:	N/A mmBtu/hr	
2.	Maximum Incineration Rate:	N/A lb/hr	N/A tons/day
3.	Maximum Process or Throughput Ra	ate: 108 TPH product	
4.	Maximum Production Rate: N/A		
5.	Requested Maximum Operating Sch	edule:	
	24	hours/day	7 days/week
	52	weeks/year	8760 hours/year

6. Operating Capacity/Schedule Comment (limit to 200 characters):

• Maximum Process Rate:

Maximum process or throughput of truck loading activities is 108 tph of 306,600 tons per 12 consecutive month period.

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section $\underline{7}$ of $\underline{7}$

[No ID: Truck Loading Activities]

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram? FA-2		2. Emission Po	oint Type Code: 1	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):				
Fan outlet from dust collector	2 (DC-2)		•	
·	· <u>·</u>	-		
4. ID Numbers or Descriptions	s of Emission Ur	nits with this Emi	ssion Point in Common: N/A	
5. Discharge Type Code:	6. Stack Heigh		7. Exit Diameter:	
H	N/A	feet	N/A feet	
8. Exit Temperature:	9. Actual Vol	umetric Flow	10. Water Vapor:	
N/A °F	Rate:	0	~2 %	
11. Maximum Dry Standard Flo		0 acfm 12 Nonstack Er	mission Point Height:	
10,035 dscfm		12, Trondeadir El	~14 feet	
13. Emission Point UTM Coord	linates: Not Det	ermined		
Zone: E	ast (km):	Nort	h (km):	
14. Emission Point Comment (1	imit to 200 char	acters):	^	
12,800 acfm x (1-0.02) x[(68 + 460)/(200 + 460)] = 10,035 dscfm				
Also see EU 003: Screening/N	Iaterial Handli	ng.		
			•	
	•			

67.

DEP Form No. 62-210.900(3) – Form

[No ID: Truck Loading Activities]

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 1

_	ment Description (Proc	* * *	?		ters): ocessing/ Truck Unloading
2. Sou	rce Classification Code	e (SCC):	3. SCC Units	:	
<u>. </u>	3-05-020-31			T	ons Product
4. Ma:	ximum Hourly Rate:	5. Maximum A	Annual Rate:	6.	Estimated Annual Activity
	108	306,	600]	Factor: N/A
7. Max	ximum % Sulfur:	8. Maximum ⁹	% Ash:	9.	Million Btu per SCC Unit:
	N/A	N/	A		· N/A
10. Seg	ment Comment (limit t	o 200 characters):		
					•
					,
				٠	
			•		

Emissions Unit Inform n Section 7 of 7 [No ID: Truck Loading Activities]

Pollutant Detail Information Page 1 of 1

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

2. Pollutant Re	gulatory Code: EL
4. Secondary Control Device Code: N/A	5. Total Percent Efficiency of Control: N/D
See EU 003 tons/year	7. Synthetically Limited? []
gr/dscf R 60.672(a)	9. Emissions Method Code: 5
(limit to 600 characters):	
•	
ions Comment (limit to 200 chara ding operations both are collected	•
	4. Secondary Control Device Code: N/A See EU 003 tons/year gr/dscf R 60.672(a) (limit to 600 characters):

Allowable Emissions 1 of 1

2. Future Effective Date of Allowable
Emissions: N/A
4. Equivalent Allowable Emissions:
lb/hour tons/year
rs):
perating Method) (limit to 200 characters): adding operations both are collected from

69

DEP Form No. 62-210.900(3) - Form

Emissions Unit Inform. on Section 7 of 7

[No ID: Truck Loading Activities]

E. VISIBLE EMISSIONS INFORMATION (Only Emissions Units Subject to a VE Limitation)

<u>Visible Emissions Limitation:</u> Visible Emissions Limitation <u>1</u> of <u>2</u>

1. Visible Emissions Subtype: VE07	2. Basis for Allowable	Opacity:
	[X] Rule	[] Other
3. Requested Allowable Opacity: Normal Conditions: 7% E Maximum Period of Excess Opacity Allow	xceptional Conditions: /ed:	% min/hour
4. Method of Compliance: EPA Method 9		,
5. Visible Emissions Comment (limit to 200	characters):	
40 CFR 60.672(a)—enclosed truck loading s	•	
,		
	·	٠.
L		
Visible Emissions Limitation: Visible Emiss	sions Limitation 2 of 2	
1. Visible Emissions Subtype: VE10	2. Basis for Allowable	Opacity:
	[X] Rule	[] Other
3. Requested Allowable Opacity: Normal Conditions: 10% E Maximum Period of Excess Opacity Allow	xceptional Conditions: ved:	% min/hour
4. Method of Compliance: EPA Method 9		
5. Visible Emissions Comment (limit to 200	characters): Per 40 CFR	60.672(b)—Enclosed
truck loading station.		
		•
		•
	•	

DEP Form No. 62-210.900(3) – Form

Emissions Unit Inform on Section 7 of 7 [No ID: Truck Loading Activities]

F. CONTINUOUS MONITOR INFORMATION (Only Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System: Continuous Monitor N/A of N/A

1.	Parameter Code: N/A	2. Pollutant(s): N/A
3.	CMS Requirement: N/A	[] Rule [] Other
4.	Monitor Information: N/A	
	Manufacturer: N/A	
	Model Number: N/A	Serial Number: N/A
5.	Installation Date: N/A	6. Performance Specification Test Date:
		N/A
7.	Continuous Monitor Comment (limit to 200	characters): N/A

DEP Form No. 62-210.900(3) - Form

Emissions Unit Inforn. on Section 7 of 7
[No ID: Truck Loading Activities]

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1.	Process Flow Diagram			
	[X] Attached, Document ID: Supporting Documentation	[]	Not Applicable
	[] Waiver Requested			
2.	Fuel Analysis or Specification			
	[] Attached, Document ID: [X] Not Applicable	[]	Waiver Requested
3.	Detailed Description of Control Equipment			
	[] Attached, Document ID: [] Not Applicable	[X]	\ \ 	Waiver Requested
4.	Description of Stack Sampling Facilities			
	[] Attached, Document ID: [] Not Applicable	[X]		Waiver Requested
5.	Compliance Test Report			`
	[] Attached, Document ID:			
	[] Previously submitted, Date:			
	[X] Not Applicable			
6.	Procedures for Startup and Shutdown			
,	[] Attached, Document ID: [X] Not Applicable	[]	Waiver Requested
7.	Operation and Maintenance Plan			
i	[] Attached, Document ID:[X] Not Applicable	[]	Waiver Requested
8.	Supplemental Information for Construction Permit Application			
£	[X] Attached, Document ID: Supporting Documentation	[]	Not Applicable
9.	Other Information Required by Rule or Statute			•
	[] Attached, Document ID: [X] Not Applicable			
10.	Supplemental Requirements Comment: N/A			
				n
				•

DEP Form No. 62-210.900(3) - Form

Consolidated Minerals, Inc. Center Hill Hi-Cal Plant Facility ID 1190018

Air Construction Permit Application

Supporting Documentation

Dust Collector 1 for Dryers EU002:

EU003: **Dust Collector 2 for Screening**

and Milling Operations

EU004: **Dust Collector 3 for Milling**

Operations

EU005: **Dust Collector 4 for Silos**

No I.D: Fugitive Emissions—Enclosed

Building

No I.D.: **Fugitive Emissions—Outside**

Building

No I.D.: **Truck Loading Activities**

PREPARED BY: **KOOGLER & ASSOCIATES, INC.**

REVISION: October 16, 2005

Table of Contents

Process Description	1
Drying Operations	
Screening Operations	
Crushing/Milling Operations	2
Product Handling Operations	
Bucket Elevator and Loadout	
Silo SS-1	
Silo SS-2	
Silo SS-3	3
Silo SS-4	3
Truck Loading Activities	4
<u>Tables & Figures</u>	
Table 1: Equipment List	5
Figure 1: Drying and Screening Operations.	6
Figure 2: Screening and Crushing/Milling Operations.	7
Figure 3: Product Handling Operations	8

Process Description

Limestone is dried and processed to produce crushed stone meeting various specifications. Processing operations include hauling, drying, crushing, screening, conveying, stockpiling, and product handling.

Drying Operations

Stockpiled material is loaded into the load hopper (LH-1). The material from the load hopper (LH-1) is then placed on a belt conveyor (BC-1). The material on the belt conveyor (BC-1) is either deposited into a feed bin (BN-1) or crushed by a crusher (CR-01) and then deposited into a feed bin (BN-1); however, these operations do not occur simultaneously.

From the feed bin (BN-1), the material is fed into the table feeder (TF-1) and loaded into the dryer (DR-1) via hopper for drying processes. The emissions from the dryer are captured by a dust collector (DC-1). Particulate matter collected in the dryer's dust collector (DC-1) is sent to the product line (LL-1) via screw conveyor (SC-1). The dust collector's gas stream is exhausted into the atmosphere (ST-1). The product line (LL-1) from the dust collector (DC-1) is blown (BL-1) into a silo (SS-3) for truck load out (LS-1).

The process flow diagram for drying operations can be seen in Figure 1. An equipment list can be seen in Table 1.

Screening Operations

Dried material from the dryer (DR-1), along with oversized material from the shaker screen (SN-1) that is screw conveyed (SC-3) and crushed via crusher (CR-02), are placed on a screw conveyor (SC-2). The screw conveyor (SC-2) deposits the material into a bucket elevator (BE-1). There is a particulate picku up point at the bottom of bucket elevator 1 (BE-1). The bucket elevator (BE-1) then delivers the material to the shaker screen (SN-1).

The shaker screen (SN-1) is a triple-deck screening system. Oversized material that does not pass through the first screen from the shaker screen (SN-1) either goes to a screw conveyor (SC-3) and gets crushed via crusher (CR-02) or is stored in a feed bin (BN-2). If the oversized material is sent to the crusher, it gets sent back to the shaker screen (SN-1) via screw conveyor (SC-2) and bucket elevator (BE-1). If the oversized material is sent to the feed bin (BN-2), then the material is fed to a belt conveyor (BC-3) and conveyed to a rotary feeder (VF-1) for the mill.

Material that does not pass the second screen of the shaker screen (SN-1) is either deposited in a feed bin (BN-2) with some of the oversized material or deposited on a belt conveyor (BC-4). If this material is deposited into the feed bin (BN-2), then the material is fed to a belt conveyor (BC-3) and conveyed to a rotary feeder (VF-1) for the mill. If the material is deposited onto a belt conveyor (BC-4), then it is dropped into a bucket elevator (BE-2) which deposits material into a silo (SS-1) for truck load out (LS-1).

Material that does not pass the third screen of the shaker screen (SN-1) is deposited into the product line (LL-3) and blown (BL-5) into a silo (SS-4) for truck load out (LS-1) or can also go to the feed bin (BN-2).

Material that passes all three screens of the shaker screen (SN-1) is deposited into the feed bin (BN-2) and fed to a belt conveyor (BC-3) and conveyed to a rotary feeder (VF-1)

Particulate matter from the screw conveyor (SC-2), bucket elevator (BE-2), belt conveyors (BC-3 and BC-4), feed bin (BN-2), and shaker screen (SN-1) are captured by a dust collector (DC-2). There is a particulate pick up point at the end of belt conveyor 4 (BC-4) that sends the particulates to dust collector 2 (DC-2). Particulate matter captured in the dust collector (DC-2) forms a product line (LL-2) and is blown into a silo (SS-3) for truck load out (LS-1). The dust collector's (DC-2) gas stream is exhausted into the atmosphere (FA-2).

The process flow diagram for screening operations can be seen in Figures 1 and 2. An equipment list can be seen in Table 1.

Crushing/Milling Operations

There are two crushers (CR-01, CR-02) and a Raymond Mill (RM-1) that comprise the crushing operations at this facility. Please refer to the drying and screening operation sections for process descriptions for Crusher 1 (CR-01) and Crusher 2 (CR-02). The process description for the Raymond Mill can be seen below.

Material is conveyed via belt conveyor (BC-3) to a variable speed rotary feeder (VF-1) for the Raymond Mill. The rotary feeder (VF-1) feeds the material into the Raymond Mill (RM-1). Particulate matter from the Raymond Mill is initially captured by a cyclone (CY-1). The cyclone (CY-1) recovers some of the material and sends it back to the Raymond Mill (RM-1) via fan (MF-1). The material in the cyclone (CY-1) is either recovered and sent back to the Raymond Mill (RM-1) via mill fan (MF-1) or enters the product line (LL-4) and is blown (BL-4) into silos (SS-2 and SS-3) for truck load out (LS-1). Airflow from MF-1 may also go to DC-2. Silos SS-2 and SS-3 do not receive material simultaneously from the Raymond Mill/DC-3.

Particulate matter from the belt conveyor (BC-3) is collected in Dust Collector 2 (DC-2). Particulate matter captured in the dust collector (DC-2) forms a product line (LL-2) and is blown into a silo (SS-3) for truck load out (LS-1). The dust collector's (DC-2) gas stream is exhausted into the atmosphere (FA-2).

Particulate matter from the mill fan (MF-1) is deposited in Dust Collector 3 (DC-3). Particulate matter captured in the dust collector (DC-3) enters the product line (LL-4) and is blown (BL-4) into a silo (SS-2 or SS-3) for truck load out (LS-1). The dust collector's (DC-3) gas stream is exhausted into the atmosphere (FA-3).

The process flow diagram for crushing/milling operations can be seen in Figures 1 and 2. An equipment list can be seen in Table 1.

Product Handling Operations

Product Handling Operations consist of four (4) silos (SS-1, SS-2, SS-3, and SS-4), screw conveyors (SC-4, SC-5), a bucket elevator (BE-2), and a load out spout (LS-1). The following are process descriptions.

Bucket Elevator and Loadout

Particulate matter emissions from the bucket elevator and load out spout (LS-1) are collected by a dust collector (DC-2). Particulate matter captured in the dust collector (DC-2) forms a product line (LL-2) and is blown into another silo (SS-3) for truck load out (LS-1). The dust collector's (DC-2) gas stream is exhausted into the atmosphere (FA-2).

Silo SS-1

Material from a bucket elevator (BE-2) is transported into a silo (SS-1). The material is then screw conveyed (SC-5) to a load out spout (LS-1) for truck loading. Particulate matter from the silo (SS-1) is sent to another silo (SS-2) via piping.

Silo SS-2

Part of Product Line 4 (LL-4) is blown (BL-4) into a silo (SS-2) from milling operations. The material is then screw conveyed (SC-5) to a load out spout (LS-1) for truck loading. Particulate matter from the silo (SS-2) is sent to another silo (SS-3) via piping.

Silo SS-3

Product Lines 1, 2, and part of 4 (LL-1, LL-2, LL-4) are blown (BL-1, BL-2, BL-4) into a silo (SS-3). In addition, particulate matter from Dust Collector 4 (DC-4) is deposited into the silo (SS-3) as well. The material is then screw conveyed (SC-5) to a load out spout (LS-1) for truck loading.

Particulate matter from the silo (SS-3) is collected by a dust collector (DC-4) and is returned back into the silo (SS-3) for material recovery. The dust collector's (DC-4) gas stream is exhausted into the atmosphere (FA-4).

Silo SS-4

Product line 2 (LL-3) is blown (BL-5) into a silo (SS-4). The material is then screw conveyed (SC-4) to another screw conveyor (SC-5), which leads to the load

out spout (LS-1) for truck loading. Particulate matter from the silo (SS-4) is sent to another silo (SS-2) via piping.

Truck Loading Activities

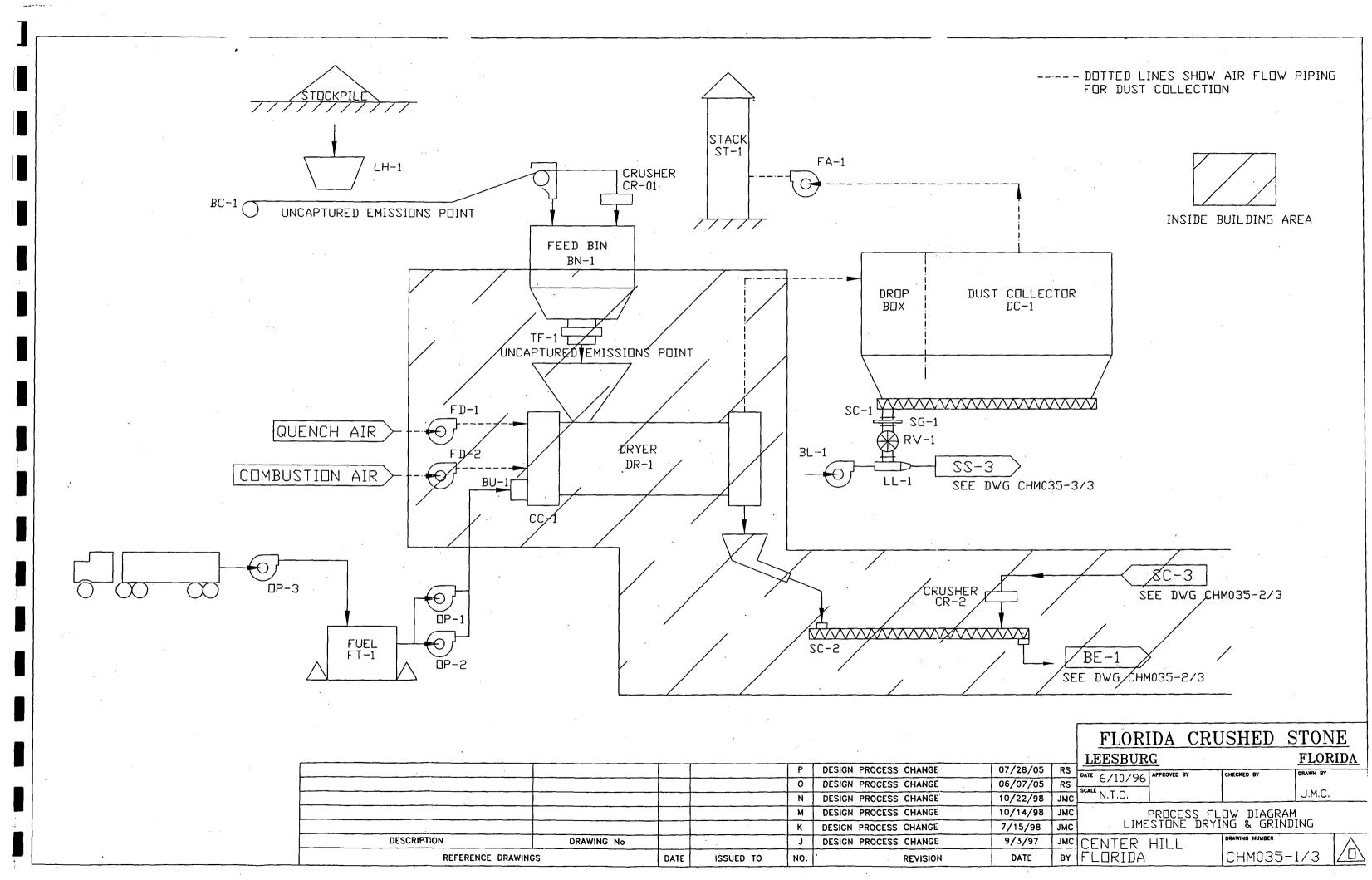
Material from the silos are screw conveyed to the load out spout (LS-1). Per the request of clients, dust oil is used on granular products. Multiple silos cannot operate simultaneously. Emissions from the silos and truck load out spout (LS-1) are collected by a baghouse (DC-2). The material is then vented to the atmosphere (FA-2).

