



INTERNATIONAL MINERALS & CHEMICAL CORPORATION

April 1, 1982

Mr. R. R. Garrett, P.E.
Florida Department of Environmental
Regulation
7601 Highway 301 North
Tampa, Florida 33610

DER
APR 19 1982
BAQM

Dear Sir:

International Minerals & Chemical Corporation, New Wales Operations, proposes to construct a new product dedusting system adjacent to the Multifos plant. As a part of the project, we intend to discontinue operation of our Multifos fines shipping bin located at AFI Shipping.

The existing fines bin, A053-7026, currently consists of the fines bin with a 1500 CFM dust collector and an allowable discharge limit of 3.6 lbs./hr. The new operation will use the old fines bin and a new 5000 CFM collector. This new collector will not require more than the existing allowable limit on A053-7026 and we propose that an even trade be made which will not require a higher discharge limit for the new collector.

At the start of construction on the new system, IMC will surrender permit number A053-7026.

If you have any questions regarding this matter, please let me know.

Very truly yours,

J. M. Baretincic
Director
Environmental Services

JMB:lr
Enclosure - Application to Operate/Construct
Air Pollution Sources

cc: T. H. Traylor (w/o enclosure)

D.E.R.
APR 6 1982
SOUTHWEST DISTRICT
TAMPA



STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
APPLICATION TO OPERATE/CONSTRUCT
AIR POLLUTION SOURCES

D.E.R.

APR 6 1962

SOUTHWEST DISTRICT
TAMPA

SOURCE TYPE: Air Pollution [X] New¹ [] Existing¹
APPLICATION TYPE: [X] Construction [] Operation [] Modification
COMPANY NAME: IMCC - New Wales Operations COUNTY: Polk

Identify the specific emission point source(s) addressed in this application (i.e. Lime Kiln No. 4 with Venturi Scrubber; Peeking Unit No. 2, Gas Fired) Multifos Product Dedusting System with Bag Collector

SOURCE LOCATION: Street Highway 640 & County Line Road City Mulberry
UTM: East 17-396.7 North 3079.4
Latitude ° ' "N Longitude ° ' "W

APPLICANT NAME AND TITLE: T. H. Traylor, Vice President and General Manager
APPLICANT ADDRESS: P. O. Box 1035, Mulberry, FL 33860

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

A. APPLICANT

I am the undersigned owner or authorized representative* of IMCC, New Wales Operations

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: [Signature]
T. H. Traylor, Vice Pres. & General Mgr.
Name and Title (Please Type)
Date: _____ Telephone No. (813) 428-2531

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 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: [Signature]
Craig A. Pflaum
Name (Please Type)
IMCC, New Wales Operations
Company Name (Please Type)
P. O. Box 1035, Mulberry, FL 33860
Mailing Address (Please Type)
Date: 4/2/62 Telephone No. (813) 428-2531

(Affix Seal)



¹See Section 17-2.02(15) and (22), Florida Administrative Code, (F.A.C.)

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.

Construction of a Multifos product dedusting system with a 5000 ACFM collector
to be located on the west end of the Multifos plant.

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

Start of Construction 8-1-82 Completion of Construction 6-1-83

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.)

Dust collector cost \$12,000. Installation cost will be submitted with
operating permit.

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

None.

E. Is this application associated with or part of a Development of Regional Impact (DRI) pursuant to Chapter 380, Florida Statutes, and Chapter 22F-2, Florida Administrative Code? Yes No

F. Normal equipment operating time: hrs/day 24 ; days/wk 7 ; wks/yr 52 ; if power plant, hrs/yr _____ ;
if seasonal, describe: _____

G. 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? No

a. If yes, has "offset" been applied? _____

b. If yes, has "Lowest Achievable Emission Rate" been applied? _____

c. If yes, list non-attainment pollutants. _____

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

3. Does the State "Prevention of Significant Deterioration" (PSD) requirements 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

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

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		
Multifos	Part.	100	50,000	Product Surge Bin

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

1. Total Process Input Rate (lbs/hr): _____
2. Product Weight (lbs/hr): _____

C. Airborne Contaminants Emitted:

Name of Contaminant	Emission ¹		Allowed Emission ² Rate per Ch. 17-2, F.A.C.	Allowable ³ Emission lbs/hr	Potential Emission ⁴		Relate to Flow Diagram
	Maximum lbs/hr	Actual T/yr			lbs/hr	T/yr	
Particulate	3.6	4.0	N/A	3.6	3.6	15.8	Dust
							Collector
							Discharge

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

Name and Type (Model & Serial No.)	Contaminant	Efficiency	Range of Particles ⁵ Size Collected (in microns)	Basis for Efficiency (Sec. V, It ⁵)
Mikro Pulsaire	Particulate	99.8	> 0.5	Design
#81 STR-8-20 or			Microns	
Equivalent				

¹See Section V, Item 2.

