

Marble Works Kitchen and Bath Center
Fort Walton Industrial Park Facility
Facility ID No.: 0910063
Okaloosa County

Air Construction Permit
Permit No.: 0910063-002-AC

Permitting and Compliance Authority:
Department of Environmental Protection
Northwest District Office
160 Governmental Center
Pensacola, FL 32501-5794
Telephone: 850/595-8364
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Air Construction Permit
Permit No.: 0910063-002-AC

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Jeb Bush
Governor

Department of Environmental Protection

Northwest District
160 Governmental Center
Pensacola, Florida 32501-5794

David B. Struhs
Secretary

Permittee: Marble Works Kitchen and Bath Center
Permit No.: 0910063-002-AC
Facility ID No.: 0910063
SIC Nos.: 30
Project: Air Construction Permit

This permit allows increased operation and emission rates and the construction of an additional gelcoat booth and drying tunnel at the Marble Works Kitchen and Bath Center located at 20 NW Ready Avenue in Fort Walton Beach, Okaloosa County; UTM Coordinates: Zone 16, 532.0 km East and 3364.3 km North; Latitude: 30° 24' 44" North and Longitude: 86° 40' West.

STATEMENT OF BASIS: This air construction permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.) and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, and 62-213. 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 permitting authority, in accordance with the terms and conditions of this permit.

Referenced attachments made a part of this permit:

Appendix G-1, General Conditions
Operation and Maintenance Plan (Gelcoat Spray Booths and Baghouses)

Effective Date: June 27, 2000
Expiration Date: December 27, 2001

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION

Ed K. Middleswart, P.E.
Air Program Administrator

EKM/rvk

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Section I. Facility Information.

Subsection A. Facility Description.

The Marble Works Kitchen and Bath Center is a synthetic marble manufacturing facility producing marble fixtures such as vanity tops and bathroom fixtures.

Cultured marble material is pneumatically loaded into a silo from tanker trucks with loading emissions controlled by a baghouse. The marble material is then conveyed by an enclosed screw conveyor to mixers and mixed with resin. The marble resin is then hand applied to molds previously sprayed with gelcoat. After curing, the molded fixtures are removed from the molds, and then finished by polishing and sanding.

In addition, some specialty solid surface product such as Corian are manufactured using a vacuum mixing process, open mold casting, and finishing including sanding with a belt sander. VOC emissions from this process are included in the calculated emissions associated with resin usage; particulate emissions associated with the finishing processes are captured using an internally vented baghouse. This activity is considered to have insignificant additional particulate emissions.

Permit AC46-252002 was issued September 19, 1994 for this facility. This construction permit included three emission units, and included maximum operation rates and specific emission limits for grinding and gelcoat emissions. These limits are included in the subsequent operation permit, AO46-273666.

This construction permit allows increased operation rates and emissions, and the construction of an additional gelcoat booth and drying tunnel. VOC and HAP emissions are calculated using emission factors provided by the Composites Fabricators Association for controlled spray gelcoat application, and manual resin application.

Emission unit 003 (Product Casting) includes product casting with emissions resulting from synthetic marble resin mixing, gelcoat application, marble/resin casting and curing, and combustion-related emissions associated with the drying tunnel. This emission unit is limited to 1,218 pounds per hour and 1425 TPY of raw materials (resin, gelcoat, and marble dust) usage, and 4,160 hours per year of operation. Emissions are controlled by limiting the gelcoat and resin styrene content, and by the use of controlled gelcoat spraying.

Emissions from this emission unit include 19.1 TPY of VOCs and HAPs, an increase of 9.6 TPY HAPs based on the previously issued permits. As a result this project results in an increase of HAPs less than the major source threshold, and does not trigger a determination of Case by Case MACT as required by Section 112 of the Clean Air Act.

This emission unit is subject to the general emission limits and standards, including visible emissions (less than 20% opacity) and objectionable odor (prohibited).

Compliance with the operation rates and emission limits will be demonstrated by monthly and 12-month annual record keeping which includes maintaining records of material usage including materials composition, and resultant emissions calculated based on material usage and acceptable emission factors.