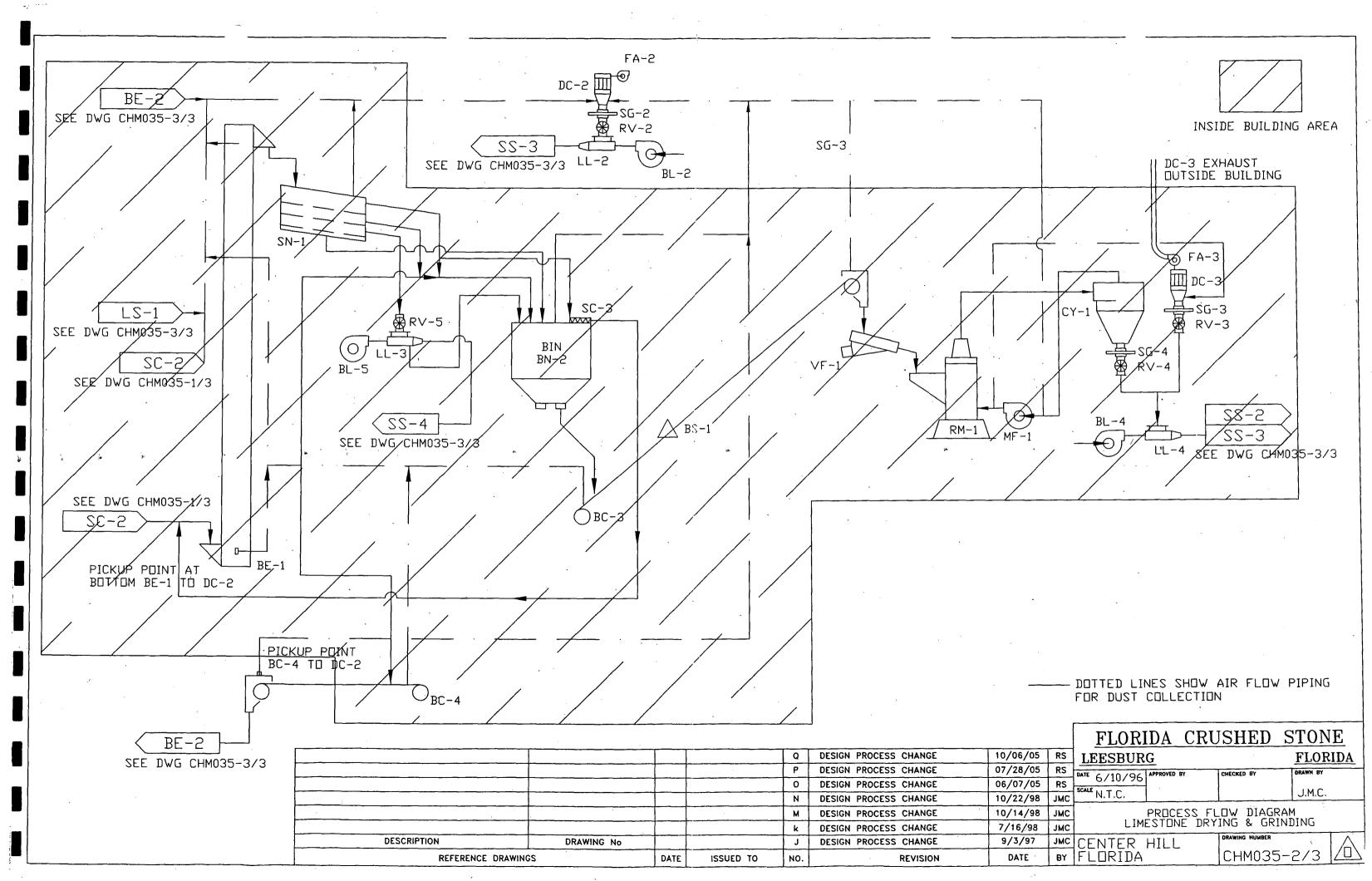
A process flow diagram for product handling operations can be seen in Figure 3. An equipment list can be seen in Table 1.

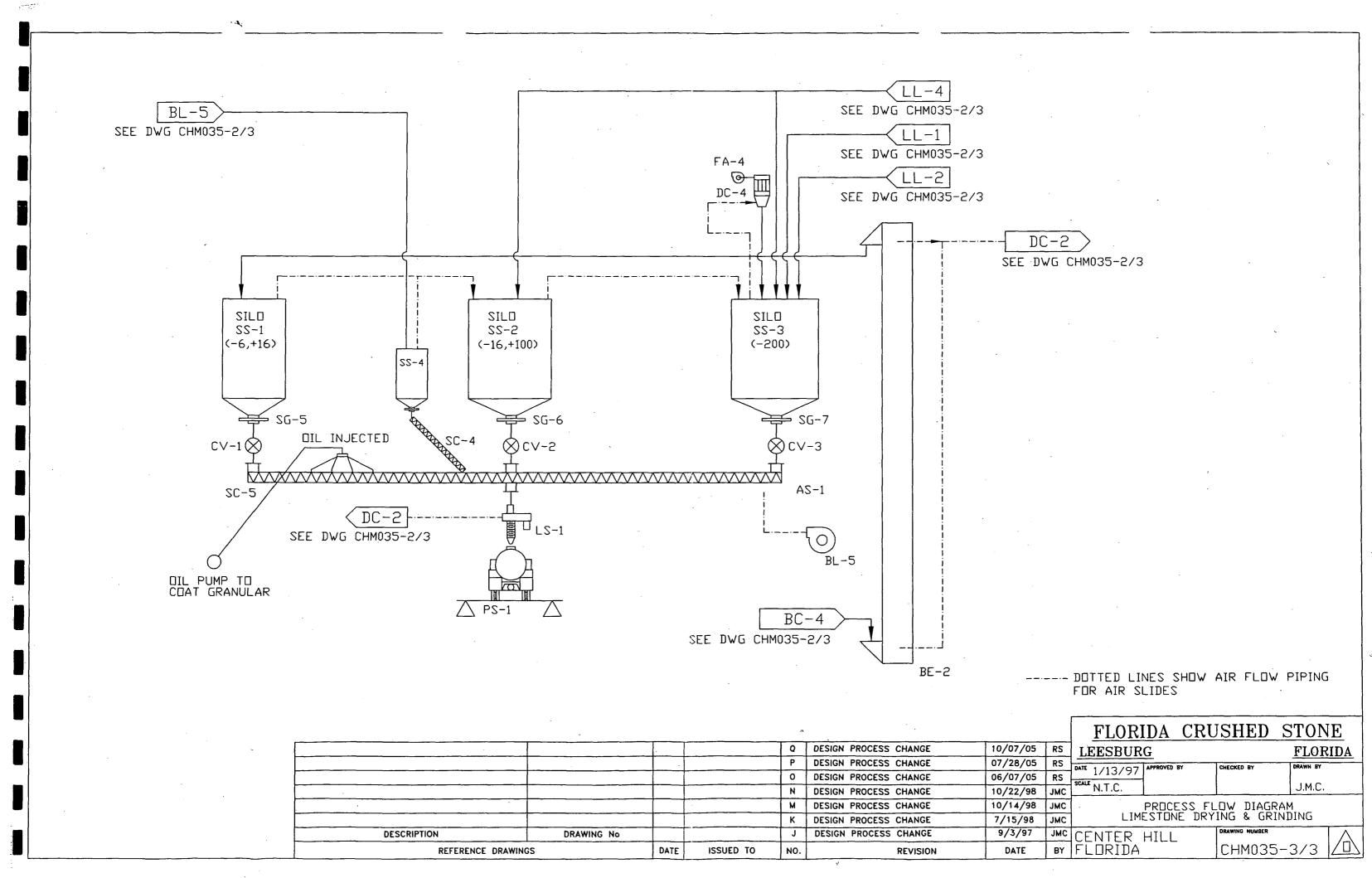
Table 1: Equipme	Table 1: Equipment List					
Item	Description	Subject 40 CFR 60, Subpart OOO				
LL-1, 2, 3, & 4	Product line	No				
SS-1, 2, 3, & 4	Silos ¹	Yes				
CV-1, 2, & 3	Control rotary valves for silos	No				
FA-1, 2, 3, & 4	Exhaust fans for dust collectors	No				
SG-1, 2, & 3	Service gates for dust collector rotary valves	No				
SG-4	Service gate for cyclone	No				
SG-5, 6, & 7	Service gates for silos	No				
LS-1	Load out spout	No				
PS-1	Truck scale	No				
RV-1, 2, & 3	Rotary valves for dust collectors	No				
RV-4	Rotary valve for cyclone	No				
RV-5	Rotary valve for shaker screen	No				
BL-1, 2	Blower for dust collector #1 & 2	No				
BL-4	Blower for mill	No				
BL-5	Blower from shaker screen to silo #4	No				
RM-1	Raymond Mill ²	No				
MF-1	Fan for Raymond Mill	No				
VF-1	Variable speed rotary feeder to mill	No				
BC-3	Belt conveyor from feed bin to mill	Yes				
BN-2	Feed bin #2	Yes				
SC-4	Screw Conveyor #4	No				
SN-1	Shaker Screen	Yes				
BE-1, 2	Bucket Elevators 1 &2	Yes				
BC-4	Belt Conveyor #4	Yes				
DC-1, 2, 3, &4	Dust Collectors Nos. 1, 2, 3, & 4	DC-1 & 3—No DC-2 & 4—Yes				
CR-1, 2	Crushers Nos. 1 & 2	Yes				
DR-1	Dryer	No				
CC-1	Combustion Chamber	No				
FD-1	Quench air fan	No				
FD-2	Combustion air fan	No				
SC-2	Screw Conveyor #2	No				
BN-1	Feed Bin #1	Yes				
TF-1	Table feeder	No				
BC-1	Belt Conveyor #1	Yes				
LH-1	Load Hopper for BC-1	Yes				
BU-1	Burner for dryer	No				
OP-1 & 2	Oil pumps for dryer	No				
OP-3	Oil pump to load fuel tank	No				
SC-1	Screw Conveyor #1	No				
CY-1	Cyclone	No				
SC-5	Screw Conveyor #5 from silo to load spout	No				
SC-3	Screw Conveyor #3 from shaker to crusher #2	No				

¹ Silos 1, 2, & 3 were constructed/reconstructed/modified prior to 8/31/1983.

² Raymond Mill was constructed/reconstructed/modified prior to 8/31/1983.









Department of Environmental Protection

Division of Air Resources Management

APPLICATION FOR AIR PERMIT - NON-TITLE V SC

See Instructions for Form No. 62-210.900(3)

I. APPLICATION INFORMATION

SOURCECIETO	
AUG 1 0 2005	11
Department of Environmental Prote	Ction
O. C.	

Identification of Facility

1.	Facility Owner/Company Name:	Consolidated Min	erals, l	Inc.	
2.	Site Name: Center Hill Hi-Cal	Plant			
3.	Facility Identification Number:	1190018	[] Unknown	
4.	Facility Location: Street Address or Other Locator:	State Road 48 We	st		
	City: Center Hill	County: Sumter		Zip Code: 33514	
5.	Relocatable Facility? [] Yes [X] No		ting Po Yes	ermitted Facility? [] No	

Application Contact

44.	Spireution Contact			
1.	Name and Title of Application Contact:	Veron	ica N. Sgro,	E.I.
2.	Application Contact Mailing Address:			
	Organization/Firm: Koogler & Associa	ites, In	е.	
	Street Address: 4014 NW 13 th Street			
	City: Gainesville	State:	FL	Zip Code: 32609
3.	Application Contact Telephone Number	s:		
	Telephone: (352) 377-5822		Fax: (352)	377-7158

Application Processing Information (DEP Use)

1. Date of Receipt of Application:	8-10-65
2. Permit Number:	1190018-012-40

1

DEP Form No. 62-210.900(3) - Form

Purpose of Application

Air Operation Permit Application

Tł	iis	Application for Air Permit is submitted to obtain: (Check one)
[]	Initial non-Title V air operation permit for one or more existing, but previously unpermitted, emissions units.
[]	Initial non-Title V air operation permit for one or more newly constructed or modified emissions units.
		Current construction permit number:
[]	Non-Title V air operation permit revision to address one or more newly constructed or modified emissions units.
		Current construction permit number:
		Operation permit number to be revised:
[]	Initial non-Title V air operation permit under Rule 62-210.300(2)(b), F.A.C., for an existing facility seeking classification as a synthetic non-Title V source.
		Current operation/construction permit number(s):
Į.]	Non-Title V air operation permit revision for a synthetic non-Title V source. Give reason for revision; e.g., to address one or more newly constructed or modified emissions units.
		Operation permit number to be revised:
		Reason for revision:
Ai	ir (Construction Permit Application
Tł	nis	Application for Air Permit is submitted to obtain: (Check one)
[X	[] <i>A</i>	ir construction permit to construct or modify one or more emissions units.
[]	Air construction permit to make federally enforceable an assumed restriction on the potential emissions of one or more existing, permitted emissions units.
Γ	1	Air construction permit for one or more existing, but unpermitted, emissions units.

Owner/Authorized Representative

1.	Name and Title of Owne	er/Authorized Representative:	Kyle Garrett,	Vice President

2. Owner/Authorized Representative Mailing Address:

Organization/Firm: Consolidated Minerals, Inc.

Street Address: 1616 S. 14th Street

City: Leesburg

State: FL

Zip Code: 34748 - 0180

3. Owner/Authorized Representative Telephone Numbers:

Telephone: (352) 365-6522

Fax: (352) 455-5553

4. Owner/Authorized Representative Statement:

I, the undersigned, am the owner or authorized representative* of the facility addressed in this 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. 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 any permitted/entissions unit.

Signature

Date

Please Sign & Date

Professional Engineer Certification

1. Professional Engineer Name: Steven C. Cullen, P.E.

Registration Number: 45188

2. Professional Engineer Mailing Address:

Organization/Firm: Koogler & Associates, Inc.

Street Address: 4014 NW 13th Street

City: Gainesville

State: FL

Zip Code: **32609**

3. Professional Engineer Telephone Numbers:

Telephone: (352) 377-5822

Fax: (352) 377-7158

DEP Form No. 62-210.900(3) - Form

^{*} Attach letter of authorization if not currently on file.

4. Professional Engineer Statement:

I, the undersigned, hereby certify, except as particularly noted herein*, that:

- (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
- (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.

If the purpose of this application is to obtain an air construction permit for one or more proposed new or modified emissions units (check here [X], 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.

If the purpose of this application is to obtain an initial air operation permit or operation permit revision for one or more newly constructed or modified emissions units (check here [], if so), I further certify that, with the exception of any changes detailed as part of this capplication, 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.

ignature.

8/3/2005

Signature

(seal)

Attach any exception to certification statement.

Scope of Application

Emissions		Permit	Processing
Unit ID_	Description of Emissions Unit	Туре	Fee
002	Dust Collector No. 1 for Dryer	AC1C	\$4500.00
	Dust Collector No. 2 for Screening/ Milling		
003	Operations	_	
004	Dust Collector No. 3 for Milling Operations	AC1E	\$1000.00
005	Dust Collector No. 4 for Silos		
No I.D.	Fugitive Emissions—Enclosed Building		
No I.D.	Fugitive Emissions—Outside Building	AC1F	\$250.00
	·		
· · · · · · · · · · · · · · · · · · ·			
	·		
<u>.</u> .			

Application Processing Fee

Check one: [X] Attached - Amount: \$5,750.00 [] Not Applicable

Construction/Modification Information

1. Description of Proposed Project or Alterations:

Project is a proposed limestone drying and processing plant in Sumter County. Limestone is dried and processed to produce crushed stone meeting various specifications. Processing operations include hauling, drying, crushing, screening, conveying, stockpiling, and product handling. A revised process flow diagram and description are attached to this application.