²Reference applicable emission standards and units (e.g., Section 17-2.05(6) Table II, E. (1), F.A.C. – 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)

⁵If Applicable

E. Fuels N/A

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

*Units Natural Gas, MMCF/hr; Fuel Oils, barrels/hr; Coal, 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. Annual Average N/A Maximum _____

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

All waste recovered to product.

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

Stack Height: 65 ft. Stack Diameter: 1.5 ft.

Gas Flow Rate: 5000 ACFM Gas Exit Temperature: 175 °F.

Water Vapor Content: < 1 % Velocity: 50 FPS

SECTION IV: INCINERATOR INFORMATION

Type of Waste	Type O (Plastics)	Type I (Rubbish)	Type II (Refuse)	Type III (Garbage)	Type IV (Pathological)	Type V (Liq & Gas By-prod.)	Type VI (Solid By-prod.)
Lbs/hr Incinerated							

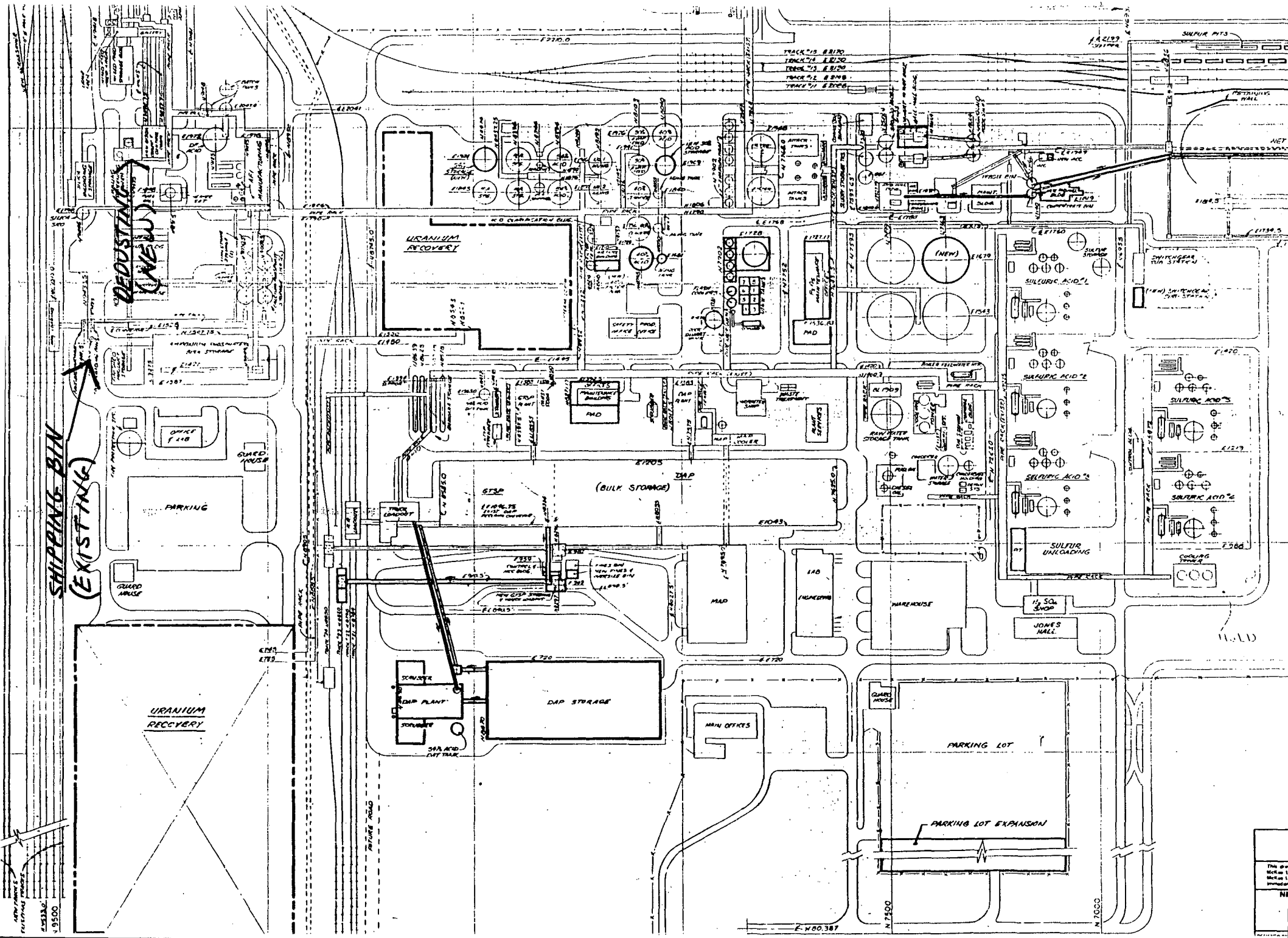
Description of Waste _____

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

Approximate Number of Hours of Operation per day _____ days/week _____

Manufacturer _____

Date Constructed _____ Model No. _____



SHIPPING BIN (EXISTING)

