

CMI

DER CONSOLIDATED MINERALS, INC.
FEED SUPPLEMENT DIVISION

DEC 08 1987

November 23, 1987

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Mr. William A. Thomas, P.E.
Stationary Source Control Group
Department of Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32301

Dear Mr. Thomas:

Please find enclosed an application and fee for a construction permit of a third holding bin at the CDP Truck Loading Facility with Baghouse, Permit No. A029-130178.

At the present time we have two holding bins for CDP product which are controlled by a Micro Pulsaire Dust Collector. With this construction permit we would build a third holding bin between the two existing bins. The same pollution control equipment that is presently being used for the two existing bins would be used for the third bin also.

When the original permit, A029-130178, was issued in 1982 the load out facility was declared a state of the art facility by DER. This facility has continued to operate at or above expected levels. With the addition of the third bin it would fall under this same dust collector.

Should you have any questions or comments concerning this application, please contact me.

Sincerely,

Robert L. Harrison Jr.

Robert L. Harrison, Jr.
Environmental Supervisor

RLH:cr

Enclosure

cc: Dan A. Williams/DER
Jerry Campbell/HCEPC
Frank W. Cheesman

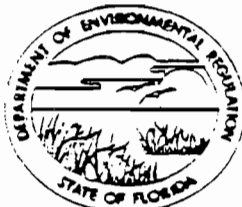
1031

RECEIVED
DER - NAIL ROOM
1987 DEC - 8 AM 9:38

DEPARTMENT OF ENVIRONMENTAL REGULATION

Sub Code 05
\$100.00
Receipt # 117508
AC 29-143106

TWIN TOWERS OFFICE BUILDING
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32301



RECEIVED
DER - MAIL ROOM
VICTORIA J. TSCHINKEL
GOVERNOR
SECRETARY

1987 DEC -8 AM 9:38

APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE: Point Source (Air Pollution) [] New¹ [X] Existing¹
APPLICATION TYPE: [] Construction [] Operation [X] Modification
COMPANY NAME: Consolidated Minerals, Inc. COUNTY: Hillsborough
Identify the specific emission point source(s) addressed in this application (i.e. Lime
Kiln No. 4 with Venturi Scrubber; Peaking Unit No. 2, Gas Fired) CDP Truck Loading with Bag
SOURCE LOCATION: Street Coronet Road City Plant City House
UTM: East 17-393.8 North 3096.3
Latitude ° ' "N Longitude ° ' "W
APPLICANT NAME AND TITLE: F. W. Cheesman, President
APPLICANT ADDRESS: P. O. Box 790, Plant City, FL 34289

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

A. APPLICANT

I am the undersigned owner or authorized representative* of Consolidated Minerals, Inc.

I certify that the statements made in this application for a construction permit are true, correct and complete to the best of my knowledge and belief. Further, I agree to maintain and operate the pollution control source and pollution control facilities in such a manner as to comply with the provision of Chapter 403, Florida Statutes, and all the rules and regulations of the department and revisions thereof. I also understand that a permit, if granted by the department, will be non-transferable and I will promptly notify the department upon sale or legal transfer of the permitted establishment.

*Attach letter of authorization

Signed: F. W. Cheesman

F. W. Cheesman/President - Feed Supplement Div.
Name and Title (Please Type)

Date: 11/19/87 Telephone No. (813)752-1161

B. PROFESSIONAL ENGINEER REGISTERED IN FLORIDA (where required by Chapter 471, F.S.)

This is to certify that the engineering features of this pollution control project have been designed/examined by me and found to be in conformity with modern engineering principles applicable to the treatment and disposal of pollutants characterized in the permit application. There is reasonable assurance, in my professional judgment, that

See Florida Administrative Code Rule 17-2.100(57) and (104)

the pollution control facilities, when properly maintained and operated, will discharge an effluent that complies with all applicable statutes of the State of Florida and the rules and regulations of the department. It is also agreed that the undersigned will furnish, if authorized by the owner, the applicant a set of instructions for the proper maintenance and operation of the pollution control facilities and, if applicable, pollution sources.

Signed Anthony R. Lenkei

Anthony R. Lenkei
Name (Please Type)

Consolidated Minerals, Inc.
Company Name (Please Type)

P. O. Box 790 Plant City, FL 34289
Mailing Address (Please Type)

Florida Registration No. 8716 Date: 12/02/87 Telephone No. 813-752-1161

SECTION II: GENERAL PROJECT INFORMATION

A. Describe the nature and extent of the project. Refer to pollution control equipment, and expected improvements in source performance as a result of installation. State whether the project will result in full compliance. Attach additional sheet if necessary.

See attached sheet

B. Schedule of project covered in this application (Construction Permit Application Only)

Start of Construction 12/15/87 Completion of Construction 2/15/88

C. Costs of pollution control system(s): (Note: Show breakdown of estimated costs only for individual components/units of the project serving pollution control purposes. Information on actual costs shall be furnished with the application for operation permit.)

Duct work, tank construction and miscellaneous - \$42,000

D. Indicate any previous DER permits, orders and notices associated with the emission point, including permit issuance and expiration dates.

This loading facility is under FDER permit number A029-130178 issued 4/1/87 and expires on 4/16/92

E. Requested permitted equipment operating time: hrs/day _____; days/wk _____; wks/yr _____; if power plant, hrs/yr N/A; if seasonal, describe: Intermittent operation due to market conditions and plant production. The emissions control equipment will be operated continuously during loading periods. The operating time will not exceed 1400 hours on an annual basis.

F. If this is a new source or major modification, answer the following questions. (Yes or No)

1. Is this source in a non-attainment area for a particular pollutant? N/A
a. If yes, has "offset" been applied? N/A
b. If yes, has "Lowest Achievable Emission Rate" been applied? N/A
c. If yes, list non-attainment pollutants. _____ N/A

2. Does best available control technology (SACT) apply to this source? No*
If yes, see Section VI.

3. Does the State "Prevention of Significant Deterioration" (PSD) requirement apply to this source? If yes, see Sections VI and VII. No

4. Do "Standards of Performance for New Stationary Sources" (NSPS) apply to this source? No

5. Do "National Emission Standards for Hazardous Air Pollutants" (NESHAP) apply to this source? No

H. Do "Reasonably Available Control Technology" (RACT) requirements apply to this source? _____

a. If yes, for what pollutants? _____

b. If yes, in addition to the information required in this form, any information requested in Rule 17-2.650 must be submitted.

Attach all supportive information related to any answer of "Yes". Attach any justification for any answer of "No" that might be considered questionable.

*A BACT determination was made on this unit prior to issuance of the construction permit, A029-130178.

SECTION III: AIR POLLUTION SOURCES & CONTROL DEVICES (Other than Incinerators)

A. Raw Materials and Chemicals Used in your Process, if applicable:

Description	Contaminants		Utilization Rate - lbs/hr	Relate to Flow Diagram
	Type	% Wt		
Defluorinated	Particulate	N/A	250,000	See attachment D
Animal Feed				

B. Process Rate, if applicable: (See Section V, Item 1)

1. Total Process Input Rate (lbs/hr): N/A (Product Loading Facility)

2. Product Weight (lbs/hr): 250,000 lb/hr Defluorinated Animal Feed

C. Airborne Contaminants Emitted: (Information in this table must be submitted for each emission point, use additional sheets as necessary)

Name of Contaminant	Emission ¹		Allowed ² Emission Rate per Rule 17-2	Allowable ³ Emission lbs/hr	Potential ⁴ Emission		Relate to Flow Diagram
	Maximum lbs/hr	Actual T/yr			lbs/yr	T/yr	
Particulate	2.15	1.5	17-2.23*	2.15*	393.2	275	D

¹See Section V, Item 2.

²Reference applicable emission standards and units (e.g. Rule 17-2.600(5)(b)2. Table II, E. (1) - 0.1 pounds per million BTU heat input)

³Calculated from operating rate and applicable standard.

⁴Emission, if source operated without control (See Section V, Item 3).

*This allowable was jointly agreed upon by FDER and the company when this unit was initially installed.

J. Control Devices: (See Section V, Item 4)

Name and Type (Model & Serial No.)	Contaminant	Efficiency	Range of Particles Size Collected (in microns) (If applicable)	Basis for Efficiency (Section V Item 5)
Micro Pulsare	Particulate	+99.5%	40 to 45	manufacture specification
Model IFI-48				
Serial #81433HI				
Type 2-TR-1-60				

E. Fuels

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	avg/hr	max./hr	
N/A			

*Units: Natural Gas--MMCF/hr; Fuel Oils--gallons/hr; Coal, wood, refuse, other--lbs/hr.

Fuel Analysis:

Percent Sulfur: _____ Percent Ash: _____

Density: _____ lbs/gal Typical Percent Nitrogen: _____

Heat Capacity: _____ BTU/lb _____ BTU/gal

Other Fuel Contaminants (which may cause air pollution): _____

F. If applicable, indicate the percent of fuel used for space heating. N/A

Annual Average _____ Maximum _____

G. Indicate liquid or solid wastes generated and method of disposal.

All collected dust will be returned to the process.