This air construction permit application addresses the following issues:

- <u>Dryer Potential Emissions:</u> Existing permitted dryer potential emissions are to be calculated using statistical analysis of previous stack test data.
- <u>Fugitive Emissions—Enclosed Building:</u> Request that the Department includes emission unit entitled "Fugitive Emissions—Enclosed Building" in the Air Permit.
- <u>Fugitive Emissions—Outside Building:</u> Request that the Department includes emission unit entitled "Fugitive Emissions—Outside Building" in Air Permit.
- <u>Maximum Throughput:</u> Increase the maximum throughput from 30 tons /hr wet limestone (monthly average basis) and 262,800 tons/12-month consecutive period to 35 tons/hr wet limestone (monthly average basis) and 306,600 tons/12 consecutive month period.
- 2. Projected or Actual Date of Commencement of Construction: N/A
- 3. Projected Date of Completion of Construction: N/A

Application Comment

<u>Dust Collector 1 for Dryer:</u> The greatest potential emission for Dust Collector 1, which controls the dryer, is 98.25 tpy of SO_2 . Since the potential emissions are greater than 50 tpy but less than 100 tpy, the processing fee for Dust Collector 1, which controls the dryer is 4,500.00 per 62-4.050(4)(a)(2)(b), F.A.C.

<u>Dust Collectors 2 - 4:</u> Dust Collectors 2- 4 are applicable for a similar emissions unit fee. The greatest potential emission from Dust Collectors 2 - 4 is 13.41 tpy of PM (EU003 = 7.53 tpy; EU004 = 2.35 tpy; EU005 = 3.53 tpy). Since the potential emissions are greater than 5 tpy but less than 25 tpy, the processing fee for these similar emissions units is 1000.00 per 10.4050(4)(1)(2)(d), F.A.C.

<u>Fugitive Emissions-Enclosed Building and Outside Building:</u> Fugitive emissions for the enclosed building and outside the building are applicable for similar emissions unit fee. The greatest potential emission from these fugitive emissions is 1.66 tpy of PM (Fugitive Emissions—Enclosed Building = 0.83 tpy; Fugitive Emissions—Outside Building = 0.83 tpy). Since the potential emissions are less than 5 tpy, the processing fee for these similar emissions units is \$250.00 per 62-4.050(4)(1)(2)(e), F.A.C.

Exemptions: This application requests that the fuel tank for No. 4 fuel is exempt from permitting action, as the emissions from the tank are assumed to be minimal.

6

DEP Form No. 62-210.900(3) - Form

II. FACILITY INFORMATION

A. GENERAL FACILITY INFORMATION

Facility Location and Type

1.	Facility UTM Coor	dinates:			
	Zone: 17	East (km): 401.5	Nort	th (km): 3169.5
2.	Facility Latitude/Lo				
	Latitude (DD/MM/	SS): 28/39/02	Longitud	le (DD/MN	M/SS): 82/00/28
3.	Governmental	4. Facility Status	5. Facility	-	6. Facility SIC(s):
	Facility Code:	Code:	1 -	IC Code:	1422
	0	√ A	14	ı	
7.	Facility Comment (limit to 500 characters)	,		
7.	racinty Comment (mine to 500 characters,	·	1	•
No	ne.				
				,	
		:			

Facility Contact

1.	Name and Title of Facility Contact: Walter Merritt, Plant Manager				
2,	2. Facility Contact Mailing Address: Organization/Firm: Consolidated Minerals, Inc. Street Address: 530 West Kings Highway				
	City: Center Hill	State: Florida	Zip Code: 33514		
3.	Facility Contact Telephone Numbers: Telephone: (352) 569-0328	Fax: (352)	568-1515		

DEP Form No. 62-210.900(3) - Form

Facility Regulatory Classifications

Check all that apply:

1. [Small Business Stationary Source?	[X] Unknown				
2. []	Synthetic Non-Title V Source?					
3. [Synthetic Minor Source of Pollutants Other than HAP	s?				
4. [Synthetic Minor Source of HAPs?					
5. [X	(]	One or More Emissions Units Subject to NSPS?					
6. [One or More Emission Units Subject to NESHAP Rec	cordkeeping or Reporting?				
40 CI Proce	7. Facility Regulatory Classifications Comment (limit to 200 characters): 40 CFR 60, Subpart OOO—Standards of Performance for Nonmetallic Mineral Processing Plants. Please refer to attached process flow diagram and description in the attached supporting documentation (Attachment 1) for the list of equipment subject to 40 CFR 60, Subpart						

Rule Applicability Analysis

- 40 CFR 60, Subpart OOO—Standards of Performance for Nonmetallic Mineral Processing Plants.
- 62-4, F.A.C.
- 62-210, F.A.C.
- 62-296, F.A.C.
- 62-297, F.A.C.

DEP Form No. 62-210.900(3) – Form

B. FACILITY POLLUTANTS

List of Pollutants Emitted

1. Pollutant Emitted			missions Cap	4. Basis for Emissions	5. Pollutant Comment
		lb/hour	tons/year	Cap	
PM	В	N/A	N/A	N/A	N/A
SO ₂	SM	N/A	N/A	N/A	N/A
,					
			,		
			:		,
				÷	

C. FACILITY SUPPLEMENTAL INFORMATION

Supplemental Requirements

1. Area Map Showing Facility Location:
[] Attached, Document ID: [] Not Applicable [X] Waiver Requested
Department has on file.
2. Facility Plot Plan:
[] Attached, Document ID: [] Not Applicable [X] Waiver Requested
Department has on file.
3. Process Flow Diagram(s):
[X] Attached, Document ID: Supporting Documentation [] Not Applicable
[] Waiver Requested
4. Precautions to Prevent Emissions of Unconfined Particulate Matter:
[] Attached, Document ID: [] Not Applicable [X] Waiver Requested
5. Supplemental Information for Construction Permit Application:
[X] Attached, Document ID: Supporting Documentation [] Not Applicable
6. Supplemental Requirements Comment:
Supporting documentation includes process flow diagram with process descriptions.
1

Emissions Unit Information Section <u>1</u> of <u>6</u> [E.U. 002: Dust Collector No. 1 (DC-1) for Dryer] III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

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).						
process or production uni	nation Section addresses, as a sin ts and activities which has at leas so produce fugitive emissions.					
` -	rmation Section addresses, as a s ts and activities which produce f	ingle emissions unit, one or more ugitive emissions only.				
,	2. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Dust Collector No. 1 (DC-1) for Dryer					
3. Emissions Unit Identification ID: 002	on Number:	[] No ID [] ID Unknown				
4. Emissions Unit Status Code: A	5. Initial Startup Date: ~1998	6. Emissions Unit Major Group SIC Code: 14				
7. Emissions Unit Comment: (Limit to 500 Characters) Dust Collector No. 1 (DC-1) controls particulate matter emissions from dryer.						

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section <u>1</u> of <u>6</u> [E.U. 002: Dust Collector No. 1 (DC-1) for Dryer] Emissions Unit Control Equipment

1. Control Equipment/Method Description (limit to 200 characters per device or method): Fabric Filter—High Temperature (T > 250° F)

2. Control Device or Method Code(s): 016

Emissions Unit Details

1.	Package Unit: N/A Manufacturer: Sly, Inc.	Model Number: STJ-2817-12
2.	Generator Nameplate Rating:	N/A MW
3.	Incinerator Information: N/A	
	Dwell Temperature:	N/A °F
	Dwell Time:	N/A seconds
	Incinerator Afterburner Temperature:	N/A °F .

Emissions Unit Operating Capacity and Schedule

1. Max	kimum Heat Input Rate:	85.0 mmBtu/hr			
2. Max	ximum Incineration Rate:	N/A lb/hr	N/A tons/day		
3. Max	ximum Process or Throughput Rat	e: 35 TPH Wet Limesto	ne		
4. Max	. Maximum Production Rate: N/A				
5. Req	uested Maximum Operating Sche	dule:			
	24 h	ours/day	7 days/week		
•	52 v	veeks/year	8760 hours/year		

- 6. Operating Capacity/Schedule Comment (limit to 200 characters):
 - Maximum Heat Input Rate:

582.2 gal/hr of #4 fuel oil @ 146,000 BTU/gal = 85.0 mmBtu/hr

2,620,000 gal/yr of #4 fuel oil @ 146,000 BTU/gal = 382,520 MMBtu/yr

• Maximum Process Rate:

Maximum throughput of limestone drying and processing facility is 35 tph (monthly average basis) and 306,600 tons per 12 consecutive month period.

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section 1 of 6

[E.U. 002: Dust Collector No. 1 (DC-1) for Dryer]

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1. Identification of Point on Pl Flow Diagram? ST-1	lot Plan or	2. Emission Po	oint Type Code: 1			
3. Descriptions of Emission Poly 100 characters per point):						
Stack from Dust Collector 1		·				
4. ID Numbers or Description	s of Emission U	nits with this Emi	ssion Point in Common: N/A			
5. Discharge Type Code:	6. Stack Height: 75 feet		7. Exit Diameter: 3.8 feet			
8. Exit Temperature: 375 °F	Rate:	umetric Flow 0 acfm	10. Water Vapor: 23 %			
11. Maximum Dry Standard Flo 17,041 dscfm			nission Point Height: N/A feet			
13. Emission Point UTM Coord	dinates: Not De	termined	,			
Zone: E	ast (km):	Nort	h (km):			
14. Emission Point Comment (limit to 200 char	acters):				
Maximum Dry Standard Flow Rate: $35,000 \text{ acfm x } (1-0.23) \text{ x } [(68+460)/(375+460)] = 17,041 \text{dscfm}$						

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section 1 of 6

[E.U. 002: Dust Collector No. 1 (DC-1) for Dryer]

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 4

1. Segment Description (Proc Industrial Processes/ Minera	• • • • • • • • • • • • • • • • • • • •	`	•			
Dust Collector 1 (DC-1) colle						
Dust Conector 1 (DC-1) con-	ects particulate	emissions mon	m me dryer.			
		•				
2. Source Classification Cod 3-05-020-99	e (SCC):	3. SCC Unit	ts: Tons Processed			
4. Maximum Hourly Rate: 35 (Wet Basis)	5. Maximum 306,600 (V	Annual Rate: Wet Basis)	6. Estimated Annual Activity Factor: N/A			
7. Maximum % Sulfur: N/A	8. Maximum N	% Ash: / A	9. Million Btu per SCC Unit N/A			
10. Segment Comment (limit	to 200 characters	s):				
None.						
						
Segment Description and Ra	ite: Segment 2 o	of <u>4</u>				
1. Segment Description (Pro- Industrial Processes/ In Pro-	• • •	•	•			
			•			
			· .			
2. Source Classification Cod	e (SCC):	3. SCC Unit	ts:			
3-90-004-02			ousand Gallons Burned			
4. Maximum Hourly Rate: 0.582	5. Maximum 2,6	Annual Rate: 620	6. Estimated Annual Activity Factor: N/A			
7. Maximum % Sulfur: 0.50	8. Maximum	% Ash: N/A	9. Million Btu per SCC Unit 146			
10. Segment Comment (limit	10. Segment Comment (limit to 200 characters):					
Annual fuel usage rate is lim	nited to escape T	Title V.				

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section <u>1</u> of <u>6</u> [E.U. 002: Dust Collector No. 1 (DC-1) for Dryer]

Segment Description and Rate: Segment 3 of 4

1. Segment Description (Pro	ocess/Fuel Type)	(limit to 500 c	harac	cters):	
Industrial Processes/In-Pro	cess Fuel Use/ L	iquified Petrol	eum	Gas (Proprane)/ General	
· · ·		•			
2. Source Classification Co	de (SCC):	3. SCC Units	s:		
3-90-010-89	<u> </u>	Tho	usan	d Gallons Burned	
4. Maximum Hourly Rate: 0.939	5. Maximum 8, 2	Annual Rate:	6.	Estimated Annual Activity Factor: N/A	
7. Maximum % Sulfur: N/A	8. Maximum			Million Btu per SCC Unit: 90.5	
10. Segment Comment (limit to 200 characters): Hourly Max: (85 mmBtu/hr) x (1 TGB/90.5 mmBtu) = 0.939 TGB/hr					
Annual Max: (0.939 TGB/hr) x (8760 hr/	yr) = 8,228 TGB/	/yr			

Segment Description and Rate: Segment 4 of 4

Segment Belov priori situation of Segment 1 of 1						
, ,	1. Segment Description (Process/Fuel Type) (limit to 500 characters): Industrial Processes/ In-Process Fuel Use/ Natural Gas/ General					
	·					
			,			
2. Source Classification Cod-	e (SCC):	3. SCC Unit	S: .			
3-90-006-89		Million Cubic Feet				
4. Maximum Hourly Rate:	5. Maximum	Annual Rate:	6. Estimated Annual Activity			
8.10 x 10 ⁻⁵	0.	71	Factor: N/A			
7. Maximum % Sulfur:	8. Maximum	% Ash: N/A	9. Million Btu per SCC Unit:			
N/A			1050			
10. Segment Comment (limit	to 200 characters	<u>):</u>				
, ,		' ·				
Hourly Maximum:						
$(0.085 \text{ mmBtu/hr}) \times (1 \text{ mmcf/}1050 \text{ mmBtu}) = 8.10 \times 10^{-5} \text{ mmcf/hr}$						
Annual Maximum:						
$(8.10 \times 10^{-5} \text{ mmBtu/hr}) \times (8760 \text{ hr/yr}) = 0.71 \text{ mmcf/yr}$						

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section <u>1</u> of <u>6</u> [E.U. 002: Dust Collector No. 1 (DC-1) for Dryer] Pollutant Detail Information Page <u>1</u> of <u>5</u>

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: PM		2. Pollutant Reg	rulatory Code: EL	
3. Primary Control Device	1	Control Device	5. Total Percent Efficiency	
Code: 016	Code: N/A	1	of Control: N/D	
6. Potential Emissions:			7. Synthetically Limited?	
5.84 lb/hour 25.59 tons/year		[]		
8. Emission Factor: 0.04 gr/	dscf		9. Emissions Method Code:	
Reference: Test Data		,	- 5	
Test Data				
10 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(1) 1: - 600 1			
10. Calculation of Emissions	10. Calculation of Emissions (limit to 600 characters):			
$(0.04 \text{ gr/dscf}) \times (17,041 \text{ dscf/min}) \times (60 \text{ min/hr}) \times (1 \text{ lb PM/}7000 \text{ gr}) = 5.84 \text{ lb PM/hr}$				
(5.84 lb PM/hr) x (8760 hr/y			•	
(5.84 16 PM/Hr) x (8/60 Hr/y	r) x (1 ton/2000	7 lbs) = 25.59 tons	s Pivi/.yF	
,				
•				
11 D 11 (1 D 1 (1 D 1)		200 1		
11. Pollutant Potential Emissi			•	
based on test results, 98% co	•	•		
emission factor is the accept	ea emission lac	ans each in tor	part I.	

Allowable Emissions 1 of 1

Equivalent Allowa 5.84 lb/hour	ble Emissions:
5.84 lb/hour	
	25.59 tons/year
rating Method) (limit t	o 200 characters):
	·
	EPA Method 5 ating Method) (limit t

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section <u>1</u> of <u>6</u> [E.U. 002: Dust Collector No. 1 (DC-1) for Dryer] Pollutant Detail Information Page <u>2</u> of <u>5</u>

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: SO ₂ 2. Pollutant Ro		gulatory Code: EL	
3. Primary Control Device Code: N/A	4. Secondary Control Device Code: N/A	5. Total Percent Efficiency of Control: N/A	
6. Potential Emissions: 43.65 lb/hour	98.25 tons/year	7. Synthetically Limited? [X]	
8. Emission Factor: 1508 II Reference: AP-42,		9. Emissions Method Code: 4	
10. Calculation of Emissions	(limit to 600 characters):		

[150(0.5) lb SO₂/TGB] x (0.582 TGB/hr) = 43.65 lbs SO₂/hr [150(0.5) lb SO₂/TGB] x (2,620 TGB/yr) x (1 ton/2000 lbs) = 98.25 ton SO₂/yr

11. Pollutant Potential Emissions Comment (limit to 200 characters): Emission factor based on No. 4 oil-fired boilers < 100 mmbtu/hr.

Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: ESCTV		Future Effective I Emissions: N/A	Date of Allowable
 Requested Allowable Emissions and Units: 0.5% Sulfur in fuel oil 		Equivalent Allow	able Emissions:
		43.65 lb/hour	98.25 tons/year
5. Method of Compliance (limit to 60 character	S): ru	uei uli alialysis d	y v Ciiuui
5. Method of Compliance (limit to 60 character6. Allowable Emissions Comment (Desc. of Op N/A)	, 		

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section <u>1</u> of <u>6</u> [E.U. 002: Dust Collector No. 1 (DC-1) for Dryer] Pollutant Detail Information Page <u>3</u> of <u>5</u>

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: NO _x	2. Pollutant Reg	gulatory Code: NS
3. Primary Control Device 4. Secondar Code: N/A Code: N	ry Control Device /A	5. Total Percent Efficiency of Control: N/A
6. Potential Emissions: 11.64 lb/hour 26.20 tons/yea		7. Synthetically Limited?
Reference: AP-42, Table 1.3-1	Reference: AP-42, Table 1.3-1 9. Emissions Method Code 4	
10. Calculation of Emissions (limit to 600 characters): (20 lbs NO _x /TGB) x (0.582 TGB/hr) = 11.64 lbs NO _x /hr (20 lbs NO _x /TGB) x (2,620 TGB/yr) x (1 ton/2000 lbs) = 26.20 lbs NO _x /yr		
11. Pollutant Potential Emissions Comment (limit to 200 characters): Emission factor based on No. 4 oil-fired boilers < 100 mmbtu/hr.		

