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Dept. of Environmental Reg.
West Palm Beach



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

SOURCE TYPE: Spraying Painting New¹ Existing¹
APPLICATION TYPE: Construction Operation Modification
COMPANY NAME: NAILITE WEATHER SHIELD PRODUCTS, INC. COUNTY: DADE

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) V.O.C.

SOURCE LOCATION: Street 1251 N. W. 165th Street City MIAMI
UTM: East Zone 17; 578.2 Km North 2867.3 Km
Latitude 25° 55' 25" N Longitude 80° 13' 09" W 2/23/81

APPLICANT NAME AND TITLE: GILBERTO OSLE ASSISTANT TREASURER
APPLICANT ADDRESS: 1251 N. W. 165th Street

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

A. APPLICANT

I am the undersigned owner or authorized representative* of NAILITE WEATHER SHIELD PRODUCTS, INC.

I certify that the statements made in this application for a 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]
GILBERTO OSLE, ASSISTANT TREASURER
Name and Title (Please Type)
Date: Feb. 13, 1981 Telephone No. 620-6200

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]
Name (Please Type)

(Affix Seal) [Signature] MANHAR K. TADAV P.E.I.S.
Company Name (Please Type)
4229 SW 74 CT MIAMI FLA 33155
Mailing Address (Please Type)

Florida Registration No. 20134 Date: 2/13/81 Telephone No. 264 4511

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

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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.

Filtered exhaust system with up blast discharge. Duct Square - 24 side O.D.

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

Start of Construction upon receipt of permit Completion of Construction 2 months 3/23/81

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.)

Paint Arrestor Filters

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

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 7 1/2 ; days/wk 4 1/2 ; wks/yr 48 ; if power plant, hrs/yr ; if seasonal, describe: Paint Line can't operate below 40°F.

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? Yes No
a. If yes, has "offset" been applied? No
b. If yes, has "Lowest Achievable Emission Rate" been applied? No
c. If yes, list non-attainment pollutants. OZONE
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.

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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		
Spray Painting				
Acrylic Enamel	V.O.C.	8.±½ lb	= 6.7#/Hr.	Drawing # 1

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	
Acrylic Enamel	6.74	5.46	17.2	5 #/Hr	6.74	T/yr 5.46	Dwg # 1

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)
None				

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 _____ Maximum _____

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

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

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

Gas Flow Rate: _____ ACFM Gas Exit Temperature: _____ °F.

Water Vapor Content: _____ % Velocity: _____ FPS

N/A

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. _____

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N/A	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.): **N/A**

SECTION V: SUPPLEMENTAL REQUIREMENTS

Please provide the following supplements where required for this application.

1. Total process input rate and product weight – show derivation.
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.
3. Attach basis of potential discharge (e.g., emission factor, that is, AP42 test).
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, etc.).
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).
6. An 8½" 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.
7. An 8½" x 11" plot plan showing the location of the establishment, and points of airborne emissions, in relation to the surrounding area (attach a map).
8. An 8½" x 11" plot plan of facility showing the location of manufacturing processes and outlets for airborne emissions. Relate all flows to the flow diagram.

- 9. An application fee of \$20, unless exempted by Section 17-4.05(3), F.A.C. 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?
 Yes No

N/A	Contaminant	Rate or Concentration

B. Has EPA declared the best available control technology for this class of sources (If yes, attach copy) Yes No

N/A	Contaminant	Rate or Concentration

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

N/A	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:
- 5. Useful Life:
- 6. Operating Costs:
- 7. Energy:
- 8. Maintenance Cost:
- 9. Emissions:

N/A	Contaminant	Rate or Concentration

*Explain method of determining D 3 above.

10. Stack Parameters N/A

- 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*:
- d. Capital Cost:
- e. Useful Life:
- f. Operating Cost:
- g. Energy*:
- 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*:
- d. Capital Cost:
- e. Useful Life:
- f. Operating Cost:
- g. Energy**:
- h. Maintenance Costs:
- 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:

*Explain method of determining efficiency.

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

3.

- a. Control Device:
- b. Operating Principles:
- c. Efficiency*:
- d. Capital Cost:
- e. Life:
- f. Operating Cost:
- g. Energy:
- h. Maintenance Cost:

*Explain method of determining efficiency above.