H. Emission Stack Geometry and Flow Characteristics (Provide data for each stack):

Stack Height: 62 ft. Stack Diameter: 20.5" x 16.88" ft.
 Gas Flow Rate: 12500 ACFM DSCFM Gas Exit Temperature: Ambient °F.
 Water Vapor Content: N/A % Velocity: 86.7 FPS

SECTION IV: INCINERATOR INFORMATION

N/A

Type of Waste	Type 0 (Plastics)	Type I (Rubbish)	Type II (Refuse)	Type III (Garbage)	Type IV (Pathological)	Type V (Liq. & Gas By-prod.)	Type VI (Solid By-prod.)
Actual lb/hr Incinerated							
Uncontrolled (lbs/hr)							

Description of Waste _____

Total Weight Incinerated (lbs/hr) _____ Design Capacity (lbs/hr) _____

Approximate Number of Hours of Operation per day _____ day/wk _____ wks/yr. _____

Manufacturer _____

Date Constructed _____ Model No. _____

	Volume (ft) ³	Heat Release (BTU/hr)	Fuel		Temperature (°F)
			Type	BTU/hr	
Primary Chamber					
Secondary Chamber					

Stack Height: _____ ft. Stack Diameter: _____ Stack Temp. _____

Gas Flow Rate: _____ ACFM _____ DSCFM* Velocity: _____ FPS

*If 50 or more tons per day design capacity, submit the emissions rate in grains per standard cubic foot dry gas corrected to 50% excess air.

Type of pollution control device: Cyclone Wet Scrubber Afterburner
 Other (specify) _____

Brief description of operating characteristics of control devices: _____

Ultimate disposal of any effluent other than that emitted from the stack (scrubber water, ash, etc.):

NOTE: Items 2, 3, 4, 6, 7, 8, and 10 in Section V must be included where applicable.

SECTION V: SUPPLEMENTAL REQUIREMENTS

Please provide the following supplements where required for this application.

1. Total process input rate and product weight -- show derivation [Rule 17-2.100(127)]
See Attachment A
2. To a construction application, attach basis of emission estimate (e.g., design calculations, design drawings, pertinent manufacturer's test data, etc.) and attach proposed methods (e.g., FR Part 60 Methods 1, 2, 3, 4, 5) to show proof of compliance with applicable standards. To an operation application, attach test results or methods used to show proof of compliance. Information provided when applying for an operation permit from a construction permit shall be indicative of the time at which the test was made. See Attachment B
3. Attach basis of potential discharge (e.g., emission factor, that is, AP42 test).
See Attachment C
4. With construction permit application, include design details for all air pollution control systems (e.g., for baghouse include cloth to air ratio; for scrubber include cross-section sketch, design pressure drop, etc.) See Attachment F
5. With construction permit application, attach derivation of control device(s) efficiency. Include test or design data. Items 2, 3 and 5 should be consistent: actual emissions = potential (1-efficiency). N/A
6. An 8 1/2" x 11" flow diagram which will, without revealing trade secrets, identify the individual operations and/or processes. Indicate where raw materials enter, where solid and liquid waste exit, where gaseous emissions and/or airborne particles are evolved and where finished products are obtained. See Attachment D
7. An 8 1/2" x 11" plot plan showing the location of the establishment, and points of airborne emissions, in relation to the surrounding area, residences and other permanent structures and roadways (Example: Copy of relevant portion of USGS topographic map).
See Attachment E
8. An 8 1/2" x 11" plot plan of facility showing the location of manufacturing processes and outlets for airborne emissions. Relate all flows to the flow diagram.
See Attachment E

9. The appropriate application fee in accordance with Rule 17-4.05. The check should be made payable to the Department of Environmental Regulation.
10. With an application for operation permit, attach a Certificate of Completion of Construction indicating that the source was constructed as shown in the construction permit.

SECTION VI: BEST AVAILABLE CONTROL TECHNOLOGY

A. Are standards of performance for new stationary sources pursuant to 40 C.F.R. Part 60 applicable to the source? ^{N/A}

Yes No

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

B. Has EPA declared the best available control technology for this class of sources (if yes, attach copy)

Yes No

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

C. What emission levels do you propose as best available control technology?

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

D. Describe the existing control and treatment technology (if any).

- | | |
|---------------------------|--------------------------|
| 1. Control Device/System: | 2. Operating Principles: |
| 3. Efficiency:* | 4. Capital Costs: |

*Explain method of determining

- 5. Useful Life:
- 7. Energy:
- 9. Emissions:

- 6. Operating Costs:
- 8. Maintenance Cost:

Contaminant	Rate or Concentration

10. Stack Parameters

- a. Height: ft. b. Diameter: ft.
- c. Flow Rate: ACFM d. Temperature: °F.
- e. Velocity: FPS

E. Describe the control and treatment technology available (As many types as applicable, use additional pages if necessary).

1.
 - a. Control Device: b. Operating Principles:
 - c. Efficiency:¹ d. Capital Cost:
 - e. Useful Life: f. Operating Cost:
 - g. Energy ² h. Maintenance Cost:
 - i. Availability of construction materials and process chemicals:
 - j. Applicability to manufacturing processes:
 - k. Ability to construct with control device, install in available space, and operate within proposed levels:

2.
 - a. Control Device: b. Operating Principles:
 - c. Efficiency:¹ d. Capital Cost:
 - e. Useful Life: f. Operating Cost:
 - g. Energy:² h. Maintenance Cost:
 - i. Availability of construction materials and process chemicals:

¹Explain method of determining efficiency.

²Energy to be reported in units of electrical power - KWH design rate.

j. Applicability to manufacturing processes:

k. Ability to construct with control device, install in available space, and operate within proposed levels:

3.

a. Control Device:

b. Operating Principles:

c. Efficiency:¹

d. Capital Cost:

e. Useful Life:

f. Operating Cost:

g. Energy:²

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

j. Applicability to manufacturing processes:

k. Ability to construct with control device, install in available space, and operate within proposed levels:

4.

a. Control Device:

b. Operating Principles:

c. Efficiency:¹

d. Capital Costs:

e. Useful Life:

f. Operating Cost:

g. Energy:²

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

j. Applicability to manufacturing processes:

k. Ability to construct with control device, install in available space, and operate within proposed levels:

5. Describe the control technology selected:

1. Control Device:

2. Efficiency:¹

3. Capital Cost:

4. Useful Life:

5. Operating Cost:

6. Energy:²

7. Maintenance Cost:

8. Manufacturer:

9. Other locations where employed on similar processes:

a. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

Explain method of determining efficiency.

Energy to be reported in units of electrical power - KWH design rate.

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:¹

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

(8) Process Rate:¹

b. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:¹

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

(8) Process Rate:¹

10. Reason for selection and description of systems:

¹Applicant must provide this information when available. Should this information not be available, applicant must state the reason(s) why.

SECTION VII - PREVENTION OF SIGNIFICANT DETERIORATION

4. Company Monitored Data N/A

1. _____ no. sites _____ TSP _____ () SO₂* _____ Wind spd/dir

Period of Monitoring _____ / _____ / _____ to _____ / _____ / _____
month day year month day year

Other data recorded _____

Attach all data or statistical summaries to this application.

Specify bubbler (B) or continuous (C).

2. Instrumentation, Field and Laboratory

- a. Was instrumentation EPA referenced or its equivalent? Yes No
- b. Was instrumentation calibrated in accordance with Department procedures?
 Yes No Unknown

B. Meteorological Data Used for Air Quality Modeling

1. _____ Year(s) of data from _____ / _____ / _____ to _____ / _____ / _____
month day year month day year
2. Surface data obtained from (location) _____
3. Upper air (mixing height) data obtained from (location) _____
4. Stability wind rose (STAR) data obtained from (location) _____

C. Computer Models Used

1. _____ Modified? If yes, attach description.
2. _____ Modified? If yes, attach description.
3. _____ Modified? If yes, attach description.
4. _____ Modified? If yes, attach description.

Attach copies of all final model runs showing input data, receptor locations, and principle output tables.

D. Applicants Maximum Allowable Emission Data

Pollutant	Emission Rate
TSP	_____ grams/sec
SO ₂	_____ grams/sec

E. Emission Data Used in Modeling

Attach list of emission sources. Emission data required is source name, description of point source (on NEDS point number), UTM coordinates, stack data, allowable emissions, and normal operating time.

F. Attach all other information supportive to the PSD review.

G. Discuss the social and economic impact of the selected technology versus other applicable technologies (i.e., jobs, payroll, production, taxes, energy, etc.). Include assessment of the environmental impact of the sources.

H. Attach scientific, engineering, and technical material, reports, publications, journals, and other competent relevant information describing the theory and application of the requested best available control technology.

ATTACHMENT A

Total Process Input Weight

Not Applicable

Product Weight

Tons per hour of CDP (Defluorinated Animal Food Product) limited
by the size of the storage bin discharge opening
maximum rate = 125 tons per hour

Best Available Copy

Mr. Joe Floyd

DATE: January 28, 1982

FROM: George Townsend

SUBJECT: Bulk Truck Loading Baghouse Emissions

As per your request, tests were conducted on January 27, 1982, to determine the particulate emission levels at the recently modified bulk truck loading baghouse. The additional information requested from baghouse instrumentation was also collected. During the test three samples were taken and the baghouse instruments were read at the beginning of each test. Test results and readings taken are summarized below. For additional information see attached data.

BULK TRUCK LOADING BAGHOUSE OUTLET DATA

Run	OUTLET CONDITIONS			PARTICULATE EMISSIONS	
	DSCFM	Temp °F	S.P. "H ₂ O	Lbs./Hr.	Grains/DSCF
1	10,919	54	10.4	0.52	.0056
2	11,402	58	10.8	0.48	.0049
3	12,032	62	10.8	0.64	.0062
Avg.	11,451	58	10.7	0.55	.0056

Allowable Particulate Emissions - .02 Grains/DSCF

BAGHOUSE INSTRUMENT READINGS

Run	Fan Ampmeter	Monometer - "H ₂ O
1	29.5	0.8
2	29.5	0.9
3	29.5	0.9
Avg.	29.5	0.87

George Townsend
George Townsend

GT/rit

cc: Mr. J. J. Lewis/Without Attachment
Mr. N. W. Lowrey/With Attachment
~~_____~~
Mr. G. P. Uebelhoer/Without Attachment

Coronet Truck
 "Stack Loading Outlet" Date 1-27-82
 "Run 1" Time 9:15 - 9:23 "

Barometric Pressure (corrected) 30.31 "Hg
 Average ΔH 8900 "H₂O
 Metered Volume 4.5 Cu. Ft.
 Meter Temperature 53.1 OF
 Stack Temperature 53.6 OF
 Average $\sqrt{\Delta P}$ 1.8295 "H₂O
 Ml H₂O Increase 0 Grams
 Silica gel wt. gain 1.1 Grams
 Stack Area "I.D. 18 1.7672 Sq. Ft.
 Probe Area "I.D. 1.26 .000087 Sq. Ft.
 Probe Wash Particulate 1.7 Milligrams
 Filter wt. gain 0.0 Milligrams
 Time "Theta" 8 Minutes
 Pitot Corr. .8336 Factor

RESULTS

CONDITIONS

EMISSION

<u>SCFM</u>	<u>TEMP. °F</u>	<u>LBS/HR</u>	<u>GRAINS/DSCF</u>
10,919	54	0.52	.0056

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GENERAL
PARTICULATE
METHOD

TEST?