Allowable Emissions N/A of N/A

1. Basis for Allowable Emissions Code: N/A	2. Future Effective Date of Allowable Emissions: N/A		
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:		
N/A	N/A lb/hour N/A tons/year		
5. Method of Compliance (limit to 60 characters): N/A			
6. Allowable Emissions Comment (Desc. of Or	perating Method) (limit to 200 characters):		

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section <u>1</u> of <u>6</u> [E.U. 002: Dust Collector No. 1 (DC-1) for Dryer] Pollutant Detail Information Page <u>4</u> of <u>5</u>

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: CO	2.	Pollutant Regul	atory Code: NS
3. Primary Control Device	4. Secondary Cor	ntrol Device 5	. Total Percent Efficiency
Code: N/A	Code: N/A		of Control: N/A
6. Potential Emissions:		7	. Synthetically Limited?
2.91 lb/hour 6.5	55 tons/year		[]
8. Emission Factor: 5 lbs Co	O/1000 gallons	9	. Emissions Method Code:
Reference: AP-42.	Γable 1.3-1		· 4
(5 lbs CO/TGB) x (0.582 TG	Reference: AP-42, Table 1.3-1 10. Calculation of Emissions (limit to 600 characters): (5 lbs CO/TGB) x (0.582 TGB/hr) = 2.91 lbs CO/hr (5 lbs CO/TGB) x (2,620 TGB/yr) x (1 ton/2000 lbs) = 6.55 tons CO/yr		
on No. 4 oil-fired boilers < 1	,	t to 200 characte	is). Emission factor based
,	-		

Allowable Emissions N/A of N/A

1. Basis for Allowable Emissions Code: N/A	2. Future Effective Date of Allowable Emissions: N/A	
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:	
N/A	N/A lb/hour N/A tons/year	
5. Method of Compliance (limit to 60 character	ISJ: IN/A	
6. Allowable Emissions Comment (Desc. of Op N/A	perating Method) (limit to 200 characters):	

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section $\underline{1}$ of $\underline{6}$

[E.U. 002: Dust Collector No. 1 (DC-1) for Dryer]

Pollutant Detail Information Page 5 of 5

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: VOC		2. Pollutant Regulatory Code: NS	
3. Primary Control Device	4. Secondary Co	ontrol Device 5	. Total Percent Efficiency
Code: N/A	Code: N/A		of Control: N/A
6. Potential Emissions:		7	. Synthetically Limited?
0.12 lb/hour 0 .	.26 tons/year		[]
8. Emission Factor: 0.2 lbs I	NMTOC/1000 gal	llons 9	. Emissions Method Code:
Reference: AP-42,	Гable 1.3-3		4
,			
10. Calculation of Emissions	(limit to 600 charac	cters):	
(0.2 lbs NMTOC/TGB) x (0.	•		
(0.2 lbs NMTOC/TGB) x (2,	620 TGB/hr) x (1	ton/2000 lbs) = 0	2.26 tons NMTOC/yr
·			
11. Pollutant Potential Emissi	ons Comment (lim	nit to 200 character	rs): Emission factor for
NMTOC was used in calcula	`		•
based on No. 4 oil-fired boile			

Allowable Emissions N/A of N/A

4. Equivalent Allowal N/A lb/hour	ole Emissions: N/A tons/year
N/A lb/hour	N/A tons/year
· · · · · · · · · · · · · · · · · · ·	•
	•
rating Method) (limit to	o 200 characters):
	,
	rating Method) (limit to

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section 1 of 6

[E.U. 002: Dust Collector No. 1 (DC-1) for Dryer]

E. VISIBLE EMISSIONS INFORMATION

(Only Emissions Units Subject to a VE Limitation)

<u>Visible Emissions Limitation:</u> Visible Emissions Limitation <u>1</u> of <u>1</u>

1. Visible Emissions Subtype: VE20	2. Basis for Allowable O	pacity:
	[X] Rule	Other
3. Requested Allowable Opacity:		
Normal Conditions: 20%	Exceptional Conditions:	20%
Maximum Period of Excess Opacity Allo	wed:	0 min/hour
4. Method of Compliance: EPA Method 9		
5 W 11 F 1 1 0 0 4 (1) 14 20(characters):	
5. Visible Emissions Comment (limit to 200 Per 62-296.320(b)1, F.A.C., this emissions PM emissions from the dryer.	-	or 1, which co

F. CONTINUOUS MONITOR INFORMATION (Only Emissions Units Subject to Continuous Monitoring)

<u>Continuous Monitoring System:</u> Continuous Monitor $\underline{N/A}$ of $\underline{N/A}$

1.	Parameter Code: N/A	2. Pollutant(s): N/A
3.	CMS Requirement: N/A	[] Rule [] Other
4.	Monitor Information: N/A Manufacturer: N/A Model Number: N/A	Serial Number: N/A
5.	Installation Date: N/A	6. Performance Specification Test Date: N/A
7.	Continuous Monitor Comment (limit to 200	characters): N/A

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section <u>1</u> of <u>6</u> [E.U. 002: Dust Collector No. 1 (DC-1) for Dryer]

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1.	Process Flow Diagram			
	[X] Attached, Document ID: Supporting Documentation [] Not Applicable			
	[] Waiver Requested			
2.	Fuel Analysis or Specification			
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested			
3.	Detailed Description of Control Equipment			
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested			
4.	Description of Stack Sampling Facilities			
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested			
5.	Compliance Test Report			
	[] Attached, Document ID:			
	[] Previously submitted, Date:			
	[X] Not Applicable			
6.	Procedures for Startup and Shutdown			
	[] Attached, Document ID: [X] Not Applicable [] Waiver Requested			
7.	Operation and Maintenance Plan			
	[] Attached, Document ID: [X] Not Applicable [] Waiver Requested			
8.	Supplemental Information for Construction Permit Application			
	[X] Attached, Document ID: Supporting Documentation [] Not Applicable			
9.	Other Information Required by Rule or Statute			
	[] Attached, Document ID: [X] Not Applicable			
10.	10. Supplemental Requirements Comment: N/A			

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section 2 of 6 [E.U. 003: Dust Collector No. 2 (DC-2) for Screening and Belt Conveyor to Milling Operations]

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

1.	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).				
[X] 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 (limit to 60 characters): Dust Collector No. 2 (DC-2) for Screening and Belt Conveyor to Milling Operations					
3.	Emissions Unit Identification ID: 003	on Number:	[] No ID [] ID Unknown		
4.	Emissions Unit Status Code: A	5. Initial Startup Date: ~1998	6. Emissions Unit Major Group SIC Code: 14		
7. Emissions Unit Comment: (Limit to 500 Characters) Dust Collector No. 2 (DC-2) controls particulate matter emissions from screening and belt conveyor to milling operations.					
١,					

23

DEP Form No. 62-210.900(3) - Form

Emissions Unit Control Equipment

1.	Control Equipment/Method Description (limit to 200 characters per device or method):
Fal	bric Filter—Medium Temperature ($180^{\circ}F < T < 250^{\circ}F$)

2. Control Device or Method Code(s): 017

Emissions Unit Details

1.	Package Unit: N/A		
٠.	Manufacturer: Sly, Inc	Model Number: STJ-1315-10	
2.	Generator Nameplate Rating:	N/A MW	
3.	Incinerator Information: N/A		
	Dwell Temperature:	N/A °F	
	Dwell Time:	N/A seconds	
	Incinerator Afterburner Temperature:	N/A °F·	

Emissions Unit Operating Capacity and Schedule

1.	Maximum Heat Input Rate:	N/A mmBtu/hr	
2.	Maximum Incineration Rate:	N/A lb/hr	N/A tons/day
3.	Maximum Process or Throughput Ra	te: 35 TPH Wet Limestone	2
4.	Maximum Production Rate: N/A		
5.	Requested Maximum Operating Sche	edule:	
	24 1	hours/day	7 days/week
_	52 y	weeks/year	8760 hours/year
-	On anoting Compaits /Calcadula Commun	(1:: 4 +- 200 -1 +).	

6. Operating Capacity/Schedule Comment (limit to 200 characters):

• Maximum Process Rate:

Maximum throughput of limestone drying and processing facility is 35 tph (monthly average basis) and 306,600 tons per 12 consecutive month period.

DEP Form No. 62-210.900(3) - Form

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

Identification of Point on Pl Flow Diagram? FA-2			oint Type Code: 1	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):				
Fan outlet from dust collector				
4. ID Numbers or Descriptions	s of Emission Ur	nits with this Emi		
5. Discharge Type Code: H		Afeet	7. Exit Diameter: N/A feet	
8. Exit Temperature:		umetric Flow	10. Water Vapor:	
200 °F	Rate:	o acfm	~2 %	
11. Maximum Dry Standard Flo			mission Point Height:	
10,035 dscfm			N/A feet	
13. Emission Point UTM Coord	linates: Not Det	termined		
Zone: E	ast (km):	Norti	h (km):	
14. Emission Point Comment (1	imit to 200 char	acters):		
14. Emission Point Comment (limit to 200 characters): Maximum Dry Standard Flow Rate: 12,800 acfm x (1-0.02) x [(68+460)/(200 + 460)] = 10,035 dscfm				

DEP Form No. 62-210.900(3) – Form

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 1

1.	Segment Description (Process/Fuel Type)	(limit to 500 characters):	
In	dustrial Processes/ Mineral Products/ St	one Quarrying—Processing/	General

Dust Collector 2 (DC-2) vents particulate emissions from the screening and milling operations.

2.	Source Classification Code	e (SCC):	3. SCC Units	:
_	3-05-020-99			Tons Processed
4.	Maximum Hourly Rate: 35 (Wet Basis)	5. Maximum A 306,600 (V		6. Estimated Annual Activity Factor: N/A
7.	Maximum % Sulfur: N/A	8. Maximum N		9. Million Btu per SCC Unit: N/A

DEP Form No. 62-210.900(3) – Form

^{10.} Segment Comment (limit to 200 characters): None.

Emissions Unit Information Section $\underline{2}$ of $\underline{6}$ [E.U. 003: Dust Collector No. 2 (DC-2) for Screening and Belt Conveyor to Milling Operations] Pollutant Detail Information Page $\underline{1}$ of $\underline{1}$

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: PM		2. Pollutant Reg	ulatory Code: EL
3. Primary Control Device Code: 017	4. Secondary Code: N/A	Control Device	5. Total Percent Efficiency of Control: N/D
6. Potential Emissions: 1.72 lb/hour 7.53 tons/year		7. Synthetically Limited?	
8. Emission Factor: 0.02 gr/dscf Reference: 40 CFR 60.672(a)		9. Emissions Method Code: 5	
10. Calculation of Emissions (limit to 600 characters): (0.02 gr/dscf) x (10,035 dscf/min) x (60 min/hr) x (1 lb PM/7000 gr) = 1.72 lb PM/hr (1.72 lb PM/hr) x (8760 hr/yr) x (1 ton/2000 lbs) = 7.53 tons PM/yr			
11. Pollutant Potential Emissions Comment (limit to 200 characters): Dust Collector 2 (DC-2) collects emissions from the screening and belt conveyor to milling processes, which consists of various equipment that is subject to 40 CFR 60, Subpart OOO.			

Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code:	2. Future Effective D	ate of Allowable	
Rule	Emissions: N/A	/	
3. Requested Allowable Emissions and Units:	4. Equivalent Allowa	ble Emissions:	
0.02 gr/dscf	1.72 lb/hour	7.53 tons/year	
5. Method of Compliance (limit to 60 characters): EPA Method 9			
6 Allowable Emissions Comment (Desc. of Or	perating Method) (limit	to 200 characters):	
6. Allowable Emissions Comment (Desc. of Op None.	perating Method) (limit	to 200 characters):	
6. Allowable Emissions Comment (Desc. of Op None.	perating Method) (limit	to 200 characters):	
` ·	perating Method) (limit	to 200 characters):	

DEP Form No. 62-210.900(3) - Form

E. VISIBLE EMISSIONS INFORMATION (Only Emissions Units Subject to a VE Limitation)

<u>Visible Emissions Limitation:</u> Visible Emissions Limitation <u>1</u> of <u>2</u>

1. Visible Emissions Subtype: VE07	2. Basis for Allowable 0	Opacity:
	[X] Rule	[] Other
Requested Allowable Opacity: Normal Conditions: 07% Ex Maximum Period of Excess Opacity Allow	xceptional Conditions: ed:	07% 0 min/hour
4. Method of Compliance: EPA Method 9		
5. Visible Emissions Comment (limit to 200 cell Per 40 CFR 60.672(a)(2), this emissions limit collects PM from various pieces of equipment CFR 60, Subpart OOO.	t applies to Dust Collector	
Visible Emissions Limitation: Visible Emiss	ions Limitation <u>1</u> of <u>2</u>	
1. Visible Emissions Subtype: VE20	2. Basis for Allowable (X) Rule	Opacity: [] Other
Requested Allowable Opacity: Normal Conditions: Maximum Period of Excess Opacity Allow	ceptional Conditions:	20% 0 min/hour
4. Method of Compliance: EPA Method 9		
5. Visible Emissions Comment (limit to 200 of Per 62-296.320(b)1, F.A.C., this emissions lir screening operations not subject to 40 CFR (nit applies to all other eq	

DEP Form No. 62-210.900(3) – Form

F. CONTINUOUS MONITOR INFORMATION (Only Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System: Continuous Monitor N/A of N/A

1.	Parameter Code: N/A	2. Pollutant(s): N/A
3.	CMS Requirement: N/A	[] Rule [] Other
4.	Monitor Information: N/A	
	Manufacturer: N/A	•
	Model Number: N/A	Serial Number: N/A
5.	Installation Date: N/A	6. Performance Specification Test Date:
		N/A
7.	Continuous Monitor Comment (limit to 200	characters): N/A
]		
		•
	•	

29

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1.	Process Flow Diagram
	[X] Attached, Document ID: Supporting Documentation [] Not Applicable
	[] Waiver Requested
2.	Fuel Analysis or Specification
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested
3.	Detailed Description of Control Equipment
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested
4.	Description of Stack Sampling Facilities
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested
5.	Compliance Test Report
	[] Attached, Document ID:
	[] Previously submitted, Date:
	[X] Not Applicable
6.	Procedures for Startup and Shutdown
	[] Attached, Document ID: [X] Not Applicable [] Waiver Requested
7.	Operation and Maintenance Plan
	[] Attached, Document ID: [X] Not Applicable [] Waiver Requested
8.	Supplemental Information for Construction Permit Application
	[X] Attached, Document ID: Supporting Documentation [] Not Applicable
9.	Other Information Required by Rule or Statute
	[] Attached, Document ID: [X] Not Applicable
10.	Supplemental Requirements Comment: N/A

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section 3 of 6 [E.U. 004: Dust Collector No. 3 (DC-3) for Milling Operations] III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

1. Type of Emissions Unit Add	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).						
process or production unit	ation Section addresses, as a sing as and activities which has at leas so produce fugitive emissions.					
	mation Section addresses, as a si s and activities which produce for	ngle emissions unit, one or more agitive emissions only.				
2. Description of Emissions Un Dust Collector No. 3 (DC-3) for	nit Addressed in This Section (line) or Milling Operations	mit to 60 characters):				
3. Emissions Unit Identificatio ID: 004	on Number:	[] No ID [] ID Unknown				
4. Emissions Unit Status Code: A	5. Initial Startup Date: ~1998	6. Emissions Unit Major Group SIC Code: 14				
7. Emissions Unit Comment: (Limit to 500 Characters) Dust Collector No. 3 (DC-3) controls particulate matter emissions from milling operations.						
	,					

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section 3 of 6 [E.U. 004: Dust Collector No. 3 (DC-3) for Milling Operations] Emissions Unit Control Equipment

1.	Control Equipment/Method Description (limit to 200 characters per device or method):
Fal	bric Filter—Medium Temperature $(180^{\circ}F < T < 250^{\circ}F)$

2. Control Device or Method Code(s): 017

Emissions Unit Details

1.	Package Unit: N/A Manufacturer: Sly, Inc.	Model Number: STJ	J-78-10
2.	Generator Nameplate Rating:	N/A MW	
3.	Incinerator Information: N/A		
	Dwell Temperature:		N/A °F
	Dwell Time:		N/A seconds
	Incinerator Afterburner Temperature:		N/A° F

Emissions Unit Operating Capacity and Schedule

1.	Maximum Heat Input Rate:	N/A mmBtu/hr	
2.	Maximum Incineration Rate:	N/A lb/hr	N/A tons/day
3.	Maximum Process or Throughput Ra	ate: 35 TPH Wet Limeston	ne
4.	Maximum Production Rate: N/A		
5.	Requested Maximum Operating School	edule:	
	24	hours/day	7 days/week
	52	weeks/year	8760 hours/year

6. Operating Capacity/Schedule Comment (limit to 200 characters):

• Maximum Process Rate:

Maximum throughput of limestone drying and processing facility is 35 tph (monthly average basis) and 306,600 tons per 12 consecutive month period.