DEPUSING (NEW)

URANIUM RECOVERY

(BULK STORAGE)

DAP STORAGE

SULFUR UNLOADING

URANIUM RECOVERY

MAIN OFFICES

PARKING LOT

PARKING LOT EXPANSION

9500

E-480.387

N 1000

This drawing is a reproduction of the original drawing. It is not to be used for construction purposes without the original drawing.

C. A. CAMPBELL

Vice President, Phosphate Operations



INTERNATIONAL MINERALS & CHEMICAL CORPORATION

February 22, 1982

Mr. T. H. Traylor
Vice President and General Manager
New Wales Operations
Post Office Box 1035
Mulberry, FL 33860

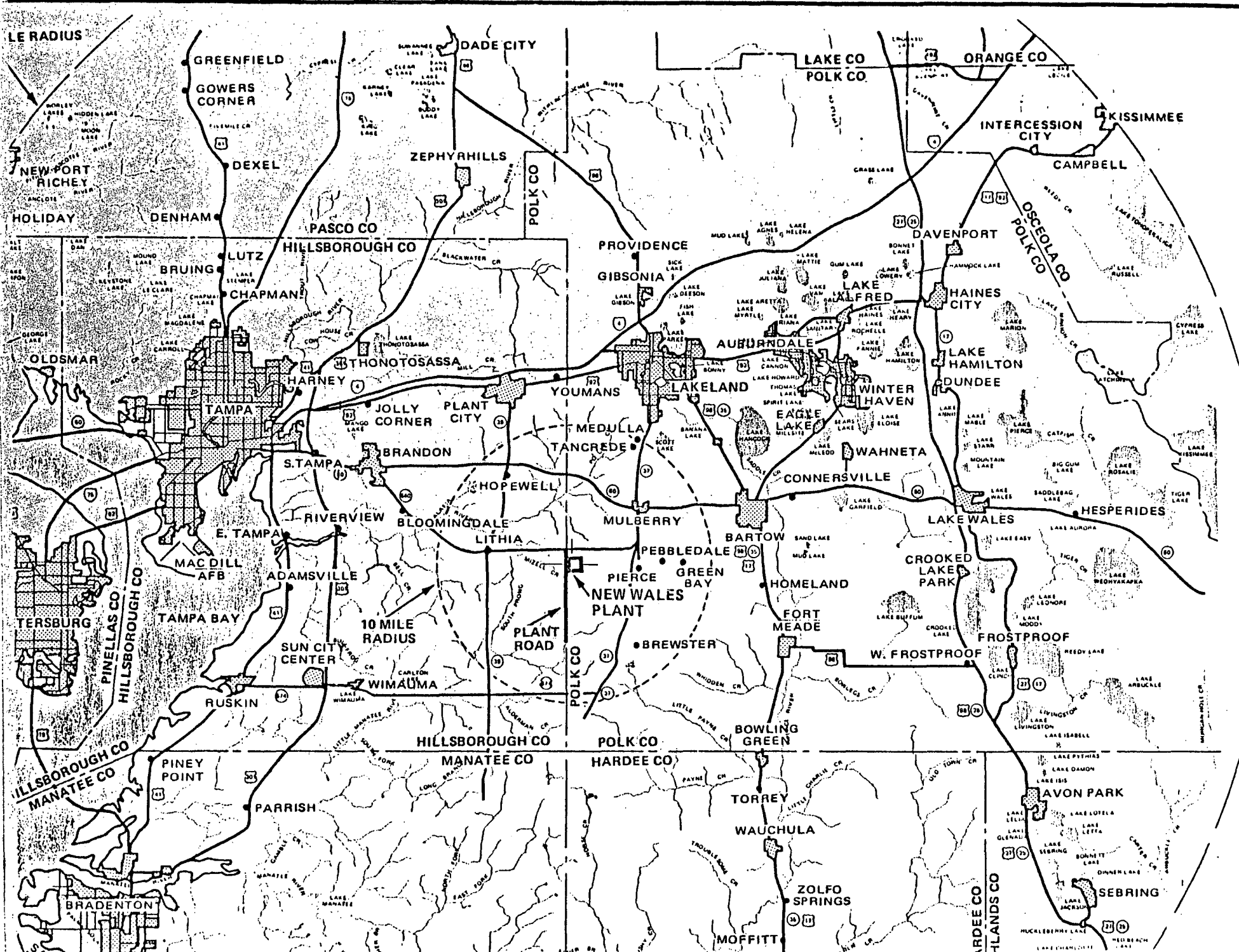
Dear Mr. Traylor:

This letter is your authorization to sign, on behalf of New Wales Operations, various applications for permits from the Florida Department of Environmental Regulations, the U.S. Environmental Protection Agency and other applicable agencies.