CORONET TRUCK
LOADING OUTLET
1-27-82 R 1
9:15-9:23

DATA SUMMARY:

BAR. PRESS.?
30.31
AVG DELTA H?
0.8900
METERED VOL?
4.50
METER TEMP?
53.10
STACK TEMP?
53.60
SQRT DELTA P?
1.8295
ML. H2O INC?
0.00
SIL GEL WT GAIN?
1.10
STACK AREA?
1.7672
PROBE AREA?
0.70 -05
PROBE WASH PART?
1.70
FILTER WT GAIN?
0.00
TIME THETA?
0.00
PITOT FACTOR?
0.83

DRY GAS VOL=
4.70 S.C.F.

VOLUME OF
H2O VAPOR=
0.05 S.C.F.

MOISTURE
CONTENT= 0.0109
PROPORTION BY
VOLUME

PARTICULATE
CONCENTRATION=
0.0056
GRAINS/S.C.F.

PARTICULATE
CONCENTRATION=
7.9688 -07
LBS/S.C.F.

AVG STACK GAS
VELOCITY=
99.9117 FT/SEC

VOLUMETRIC FLOW
RATE DRY=
6.5515 05
S.C.F.H.

VOLUMETRIC FLOW
RATE DRY=
10919.11
S.C.F.M.

VOLUMETRIC FLOW
RATE=
10593.83
A.C.F.M.

PARTICULATE
OUTPUT=
0.52 LBS/HR

ISOKINETIC
CONDITION=
109.60%

Coronet Truck

"Stack Loading Outlet Date 1-27-82"

"Run 2 Time 10:00 - 10:08"

Barometric Pressure (corrected)	<u>30.31</u>	"Hg
Average ΔH	<u>.9900</u>	"H ₂ O
Metered Volume	<u>4.6</u>	Cu. Ft.
Meter Temperature	<u>60.4</u>	°F
Stack Temperature	<u>57.6</u>	°F
Average $\sqrt{\Delta P}$	<u>1.9253</u>	"H ₂ O
Ml H ₂ O Increase	<u>0</u>	Grams
Silica gel wt. gain	<u>1.6</u>	Grams
Stack Area "I.D. <u>18</u>	<u>1.7672</u>	Sq. Ft.
Probe Area "I.D. <u>1.26</u>	<u>.000087</u>	Sq. Ft.
Probe Wash Particulate	<u>1.5</u>	Milligrams
Filter wt. gain	<u>0.0</u>	Milligrams
Time "Theta"	<u>8</u>	Minutes
Pitot Corr.	<u>.8336</u>	Factor

RESULTS

CONDITIONS

EMISSION

<u>SCFM</u>	<u>TEMP. °F</u>	<u>LBS/HR</u>	<u>GRAINS/DSCF</u>
11,402	58	0.48	.0049

FLA STATE DER
GENERAL
PARTICULATE
METHOD

TEST?

CORONET TRUCK
LOADING OUTLET
1-27-82 R 2
10:00-10:00

DATA SUMMARY:

BAR. PRESS.? 30.31
AVG DELTA H? 0.9900
METERED VOL? 4.60
METER TEMP? 60.40
STACK TEMP? 57.60
SQRT DELTA P? 1.9253
ML. H2O INC? 0.00
SIL GEL WT GAIN? 1.60
STACK AREA? 1.7672
PROBE AREA? 8.70 -05
PROBE WASH PART? 1.50
FILTER WT GAIN? 0.00
TIME THETA? 8.00
PITOT FACTOR? 0.83

DRY GAS VOL=
4.74 S.C.F.

VOLUME OF
H2O VAPOR=
0.08 S.C.F.

MOISTURE
CONTENT= 0.0157
PROPORTION BY
VOLUME

PARTICULATE
CONCENTRATION=
0.0049
GRAINS/S.C.F.

PARTICULATE
CONCENTRATION=
6.9746 -07
LBS/S.C.F.

AVG STACK GAS
VELOCITY=
105.6477 FT/SEC

VOLUMETRIC FLOW
RATE DRY=
6.8410 05
S.C.F.H.

VOLUMETRIC FLOW
RATE DRY=
11401.66
S.C.F.M.

VOLUMETRIC FLOW
RATE=
11202.04
A.C.F.M.

PARTICULATE
OUTPUT=
0.48 LBS/HR

ISOKINETIC
CONDITION=
105.82%

Coronet Truck

"Stackloading Outlet Date 1-27-82"

"Run 3 Time 10:30-10:38"

Barometric Pressure (corrected)	<u>30.31</u>	"Hg
Average ΔH	<u>1.0850</u>	"H ₂ O
Metered Volume	<u>4.9</u>	Cu. Ft.
Meter Temperature	<u>67.2</u>	°F
Stack Temperature	<u>62.3</u>	°F
Average $\sqrt{\Delta P}$	<u>2.0320</u>	"H ₂ O
Ml H ₂ O Increase	<u>0</u>	Grams
Silica gel wt. gain	<u>1.1</u>	Grams
Stack Area "I.D. <u>18</u>	<u>1.7672</u>	Sq. Ft.
Probe Area "I.D. <u>1.26</u>	<u>.000087</u>	Sq. Ft.
Probe Wash Particulate	<u>2.0</u>	Milligrams
Filter wt. gain	<u>0.0</u>	Milligrams
Time "Theta"	<u>8</u>	Minutes
Pitot Corr.	<u>.8336</u>	Factor

RESULTS

CONDITIONS

EMISSION

<u>SCFM</u>	<u>TEMP. °F</u>	<u>LBS/HR</u>	<u>GRAINS/DSC</u>
12,032	62	0.64	.0062

FLA STATE DER
GENERAL
PARTICULATE
METHOD

TEST?

CORONET TRUCK
LOADING OUTLET
1-27-82 R 3
10:30-10:38

DATA SUMMARY:

BAR. PRESS.? 30.31
AVG DELTA H? 1.0850
METERED VOL? 4.90
METER TEMP? 67.20
STACK TEMP? 62.30
SQRT DELTA P? 2.0320
ML. H2O INC? 0.00
SIL GEL WT GAIN? 1.10
STACK AREA? 1.7672
PROBE AREA? 0.70 -05
PROBE WASH PART? 2.00
FILTER WT GAIN? 0.00
TIME THETA? 0.00
PITOT FACTOR? 0.83

DRY GAS VOL =
4.99 S.C.F.

VOLUME OF
H2O VAPOR =
0.05 S.C.F.

MOISTURE
CONTENT = 0.0103
PROPORTION BY
VOLUME

PARTICULATE
CONCENTRATION =
0.0062
GRAINS/S.C.F.

PARTICULATE
CONCENTRATION =
0.0423 -07
LBS/S.C.F.

AVG STACK GAS
VELOCITY =
111.8939 FT/SEC

VOLUMETRIC FLOW
RATE DRY =
7.2194 05
S.C.F.H.

VOLUMETRIC FLOW
RATE DRY =
12032.27
S.C.F.M.

VOLUMETRIC FLOW
RATE =
11064.34
A.C.F.M.

PARTICULATE
OUTPUT =
0.64 LBS/HR

ISOKINETIC
CONDITION =
105.46%

CONSOLIDATED MINERALS, INC.

SOURCE NAME		OBSERVATION DATE				START TIME		STOP TIME					
CDP Bulk Truck loading		6/9/87				935		1005					
ADDRESS		SEC				MIN		SEC					
Consolidated Minerals, Inc.		MIN	0	15	30	45	MIN	0	15	30	45		
P.O. Box 790		1	0	0	0	0	31						
CITY	STATE	ZIP											
Plant City	FL	34289											
PHONE	SOURCE ID NUMBER												
813-752-1161	A029-130178												
PROCESS EQUIPMENT		OPERATING MODE											
CONTROL EQUIPMENT		OPERATING MODE											
Fabric Filter DC		Filtration											
DESCRIBE EMISSION POINT													
START Doct STOP													
HEIGHT ABOVE GROUND LEVEL		HEIGHT RELATIVE TO OBSERVER											
START 60' STOP 60'		START 60' STOP 60'											
DISTANCE FROM OBSERVER		DIRECTION FROM OBSERVER											
START 75 STOP		START NW STOP											
DESCRIBE EMISSIONS													
START None STOP													
EMISSION COLOR		PLUME TYPE: CONTINUOUS <input type="checkbox"/>											
START STOP		FUGITIVE <input type="checkbox"/> INTERMITTENT <input type="checkbox"/>											
WATER DROPLETS PRESENT:		IF WATER DROPLET PLUME:											
NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>		ATTACHED <input type="checkbox"/> DETACHED <input type="checkbox"/>											
POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED													
START Point of Exit STOP													
DESCRIBE BACKGROUND													
START Sky STOP Sky													
BACKGROUND COLOR		SKY CONDITIONS											
START Blue STOP White		START P+Cl. STOP P+Cl.											
WIND SPEED		WIND DIRECTION											
START 3-5 STOP 3-5		START SE STOP SE											
AMBIENT TEMP		WET BULB TEMP		RH. percent									
START 85 STOP 85													
<p>Source Layout Sketch Draw North Arrow</p>		24	0	0	0	0	54						
		25	0	0	0	0	55						
		26	0	0	0	0	56						
		27	0	0	0	0	57						
		28	0	0	0	0	58						
		29	0	0	0	0	59						
		30	0	0	0	0	60						
		AVERAGE OPACITY FOR HIGHEST PERIOD		0		NUMBER OF READINGS ABOVE:		0% WERE 0					
		RANGE OF OPACITY READINGS		0 MINIMUM		0 MAXIMUM							
		OBSERVER'S NAME (PRINT)		Robert L. Harrison Jr									
		OBSERVER'S SIGNATURE		Robert L. Harrison Jr									
		DATE		6/9/87									
COMMENTS													