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section 3 of 6 [E.U. 004: Dust Collector No. 3 (DC-3) for Milling Operations] B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

Identification of Point on Pl Flow Diagram? FA-3	ot Plan or	2. Emission Po	oint Type Code: 1			
3. Descriptions of Emission Po 100 characters per point):						
Fan vent from Dust Collector	3					
4. ID Numbers or Descriptions	s of Emission U	nits with this Emi	ssion Point in Common: N/A			
		1				
5. Discharge Type Code:	6. Stack Heig	ht:	7. Exit Diameter:			
Н	N/A	feet	N/A feet			
8. Exit Temperature:	9. Actual Vol	umetric Flow	10. Water Vapor:			
200 °F	Rate:		~2 %			
) acfm				
3,136 dscfm	11. Maximum Dry Standard Flow Rate: 3,136 dscfm 12. Nonstack Emission Point Height: N/A feet N/A feet					
13. Emission Point UTM Coord	linates: Not Det	termined				
Zone: E	ast (km):	Nort	h (km):			
14. Emission Point Comment (imit to 200 char	acters):				
Maximum Dry Standard Flow Rate: 4,000 acfm x (1-0.02) x [(68+460)/(200 + 460)] = 3,136 dscfm						

33

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section 3 of 6 [E.U. 004: Dust Collector No. 3 (DC-3) for Milling Operations] C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Process/Fuel Type) (limit to 500 characters):						
Industrial Processes/ Mineral Products/ Stone Quarrying—Processing/ General						
Dust Collector 3 (DC-3) vent	s particulate en	nissions from n	nillir	ng operations.		
	4					
·						
2. Source Classification Code	e (SCC):	3. SCC Units	s;			
3-05-020-99			_ To	ns Processed		
4. Maximum Hourly Rate:	5. Maximum	Annual Rate:	6.	Estimated Annual Activity		
35 (Wet Basis)	306,600 (V	Vet Basis)		Factor: N/A		
7. Maximum % Sulfur:	8. Maximum	% Ash:	9.	Million Btu per SCC Unit:		
N/A	N/	'A		N/A		
10. Segment Comment (limit t	to 200 characters):	-			
None.						

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section 3 of 6 [E.U. 004: Dust Collector No. 3 (DC-3) for Milling Operations] Pollutant Detail Information Page 1 of 1

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: PM		2. Pollutant Reg	ulatory Code: EL		
3. Primary Control Device	4. Secondary	Control Device	5. Total Percent Efficiency		
Code: 016	Code: N/A		of Control: N/D		
6. Potential Emissions:			7. Synthetically Limited?		
0.54 lb/hour 2	.35 tons/year		[]		
8. Emission Factor: 0.02 gr/	dscf		9. Emissions Method Code:		
Reference: 40 CFR 60.672(a)		5		
(,				
10. Calculation of Emissions	(limit to 600 cha	racters):			
		ŕ			
(0.02 gr/dscf) x (3,136 dscf/n	, ,	, ,	O ,		
$(0.54 \text{ lb PM/hr}) \times (8760 \text{ hr/yr}) \times (1 \text{ ton/2000 lbs}) = 2.35 \text{ tons}$			PM/yr		
	`	imit to 200 charac	eters): Dust Collector 3 (DC-3)		
collects emissions from the milling process.					
•					

Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code:	2. Future Effective Date of Allowable			
Rule	Emissions: N/A			
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions:			
0.02 gr/dscf	0.54 lb/hour 2.35 tons/year			
 5. Method of Compliance (limit to 60 characters): EPA Method 5 6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): 				
None.				

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section 3 of 6

[E.U. 004: Dust Collector No. 3 (DC-3) for Milling Operations]

E. VISIBLE EMISSIONS INFORMATION

(Only Emissions Units Subject to a VE Limitation)

Visible Emissions Limitation: Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: VE20	2. Basis for Allowable C	Opacity:		
·	[X] Rule	[] Other		
3. Requested Allowable Opacity:				
Normal Conditions: 20% E.	xceptional Conditions:	20%		
Maximum Period of Excess Opacity Allow	red:	0 min/hour		
4. Method of Compliance: EPA Method 9				
5. Visible Emissions Comment (limit to 200 c	characters):			
Per 62-296.320(b)1, F.A.C., this emissions lin	mit applies to Dust Collect	tor 3, which collects		
PM emissions from the Raymond Mill. The	Raymond Mill is NOT su	bject to NSPS, as it		
was constructed/reconstructed/modified prior to 8/31/1983.				
<u> </u>				

F. CONTINUOUS MONITOR INFORMATION (Only Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System: Continuous Monitor N/A of N/A

1. Paramete	er Code: N/A	2. Pollutant(s): N/A
3. CMS Re	quirement: N/A	[] Rule [] Other
4. Monitor	Information: N/A	
Manuf	facturer: N/A	·
Model N	Number: N/A	Serial Number: N/A
5. Installati	on Date: N/A	6. Performance Specification Test Date:
		N/A
7. Continuo	ous Monitor Comment (limit to 200	characters): N/A
si .		•

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section 3 of 6 [E.U. 004: Dust Collector No. 3 (DC-3) for Milling Operations] G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1.	Process Flow Diagram
	[X] Attached, Document ID: <u>Supporting Documentation</u> [] Not Applicable
	[] Waiver Requested
2.	Fuel Analysis or Specification
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested
3.	Detailed Description of Control Equipment
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested
4.	Description of Stack Sampling Facilities
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested
5.	Compliance Test Report
	[] Attached, Document ID:
	[] Previously submitted, Date:
	[X] Not Applicable
6.	Procedures for Startup and Shutdown
	[] Attached, Document ID: [X] Not Applicable [] Waiver Requested
7.	Operation and Maintenance Plan
	[] Attached, Document ID: [X] Not Applicable [] Waiver Requested
8.	Supplemental Information for Construction Permit Application
	[X] Attached, Document ID: Supporting Documentation [] Not Applicable
9.	Other Information Required by Rule or Statute
	[] Attached, Document ID: [X] Not Applicable
10.	Supplemental Requirements Comment: N/A

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section 4 of 6 [E.U. 005: Dust Collector No. 4 (DC-4) for Silos] III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

1.	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).				
[X	process or production unit	ation Section addresses, as a sing s and activities which has at least so produce fugitive emissions.			
[=	mation Section addresses, as a sist and activities which produce fu	•		
2.	Description of Emissions Un	nit Addressed in This Section (lir	nit to 60 characters):		
Dı	ist Collector No. 4 (DC-4) fo	or Silos			
			•		
3.	Emissions Unit Identificatio ID: 005	n Number:	[] No ID [] ID Unknown		
4.	Emissions Unit Status Code: A	5. Initial Startup Date: ~1998	6. Emissions Unit Major Group SIC Code: 14		
7.	Emissions Unit Comment: (Limit to 500 Characters)			
Dι	ist Collector No. 4 (DC-4) co	ontrols particulate matter emis	sions from Silo SS-3.		
Silos 1, 2, and 3 (SS-1, SS-2, and SS-3, respectively) were constructed/reconstructed/modified prior to August 31, 1983 and would not be subject to NSPS Subpart OOO.					
Sil	Silo 4 (SS-4) is proposed new and would be subject to NSPS Subpart OOO.				
	•		•		

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section 4 of 6 [E.U. 005: Dust Collector No. 4 (DC-4) for Silos] Emissions Unit Control Equipment

1. Control Equipment/Method Description (limit to 200 characters per device or method): Fabric Filter—Medium Temperature $(180^{\circ}F < T < 250^{\circ}F)$

2. Control Device or Method Code(s): 017

Emissions Unit Details

1.	Package Unit: N/A		
L	Manufacturer: Sly, Inc.	Model Number: ST	J-88-10
2.	Generator Nameplate Rating:	N/A MW	
3.	Incinerator Information: N/A		
	Dwell Temperature:		N/A °F
	Dwell Time:		N/A seconds
	Incinerator Afterburner Temperature:		N/A°F

Emissions Unit Operating Capacity and Schedule

1.	Maximum Heat Input Rate:	N/A mmBtu/hr	
2.	Maximum Incineration Rate:	N/A lb/hr	N/A tons/day
3.	Maximum Process or Throughput Ra	ate: 35 TPH Wet Limeston	e
4.	Maximum Production Rate: N/A		
5.	Requested Maximum Operating School	edule:	
	24	hours/day	7 days/week
	52	weeks/year	8760 hours/year
6	Operating Canacity/Schedule Comm	ant (limit to 200 characters):	

6. Operating Capacity/Schedule Comment (limit to 200 characters):

• Maximum Process Rate:

Maximum throughput of limestone drying and processing facility is 35 tph (monthly average basis) and 306,600 tons per 12 consecutive month period.

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section 4 of 6

[E.U. 005: Dust Collector No. 4 (DC-4) for Silos]

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

	cation of Point on Plagram? FA-4	ot Plan or	2. Emission Po	oint Type Code: 1
_	tions of Emission Poracters per point):	oints Comprising	g this Emissions (Jnit for VE Tracking (limit to
Fan vent fo	or Dust Collector 4			
				•
4. ID Num	bers or Description	s of Emission U	nits with this Emi	ssion Point in Common: N/A
				·
5. Dischar	ge Type Code:	6. Stack Heig		7. Exit Diameter:
	H	N/A	feet	N/A feet
8. Exit Ter	-	9. Actual Vol	umetric Flow	10. Water Vapor:
į	200 °F	Rate:) f	~2 %
11. Maximu	ım Dry Standard Flo) acfm 12. Nonstack Er	nission Point Height:
	4,704 dscfm			N/A feet
13. Emissio	n Point UTM Coord	dinates: Not Det	termined	
Zone:	E	ast (km):	Nort	h (km):
14. Emissio	n Point Comment (limit to 200 char	acters):	
	Dry Standard Flov x (1-0.02) x [(68+4		= 4,704 dscfm	

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section 4 of 6

[E.U. 005: Dust Collector No. 4 (DC-4) for Silos]

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment $\underline{1}$ of $\underline{1}$

1. Segment Description (Proc	cess/Fuel Type)	(limit to 500 cha	rac	ers):
Industrial Processes/ Minera	l Products/ Stor	ne Quarrying—	Pro	cessing/ General
Dust Collector 4 (DC-4) vent	s particulate en	nissions from Sil	lo S	SS-3.
	(2.0.0)			
2. Source Classification Code	₹ (SCC):	3. SCC Units:		
3-05-020-99			To	ns Processed
4. Maximum Hourly Rate:	5. Maximum 1	Annual Rate:	6.	Estimated Annual Activity
35 (Wet Basis)	306,600 (V	Vet Basis)		Factor: N/A
7. Maximum % Sulfur:	8. Maximum 9	% Ash:	9.	Million Btu per SCC Unit:
N/A	N/	' A		N/A
10. Segment Comment (limit t	to 200 characters	<u>)</u> :		
-				
None.		·		
None.		·		

41

Emissions Unit Information Section <u>4</u> of <u>6</u> [E.U. 005: Dust Collector No. 4 (DC-4) for Silos] Pollutant Detail Information Page <u>1</u> of <u>1</u>

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: PM		2. Pollutant Reg	rulatory Code: EL
3. Primary Control Device Code: 017	4. Secondary Code: N/A	Control Device	5. Total Percent Efficiency of Control: N/D
6. Potential Emissions: 0.81 lb/hour 3.	.53 tons/year		7. Synthetically Limited? []
8. Emission Factor: 0.02 gr/	dscf		9. Emissions Method Code:
Reference: Air Pollution En	gineering Manı	ual, 1992.	5
10. Calculation of Emissions ((limit to 600 cha	racters):	
(0.02 gr/dscf) x (4,704 dscf/n (0.81 lb PM/hr) x (8760 hr/y	•	, ,	0 .
on Air and Waste Managem using a baghouse for a contr	ent Association		cters): Emission factor based value for particulate removal
	•	·	

Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: Rule	2. Future Effective Da Emissions: N/A	ate of Allowable
3. Requested Allowable Emissions and Units:	4. Equivalent Allowal	ole Emissions:
0.02 gr/dscf	0.81 lb/hour	3.53 tons/year
	perating Method) (limit t	o 200 characters):
6. Allowable Emissions Comment (Desc. of Op None.	perating Method) (limit t	o 200 characters):
	perating Method) (limit t	o 200 characters):

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section 4 of 6

[E.U. 005: Dust Collector No. 4 (DC-4) for Silos]

E. VISIBLE EMISSIONS INFORMATION

(Only Emissions Units Subject to a VE Limitation)

<u>Visible Emissions Limitation:</u> Visible Emissions Limitation <u>1</u> of <u>2</u>

1.	Visible Emissions Subtype: VE10	2. Basis for Allowable Op	pacity:
	·	[X] Rule] Other
3.	Requested Allowable Opacity:		
	Normal Conditions: 10% Ex	cceptional Conditions:	10%
	Maximum Period of Excess Opacity Allowe	ed:	0 min/hour
4.	Method of Compliance: EPA Method 9		
	•		
	Visible Emissions Comment (limit to 200 c	•	•
1	r 40 CFR 60.672, this emissions limit appli	ies to the enclosed screw co	nveyors used to
loa	d product into enclosed trucks.		
		·	
		•	
<u>Vi</u>	sible Emissions Limitation: Visible Emissi	ons Limitation <u>2</u> of <u>2</u>	v
1.	Visible Emissions Subtype: VE20	2. Basis for Allowable Op	pacity:
		[X] Rule	Other
3.	Requested Allowable Opacity:		
	Normal Conditions: 20% Ex	cceptional Conditions:	20%
	Maximum Period of Excess Opacity Allowe	ed:	0 min/hour
4.	Method of Compliance: EPA Method 9		
		·	
1	Visible Emissions Comment (limit to 200 c	•	
	r 62-296.320(b)1, F.A.C., this emissions lin		
ı	I emissions from Silo SS-3. The Silo SS-3	•	s it was
COI	nstructed/reconstructed/modified prior to	8/31/1983.	
		•	
1			

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section 4 of 6 [E.U. 005: Dust Collector No. 4 (DC-4) for Silos]

F. CONTINUOUS MONITOR INFORMATION (Only Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System: Continuous Monitor N/A of N/A

1.	Parameter Code: N/A	2. Pollutant(s): N/A
3.	CMS Requirement: N/A	[] Rule [] Other
4.	Monitor Information: N/A Manufacturer: N/A Model Number: N/A	Serial Number: N/A
5.	Installation Date: N/A	6. Performance Specification Test Date: N/A
7.	Continuous Monitor Comment (limit to 200	characters): N/A

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section 4 of 6

[E.U. 005: Dust Collector No. 4 (DC-4) for Silos]

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1.	Process Flow Diagram			
	[X] Attached, Document ID: Supporting Documentation	[] Not Applicable	
	[] Waiver Requested			
2.	Fuel Analysis or Specification			
	[] Attached, Document ID: [] Not Applicable	[X]	Waiver Requested	
3.	Detailed Description of Control Equipment			
	[] Attached, Document ID: [] Not Applicable	[X]	Waiver Requested	
4.	Description of Stack Sampling Facilities			
	[] Attached, Document ID: [] Not Applicable	[X]	Waiver Requested	
5.	Compliance Test Report			
	[] Attached, Document ID:	•	•	
•	[] Previously submitted, Date:		,	
	[X] Not Applicable			
6	Procedures for Startup and Shutdown			_
0.	[] Attached, Document ID: [X] Not Applicable	[] Waiver Requested	
7.	Operation and Maintenance Plan			
	[] Attached, Document ID: [X] Not Applicable	[] Waiver Requested	
8.	Supplemental Information for Construction Permit Application			
	[X] Attached, Document ID: Supporting Documentation	[] Not Applicable	
9.	Other Information Required by Rule or Statute			
	[] Attached, Document ID: [X] Not Applicable			
10.	Supplemental Requirements Comment: N/A			_
			•	
			·	

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section <u>5</u> of <u>6</u> [No. I.D.: Fugitive Emissions—Enclosed Building]

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

dressed in This Section: (Che	eck one)
mation Section addresses, as a t, or activity, which produces of inable emission point (stack o	•
	a single emissions unit, a group of east one definable emission point.
nation Section addresses, as a ts and activities which produce	single emissions unit, one or more e fugitive emissions only.
nit Addressed in This Section I Building	(limit to 60 characters):
on Number:	[X] No ID. [] ID Unknown
5. Initial Startup Date: ~1998	6. Emissions Unit Major Group SIC Code: 14
(Limit to 500 Characters) us sources within the enclose	ed building.
	mation Section addresses, as a point, or activity, which produces inable emission point (stack of mation Section addresses, as at and activities which has at 1 so produce fugitive emissions mation Section addresses, as at and activities which produce nit Addressed in This Section and Building 5. Initial Startup Date: ~1998 [Limit to 500 Characters]

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section 5 of 6

[No. I.D.: Fugitive Emissions—Enclosed Building]

Emissions Unit Control Equipment

1.	Control	Equipment/	Method D	escription	(limit to	200	characters	per o	device	or me	thod):
N/A	4										

2. Control Device or Method Code(s): N/A

Emissions Unit Details

1. Package Unit: N/A
Manufacturer: N/A

2. Generator Nameplate Rating:
N/A

3. Incinerator Information: N/A
Dwell Temperature:
Dwell Time:
N/A °F
N/A seconds

Incinerator Afterburner Temperature: N/A°F

Emissions Unit Operating Capacity and Schedule

Maximum Heat Input Rate: N/A mmBtu/hr
 Maximum Incineration Rate: N/A lb/hr N/A tons/day
 Maximum Process or Throughput Rate: 35 TPH Wet Limestone
 Maximum Production Rate: N/A
 Requested Maximum Operating Schedule:

 24 hours/day
 7 days/week
 8760 hours/year

6. Operating Capacity/Schedule Comment (limit to 200 characters):

• Maximum Process Rate:

Maximum throughput of limestone drying and processing facility is 35 tph (monthly average basis) and 306,600 tons per 12 consecutive month period.