Emission Unit 004 includes activities resulting in particulate emissions controlled by baghouses. This includes the pneumatic offloading of cultured marble material into the storage silo, and product finishing including sanding and polishing.

This emission unit is limited to a maximum offloading rate of 25 tons per hour and 1,050 TPY of marble dust, and 1,200 pounds per hour and 1,404 TPY of product finishing, and 4,160 hours per year of operation for product finishing. Emissions are controlled by baghouses, and the use of good management practices, including maintaining negative operating pressures within the manufacturing facility, the use of air flow indicators or "tell tales", the use of partitioned, clear plastic strips for the grinding booth, etc.

The previously issued permits included source specific emission limits for PM emissions resulting from the product finishing activities, and this emission unit is considered a regulated activity subject to the 5% visible emissions criteria in Rule 62-297.620, F.A.C.

Compliance with the VE emission limits will be demonstrated with annual VE tests. Compliance with the production limits will be demonstrated by record keeping of materials usage.

Based on the permit application received February 4, 2000, this facility is a major source of hazardous air pollutants (HAPs).

Subsection B. Summary of Emissions Unit ID No(s). and Brief Description(s).

E.U.

<u>ID No.</u>	<u>Brief Description</u>
003	Product Casting
004	Cultured Marble Handling and Product Finishing

Please reference the Permit No., Facility ID No., and appropriate Emissions Unit(s) ID No(s). on all correspondence, test report submittals, applications, etc.

Subsection C. Relevant Documents.

The documents listed below are not a part of this permit; however, they are specifically related to this permitting action.

These documents are provided to the permittee for information purposes only:
Appendix H-1, Permit History / ID Number Changes

These documents are on file with permitting authority:

Permit application received February 4, 2000
Additional Information Request dated February 15, 2000
Revised application received March 30, 2000
Additional application corrections received April 7, 2000
Additional Information Request dated April 12, 2000
Revised application received April 26, 2000
Additional Information Request dated May 9, 2000
Additional Information received May 26, 2000

Section II. Facility-wide Conditions.

The following conditions apply facility-wide:

1. APPENDIX G-1, GENERAL CONDITIONS, is a part of this permit.
2. General Pollutant Emission Limiting Standards. Objectionable Odor Prohibited. The permittee shall not cause, suffer, allow, or permit the discharge of air pollutants which cause or contribute to an objectionable odor. Objectionable odor is any odor present in the outdoor atmosphere which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance.
[Rule 62-296.320(2), F.A.C.]
3. General Particulate Emission Limiting Standards. General Visible Emissions Standard. Except for emissions units that are subject to a particulate matter or opacity limit set forth or established by rule and reflected by conditions in this permit, no person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than that designated as Number 1 on the Ringelmann Chart (20 percent opacity). EPA Method 9 is the method of compliance pursuant to Chapter 62-297, F.A.C.
[Rules 62-296.320(4)(b)1. & 4., F.A.C.]
4. Prevention of Accidental Releases (Section 112(r) of CAA).
 - a. As required by rule, inspection, or change in process the owner or operator shall submit an updated Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center.
 - b. The owner or operator shall report to the Department of Community Affairs (DCA) within one working day of discovery of an accidental release of a regulated substance from the stationary source, if the owner or operator is required to report the release to the USEPA/Chemical Safety Hazard Investigation Board or the National Response Center under Section 112(r)(6).

c. The owner or operator shall submit the required annual registration fee to the DCA on or before June 21, 1999 and on April 1 annually thereafter, in accordance with Part IV, Chapter 252, F.S. and Rule 9G-21, F.A.C.

5) An annual operating report for air pollutant emitting facility, DEP Form 62-210.900(5), shall be submitted by March 1 of each year. A copy of the form and instructions May be obtained from the Department's Northwest District office.
[Rule 62-210.370, F.A.C.]