HILLSBOROUGH COUNTY ENVIRONMENTAL
PROTECTION COMMISSION
305 NORTH MORGAN STREET
STOVALL PROFESSIONAL BUILDING
SIXTH FLOOR
TAMPA, FLORIDA 33602

Best Available Copy

accordance with Section 10 of the Hillsborough County Environmental Protection Commission, please provide the following information:

DATE 6-17-87 SAMPLING TIME: FROM 935 TO 1005

STATEMENT OF PROCESS WEIGHT:

COMPANY NAME Consolidated Minerals, Inc.

MAILING ADDRESS P.O. Box 790 Plant City - Fl. 34289

SOURCE IDENTIFICATION A029-130178

SOURCE LOCATION Plant City Facility

DATA ON OPERATING CYCLE TIME:

START OF OPERATION, TIME 930

END OF OPERATION, TIME 1030

ELAPSED TIME 1 Hour

IDLE TIME DURING CYCLE None

DESIGN PROCESS RATING:

PROCESS WEIGHT RATE (INPUT) _____ PRODUCT (OUTPUT) _____

DATA ON ACTUAL PROCESS RATE DURING OPERATION CYCLE:

(Include specifications on fossil fuels)

MATERIAL CDP Product RATE* 1250 TPH

MATERIAL _____ RATE* _____

MATERIAL _____ RATE* _____

TOTAL PROCESS WEIGHT RATE* 1250 TPH

PRODUCT _____ RATE** _____

*For phosphate process expressed as actual tons/hour and as tons of P_2O_5 /hour.

For fossil fuel steam generators expressed as btu/hour heat input.

**For sulfuric acid plants expressed as 100% H_2SO_4 /hour.

I certify that the above statement is true to the best of my knowledge and belief:

Signature

Title

William W. Lawrence

Product Manager

ATTACHMENT C

POTENTIAL DISCHARGE

The maximum baghouse inlet loading based on actual test data is 3.67 grains/ft³.

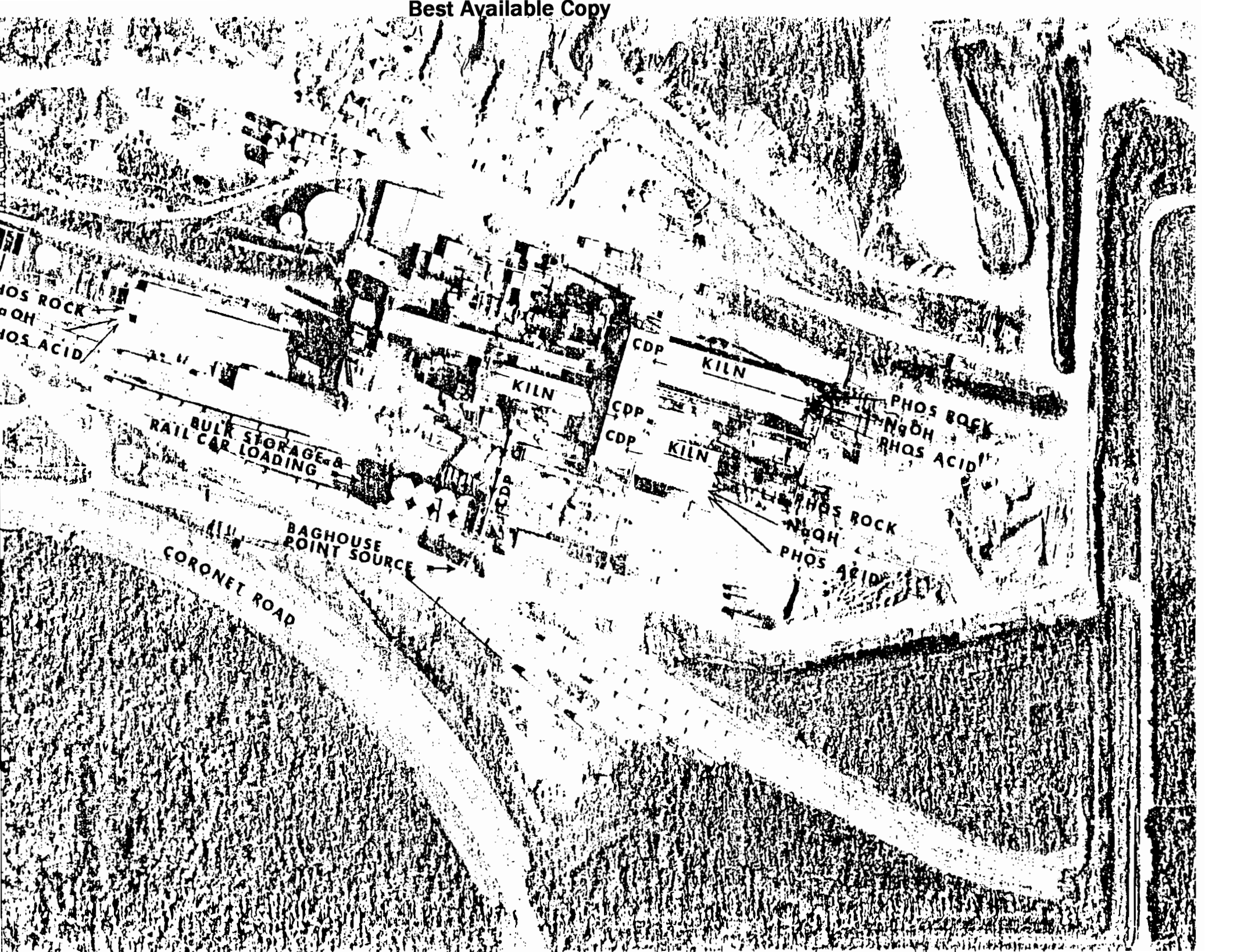
$$\begin{aligned} & 3.67 \text{ grains/ft}^3 \times 12,500 \text{ CFM} \\ = & 45,875 \text{ grains/minute} \end{aligned}$$

$$\begin{aligned} & 45,875 \text{ grains/minute} \div 7,000 \text{ grains/pound} \\ = & 6.55 \text{ pounds/minute} \end{aligned}$$

$$\begin{aligned} & 6.55 \text{ pounds/minute} \times 60 \text{ minutes/hour} \\ = & 393 \text{ pounds/hour} \end{aligned}$$

$$\begin{aligned} & 393 \text{ pounds/hour} \times 1,400 \text{ hours/year} \\ = & 550,480 \text{ pounds/year} \end{aligned}$$

$$\begin{aligned} & 550,480 \text{ pounds/year} \div 2,000 \text{ pounds/ton} \\ = & 275 \text{ tons/year} \end{aligned}$$