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section 5 of 6

[No. I.D.: Fugitive Emissions—Enclosed Building]

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1. Identification of Point on Pl Flow Diagram? N/A			oint Type Code: 4
3. Descriptions of Emission Po 100 characters per point):			
Fugitive emissions from vario			·
4. ID Numbers or Descriptions	s of Emission Un	nits with this Emi	ssion Point in Common: N/A
5. Discharge Type Code: F		feet	7. Exit Diameter: N/A feet
8. Exit Temperature: 77°F	Rate:	umetric Flow acfm	10. Water Vapor: N/A %
11. Maximum Dry Standard Flo N/A dscfm	ow Rate:	12. Nonstack Er	nission Point Height: N/A feet
13. Emission Point UTM Coord	linates: Not Det	termined	
Zone: E	ast (km):	Nort	h (km):
14. Emission Point Comment (1	imit to 200 char	acters):	
None.			
		:	·

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section $\underline{\mathbf{5}}$ of $\underline{\mathbf{6}}$

[No. I.D.: Fugitive Emissions—Enclosed Building]

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 1

1. Segment Description (110)	cess/Fuel Type)	(limit to 500 cm	iaracters):
Industrial Processes/ Minera	al Products/ Sto	ne Onarrying_	_Processing/ General
	ar a roundto, sto.	Quartymg	Troopsing Contra
		,	
			•
		·	
2. Source Classification Cod	e (SCC):	3. SCC Units	S:
3-05-020-99			Tons Processed
4. Maximum Hourly Rate:	5. Maximum	Annual Rate:	6. Estimated Annual Activity
25 (XX + D · ·)	206 600 A	Vet Basis)	Factor: N/A
35 (Wet Basis)	300,000 (1	wei Dasis)	1 doto1. 14/71
7. Maximum % Sulfur:	8. Maximum		9. Million Btu per SCC Unit:
	8. Maximum		
7. Maximum % Sulfur:	8. Maximum N	% Ash: / A	9. Million Btu per SCC Unit:
7. Maximum % Sulfur: N/A 10. Segment Comment (limit	8. Maximum N	% Ash: / A	9. Million Btu per SCC Unit:
7. Maximum % Sulfur: N/A	8. Maximum N	% Ash: / A	9. Million Btu per SCC Unit:
7. Maximum % Sulfur: N/A 10. Segment Comment (limit	8. Maximum N	% Ash: / A	9. Million Btu per SCC Unit:
7. Maximum % Sulfur: N/A 10. Segment Comment (limit	8. Maximum N	% Ash: / A	9. Million Btu per SCC Unit:
7. Maximum % Sulfur: N/A 10. Segment Comment (limit	8. Maximum N	% Ash: / A	9. Million Btu per SCC Unit:
7. Maximum % Sulfur: N/A 10. Segment Comment (limit	8. Maximum N	% Ash: / A	9. Million Btu per SCC Unit:

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section 5 of 6
[No ID: Fugitive Emissions—Enclosed Building]
Pollutant Detail Information Page 1 of 1

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: PM 2. Pollutant Re		gulatory Code: EL	
3. Primary Control Device Code: N/A	4. Secondary Control Device Code: N/A		5. Total Percent Efficiency of Control: N/D
6. Potential Emissions: 0.19 lb/hour 0.83 tons/year		7. Synthetically Limited?	
8. Emission Factor: 0.0054 lb PM/ton		9. Emissions Method Code:	
Reference: AP-42, Table 11.	19.2-2		
10. Calculation of Emissions ((0.0054 lb PM/ton) x (35 ton (0.19 lb PM/hr) x (8760 hr/y)	s/hour) = 0.19 l r) x (1 ton/2000	b PM/hr) lbs) = 0.83 tons	·
11. Pollutant Potential Emissic uncontrolled tertiary crushin particulate emissions.	•		•

Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code:	2. Future Effective D	ate of Allowable
Rule	Emissions: N/A	
3. Requested Allowable Emissions and Units:	4. Equivalent Allowa	ble Emissions:
0.0054 lb PM/ton	0.19 lb/hour	0.83 tons/year
5. Method of Compliance (limit to 60 characters): EPA Method 9		
		·
6. Allowable Emissions Comment (Desc. of Op	perating Method) (limit	to 200 characters):
None.		

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section 5 of 6

[No I.D.: Fugitive Emissions—Enclosed Building]

E. VISIBLE EMISSIONS INFORMATION (Only Emissions Units Subject to a VE Limitation)

<u>Visible Emissions Limitation:</u> Visible Emissions Limitation <u>1</u> of <u>2</u>

1. Visible Emissions Subtype: VE10	2. Basis for Allowable	Opacity:
	[X] Rule	[] Other
3. Requested Allowable Opacity: Normal Conditions: 10% Ex Maximum Period of Excess Opacity Allow	sceptional Conditions: ed:	10% 0 min/hour
4. Method of Compliance: EPA Method 9		
5. Visible Emissions Comment (limit to 200 of Per 40 CFR 60.672, this emissions limit apple equipment, except for crushers, subject to 40 building.	ies to various fugitive en	
Visible Emissions Limitation: Visible Emiss	ons Limitation <u>2</u> of <u>2</u>	
1. Visible Emissions Subtype: VE15	2. Basis for Allowable [X] Rule	Opacity: [] Other
Requested Allowable Opacity: Normal Conditions:	cceptional Conditions: ed:	15% 0 min/hour
4. Method of Compliance: EPA Method 9		
5. Visible Emissions Comment (limit to 200 of Per 40 CFR 60.672, this emissions limit application crushers subject to 40 CFR 60, Subpart OO	ies to various fugitive en	

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section $\underline{5}$ of $\underline{6}$

[No I.D.: Fugitive Emissions—Enclosed Building]

F. CONTINUOUS MONITOR INFORMATION (Only Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System: Continuous Monitor N/A of N/A

1.	Parameter Code: N/A	2. Pollutant(s): N/A
3.	CMS Requirement: N/A	[] Rule [] Other
4.	Monitor Information: N/A Manufacturer: N/A Model Number: N/A	Serial Number: N/A
5.	Installation Date: N/A	6. Performance Specification Test Date: N/A
7.	Continuous Monitor Comment (limit to 200	characters): N/A

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section 5 of 6

[No I.D.: Fugitive Emissions—Enclosed Building]

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1.	Process Flow Diagram		
	[X] Attached, Document ID: Supporting Documentation	[]	Not Applicable
	[] Waiver Requested		
2.	Fuel Analysis or Specification		
	[] Attached, Document ID: [] Not Applicable	[X]	Waiver Requested
3.	Detailed Description of Control Equipment		
	[] Attached, Document ID: [] Not Applicable	[X]	Waiver Requested
4.	Description of Stack Sampling Facilities		
	[] Attached, Document ID: [] Not Applicable	[X]	Waiver Requested
5.	Compliance Test Report		
	[] Attached, Document ID:		
	[] Previously submitted, Date:		
	[X] Not Applicable		
6.	Procedures for Startup and Shutdown		
	[] Attached, Document ID: [X] Not Applicable	r -	Wainen Damentad
	[1] Mittaelied, Becament IB[14] Not replicable	Ĺ,	waiver Requested
7.	Operation and Maintenance Plan	L .	waiver Requested
7.			Waiver Requested Waiver Requested
7.	Operation and Maintenance Plan		
.	Operation and Maintenance Plan [] Attached, Document ID: [X] Not Applicable	[]	Waiver Requested
8.	Operation and Maintenance Plan [] Attached, Document ID: [X] Not Applicable Supplemental Information for Construction Permit Application	[]	Waiver Requested
8.	Operation and Maintenance Plan [] Attached, Document ID: [X] Not Applicable Supplemental Information for Construction Permit Application [X] Attached, Document ID: Supporting Documentation	[]	Waiver Requested
9.	Operation and Maintenance Plan [] Attached, Document ID: [X] Not Applicable Supplemental Information for Construction Permit Application [X] Attached, Document ID: Supporting Documentation Other Information Required by Rule or Statute	[]	Waiver Requested
9.	Operation and Maintenance Plan [] Attached, Document ID: [X] Not Applicable Supplemental Information for Construction Permit Application [X] Attached, Document ID: Supporting Documentation Other Information Required by Rule or Statute [] Attached, Document ID: [X] Not Applicable	[]	Waiver Requested
9.	Operation and Maintenance Plan [] Attached, Document ID: [X] Not Applicable Supplemental Information for Construction Permit Application [X] Attached, Document ID: Supporting Documentation Other Information Required by Rule or Statute [] Attached, Document ID: [X] Not Applicable	[]	Waiver Requested
9.	Operation and Maintenance Plan [] Attached, Document ID: [X] Not Applicable Supplemental Information for Construction Permit Application [X] Attached, Document ID: Supporting Documentation Other Information Required by Rule or Statute [] Attached, Document ID: [X] Not Applicable	[]	Waiver Requested
9.	Operation and Maintenance Plan [] Attached, Document ID: [X] Not Applicable Supplemental Information for Construction Permit Application [X] Attached, Document ID: Supporting Documentation Other Information Required by Rule or Statute [] Attached, Document ID: [X] Not Applicable	[]	Waiver Requested

53

Emissions Unit Information Section 6 of 6 [No I.D.: Fugitive Emissions—Outside Building] III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

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).				
[process or production unit	rmation Section addresses, as a sints and activities which has at least so produce fugitive emissions.			
[X	-	mation Section addresses, as a sin ts and activities which produce fu			
	Description of Emissions Ungitive Emissions—Outside	nit Addressed in This Section (lin Building	nit to 60 characters):		
3.	Emissions Unit Identification ID:	on Number:	[X] No ID [] ID Unknown		
4.	Emissions Unit Status Code: A	5. Initial Startup Date: ~1998	6. Emissions Unit Major Group SIC Code: 14		
	Emissions Unit Comment: (`			
Fu	gitive Emissions from outsi	ide of the building.			
		·			

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section <u>6</u> of <u>6</u> [No I.D.: Fugitive Emissions—Outside Building] Emissions Unit Control Equipment

1. N/.	Control Equipment/Method Description (limit to 200 characters per device or method): A
2.	Control Device or Method Code(s): N/A

Emissions Unit Details

1.	Package Unit: N/A Manufacturer: N/A	Model Number: N/A	
2.	Generator Nameplate Rating:	N/A MW	
3.	Incinerator Information: N/A		
	Dwell Tempera	ature:	N/A °F
	Dwell 7	Γime:	N/A seconds
	Incinerator Afterburner Tempera	ature:	N/A°F

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Inj	out Rate:	N/A mmBtu/hr	
2. Maximum Incinera	tion Rate:	N/A lb/hr	N/A tons/day
3. Maximum Process	or Throughput Ra	ate: 35 TPH Wet Limesto	ne
4. Maximum Product	ion Rate: N/A		
5. Requested Maximu	ım Operating Sch	edule:	
	24	hours/day	7 days/week
	52	weeks/year	8760 hours/year

• Maximum Process Rate:

Maximum throughput of limestone drying and processing facility is 35 tph (monthly average basis) and 306,600 tons per 12 consecutive month period.

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section 6 of 6

[No I.D.: Fugitive Emissions—Outside Building]

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1. Identification of Point on Pl Flow Diagram? N/A	ot Plan or	2. Emission Po	oint Type Code: 4	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point):				
Load Hopper (LH-1), Belt Co (BN-1)	nveyor (BC-1),	Crusher (CR-01	—Proposed new), Feed Bin	
4. ID Numbers or Descriptions	s of Emission Ut	nits with this Emi	ssion Point in Common: N/A	
Discharge Type Code:F	6. Stack Height N/A	ht: A feet	7. Exit Diameter: N/A feet	
8. Exit Temperature: N/A °F	9. Actual Vol Rate: N/A	umetric Flow acfm	10. Water Vapor: N/A %	
11. Maximum Dry Standard Flow Rate: N/A dscfm 12. Nonstack Emission Point Height: N/A feet				
13. Emission Point UTM Coord	linates: Not Det	termined		
Zone: E	ast (km):	Nortl	n (km):	
14. Emission Point Comment (limit to 200 characters): None.				
·				

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section $\underline{6}$ of $\underline{6}$

[No I.D.: Fugitive Emissions—Outside Building]

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 1

1. Segment Description (Pro	cess/ruel Type)	(IIIIII to 300 ci	iarac	icis).
Industrial Processes/ Miner:	al Products/ Sto	ne Quarrying-	-Pro	cessing/ General
		·		
2. Source Classification Cod	e (SCC):	3. SCC Unit	s:	
3-05-020-99			To	ns Processed
4. Maximum Hourly Rate:	5. Maximum	Annual Rate:	6.	Estimated Annual Activity
			- 1	T7 . 37/4
35 (Wet Basis)	306,600 (V	Wet Basis)		Factor: N/A
35 (Wet Basis) 7. Maximum % Sulfur:	306,600 (V		9.	Million Btu per SCC Unit:
	8. Maximum		9.	
7. Maximum % Sulfur:	8. Maximum	% Ash: / A	9.	Million Btu per SCC Unit:
7. Maximum % Sulfur: N/A	8. Maximum	% Ash: / A	9.	Million Btu per SCC Unit:
7. Maximum % Sulfur: N/A 10. Segment Comment (limit	8. Maximum	% Ash: / A	9.	Million Btu per SCC Unit:
7. Maximum % Sulfur: N/A 10. Segment Comment (limit	8. Maximum	% Ash: / A	9.	Million Btu per SCC Unit:
7. Maximum % Sulfur: N/A 10. Segment Comment (limit	8. Maximum	% Ash: / A	9.	Million Btu per SCC Unit:
7. Maximum % Sulfur: N/A 10. Segment Comment (limit	8. Maximum	% Ash: / A	9.	Million Btu per SCC Unit:

DEP Form No. 62-210.900(3) – Form

Emissions Unit Information Section <u>6</u> of <u>6</u> [No ID: Fugitive Emissions—Outside Building] Pollutant Detail Information Page <u>1</u> of <u>1</u>

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: PM 2. Pollutant Regulatory Code: EL				
3. Primary Control Device	4. Secondary Control Device	5. Total Percent Efficiency		
Code: N/A	Code: N/A	of Control: N/D		
6. Potential Emissions:		7. Synthetically Limited?		
0.19 lb/hour 0 .	.83 tons/year	[]		
8. Emission Factor: 0.0054 I	b PM/ton	9. Emissions Method Code:		
Reference: AP-42, Table 11.	19 2-2	4		
Reference. A1-42, Table 11.	17,2-2			
10. Calculation of Emissions ((limit to 600 characters):	•		
(0.0054 lb PM/ton) x (35 ton	•	D2.61		
$(0.19 \text{ lb PM/hr}) \times (8760 \text{ hr/yr}) \times (1 \text{ ton/}2000 \text{ lbs}) = 0.83 \text{ tons PM/yr}$		PM/yr		
	·	•		
11. Pollutant Potential Emissions Comment (limit to 200 characters): Emission factor for				
uncontrolled tertiary crushi	ng was used to provide a conser	vative estimate for		
particulate emissions.				
	•			

Allowable Emissions 1 of 1

 Basis for Allowable Emissions Code: Rule 	2. Future Effective Date of Allowable Emissions: N/A		
3. Requested Allowable Emissions and Units: 0.0054 lb PM/ton	4. Equivalent Allowable Emissions: 0.19 lb/hour 0.83 tons/year		
5. Method of Compliance (limit to 60 characters): EPA Method 9			

DEP Form No. 62-210.900(3) - Form

Emissions Unit Information Section 6 of 6

[No ID: Fugitive Emissions—Outside Building]

E. VISIBLE EMISSIONS INFORMATION (Only Emissions Units Subject to a VE Limitation)

<u>Visible Emissions Limitation:</u> Visible Emissions Limitation <u>1</u> of <u>2</u>

1. Visible Emissions Subtype: VE10	2. Basis for Allowable	2. Basis for Allowable Opacity:	
	[X] Rule	[] Other	
3. Requested Allowable Opacity:			
-	~ · ·		
Maximum Period of Excess Opacity Allowed:		0 min/hour	
4. Method of Compliance: EPA Metho	od 9	 -	
	· 		
5. Visible Emissions Comment (limit to	o 200 characters):		
Per 40 CFR 60.672, this emissions limi		nissions from	
equipment, except for crushers, subject			
enclosed building.	, .	,	
•			
<u>Visible Emissions Limitation:</u> Visible	Emissions Limitation 2 of 2		
1. Visible Emissions Subtype: VE15	2. Basis for Allowable	2. Basis for Allowable Opacity:	
3 F	[X] Rule	Other	
3. Requested Allowable Opacity:			
<u> </u>			
Maximum Period of Excess Opacity Allowed:		15% 0 min/hour	
		; v mminioui	
4. Method of Compliance: EPA Metho	od 0		
4. Wedned of Compitation. El A Wedne	,		
5. Visible Emissions Comment (limit to	200 characters):		
Per 40 CFR 60.672, this emissions limit	•	o 40 CFR 60.	
Subpart OOO outside of the enclosed		0 40 011 00,	
Suspair Coo outside of the enclosed	banding.	•	
	·		

Emissions Unit Information Section 6 of 6

[No ID: Fugitive Emissions—Outside Building]

F. CONTINUOUS MONITOR INFORMATION

(Only Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System: Continuous Monitor N/A of N/A

1.	Parameter Code: N/A	2. Pollutant(s): N/A
3.	CMS Requirement: N/A	[] Rule [] Other
4.	Monitor Information: N/A Manufacturer: N/A Model Number: N/A	Serial Number: N/A
5.	Installation Date: N/A	6. Performance Specification Test Date: N/A
7.	Continuous Monitor Comment (limit to 200	characters): N/A

60

Effective: 2/11/99

Emissions Unit Information Section 6 of 6

[No ID: Fugitive Emissions—Outside Building]

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1.	Process Flow Diagram				
	[X] Attached, Document ID: Supporting Documentation [] Not Applicable				
	[] Waiver Requested				
2.	Fuel Analysis or Specification				
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested				
3.	Detailed Description of Control Equipment				
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested				
4.	Description of Stack Sampling Facilities				
	[] Attached, Document ID: [] Not Applicable [X] Waiver Requested				
5.	Compliance Test Report				
	[] Attached, Document ID:				
	[] Previously submitted, Date:				
	[X] Not Applicable				
6.	Procedures for Startup and Shutdown				
	[] Attached, Document ID: [X] Not Applicable [] Waiver Requested				
7.	Operation and Maintenance Plan				
-	[] Attached, Document ID: [X] Not Applicable [] Waiver Requested				
8.	Supplemental Information for Construction Permit Application				
	[X] Attached, Document ID: Supporting Documentation [] Not Applicable				
9.	Other Information Required by Rule or Statute				
	[] Attached, Document ID: [X] Not Applicable				
10.	Supplemental Requirements Comment: N/A				
i					
i					

Effective: 2/11/99

Consolidated Minerals, Inc. Center Hill Hi-Cal Plant Facility ID 1190018

Air Construction Permit Application

Supporting Documentation

EU002: Dust Collector 1 for Dryers

EU003: Dust Collector 2 for Screening

and Milling Operations

EU004: Dust Collector 3 for Milling

Operations

EU005: Dust Collector 4 for Silos

No I.D: Fugitive Emissions—Enclosed

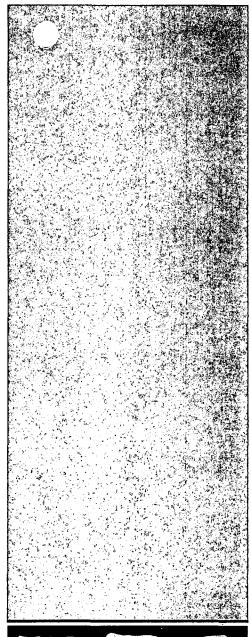
Building

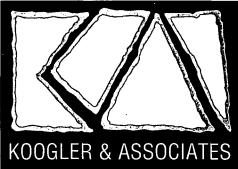
No I.D.: Fugitive Emissions—Outside

Building

PREPARED BY: KOOGLER & ASSOCIATES, INC.