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- i. Availability of construction materials and process chemicals: N/A
- j. Applicability to manufacturing processes:
- k. Ability to construct with control device, install in available space and operate within proposed levels:

- a. Control Device
- b. Operating Principles:

- c. Efficiency*:
- d. Capital Cost:
- e. Life:
- f. Operating Cost:
- g. Energy:
- 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:

F. Describe the control technology selected:

- 1. Control Device:
- 2. Efficiency*:
- 3. Capital Cost:
- 4. Life:
- 5. Operating Cost:
- 6. Energy:
- 7. Maintenance Cost:
- 8. Manufacturer:
- 9. Other locations where employed on similar processes:

- a.
 - (1) Company:
 - (2) Mailing Address:
 - (3) City:
 - (4) State:
 - (5) Environmental Manager:
 - (6) Telephone No.:

*Explain method of determining efficiency above.

- (7) Emissions*:

Contaminant	Rate or Concentration

- (8) Process Rate*:

- b.
 - (1) Company:
 - (2) Mailing Address:
 - (3) City:
 - (4) State:

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

(5) Environmental Manager: N/A

(6) Telephone No.:

(7) Emissions*:

Contaminant	Rate or Concentration
_____	_____
_____	_____
_____	_____

(8) Process Rate*:

10. Reason for selection and description of systems: N/A

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

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SECTION VII – PREVENTION OF SIGNIFICANT DETERIORATION

A. Company Monitored Data N/A

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

Period of monitoring _____
month day year month day year

Other data recorded _____

Attach all data or statistical summaries to this application.

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 on 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.

*Specify bubbler (B) or continuous (C).

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.



SUN CLUB ROAD
 BOX 3858
 WEST PALM BEACH, FLORIDA 33402

BOB GRAHAM
 GOVERNOR

JACOB D. VARN
 SECRETARY

WARREN G. STRAHM
 SUBDISTRICT MANAGER

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

SOUTH FLORIDA SUBDISTRICT

COMPLETENESS SUMMARY
 AIR POLLUTION SOURCES

SOURCE NAME: Nailite Weather Shield Products DATE RECEIVED: 2/26/81
 Paint Spray Facility DATE REVIEWED: 3/25/81
 APPLICANT NAME: Mr. Gilberto Osle REVIEWED BY: Mr. I. Goldman
 APPLICANT ADDRESS: 1251 Northwest 165 Street, Miami, Florida 33169

Your application for a permit to construct/operate this referenced project has been received, and reviewed for completeness. The following checked items are needed to complete your application.

- () Application fee of \$20. Make check payable to the Department of Environmental Regulation.
- (X) See comments on application, copy attached.
- (X) Letter authorizing applicant to represent owner.
- () 8½" x 11" diagram of flow process.
- (X) 8½" x 11" location map.
- () 8½" x 11" plant layout sketch showing emission points.
- () Test results showing compliance with emission limitations of the department.
- () Air diffusion modeling results showing compliance with ambient air standards and PSD increment.
- () Engineer's report pursuant to Section 17-4.21(1)(c), F.A.C.
- (X) Other: (Any section of the application which is incomplete or lacks sufficient information to be evaluated)
 1. Please supply formulation of paint sprays to be used and amount of paints to be used.
 2. Provide height of emission paint above ground level.
 3. Verify or correct UTM Coordinates shown.
 4. Supply construction dates.

P.O. BOX 3858
WEST PALM BEACH, FLORIDA 33402



DER-WF	Copy	Route
	Action A	2
DATE	PER.	DADE
	DEF.	BRW.
	WA	P. ECH.
	BRG	B. ECH.

REMARKS:

BOB GRAHAM
GOVERNOR
JACOB D. VARN
SECRETARY

WARREN G. STRAHM
SUBDISTRICT MANAGER

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

March 26, 1981

SOUTH FLORIDA SUBDISTRICT

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MAR 29 1981

Mr. Gilberto Osle, Comptroller
Nailite Weather Shield Products, Inc.
1251 Northwest 165 Street
Miami, Florida 33169 620-6200

AP - Dade County
Nailite Weather Shield
Products, Inc.
Paint Spray Facility

Dear Mr. Osle:

This is to acknowledge receipt of your application, file number AC 13-40995, for a permit to:

construct an air pollution source

_____ This letter constitutes notice that a permit will be required for your project pursuant to Chapter(s) _____, Florida Statutes.