PHOS ROCK
PHOS ACID

BULK STORAGE &
RAIL CAR LOADING

BAGHOUSE
POINT SOURCE
CORONET ROAD

KILN

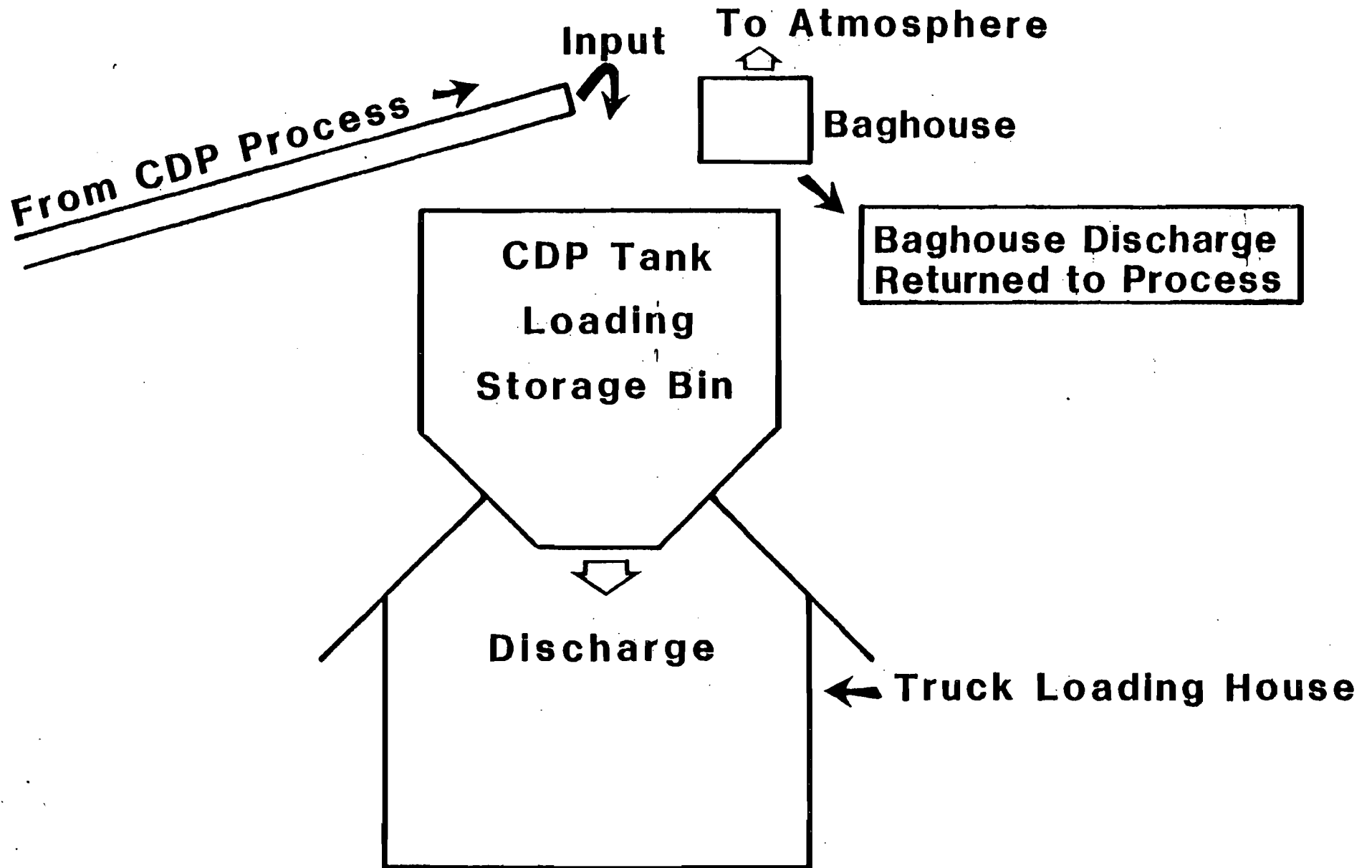
CDP
CDP

KILN

KILN

PHOS ROCK
NaOH
PHOS ACID

PHOS ROCK
NaOH
PHOS ACID



SECTION II A

The installation of a third CDP holding bin between the two existing CDP loading bins. This permit will fall under permit number A029-130178, which was declared a state of the art facility by DER in 1982 when it was installed. The aforementioned permit has performed extremely well at this location and with the addition of the third holding bin it would allow this unit to also be utilized for the loading of CDP fines into trucks.

ATTACHMENT F

The controls for this construction permit are already being used under operating permit #A029-130178, which has a total cloth area of 1411 ft.³.



BEST AVAILABLE COPY
CONSOLIDATED MINERALS, INC.

014013

P.O. BOX 300
LEESBURG, FLORIDA 32749-0300

CHECK DATE 11/27/87
NUMBER 396

ONE HUNDRED AND 00/100 DOLLARS

PAY 30 DE150

CHECK AMOUNT
*****100.00

TO THE ORDER OF

DEPARTMENT OF ENVIRONMENTAL
TWIN TOWERS OFFICE BLDG
2600 BLAIR STONE ROAD
TALLAHASSEE FL 32301

CONSOLIDATED MINERALS, INC.

W. Keith Daniel

Tallahassee, Florida 32301

Dear Mr. Thomas:

Please find enclosed an application and fee for a construction permit of a third holding bin at the CDP Truck Loading Facility with Baghouse, Permit No. A029-130178.

At the present time we have two holding bins for CDP product which are controlled by a Micro Pulsaire Dust Collector. With this construction permit we would build a third holding bin between the two existing bins. The same pollution control equipment that is presently being used for the two existing bins would be used for the third bin also.

When the original permit, A029-130178, was issued in 1982 the load out facility was declared a state of the art facility by DER. This facility has continued to operate at or above expected levels. With the addition of the third bin it would fall under this same dust collector.

Should you have any questions or comments concerning this application, please contact me.

Sincerely,

Robert L. Harrison Jr.

Robert L. Harrison, Jr.
Environmental Supervisor

RLH:cr

Enclosure

cc: Dan A. Williams/DER
Jerry Campbell/HCEPC
Frank W. Cheesman

1031

RECEIVED
DER - MAIL ROOM
1987 DEC - 8 AM 9 38

Check Sheet

Company Name: Consolidated Minerals Inc
Permit Number: Hillsborough Co AC 29-143106
PSD Number:
County: Hillsborough Co
Permit Engineer:
Others involved:

Application:

- Initial Application
- Incompleteness Letters
- Responses
- Final Application (if applicable)
- Waiver of Department Action
- Department Response

Intent:

- Intent to Issue
- Notice to Public
- Technical Evaluation
- BACT Determination
- Unsigned Permit

Attachments:

-
-
-
- Correspondence with:
 - EPA
 - Park Services
 - County
 - Other
- Proof of Publication
- Petitions - (Related to extensions, hearings, etc.)

Final Determination:

- Final Determination
- Signed Permit
- BACT Determination

Post Permit Correspondence:

- Extensions
- Amendments/Modifications
- Response from EPA
- Response from County
- Response from Park Services

CMI

RECEIVED

CONSOLIDATED MINERALS, INC. FEB 25 1988
FEED SUPPLEMENT DIVISION

DER-BAQM

February 23, 1988

Mr. Clair H. Fancy
Prof. Eng. Adm.
Stationary Source Control Group
Department of Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, FL 32301

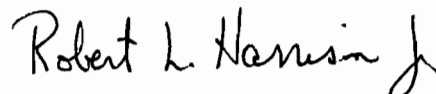
Re: DER File No. AC29-143106

Dear Mr. Fancy:

Please find enclosed a copy of the Notice of Proposed Agency Action on the permit listed above.

Due to unforeseen problems the construction of the third product holding bin has not been completed in the allotted time. It is expected that this unit will be completed within the next 90 days.

Sincerely,



Robert L. Harrison, Jr.
Environmental Supervisor

RLH:cr

Enclosure

cc: F. W. Cheesman
Dan A. Williams/DER
Jerry Campbell/HCEPC

THE TAMPA TRIBUNE

Published Daily

Tampa, Hillsborough County, Florida

State of Florida }
County of Hillsborough } ss.

Before the undersigned authority personally appeared James L. Gonnering, who on oath says that he is Assistant Comptroller of The Tampa Tribune, a daily newspaper published at Tampa in Hillsborough County, Florida; that the attached copy of advertisement being a.....

LEGAL NOTICE

NOTICE OF INTENT

in the matter of

was published in said newspaper in the issues of

February 12, 1988

Affiant further says that the said The Tampa Tribune is a newspaper published at Tampa, in said Hillsborough County, Florida, and that the said newspaper has heretofore been continuously published in said Hillsborough County, Florida, each day and has been entered as second class mail matter at the post office in Tampa, in said Hillsborough County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement, and affiant further says that he has neither paid nor promised any person, firm, or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

James L. Gonnering

Sworn to and subscribed before me, this 15th day of February, A.D. 1988

[Signature]

(Seal)

Notary Public, State of Florida
My Commission Expires Nov. 17, 1991
Bonded Thru Troy Fain - Insurance Inc.

Copied: John Reynolds - 2/26/88 (mr)

RECEIVED

FEB 25 1988

DER-BAQM

State of Florida
Department of
Environmental Regulation
Notice of Intent

The Department of Environmental Regulation hereby gives notice of its intent to issue a permit to Consolidated Minerals Inc., to construct a third product holding bin at its Plant City facility in Hillsborough County. There will be no increase in emissions as a result of this construction. Therefore, the project is exempted from the new source review requirements under FAC, Rule 17-2.510. The Department is issuing this intent to issue for the reasons stated in the attached Technical Evaluation and Preliminary Determination.

Persons whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative determination (hearing) in accordance with Section 120.57, Florida Statutes. The petition must conform to the requirements of Chapters 17-103 and 28-5, Florida Administrative Code, and must be filed (received) in the Department's Office of General Counsel, 2600 Blair Stone Road, Twin Towers Office Building, Tallahassee, Florida 32399-2400, within fourteen (14) days of publication of this notice. Failure to file a petition within this time period constitutes a waiver any right such person has to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the proposed agency action. Therefore, persons who may not wish to file a petition may wish to intervene in the proceeding. A petition for intervention must be filed pursuant to Rule 28-5.207, Florida Administrative Code, at least five (5) days before the final hearing and be filed with the hearing officer if one has been assigned at the Division of Administrative Hearings, Department of Administration, 2009 Apalachee Parkway, Tallahassee, Florida 32301. If no hearing officer has been assigned, the petition is to be filed with the Department's Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Failure to petition to intervene within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, Florida Statutes.

The application is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:

Dept. of
Environmental Regulation
Bureau of Air
Quality Management
2600 Blair Stone Road
Tallahassee, Florida
32399-2400
Dept. of
Environmental Regulation
SW District Office
4520 Oak Fair Blvd.

Tampa, Florida 33610-7349
Hillsborough County
Environmental
Protection Commission
1410 North 21st Street
Tampa, Florida 33605

Any persons may send written comments on the proposed action to Mr. Bill Thomas at the Department's Tallahassee address. All comments mailed within 14 days of the publication of this notice will be considered in the Department's final determination.

**CMI CONSOLIDATED
MINERALS, INC.**

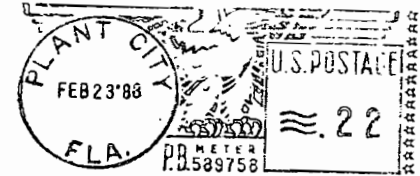
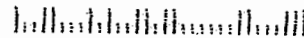
P. O. Box 790 • Plant City, Florida 34289-0790

RECEIVED
FEB 25 1988
DER-BAQM

Mr. Clair H. Fancy
Prof. Eng. Adm.
Stationary Source Control Group
Dept. of Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, FL 32301

Called Mr. Harrison on 2/26/88
at 10:10 am and requested the
original affidavit and newspaper clipping.
He said there would be no problem.