REVISION: August 3, 2005





ENVIRONMENTAL SERVICES

4014 NW THIRTEENTH STREET GAINESVILLE, FLORIDA 32609 352/377-5822 • FAX/377-7158

Table of Contents

Process Description	
Drying Operations	
Screening Operations	
Crushing/Milling Operations	2
Product Handling Operations	3
Silo SS-1	
Silo SS-2	
Silo SS-3	
Silo SS-4	4
Tables & Figures Table 1: Equipment List	
1 aui 0 1 . Luululii Ciit List	

Process Description

Limestone is dried and processed to produce crushed stone meeting various specifications. Processing operations include hauling, drying, crushing, screening, conveying, stockpiling, and product handling.

Drying Operations

Stockpiled material is loaded into the load hopper (LH-1). The material from the load hopper (LH-1) is then placed on a belt conveyor (BC-1). The material on the belt conveyor (BC-1) is either deposited into a feed bin (BN-1) or crushed by a crusher (CR-01) and then deposited into a feed bin (BN-1).

From the feed bin (BN-1), the material is fed into the table feeder (TF-1) and loaded into the dryer (DR-1) via hopper for drying processes. The emissions from the dryer are captured by a dust collector (DC-1). Particulate matter collected in the dryer's dust collector (DC-1) is sent to the product line (LL-1) via screw conveyor (SC-1). The dust collector's gas stream is exhausted into the atmosphere (ST-1). The product line (LL-1) from the dust collector (DC-1) is blown (BL-1) into a silo (SS-3) for truck load out (LS-1).

The process flow diagram for drying operations can be seen in Figure 1. An equipment list can be seen in Table 1.

Screening Operations

Dried material from the dryer (DR-1), along with oversized material from the shaker screen (SN-1) that is screw conveyed (SC-4) and crushed via crusher (CR-02), are placed on a screw conveyor (SC-2). The screw conveyor (SC-2) deposits the material into a bucket elevator (BE-1). The bucket elevator (BE-1) then delivers the material to the shaker screen (SN-1).

The shaker screen (SN-1) is a triple pass screening system. Oversized material that does not pass through the first screen from the shaker screen (SN-1) either goes to a screw conveyor (SC-4) and gets crushed via crusher (CR-02) or is stored in a feed bin (BN-2). If the oversized material is sent to the crusher, it gets sent back to the shaker screen (SN-1) via screw conveyor (SC-2) and bucket elevator (BE-1). If the oversized material is sent to the feed bin (BN-2), then the material is fed to a belt conveyor (BC-3) and conveyed to a rotary feeder (VF-1) for the mill.

Material that does not pass the second screen of the shaker screen (SN-1) is either deposited in a feed bin (BN-2) with some of the oversized material or deposited on a belt conveyor (BC-4). If this material is deposited into the feed bin (BN-2), then the material is fed to a belt conveyor (BC-3) and conveyed to a rotary feeder (VF-1) for the mill. If the material is deposited onto a belt conveyor (BC-4), then it is dropped into a bucket elevator (BE-2) which deposits material into a silo (SS-1) for truck load out (LS-1).

Material that does not pass the third screen of the shaker screen (SN-1) is deposited into the product line (LL-3) and blown (BL-5) into a silo (SS-4) for truck load out (LS-1).

Material that passes all three screens of the shaker screen (SN-1) is deposited into the feed bin (BN-2) and fed to a belt conveyor (BC-3) and conveyed to a rotary feeder (VF-1)

Particulate matter from the screw conveyor (SC-2), bucket elevator (BE-2), belt conveyors (BC-3 and BC-4), feed bin (BN-2), and shaker screen (SN-1) are captured by a dust collector (DC-2). Particulate matter captured in the dust collector (DC-2) forms a product line (LL-2) and is blown into a silo (SS-3) for truck load out (LS-1). The dust collector's (DC-2) gas stream is exhausted into the atmosphere (FA-2).

The process flow diagram for screening operations can be seen in Figures 1 and 2. An equipment list can be seen in Table 1.

Crushing/Milling Operations

There are two crushers (CR-01, CR-02) and a Raymond Mill (RM-1) that comprise the crushing operations at this facility. Please refer to the drying and screening operation sections for process descriptions for Crusher 1 (CR-01) and Crusher 2 (CR-02). The process description for the Raymond Mill can be seen below.

Material is conveyed via belt conveyor (BC-3) to a variable speed rotary feeder (VF-1) for the Raymond Mill. The rotary feeder (VF-1) feeds the material into the Raymond Mill (RM-1). Particulate matter from the Raymond Mill is initially captured by a cyclone (CY-1). The cyclone (CY-1) recovers some of the material and sends it back to the Raymond Mill (RM-1) via fan (MF-1). The material in the cyclone (CY-1) is either recovered and sent back to the Raymond Mill (RM-1) via mill fan (MF-1) or enters the product line (LL-4) and is blown (BL-4) into silos (SS-2 and SS-3) for truck load out (LS-1).

Particulate matter from the belt conveyor (BC-3) is collected in Dust Collector 2 (DC-2). Particulate matter captured in the dust collector (DC-2) forms a product line (LL-2) and is blown into a silo (SS-3) for truck load out (LS-1). The dust collector's (DC-2) gas stream is exhausted into the atmosphere (FA-2).

Particulate matter from the mill fan (MF-1) is deposited in Dust Collector 3 (DC-3). Particulate matter captured in the dust collector (DC-3) enters the product line (LL-4) and is blown (BL-4) into a silo (SS-2 or SS-3) for truck load out (LS-1). The dust collector's (DC-3) gas stream is exhausted into the atmosphere (FA-3).

The process flow diagram for crushing/milling operations can be seen in Figures 1 and 2. An equipment list can be seen in Table 1.

Product Handling Operations

Product Handling Operations consist of four (4) silos (SS-1, SS-2, SS-3, and SS-4), screw conveyors (SC-4, SC-5), a bucket elevator (BE-2), and a load out spout (LS-1). The following are process descriptions for each silo.

Silo SS-1

Material from a bucket elevator (BE-2) is transported into a silo (SS-1). The material is then screw conveyed (SC-5) to a load out spout (LS-1) for truck loading. Particulate matter from the silo (SS-1) is sent to another silo (SS-2) via air slide.

Particulate matter emissions from the bucket elevator and load out spout (LS-1) are collected by a dust collector (DC-2). Particulate matter captured in the dust collector (DC-2) forms a product line (LL-2) and is blown into another silo (SS-3) for truck load out (LS-1). The dust collector's (DC-2) gas stream is exhausted into the atmosphere (FA-2).

Silo SS-2

Part of Product Line 4 (LL-4) is blown (BL-4) into a silo (SS-2) from milling operations. The material is then screw conveyed (SC-5) to a load out spout (LS-1) for truck loading. Particulate matter from the silo (SS-2) is sent to another silo (SS-3) via air slide.

Particulate matter emissions from the load out spout (LS-1) are collected by a dust collector (DC-2). Particulate matter captured in the dust collector (DC-2) forms a product line (LL-2) and is blown into another silo (SS-3) for truck load out (LS-1). The dust collector's (DC-2) gas stream is exhausted into the atmosphere (FA-2).

Silo SS-3

Product Lines 1, 2, and part of 4 (LL-1, LL-2, LL-4) are blown (BL-1, BL-2, BL-4) into a silo (SS-3). In addition, particulate matter from Dust Collector 4 (DC-4) is deposited into the silo (SS-3) as well. The material is then screw conveyed (SC-5) to a load out spout (LS-1) for truck loading.

Particulate matter from the silo (SS-3) is collected by a dust collector (DC-4) and is returned back into the silo (SS-3) for material recovery. The dust collector's (DC-4) gas stream is exhausted into the atmosphere (FA-4).

Particulate matter emissions from the load out spout (LS-1) are collected by a dust collector (DC-2). Particulate matter captured in the dust collector (DC-2) forms a product line (LL-2) and is blown into another silo (SS-3) for truck load out (LS-

1). The dust collector's (DC-2) gas stream is exhausted into the atmosphere (FA-2).

Silo SS-4

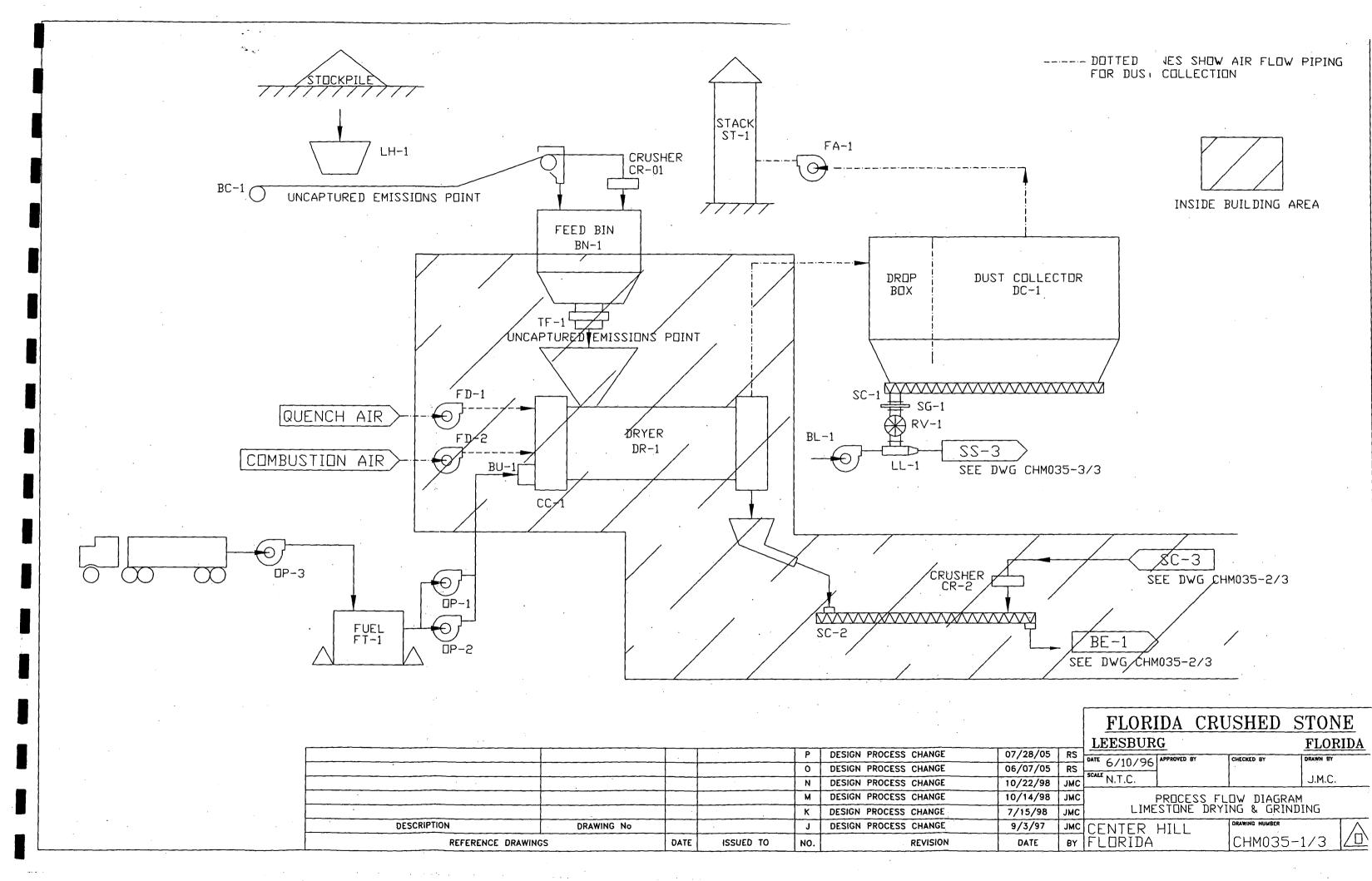
Product line 2 (LL-2) is blown (BL-5) into a silo (SS-4). The material is then screw conveyed (SC-4) to another screw conveyor (SC-5), which leads to the load out spout (LS-1) for truck loading. Particulate matter from the silo (SS-4) is sent to another silo (SS-2) via air slide.

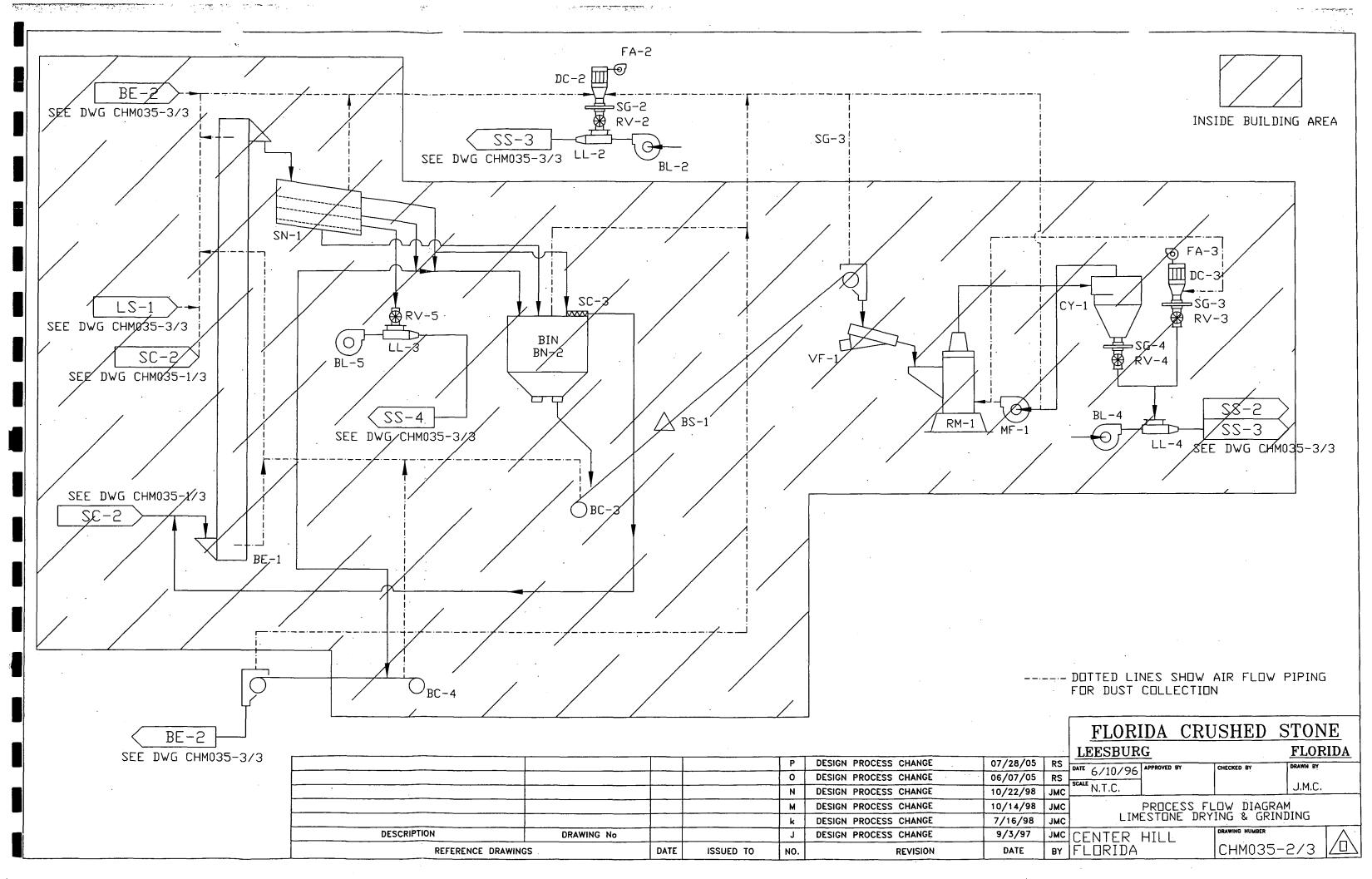
Particulate matter emissions from the load out spout (LS-1) are collected by a dust collector (DC-2). Particulate matter captured in the dust collector (DC-2) forms a product line (LL-2) and is blown into another silo (SS-3) for truck load out (LS-1). The dust collector's (DC-2) gas stream is exhausted into the atmosphere (FA-2).