6. General Pollutant Emission Limiting Standards. Volatile Organic Compounds (VOC) Emissions or Organic Solvents (OS) Emissions. The permittee shall allow no person to store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds (VOC) or organic solvents (OS) without applying necessary known and existing vapor emission control devices. This shall include but is not limited to the following measures:

- All vats, containers, etc. that are used for temporary and permanent storage of VOC/organic solvents shall be covered to prevent vaporization of VOCs when not in use.
- All equipment, pipes, hoses, lids, fittings, etc., shall be operated/maintained in such a manner as to minimize leaks, fugitive emissions, and spills of VOC materials.
- Measures shall be taken to insure a negative air pressure inside the manufacturing facility to ensure that airflow is incoming to the building when doors or windows are open. Visible telltales shall be displayed in all doorways and openings, to show the direction of airflow.

[Rule 62-296.320(1)(a), F.A.C.]

7. Reasonable precautions to prevent emissions of unconfined particulate matter at this facility include: general maintenance and housekeeping, use of vacuum collectors and filters, maintaining air flow into the facility when doorways or windows are open, and other measures as necessary.

[Rule 62-296.320(4)(c)2., F.A.C.]

8. When appropriate, any recording, monitoring, or reporting requirements that are time-specific shall be in accordance with the effective date of the permit, which defines day one.
[Rule 62-213.440, F.A.C.]

9. A Major Air Pollution Source Annual Operation Fee Form [DEP Form 62-213.900(11)] must be completed and submitted with appropriate fee between January 15 and March 1 of each year. A copy of the form and instructions May be obtained from the Department's Northwest District office. If the Department has not received the fee payment by March 1, the Department shall impose, in addition to the fee, a penalty of fifty (50) percent of the amount of the fee, plus interest on such amount computed in accordance with Section 220.807, Florida Statutes. The Department May revoke any major air pollution source operation permit if it finds that the permit holder has failed to pay timely and required annual operations license fee, penalty or interest.

[Rule 62-213, F.A.C.]

10. The applicant shall retain a Professional Engineer, registered in the State of Florida, for the inspection of this project. Upon completion the engineer shall inspect for conformity to the permit application and associated documents. An application for an operation permit shall be submitted with the compliance test results and appropriate fee when applicable. These are to be submitted within 45 days after initial operation of the additional gelcoat spray booth and drying tunnel or 365 days of issuance of this permit, whichever occurs first.
[Rules 62-210.300(2) and 62-4.050(3), F.A.C.]

11. The permittee shall submit all compliance-related notifications and reports required by this permit to the Department's Northwest District office.

Department of Environmental Protection
Northwest District Office
160 Governmental Center
Pensacola, Florida 32501-5794

12. The Department shall be notified upon commencement of construction. The Department shall be notified and prior approval shall be obtained of any changes or revisions made during construction. Projects beyond one year require annual status reports.
[Rule 62-4.030, F.A.C.]

13. The Department telephone number for reporting problems, malfunctions, or exceedances under this permit is (850) 595-8364, extension 1220, day or night, and for emergencies involving a significant threat to human health or the environment is (800) 320-0519. For routine business, telephone (850) 595-8364, then press 7, during normal working hours.
[Rules 62-210.700 and 62-4.130, F.A.C.]

Section III. Emissions Unit(s) and Conditions.

Subsection A. This section addresses the following emissions unit(s).

E.U.

<u>ID No.</u>	<u>Brief Description</u>
003	Product Casting

This emission unit includes product casting with emissions resulting from synthetic marble resin mixing, gelcoat application, marble/resin casting and curing, and combustion-related emissions associated with the drying tunnel. This emission unit is limited to 1,218 pounds per hour and 1,425 TPY of raw material usage, and 4,160 hours per year of operation. Emissions are controlled by limiting the gelcoat and resin styrene content, and by the use of controlled gelcoat spraying consistent with the Consolidated Fabricators Association program including spray operator training, spray gun pressure calibration, and close containment mold flanges.

This construction permit allows increased operation rates and emissions, and the construction of an additional gelcoat booth and drying tunnel. The new gelcoat booth will be 14' long by 8' wide and equipped with filters and a 10,000-CFM exhaust fan and a 24" exhaust stack with a stack height 3' above the roof. The filter area will be a minimum of 42 square feet. The new drying tunnel will be natural gas fired and 8.5' wide by 50' long and 3.5' high.

Emissions from this emission unit include 19.1 TPY of VOCs and HAPs, an increase of 9.6 TPY HAPs based on the previously issued permits. As a result this project results in increases of HAPs less than the major source threshold, and does not trigger a determination of Case by Case MACT as required by Section 112 of the Clean Air Act.