(i)





CONSOLIDATED MINERALS, INC.
FEED SUPPLEMENT DIVISION

RECEIVED

February 26, 1988 **FEB 29 1988**

DER-BAQM

Ms. Margaret Janes
Stationary Source Control Group
Department of Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, FL 32301

Re: DER File No. AC29-143106

Dear Ms. Janes:

Please find enclosed the actual Legal Notice and Notice of Intent concerning the above permit.

Should you have any more questions or if I can be of any help, please notify me.

Sincerely,

Robert L. Harrison, Jr.
Environmental Supervisor

RLH:cr

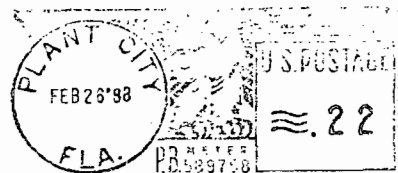
Enclosure

cc: F. W. Cheesman

Original requested

**CMI CONSOLIDATED
MINERALS, INC.**

P. O. Box 790 • Plant City, Florida 34289-0790



Ms. Margaret Janes
Stationary Source Control Group
Department of Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Rd.
Tallahassee, FL 32301

RECEIVED

FEB 29 1988

THE TAMPA TRIBUNE
Published Daily
Tampa, Hillsborough County, Florida

PM
26 Feb 1988
Plant City, FL

DER - BAQM
State of Florida
County of Hillsborough

Before the undersigned authority personally appeared James L. Connering, who on oath says that he is Assistant Comptroller of The Tampa Tribune, a daily newspaper published at Tampa in Hillsborough County, Florida; that the attached copy of advertisement being a.....

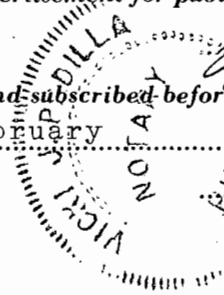
LEGAL NOTICE

NOTICE OF INTENT
in the matter of
.....
was published in said newspaper in the issues of
-----February 12, 1988-----

Affiant further says that the said The Tampa Tribune is a newspaper published at Tampa, in said Hillsborough County, Florida, and that the said newspaper has heretofore been continuously published in said Hillsborough County, Florida, each day and has been entered as second class mail matter at the post office in Tampa, in said Hillsborough County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement, and affiant further says that he has neither paid nor promised any person, firm, or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

Sworn to and subscribed before me, this 15th day of February, A.D. 1988

(Seal)



James L. Connering
Notary Public, State of Florida
My Commission Expires Nov. 17, 1991
Bonded Thru Troy Fain - Insurance Inc.

State of Florida
Department of
Environmental Regulation
Notice of Intent
The Department of Environmental Regulation hereby gives notice of its intent to issue a permit to Consolidated Minerals Inc., to construct a third product holding bin at its Plant City facility in Hillsborough County. There will be no increase in emissions as a result of this construction. Therefore, the project is exempted from the new source review requirements under FAC, Rule 17-2.510. The Department is issuing this intent to issue for the reasons stated in the attached Technical Evaluation and Preliminary Determination.
Persons whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative determination (hearing) in accordance with Section 120.57, Florida Statutes. The petition must conform to the requirements of Chapters 17-103 and 28-5, Florida Administrative Code, and must be filed (received) in the Department's Office of General Counsel, 2600 Blair Stone Road, Twin Towers Office Building, Tallahassee, Florida 32399-2400, within fourteen (14) days of publication of this notice. Failure to file a petition within this time period constitutes a waiver any right such person has to request an administrative determination (hearing) under Section 120.57, Florida Statutes.
If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the proposed agency action. Therefore, persons who may not wish to file a petition may wish to intervene in the proceeding. A petition for intervention must be filed pursuant to Rule 28-5.207, Florida Administrative Code, at least five (5) days before the final hearing and be filed with the hearing officer if one has been assigned at the Division of Administrative Hearings, Department of Administration, 2009 Apalachee Parkway, Tallahassee, Florida 32301. If no hearing officer has been assigned, the petition is to be filed with the Department's Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Failure to petition to intervene within the allowed time frame

Jul Copy

constitutes a waiver of any right such person has to request a hearing under Section 120.57, Florida Statutes.
The application is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:
Dept. of
Environmental Regulation
Bureau of Air
Quality Management
2600 Blair Stone Road
Tallahassee, Florida
32399-2400
Dept. of
Environmental Regulation
SW District Office
4520 Oak Fair Blvd.
Tampa, Florida 33610-7349
Hillsborough County
Environmental
Protection Commission
1410 North 21st Street
Tampa, Florida 33605
Any person may send written comments on the proposed action to Mr. Bill Thomas at the Department's Tallahassee address. All comments mailed within 14 days of the publication of this notice will be considered in the Department's final determination.
1518 2/12/88

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32399-2400



BOB MARTINEZ
GOVERNOR
DALE TWACHTMANN
SECRETARY

February 3, 1988

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Mr. F. W. Cheesman, President
Consolidated Minerals, Inc.
Post Office Box 790
Plant City, Florida 34289-0790

Dear Cheesman:

Attached is one copy of the Technical Evaluation and Preliminary Determination and proposed permit to construct a third product holding bin at your Plant City facility.

Please submit, in writing, any comments which you wish to have considered concerning the Department's proposed action to Mr. Bill Thomas of the Bureau of Air Quality Management.

Sincerely,

C. H. Fancy, P.E.
Deputy Chief
Bureau of Air Quality
Management

CHF/bm

Attachments

cc: W. Thomas, SW District
J. Campbell, EPCHC
R. Harrison, CMI

State of Florida
Department of Environmental Regulation
Notice of Intent

The Department of Environmental Regulation hereby gives notice of its intent to issue a permit to Consolidated Minerals Inc., to construct a third product holding bin at its Plant City facility in Hillsborough County. There will be no increase in emissions as a result of this construction. Therefore, the project is exempted from the new source review requirements under FAC, Rule 17-2.510. The Department is issuing this Intent to Issue for the reasons stated in the attached Technical Evaluation and Preliminary Determination.

Persons whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative determination (hearing) in accordance with Section 120.57, Florida Statutes. The petition must conform to the requirements of Chapters 17-103 and 28-5, Florida Administrative Code, and must be filed (received) in the Department's Office of General Counsel, 2600 Blair Stone Road, Twin Towers Office Building, Tallahassee, Florida 32399-2400, within fourteen (14) days of publication of this notice. Failure to file a petition within this time period constitutes a waiver of any right such person has to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the proposed agency action. Therefore, persons who may not wish to file a petition may wish to intervene in the proceeding. A petition for intervention must be filed pursuant to Rule 28-5.207, Florida Administrative Code, at least five (5) days before the final hearing and be filed with the hearing officer if one has been assigned at the Division of Administrative Hearings, Department of Administration, 2009, Apalachee Parkway, Tallahassee, Florida 32301. If no hearing officer has been assigned, the petition is to be filed with the Department's Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Failure to petition to intervene within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, Florida Statutes.

The application is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:

Dept. of Environmental Regulation
Bureau of Air Quality Management
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Dept. of Environmental Regulation
SW District Office
4520 Oak Fair Blvd.
Tampa, Florida 33610-7349

Hillsborough County Environmental
Protection Commission
1410 North 21st Street
Tampa, Florida 33605

Any person may send written comments on the proposed action to Mr. Bill Thomas at the Department's Tallahassee address. All comments mailed within 14 days of the publication of this notice will be considered in the Department's final determination.

BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

In the Matter of
Applications for Permits by:

Consolidated Minerals, Inc.
P. O. Box 790
Plant City, Florida 34289-0790

DER File No. AC 29-143106

INTENT TO ISSUE

The Department of Environmental Regulation hereby gives notice of its intent to issue a permit (copy attached) for the proposed project as detailed in the application specified above. The Department is issuing this Intent to Issue for the reasons stated in the attached Technical Evaluation and Preliminary Determination.

The applicant, Consolidated Minerals, Inc., applied on December 8, 1987, to the Department of Environmental Regulation for a permit to construct a third product holding bin at their existing facility in Plant City, Florida.

The Department has permitting jurisdiction under Chapter 403, Florida Statutes, and Florida Administrative Code Rules 17-2 and 17-4. The project is not exempt from permitting procedures. The Department has determined that an air construction permit was needed for the proposed work.

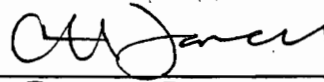
Pursuant to Section 403.815, F.S. and DER Rule 17-103.150, FAC, you (the applicant) are required to publish at your own expense the enclosed Notice of Proposed Agency Action on permit applications. The notice must be published one time only in a section of a major local newspaper of general circulation in the county in which the project is located and within thirty (30) days from receipt of this intent. Proof of publication must be provided to the Department within seven days of publication of the notice. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permits.

The Department will issue the permits with the attached conditions unless petition for an administrative proceeding (hearing) is filed pursuant to the provisions of Section 120.57, F.S. A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. Petitions must comply with the requirement of Florida Administrative Code Rules 17-103.155 and 28-5.201 (copy enclosed) and be filed with (received by) the

Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions filed by the permit applicant must be filed within fourteen (14) days of receipt of this intent. Petitions filed by other persons must be filed within fourteen (14) days of publication of the public notice or within fourteen (14) days of receipt of this intent, whichever first occurs. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes, concerning the subject permit application. Petitions which are not filed in accordance with the above provisions will be dismissed.

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION



C. H. Fancy, P.E.
Deputy Chief
Bureau of Air Quality
Management

Copies furnished to:

W. Thomas, SW District
J. Campbell, EPCHC
R. Harrison, CMI

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this NOTICE OF INTENT TO ISSUE and all copies were mailed before the close of business on 2-5-88.