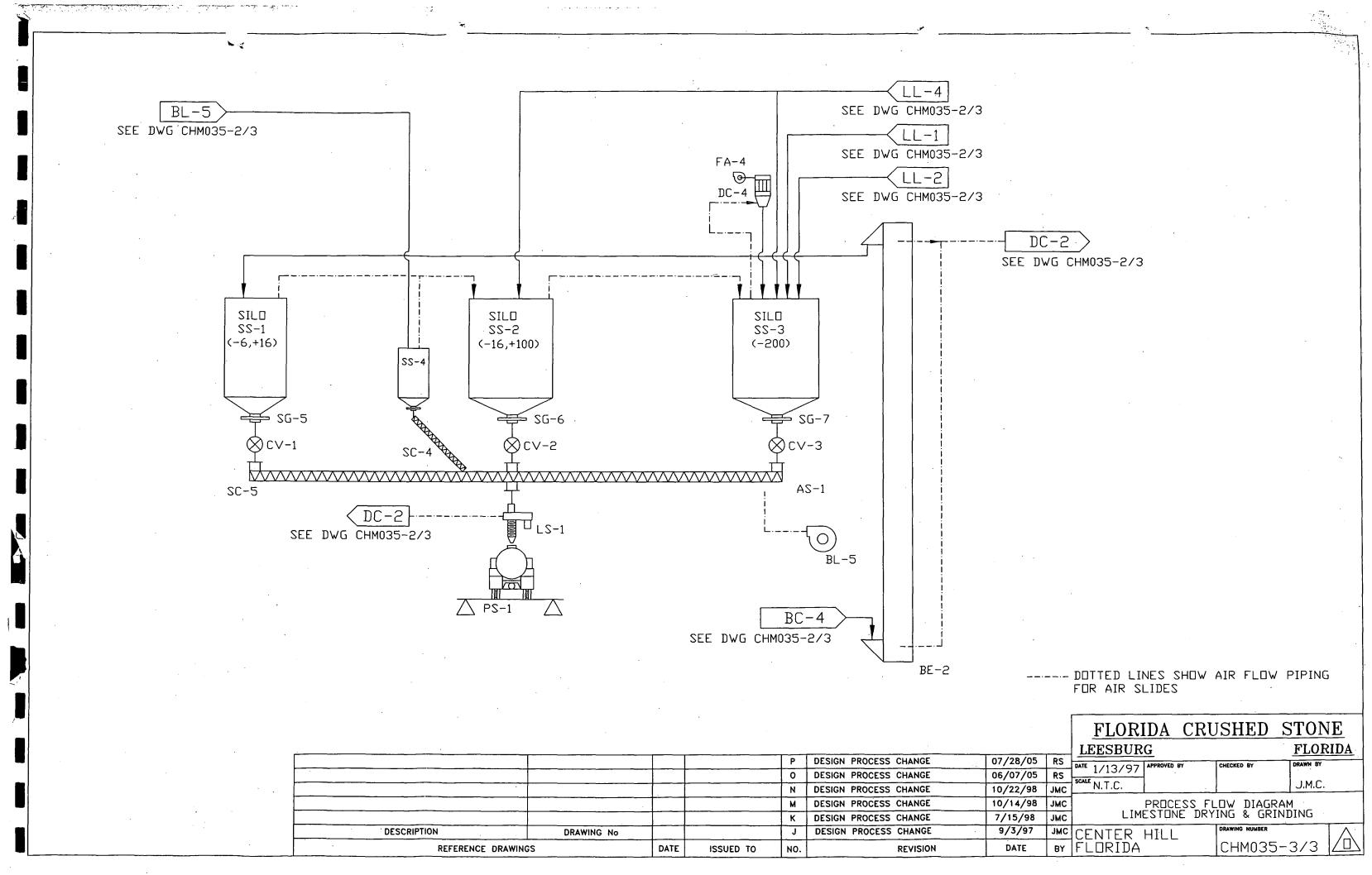
A process flow diagram for product handling operations can be seen in Figure 3. An equipment list can be seen in Table 1.

Table 1: Equipment List						
ltem	Description	Subject 40 CFR 60, Subpart OOO				
LL-1, 2, 3, & 4	Product line	No				
SS-1, 2, 3, & 4	Silos ¹	SS-1, 2, & 3—No				
ου-1, 2, ο, α τ	Chos	SS-4—Yes				
CV-1, 2, & 3	Control rotary valves for silos	No				
FA-1, 2, 3, & 4	Exhaust fans for dust collectors	No				
SG-1, 2, & 3	Service gates for dust collector rotary valves	No				
SG-4	Service gate for cyclone	No				
SG-5, 6, & 7	Service gates for silos	No				
LS-1	Load out spout	No				
PS-1	Truck scale	No				
RV-1, 2, & 3	Rotary valves for dust collectors	No				
RV-4	Rotary valve for cyclone	No				
RV-5	Rotary valve for shaker screen	No				
BL-1, 2	Blower for dust collector #1 & 2	No				
BL-4	Blower for mill	No				
BL-5	Blower from shaker screen to silo #4	No				
RM-1	Raymond Mill ²	No				
MF-1	Fan for Raymond Mill	No				
VF-1	Variable speed rotary feeder to mill	No				
BC-3	Belt conveyor from feed bin to mill	Yes				
BN-2	Feed bin #2	Yes				
SC-4	Screw Conveyor #4	No				
SN-1	Shaker Screen	Yes				
BE-1, 2	Bucket Elevators 1 &2	Yes				
BC-4	Belt Conveyor #4	Yes				
DC-1, 2, 3, &4	Dust Collectors Nos. 1, 2, 3, & 4	DC-1 & 3—No DC-2 & 4—Yes				
CR-1, 2	Crushers Nos. 1 & 2	Yes				
DR-1	Dryer	No				
CC-1	Combustion Chamber	No				
FD-1	Quench air fan	No				
FD-2	Combustion air fan	No				
SC-2	Screw Conveyor #2	. No				
BN-1	Feed Bin #1	Yes				
TF-1	Table feeder	. No				
BC-1	Belt Conveyor #1	Yes				
LH-1	Load Hopper for BC-1	Yes				
BU-1	Burner for dryer	No				
OP-1 & 2	Oil pumps for dryer	No				
OP-3	Oil pump to load fuel tank	No				
SC-1	Screw Conveyor #1	No				
CY-1	Cyclone	No				
SC-5	Screw Conveyor #5 from silo to load spout	No				
SC-3	Screw Conveyor #3 from shaker to crusher #2	No				

 $^{^1}$ Silos 1, 2, & 3 were constructed/reconstructed/modified prior to 8/31/1983. 2 Raymond Mill was constructed/reconstructed/modified prior to 8/31/1983.







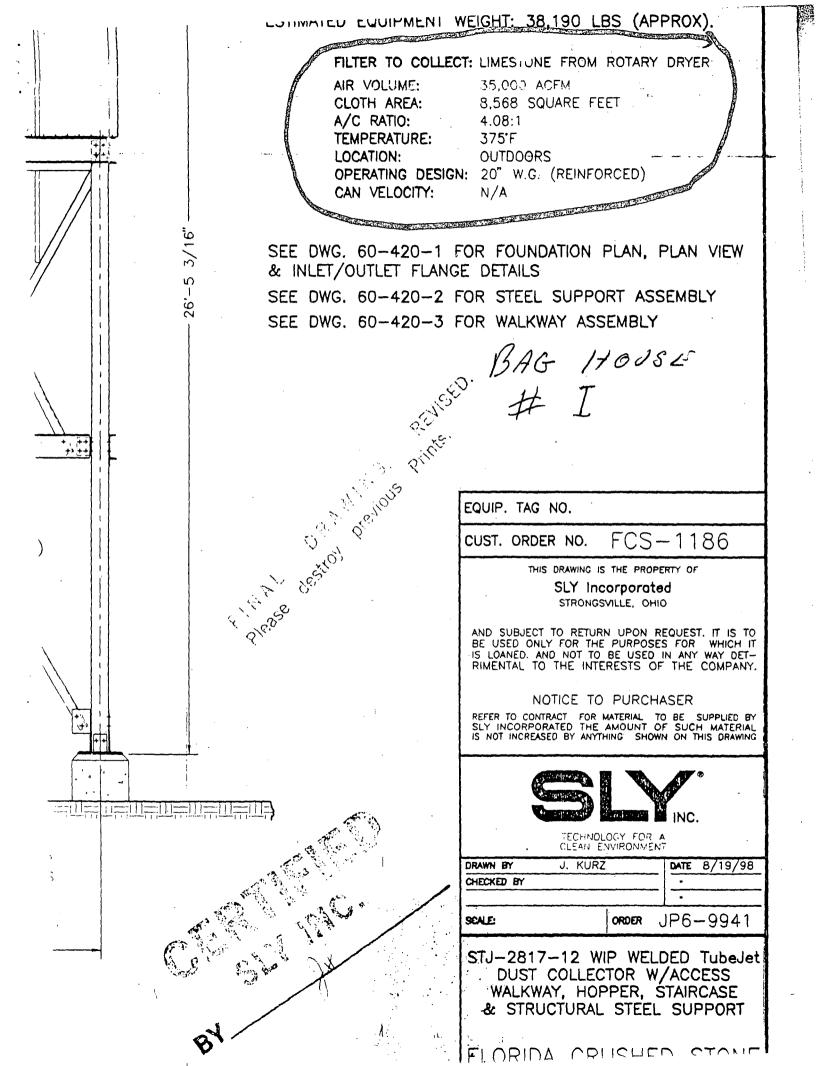
ATTACHMENT 2 DRYER RECORDS

Consolidated Minerals, Inc. Facility ID 1190018 Permit No. 1190018-008-AO

Recordkeeping Fuel Usage and Processing Rates

Month	Fuel Used	12-Month	Tons	12-Month	Hours	Hourly	Hourly
	Gallons	Rolling	Produced	Rolling	Operated	Tons	Tons
1				_	_		Wet (12%)
May 05	57,150	563,152	13,663	133,155	593.40	23.03	26.16
Jun 05	55,131	567,756	14,895	135,186	588.80	25.30	28.75

ATTACHMENT 3 BAGHOUSE SPECIFICATIONS



<u>EQUIPMENT WEIGHT: APPROX. 13.500 'BS</u> FILTER TO COLLECT: LIME ROCK 12,000 ACFM (12,800 ACFM FUTURE) AIR VOLUME: 2,925 SQUARE FEET CLOTH AREA: A/C RATIO: 4.1:1 0-200°F TEMPERATURE: LOCATION: **OUTDOORS** PRESSURE DESIGN: ±20 W.G. FOR FOUNDATION PLAN SEE DWG. NO. 60-429-1 3/8"-16 X 1-1/2" HEX BOLT EMBLY UNIFOAM GASKET W/ PSA 3/16" THK. X 2 1/2" 3/8" BEVEL WASHER /8"-16 HEX NUT SUPPORT CHANNEL VIEW "A" ASSEMBLY BY CUSTOMER

BAG HOUSE # 2

EQUIP. TAG NO. TAG DC-2

CUST. ORDER NO. FCS-1207

THIS DRAWING IS THE PROPERTY OF SLY Incorporated STRONGSVILLE, OHIO

AND SUBJECT TO RETURN UPON REQUEST. IT IS TO BE USED ONLY FOR THE PURPOSES FOR WHICH IT IS LOANED. AND NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTERESTS OF THE COMPANY.

NOTICE TO PURCHASER

REFER TO CONTRACT FOR MATERIAL TO BE SUPPLIED BY SLY INCORPORATED THE AMOUNT OF SUCH MATERIAL IS NOT INCREASED BY ANYTHING SHOWN ON THIS DRAWING



TECHNOLOGY FOR A CLEAN ENVIRONMENT

DRAWN BY S. MORDAUNT
CHECKED BY

DATE 9-29-98

SCALE: 1/2"=1' | ORDER JP6-9964

STJ-1315-10 TubeJet DUST COLLECTOR

FOR

FLORIDA CRUSHED STONE

60-429 (C

ONE COAT OF TILICONE ALKYD HIGH TEMP. PRIMEF TO ALL EXPOSED EX. NAL & INTERNAL CARBON STEEL SC. ACES, ONE COAT OF MODIFIED ACRYLIC ENAMEL FINISH PAINT (O.S.H.A. BLUE) TO ALL EXTERNAL SURFACES.

MAX TEMPERATURE: 275°

EQUIPMENT WEIGHT: APPROX. 3,700 LBS.

FILTER TO COLLECT: LIME ROCK

AIR VOLUME:

4,000 CFM

CLOTH AREA:

840 SQUARE FEET

A/C RATIO:

4.8:1

TEMPERATURE:

200°F

LOCATION:

INDOORS

PRESSURE DESIGN:

±20 W.G.

EQUIP. TAG NO. TAG DC-3

CUST. ORDER NO. FCS-1207

THIS DRAWING IS THE PROPERTY OF SLY Incorporated STRONGSVILLE, OHIO

BAG HOUSE #3

AND SUBJECT TO RETURN UPON REQUEST. IT IS TO BE USED ONLY FOR THE PURPOSES FOR WHICH IT IS LOANED. AND NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTERESTS OF THE COMPANY.

NOTICE TO PURCHASER

REFER TO CONTRACT FOR MATERIAL TO BE SUPPLIED BY SLY INCORPORATED THE AMOUNT OF SUCH MATERIAL IS NOT INCREASED BY ANYTHING SHOWN ON THIS DRAWING



TECHNOLOGY FOR A CLEAN ENVIRONMENT

DRAWN BY S. MORDAUNT	DATE 10-1-98
CHECKED BY	•
	

SCALE: 1/2"=1'

ORDER JP6-9965

STJ-78-10 TubeJet DUST COLLECTOR

FOR

FLORIDA CRUSHED STONE

60-430 (C

APPLICATION:

SILO VENT

AIR VOLUME:

6000 ACFM

TEMPERATURE:

200°F

INLET LOADING:

UNKNOWN

MATERIAL COLLECTED: LIME ROCK

FILTER AREA:

1200 ft²

BAG 14005E

AIR/CLOTH RATIO:

6.25:1

LOCATION:

OUTDOORS

PRESSURE DESIGN:

±20" w.c.

COLLECTOR MAT'L:

12 GAUGE CARBON STEEL

FINAL destroy previous prints.

EQUIP. TAG NO. DC-4

CUST. ORDER NO. FCS-1207

THIS DRAWING IS THE PROPERTY OF SLY Incorporated STRONGSVILLE, OHIO

AND SUBJECT TO RETURN UPON REQUEST. IT IS TO BE USED ONLY FOR THE PURPOSES FOR WHICH IT IS LOANED. AND NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTERESTS OF THE COMPANY.

NOTICE TO PURCHASER

REFER TO CONTRACT FOR MATERIAL TO BE SUPPLIED BY SLY INCORPORATED THE AMOUNT OF SUCH MATERIAL IS NOT INCREASED BY ANYTHING SHOWN ON THIS DRAWING



TECHNOLOGY FOR A CLEAN ENVIRONMENT

DRAWN BY J. HOLLINGSWORTH CHECKED BY

DATE9-29-98;

504 = 12

ORDER JP6-9966

STJ-88-10 BV TubeJet DUST - COLLECTOR

FOR

FLORIDA CRUSHED STONE



Department of Environmental Protection

Division of Air Resources Management

APPLICATION FOR AIR PERMIT - NON-TITLE V SOURCE

See Instructions for Form No. 62-210.900(3)

I. APPLICATION INFORMATION

Identification of Facility

1.	Facility Owner/Company Name: Consolidated Minerals, Inc.					
2.	Site Name: Center Hill Hi-Cal Plant					
3.	Facility Identification Number: 1190018 [] Unknown					
4.	Facility Location: Street Address or Other Locator: State Road 48 West					
	City: Center Hill County:	Sumter	Zip Code: 33514			
5.	Relocatable Facility?	1	Permitted Facility?			
	[] Yes [X] No	[X] Yes	[] No			
Ap	Application Contact					
ļ. 	1. Name and Title of Application Contact: Veronica N. Sgro, E.I.					
2.	Application Contact Mailing Address: Organization/Firm: Koogler & Associates, Inc.					
	Street Address: 4014 NW 13 th Street					
	City: Gainesville	State: FL	Zip Code: 32609			
3.	3. Application Contact Telephone Numbers:					
Ĺ	Telephone: (352) 377-5822 Fax: (352) 377-7158					
Application Processing Information (DEP Use)						
1.	. Date of Receipt of Application:					
2.	Date of Receipt of Application: 10-20-05 Permit Number: 1190018-012-40					

Rec'd. 05pm

DEP Form No. 62-210.900(3) - Form

Effective: 2/11/99