_____ Your application for permit is complete as of _____ and processing has begun. You are advised that the department under Chapter 120, Florida Statutes, must take final action on your application within ninety (90) days unless the time is tolled by an administrative hearing.

XXXX Your application for permit is incomplete. Please provide the information listed on the attached sheet promptly. Evaluation of your proposed project will be delayed until all requested information has been received.

_____ The additional information received on _____ was reviewed, however, the items listed on the attached sheet remain incomplete. Evaluation of your proposed project will continue to be delayed until we receive all requested information.

_____ At this time no permit is required for your project by this department, and there are no objections to your proposal. Any modifications in your plans should be submitted for review, as changes may result in permits being required. This letter does not relieve you from the need to obtain any other permits (local, state or federal) which may be required.

If you have any questions, please contact Mr. Goldman (305/689-5800) of this office. When referring to this project, please use the file number indicated above.

cc: M. K. Jadav, P.E.
Metro-Dade County
Environmental Resources
Mgmt.

Sincerely,

Roy M. Duke
Roy M. Duke, P.E.
Permitting Section Head

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Dept. of Environmental Reg.
West Palm Beach

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STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

APPLICATION TO OPERATE/CONSTRUCT
AIR POLLUTION SOURCES

SOURCE TYPE: Spraying Painting New¹ Existing¹

APPLICATION TYPE: Construction Operation Modification

COMPANY NAME: NAILITE WEATHER SHIELD PRODUCTS, INC. COUNTY: DADE

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) V.O.C.

SOURCE LOCATION: Street 1251 N. W. 165th Street City MIAMI

Please verify on map
UTM: East zone 17j; 598.2 Km North 2867.3 Km
Latitude 25° 55' 25" N OK Longitude 80° 13' 09" W

APPLICANT NAME AND TITLE: GILBERTO OSLE ASSISTANT TREASURER

APPLICANT ADDRESS: 1251 N. W. 165th Street

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

A. APPLICANT

I am the undersigned owner or authorized representative* of NAILITE WEATHER SHIELD PRODUCTS, INC.

I certify that the statements made in this application for a 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]

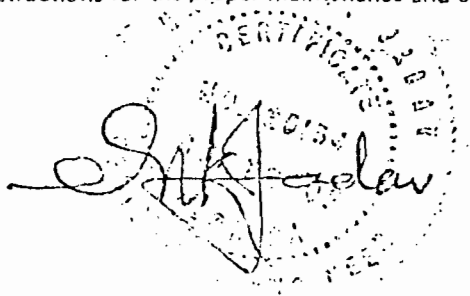
GILBERTO OSLE, ASSISTANT TREASURER
Name and Title (Please Type)

Date: Feb. 13, 1981 Telephone No. 620-6200

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.

(Affix Seal)



Signed: [Signature]

MANHAR K. TADAV, P.E.I.S.
Name (Please Type)
Company Name (Please Type)

4229 SW 74 CT MIAMI FLA 33155
Mailing Address (Please Type)

Florida Registration No. 20134 Date: 2/13/81 Telephone No. 264 4511

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

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

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

of V.O.C. (solvents) how much paint used per hour (design rate)

Description	Contaminants		Utilization Rate - lbs/hr	Relate to Flow Diagram
	Type	% wt		
Spray Painting				
Acrylic Enamel	V.O.C.	8. ± 1 lb	= 6.7#/Hr.	need formulation of paints used Drawing # 1
				<i>Information already sent</i>

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	
Acrylic Enamel	6.74	5.46	17.2	5 #/Hr	6.74	5.46	Dwg # 1

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)
None				

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



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.

Filtered exhaust system with up blast discharge. Duct Square - 24 side O.D. CFM. 9,600 per booth. Will be in full compliance with NFPA regulations & EPA

please supply information use estimates if necessary

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

Start of Construction 4/5/81 Completion of Construction 4/25/81

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.)

Paint Arrestor Filters

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

please supply info-

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 7 1/2; days/wk 4 1/2; wks/yr 48; if power plant, hrs/yr _____; if seasonal, describe: Paint Line can't operate below 40°F.