FILING AND ACKNOWLEDGEMENT
FILED, on this date, pursuant to
§120.52(9), Florida Statutes, with
the designated Department Clerk,
receipt of which is hereby
acknowledged.

Martha Weise
Clerk

2-5-88
Date

RULES OF THE ADMINISTRATIVE COMMISSION
MODEL RULES OF PROCEDURE
CHAPTER 28-5
DECISIONS DETERMINING SUBSTANTIAL INTERESTS

28-5.15 Requests for Formal and Informal Proceedings

- (1) Requests for proceedings shall be made by petition to the agency involved. Each petition shall be printed, typewritten or otherwise duplicated in legible form on white paper of standard legal size. Unless printed, the impression shall be on one side of the paper only and lines shall be double spaced and indented.
- (2) All petitions filed under these rules should contain:
 - (a) The name and address of each agency affected and each agency's file or identification number, if known;
 - (b) The name and address of the petitioner or petitioners;
 - (c) All disputed issues of material fact. If there are none, the petition must so indicate;
 - (d) A concise statement of the ultimate facts alleged, and the rules, regulations and constitutional provisions which entitle the petitioner to relief;
 - (e) A statement summarizing any informal action taken to resolve the issues, and the results of that action;
 - (f) A demand for the relief to which the petitioner deems himself entitled; and
 - (g) Such other information which the petitioner contends is material.

Technical Evaluation
and
Preliminary Determination

Consolidated Minerals, Inc.
Hillsborough County

Modification to CDP Truck Loading Facility
Permit No. AC 29-143106

Florida Department of Environmental Regulation
Bureau of Air Quality Management
Central Air Permitting

February 3, 1988

I. Application Information

A. Applicant

Consolidated Minerals, Inc. (CMI)
Feed Supplement Division
Post Office Box 790
Plant City, Florida 34289-0790

B. Request

The Department received an application on December 8, 1987, for a permit to construct a third product holding bin at CMI's truck loading facility. Sufficient information is included in the application for making this evaluation and determination.

C. Project/Location

CMI's facility is located off Coronet Road in Plant City, Florida. The UTM coordinates of the site are: Zone 17, 393.8 km E and 3096.3 km N.

D. Standard Industrial Classification

This facility is classified as a defluorinated phosphate plant having the following SIC codes:

Industry Group No. 287 - Agricultural Chemicals
Industry No. 2874 - Phosphatic Fertilizers

II. Project Description

The applicant proposes to install a third product holding bin between the two existing bins while venting the new bin to the existing bag collector. The modification will include some additional equipment for transferring material into and out of the new bin. Construction includes the new bin, ductwork and associated equipment. The loading rate for the new bin will be 125 tons per hour.

III. Emissions

The applicant submitted test results showing that the baghouse is capable of controlling dust emissions to an average level of 0.55 lbs/hr and 0.0056 gr/dscf compared to the allowable levels of 2.15 lbs/hr and .02 gr/dscf. No increase in the allowable emission limits was requested nor does it appear that an increase will be encountered. Only 1.5 tons of particulate per year will be emitted at an operating rate of 1400 hours per year.

IV. Rule Applicability

CMI's proposed installation is subject to preconstruction review under provisions of Chapter 403, Florida Statutes, and FAC Rules 17-2 and 17-4. The proposed project is a minor source in an attainment area for particulate matter and is exempt from the Prevention of Significant Deterioration (PSD) provisions of FAC Rule 17-2. The project shall be permitted under Rule 17-2.520 (Not Subject to PSD or Nonattainment Requirements). The general particulate emission limiting standards set forth in FAC Rule 17-2.610 would apply except that the emission limits proposed by the applicant are more stringent and shall apply.

V. Conclusion

The Department intends to issue a construction permit for the proposed project.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32399-2400



BOB MARTINEZ
GOVERNOR
DALE TWACHTMANN
SECRETARY

PERMITTEE:
Consolidated Minerals, Inc.
P. O. Box 790
Plant City, FL 34289-0790

Permit Number: AC 29-143106
Expiration Date: September 30, 1988
County: Hillsborough
Project: Modification to CDP
Truck Loading Facility

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-2 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

For the construction of a third product holding bin at the permittee's facility in Plant City, Hillsborough County, Florida. The UTM coordinates are 393.8 km E and 3096.3 km N.

Construction shall be in accordance with the attached permit application except as otherwise noted under the Specific Conditions set forth in this permit.

Attachment

1. Application to Construct Air Pollution Sources, DER form 17-1.202(1), received on December 8, 1987.

PERMITTEE:
Consolidated Minerals, Inc.

Permit Number: AC 29-143106
Expiration Date: September 30, 1988

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.

3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.

4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.

PERMITTEE:

Consolidated Minerals, Inc.

Permit Number: AC 29-143106

Expiration Date: September 30, 1988

GENERAL CONDITIONS:

6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the Department with the following information:

- a. a description of and cause of non-compliance; and
- b. the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

PERMITTEE:
Consolidated Minerals, Inc.

Permit Number: AC 29-143106
Expiration Date: September 30, 1988

GENERAL CONDITIONS:

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the Department, may be used by the Department as evidence in any enforcement case arising under the Florida Statutes or Department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

- () Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD)
- () Compliance with New Source Performance Standards.

14. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans required under Department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the Department, during the course of any unresolved enforcement action.

PERMITTEE: Consolidated Minerals, Inc. Permit Number: AC 29-143106
Expiration Date: September 30, 1988

GENERAL CONDITIONS:

- b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by Department rule.
- c. Records of monitoring information shall include:
- the date, exact place, and time of sampling or measurements;
 - the person responsible for performing the sampling or measurements;
 - the date(s) analyses were performed;
 - the person responsible for performing the analyses;
 - the analytical techniques or methods used; and
 - the results of such analyses.

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be submitted or corrected promptly.

SPECIFIC CONDITIONS:

1. Maximum permitted loading rate for the third product holding bin shall be 125 tons of product per hour. If the loading rate exceeds the maximum permitted rate by 10% at any time, the Department shall be notified and a compliance test may be required. If a test is required, the test results along with other information listed in Specific Condition No. 6 shall be submitted to the Department and the Environmental Protection Commission of Hillsborough County (EPCHC) within 30 working days. Any emissions in excess of those listed in Specific Condition No. 2 shall constitute a violation of this permit. The loading operation involving the new bin may continue for up to 1,400 hours per year if permitted emission limits are not exceeded.

PERMITTEE: Consolidated Minerals, Inc. Permit Number: AC 29-143106
Expiration Date: September 30, 1988

SPECIFIC CONDITIONS:

2. Total emissions of particulate matter from the bag collector controlling this source shall not exceed 2.15 lbs/hr and 0.02 gr/dscf.

3. Visible emissions (VE) from the bag collector controlling this source shall not exceed the alternative visible emission standard of 5% opacity set forth in FAC Rule 17-2.700(3)(d). Compliance with this standard shall be determined by EPA Method 9, Visual Determination of the Opacity of Emissions from Stationary Sources as described in Appendix A of 40 CFR 60. If VE emissions are in excess of the standard, EPA Method 5, Determination of Particulate Emissions from Stationary Sources, shall be requested by the Department. The SW District office and EPCHC shall be notified 15 days prior to testing.

4. Fugitive emissions from the loading operation shall be controlled by sealing and/or venting all particulate to the pollution abatement equipment.

5. All reasonable precautions to prevent fugitive particulate emissions shall be taken by the permittee.

6. Before the construction permit expires, the source shall be tested for visible emissions of particulate matter. Test procedures shall be in accordance with EPA Method 9, or Method 5 if required, as published in 40 CFR 60, Appendix A, dated July 1, 1987. The DER's SW District and EPCHC shall be notified at least 15 days prior to the compliance test. The test shall be conducted at permitted capacity or no less than 90% of the highest demonstrated operating capacity.

7. The construction shall reasonably conform to the description and schedule submitted in the application. If the permittee is unable to complete construction on schedule, he must notify the Department and EPCHC in writing 60 days prior to the expiration of the construction permit and submit a new schedule and request for an extension of the construction permit (FAC Rule 17-4.09).

8. To obtain a permit to operate, the permittee must demonstrate compliance with the conditions of the construction permit and submit a complete application for an operating permit, including the application fee, along with test results and Certificate of Completion, to the Department's Southwest District office and EPCHC 90 days prior to the expiration date of the construction permit. An operating and maintenance plan consistent with the requirements of FAC Rule 17-2.650(2)(d) and (g) shall be submitted along with the operating permit application. The

PERMITTEE:
Consolidated Minerals, Inc.

Permit Number: AC 29-143106
Expiration Date: September 30, 1988

SPECIFIC CONDITIONS:

permittee may continue to operate in compliance with all terms of the construction permit until its expiration date. Operation beyond the construction permit expiration date requires a valid permit to operate (FAC Rules 17-4.22 and 17-4.23).

9. If the construction permit expires prior to the permittee requesting an extension or obtaining a permit to operate, then all activities at the project must cease and the permittee must apply for a new permit to construct (FAC Rule 17-4.210).

10. Upon obtaining an operating permit, the permittee shall be required to submit an annual report documenting that the actual operation and emissions of the source complied with these conditions. Visible emissions (VE) tests shall be performed annually.

Issued this _____ day of _____, 19____

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL REGULATION

Dale Twachtmann, Secretary

P 274 010 098

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

* U.S.G.P.O. 1985-480-794
PS Form 3800, June 1985

Mr. F. W. Cheesman, President	
Consolidated Minerals, Inc.	
Street and No. P.O. Box 790	
P.O., State and ZIP Code Plant City, FL 34289-0790	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date Mailed: 02/05/88 Permit: AC 29-143106	

● **SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. Show to whom delivered, date, and addressee's address. 2. Restricted Delivery.