Very truly yours,


C. A. Campbell

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3.0 EQUIPMENT SPECIFICATIONS (Cont.)3.11 DUST COLLECTOR

<u>EQUIPMENT NO.</u>	<u>DESCRIPTION</u>
2123	<p><u>Product Surge Bin Dust Collector</u></p> <p><u>Supplier:</u> Mikro-Pulsaire or equivalent.</p> <p><u>Material Handled:</u> Tricalcium Phosphate dust.</p> <p><u>Design Capacity:</u> 5000 ACFM @ 175°F, vent not to exceed 0.02 Gr's/SCF.</p> <p><u>Construction:</u> Factory welded 12-gauge hot rolled steel housing, (81) 8'-long 16 oz. polyester bags, (81) venturies, 60 trough hopper, airlock with polyurethane tipped vanes, flanged exhaust connection, exhaust fan, one set of standard support legs, one lot roof handrails, one caged ladder.</p> <p><u>Drive:</u> 20HP, 1800 RPM fan motor, 1/2HP, 1725 RPM airlock motor. All motors to be Westinghouse MAC II, 460/3/60.</p>

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

No. 33602

RECEIPT FOR APPLICATION FEES AND MISCELLANEOUS REVENUE

Received from IMC - New Wales Operations Date April 6, 1982

Address P.O. Box 1035 Mulberry, Florida 33860 Dollars \$ 20.00

Applicant Name & Address J. H. Taylor, P.O. Box 1035 Mulberry, FL 33860

Source of Revenue _____

Revenue Code 0101 Application Number AC 53-54878

By Patricia B. Adams

FIRST NATIONAL BANK
OF LAKE LAND
LAKE LAND, FLORIDA

INTERNATIONAL MINERALS & CHEMICAL CORP.
NEW WALES OPERATIONS
P.O. BOX 1035 • MULBERRY, FLORIDA 33860



63-728
631

CHECK NO. 588384

03	12	82
MONTH	DAY	YEAR

OPERATING ACCOUNT

PAY TO THE ORDER OF

FLORIDA DEPT. OF ENVIRONMENTAL REGULATION
7601 HIGHWAY 301 NORTH
TAMPA, FLORIDA 33610

AMOUNT
*****20.00

EE Jones
AUTHORIZED SIGNATURE

⑈ 588384 ⑈ ⑆ 063107283 ⑆ 03 12 82

NO. 588384

INTERNATIONAL MINERALS & CHEMICAL CORPORATION
NEW WALES OPERATIONS • P.O. BOX 1035 • MULBERRY, FLORIDA 33860

DETACH
BEFORE DEPOSITING

INVOICE DATE			INVOICE NUMBER	REFERENCE NUMBER	PURCHASE ORDER NO.	INVOICE AMOUNT	DISCOUNT	NET PAYABLE
MONTH	DAY	YEAR						
03	09	82	PERMIT FEE	03092-382-127		20.00		20.00
						20.00	.00	20.00

D.E.R.

APR 07 1982

SOUTHWEST DISTRICT
TAMPA

DEPARTMENT OF ENVIRONMENTAL REGULATION

ROUTING AND TRANSMITTAL SLIP

ACTION NO.

ACTION DUE DATE

1. TO: (NAME, OFFICE, LOCATION)

Clair Fawcett

INITIAL

DATE

2.

BACM

INITIAL

DATE

3.

INITIAL

DATE

4. *RE: IMC - New Wales*

INITIAL

DATE

REMARKS:

*Under the
division of permitting
responsibilities, CAPS should
process this
permit.*

INFORMATION

- REVIEW & RETURN
- REVIEW & FILE
- INITIAL & FORWARD

DISPOSITION

- REVIEW & RESPOND
- PREPARE RESPONSE
- FOR MY SIGNATURE
- FOR YOUR SIGNATURE
- LET'S DISCUSS
- SET UP MEETING
- INVESTIGATE & REPT
- INITIAL & FORWARD
- DISTRIBUTE
- CONCURRENCE
- FOR PROCESSING
- INITIAL & RETURN

FROM:

Ben O'Neil

DATE

4-16-82

PHONE