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? | <u>Yes</u> |
| a. If yes, has "offset" been applied? | <u>No</u> |
| b. If yes, has "Lowest Achievable Emission Rate" been applied? | <u>No</u> |
| c. If yes, list non-attainment pollutants. | |
| <u>OZONE</u> | |
| 2. Does best available control technology (BACT) apply to this source? If yes, see Section VI. | <u>No</u> |
| 3. Does the State "Prevention of Significant Deterioration" (PSD) requirements apply to this source? If yes, see Sections VI and VII. | <u>No</u> |
| 4. Do "Standards of Performance for New Stationary Sources" (NSPS) apply to this source? | <u>No</u> |
| 5. Do "National Emission Standards for Hazardous Air Pollutants" (NESHAP) apply to this source? | <u>No</u> |

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

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 _____ Maximum _____

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

H. Emission Stack Geometry and Flow Characteristics: (Provide data for each stack):
 Stack Height: 27 ft. ft. Stack Diameter: N.A. ft.
 Gas Flow Rate: N.A. ACFM Gas Exit Temperature: N.A. °F.
 Water Vapor Content: N.A. % Velocity: N.A. FPS

height of emission point above ground level

N/A

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. _____

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

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.): N/A

SECTION V: SUPPLEMENTAL REQUIREMENTS

Please provide the following supplements where required for this application.

1. Total process input rate and product weight – show derivation.
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.
3. Attach basis of potential discharge (e.g., emission factor, that is, AP42 test).
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, etc.).
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).
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.
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).
location on a road map will do.
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.

Nailite® Weather Shield® Products, inc.

1251 Northwest 165th Street, Miami, Florida 33169

Phone (305) 620-6200

March 25, 1981


Mr. Goldman
Dept of Environmental Regulations
West Palm Beach, Florida

Dear Mr. Goldman:

This letter serves as an authorization for Mr. Gil Osle to sign on our company's behalf, the necessary forms to obtain licensing and permits for our paint line exhaust system.

Very truly yours,

NAILITE WEATHER SHIELD PRODUCTS, INC.



Robert S. Medow
President

AP

DER-WPB	Copy <input checked="" type="checkbox"/> Action A	Route <i>D</i>
CM	TER. <input checked="" type="checkbox"/>	DATE
SDM	ENF.	BRW.
MT.F.	T/A	P. 2/21
TEL	BAG	D. 2/21
REMARKS:		

RECEIVED

MAR 31 1981

Dept. of Environmental Reg.
West Palm Beach



METROPOLITAN DADE COUNTY, FLORIDA

ENVIRONMENTAL RESOURCES MANAGEMENT

909 S.E. FIRST AVENUE
BRICKELL PLAZA BUILDING—RM. 402
MIAMI, FLORIDA 33131
(305) 579-2760



March 27, 1981

DEA-WPB	Copy Action A	Route
REMARKS:		

Warren G. Strahm, P.E.
Subdistrict Manager
Florida Department of Environmental Regulation
P.O. Box 3858
West Palm Beach, Florida 33402

REFERENCE: Application for Permit to Operate
an Air Pollution Source

APPLICANT: Nailite Weather Shield Products, Inc.

LOCATION: 1251 N.W. 165th Street
POLLUTION SOURCE Spraybooths (3)
POLLUTION CONTROL DEVICE: None

Dear Mr. Strahm:

The referenced application has been reviewed and found to be acceptable within the provisions of Chapters 17-2 and 17-4 of the Rules of the State of Florida Department of Environmental Regulation and Chapter 24, Dade County Pollution Control Ordinance.

The issuance of a permit should be subject to the standard provisos. The APIS number for this source is 407 Points 01 to 03.

Very truly yours,

Hugh P. Wong
Air Engineer
Pollution Control Division

HPW/lja

cc: Manhar K. Jadav

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APR 2 1981

Dept. of Environmental Reg.
West Palm Beach

Narlite Weather Shield Products

AC13-40995

Analysis of Application

Paint Spray Testing

10/1/81

1. This construction consists of altering (enlarging) the ductwork to accommodate new filters. Since this lessens the emissions and it is an existing plant, no public notice is required.

2. The Material Safety Data sheet for the Acrylic Air Dry Enamel by Delta Laboratories shows that the paint weighs 8 lb/gal. of which 80% ~~are~~^{are} volatile organic compounds

$$8 \times .8 = 6.4 \text{ #/gal.}$$

$$\text{or } 8.5 \times .8 = 6.8 \text{ #/gal.}$$

rate of utilization is about 1 gal/hr per telcom with Mr. Oserio on 4/3/81. Also height of emission pt. is 27 ft above ground level.