Emissions are calculated using emission factors associated with the following SCC activities:

- a. SCC 3-08-007-20 (Fiberglass Resin Products, General; SCC unit tons, produced), Marble resin mixing
- b. SCC 3-08-007-22 (Fiberglass Resin Products, Gel coat spray on; SCC unit, tons applied), mold gelcoat spraying
- c. SCC 3-08-007-23 (Fiberglass Resin Products, Resin, General, Roll on; SCC unit, tons applied), marble/resin casting
- d. SCC 1-05-001-06 (External combustion, natural gas; SCC unit, MMCF), dryers.

This emission unit is subject to the general emission limits and standards, including visible emissions (less than 20% opacity) and objectionable odor (prohibited).

Compliance with the operation rates and emission limits will be demonstrated by operator training, and by monthly and 12-month annual record keeping which includes maintaining records of material usage including materials composition, and resultant emissions calculated based on material usage and acceptable emission factors.

The following specific conditions apply to the emissions unit(s) listed above:

Essential Potential to Emit (PTE) Parameters

A.1. Capacity. The maximum process rate shall not exceed 1,218 lbs/hr or 1,425 tons per year of raw materials (resin, gelcoat, and marble dust). The styrene content of the gelcoat shall not exceed 38% by weight; and, the resin, 33% by weight. The permittee shall maintain records of the raw materials utilized as required by specific condition A.9.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; Construction permit application received February 4, 2000 and modified March 30, 2000, April 7, 2000, April 26, 2000, and May 26, 2000]

A.2. Methods of Operation - (i.e., Fuels). The drying tunnels shall be fired by natural gas and limited to a maximum heat input of 0.25 MMBtu/hr for both tunnels combined. The permittee shall maintain records of the natural gas used as required by specific condition A.9.

[Rules 62-4.160(2) and 62-213.440(1), F.A.C.; Construction permit application received February 4, 2000 and modified March 30, 2000, April 7, 2000, April 26, 2000, and May 26, 2000]

A.3. Hours of Operation. The hours of operation for this emissions unit shall not exceed 4,160 hours per year. The permittee shall maintain records of the hours of operation as required by specific condition A.9.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; Construction permit application received February 4, 2000 and modified March 30, 2000, April 7, 2000, April 26, 2000, and May 26, 2000]

Emission Limitations and Standards

A.4. The maximum allowable emissions for VOCs, Total HAPs, and styrene are:

VOCs: 19.1 tons per rolling twelve-month period
HAPs: 19.1 tons per rolling twelve-month period
Styrene: 18.0 tons per rolling twelve-month period

The permittee shall maintain records of VOC, HAP, and styrene emissions calculated based upon materials usage as required by specific condition A.9.

[Rule 62-4.070, F.A.C.; Construction permit application received February 4, 2000 and modified March 30, 2000, April 7, 2000, April 26, 2000, and May 26, 2000]

Test Methods and Procedures

A.5. Special Compliance Tests. When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in a Department rule or in a permit issued pursuant to those rules is being violated, it may require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the Department.

[Rule 62-297.310, F.A.C.]

A.6. The test reports shall comply with applicable portions of Rule 62-297.310, F.A.C., Test Reports. The Department can require special compliance tests in accordance with Rule 62-297.310(7), F.A.C. Other test methods and alternate compliance procedures May be used only after prior Departmental approval has been obtained in writing.
[Rules 62-297.310(7) and 62-297.620(1), F.A.C.]

A.7. Testing of emissions shall be conducted with the source operating at capacity.
[Rules 62-297.310(2) and 62-4.070, F.A.C.]