3. Article Addressed to: F.W. Cheesman, Pres. Consolidated Minerals, Inc. P.O. Box 790 Plant City, FL 34289-0790	4. Article Number P 274 010 098
	Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail
Always obtain signature of addressee or agent and DATE DELIVERED	
5. Signature - Addressee X <i>[Signature]</i>	8. Addressee's Address (ONLY if requested and fee paid) <i>[Stamp: 101 1988]</i> <i>[Signature]</i>
6. Signature - Agent X	
7. Date of Delivery 2-10-88	

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION



TWIN TOWERS OFFICE BUILDING
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32399-2400

BOB MARTINEZ
GOVERNOR

DALE TWACHTMANN
SECRETARY

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
NOTICE OF PERMIT

Mr. F.W. Cheesman, President
Consolidated Minerals, Inc.
Post Office Box 790
Plant City, Florida 34289-0790

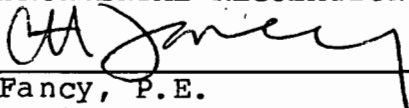
March 17, 1988

Enclosed is permit No. AC 29-143106, for Consolidated Minerals, Inc. to install a third product holding bin at their truck loading facility in Plant City, Hillsborough County, Florida. This permit is issued pursuant to Section 403, Florida Statutes.

Any Party to this permit has the right to seek judicial review of the permit pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date this permit is filed with the Clerk of the Department.

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION



C. H. Fancy, P.E.
Deputy Chief
Bureau of Air Quality Management

Copy furnished to:

W. Thomas, SW District
J. Campbell, EPCHC
R. Harrison, CMI

Final Determination

Consolidated Minerals, Inc.
Hillsborough County

Modification to CDP Truck Loading Facility
Permit No. AC 29-143106

Florida Department of Environmental Regulation
Bureau of Air Quality Management
Central Air Permitting

March 10, 1988

Final Determination

The construction permit application has been reviewed by the Department. Public Notice of the Department's Intent to Issue was published in the Tampa Tribune on February 12, 1988. The Technical Evaluation and Preliminary Determination were available for public inspection at the DER's Southwest Florida District office in Tampa and the DER Bureau of Air Quality Management office in Tallahassee.

No comments were received during the Public Notice period. Therefore, the final action of the Department will be to issue the construction permit as drafted.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32399-2400



BOB MARTINEZ
GOVERNOR

DALE TWACHTMANN
SECRETARY

PERMITTEE:
Consolidated Minerals, Inc.
P. O. Box 790
Plant City, FL 34289-0790

Permit Number: AC 29-143106
Expiration Date: September 30, 1988
County: Hillsborough
Project: Modification to CDP
Truck Loading Facility

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-2 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

For the construction of a third product holding bin at the permittee's facility in Plant City, Hillsborough County, Florida. The UTM coordinates are 393.8 km E and 3096.3 km N.

Construction shall be in accordance with the attached permit application except as otherwise noted under the Specific Conditions set forth in this permit.

Attachment

1. Application to Construct Air Pollution Sources, DER form 17-1.202(1), received on December 8, 1987.

PERMITTEE: Consolidated Minerals, Inc. Permit Number: AC 29-143106 Expiration Date: September 30, 1988

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.

3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.

4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.

PERMITTEE: Consolidated Minerals, Inc. Permit Number: AC 29-143106
Expiration Date: September 30, 1988

GENERAL CONDITIONS:

6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the Department with the following information:

- a. a description of and cause of non-compliance; and
- b. the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

PERMITTEE: Consolidated Minerals, Inc. Permit Number: AC 29-143106 Expiration Date: September 30, 1988

GENERAL CONDITIONS:

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the Department, may be used by the Department as evidence in any enforcement case arising under the Florida Statutes or Department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

- () Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD)
- () Compliance with New Source Performance Standards.

14. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans required under Department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the Department, during the course of any unresolved enforcement action.

PERMITTEE:

Consolidated Minerals, Inc.

Permit Number: AC 29-143106

Expiration Date: September 30, 1988

GENERAL CONDITIONS:

- b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by Department rule.
- c. Records of monitoring information shall include:
- the date, exact place, and time of sampling or measurements;
 - the person responsible for performing the sampling or measurements;
 - the date(s) analyses were performed;
 - the person responsible for performing the analyses;
 - the analytical techniques or methods used; and
 - the results of such analyses.

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be submitted or corrected promptly.

SPECIFIC CONDITIONS:

1. Maximum permitted loading rate for the third product holding bin shall be 125 tons of product per hour. If the loading rate exceeds the maximum permitted rate by 10% at any time, the Department shall be notified and a compliance test may be required. If a test is required, the test results along with other information listed in Specific Condition No. 6 shall be submitted to the Department and the Environmental Protection Commission of Hillsborough County (EPCHC) within 30 working days. Any emissions in excess of those listed in Specific Condition No. 2 shall constitute a violation of this permit. The loading operation involving the new bin may continue for up to 1,400 hours per year if permitted emission limits are not exceeded.

PERMITTEE:

Consolidated Minerals, Inc.

Permit Number: AC 29-143106

Expiration Date: September 30, 1988

SPECIFIC CONDITIONS:

2. Total emissions of particulate matter from the bag collector controlling this source shall not exceed 2.15 lbs/hr and 0.02 gr/dscf.

3. Visible emissions (VE) from the bag collector controlling this source shall not exceed the alternative visible emission standard of 5% opacity set forth in FAC Rule 17-2.700(3)(d). Compliance with this standard shall be determined by EPA Method 9, Visual Determination of the Opacity of Emissions from Stationary Sources as described in Appendix A of 40 CFR 60. If VE emissions are in excess of the standard, EPA Method 5, Determination of Particulate Emissions from Stationary Sources, shall be requested by the Department. The SW District office and EPCHC shall be notified 15 days prior to testing.

4. Fugitive emissions from the loading operation shall be controlled by sealing and/or venting all particulate to the pollution abatement equipment.

5. All reasonable precautions to prevent fugitive particulate emissions shall be taken by the permittee.

6. Before the construction permit expires, the source shall be tested for visible emissions of particulate matter. Test procedures shall be in accordance with EPA Method 9, or Method 5 if required, as published in 40 CFR 60, Appendix A, dated July 1, 1987. The DER's SW District and EPCHC shall be notified at least 15 days prior to the compliance test. The test shall be conducted at permitted capacity or no less than 90% of the highest demonstrated operating capacity.

7. The construction shall reasonably conform to the description and schedule submitted in the application. If the permittee is unable to complete construction on schedule, he must notify the Department and EPCHC in writing 60 days prior to the expiration of the construction permit and submit a new schedule and request for an extension of the construction permit (FAC Rule 17-4.09).

8. To obtain a permit to operate, the permittee must demonstrate compliance with the conditions of the construction permit and submit a complete application for an operating permit, including the application fee, along with test results and Certificate of Completion, to the Department's Southwest District office and EPCHC 90 days prior to the expiration date of the construction permit. An operating and maintenance plan consistent with the requirements of FAC Rule 17-2.650(2)(d) and (g) shall be submitted along with the operating permit application. The

PERMITTEE: Consolidated Minerals, Inc. Permit Number: AC 29-143106
Expiration Date: September 30, 1988

SPECIFIC CONDITIONS:

permittee may continue to operate in compliance with all terms of the construction permit until its expiration date. Operation beyond the construction permit expiration date requires a valid permit to operate (FAC Rules 17-4.22 and 17-4.23).

9. If the construction permit expires prior to the permittee requesting an extension or obtaining a permit to operate, then all activities at the project must cease and the permittee must apply for a new permit to construct (FAC Rule 17-4.210).

10. Upon obtaining an operating permit, the permittee shall be required to submit an annual report documenting that the actual operation and emissions of the source complied with these conditions. Visible emissions (VE) tests shall be performed annually.

Issued this 15 day of March, 19 88

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL REGULATION


Dale Twachtmann, Secretary



Interoffice Memorandum

TO: Dale Twachtmann
FROM: Howard L. Rhodes *HLR*
SUBJECT: Approval of Construction Permit No. AC 29-143106
Consolidated Minerals, Inc.
DATE: March 10, 1988

For Routing To Other Than The Addressee	
To: <i>Claw</i>	Location: _____
To: _____	Location: _____
To: _____	Location: _____
From: _____	Date: _____

Attached for your approval and signature is a permit prepared by Central Air Permitting for the above mentioned company to install a third product holding bin at their truck loading facility in Plant City.

No comments were received during the public notice period.

Day 90, after which this permit will be issued by default, is April 8, 1988.

I recommend your approval and signature.

HLR/aqm/jr

attachments

RECEIVED
MAR 15 1988

Office of the Secretary

RECEIVED

MAR 16 1988

DER-BAQM

P 274 010 437

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

PS Form 3800, June 1985
* U.S.G.P.O. 1985-480-794

Sender Mr. F.W. Cheesman, Pres	
Street and No. Consolidated Minerals, Inc. P.O. Box 790	
P.O., State and ZIP Code Plant City, FL 34289-0790	
Postage	S
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	S
Postmark or Date Mailed: 03-17-88 Permit: AC 29-143106	

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. Show to whom delivered, date, and addressee's address. 2. Restricted Delivery.

3. Article Addressed to: Mr. F.W. Cheesman, President Consolidated Minerals, Inc. P.O. Box 790 Plant City, FL 34289-0790	4. Article Number P 274 010 437
	Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail
Always obtain signature of addressee or agent and DATE DELIVERED.	
5. Signature - Addressee X	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent X <i>Mary Reese</i>	
7. Date of Delivery 3-21-88 <i>TRP</i>	

PS Form 3811, Feb. 1986

DOMESTIC RETURN RECEIPT