Monitoring of Operations, Recordkeeping and Reporting Requirements

A.8. The permittee shall monitor the filter pressure differential for the gelcoat spray booths, and shall replace filters at a pressure differential of $-0.3''$ WG. The pressure differentials shall be surrogate compliance parameters. The filters shall be maintained consistent with the attached Spraybooth and Baghouse Operation and Maintenance Plan.
[Rule 62-4.070, F.A.C.; Construction permit application received February 4, 2000 and modified March 30, 2000, April 7, 2000, April 26, 2000, and May 26, 2000]

A.9. The permittee shall maintain records which shall include as a minimum:

- a. Hours of operation (monthly, annually).
- b. Materials throughput, styrene content, and usage (pounds per month and average pounds per hour of resin, gelcoat, marble dust, other solvents and VOC/HAP-containing materials).
- c. Identification of all HAPs with emissions in excess of 1,000 pounds per rolling twelve-month period
- d. VOC, HAP, and styrene emissions. This shall include calculated monthly and rolling twelve-month VOC and HAP emissions. The calculated emissions shall identify total VOC, HAP, and styrene emissions and all individual HAP emissions in excess of 1,000 pounds per rolling twelve-month period. The calculations shall be based on materials usage (resins, gelcoats, VOC/HAP containing solvents and other materials such as cements, cleaners, etc.) and emission factors acceptable to the Department.
- e. Daily filter and baghouse pressure differential readings (inches, WG) and dates of filter changes
- f. Quantity natural gas usage (MMCF per month, rolling twelve months)

Monthly summaries and rolling twelve-month averages shall be certified and signed by the responsible company representative to be accurate and truthful calculated representations of actual emissions. The records of monthly summaries and rolling twelve-month averages of emissions shall be kept and maintained for at least five years, and shall be made available for Department inspection as necessary. The permittee shall install, use, and maintain appropriate systems to gather the necessary data.
[Rule 62-4.070, F.A.C.; Construction permit application received February 4, 2000 and modified March 30, 2000, April 7, 2000, April 26, 2000, and May 26, 2000]

A.10. The permittee shall maintain current training certification records available for Department inspection of all gelcoat spray gun operators.
[Rule 62-4.070, F.A.C.; Construction permit application received February 4, 2000 and modified March 30, 2000, April 7, 2000, April 26, 2000, and May 26, 2000]

Training Requirements

A.11. Gelcoat Spray Operators: Gelcoat spray gun operators shall be trained in understanding the effects of transfer efficiency on emissions, of spray gun pressure calibration, and of proper spray gun handling. The gelcoat spray gun operators shall be provided periodic refresher training. All training shall be certified by the ~~Consolidated~~ Fabricators Association as appropriate to maintain a program of controlled gelcoat spraying.
[Rule 62-4.070, F.A.C.; Construction permit application received February 4, 2000 and modified March 30, 2000, April 7, 2000, April 26, 2000, and May 26, 2000]

Section III. Emissions Unit(s) and Conditions.

Subsection B. This section addresses the following emissions unit(s).

E.U.

ID No. Brief Description

004 Cultured Marble Handling and Product Finishing

This emission unit includes activities resulting in particulate emissions controlled by baghouses. This includes the pneumatic offloading cultured marble material from tanker trucks into a 100-ton vertical storage silo, and product finishing including sanding and polishing.

This emission unit is limited to a maximum offloading rate of 25 tons per hour, and 1,200 pounds per hour of product finishing, and 4,160 hours per year of operation for product finishing. Emissions are controlled by baghouses, and the use of good management practices, including maintaining a negative operating pressure within the manufacturing facility, the use of air flow indicators or "tell tales", the use of partitioned, clear plastic strips for the grinding booth, etc.

Emissions from the cultured marble storage silo are controlled with a Clean Flex baghouse with pneumatic shakers, twelve cotton bags, and an air to cloth ratio of 4.6 to 1. This baghouse is located on top of the silo with a horizontal exhaust at a height of 40 feet. Emissions from the product finishing line are controlled by hoods connected to a Gruber baghouse model No. 6-105-84 with pneumatic shakers, 105 cotton bags, and an air to cloth ratio of 4.3 to 1. This baghouse is located adjacent to the finishing area with a horizontal exhaust stack at a height of 20 feet.

The previously issued permits included source specific emission limits for PM emissions resulting from the product finishing activities, and this emission unit is considered a regulated activity subject to the 5% visible emissions criteria in Rule 62-297.620, F.A.C.

Emissions are calculated using emission factors associated with the following SCC activities:

- a. 3-05-011-07 (Marble dust unloading; SCC unit tons processed), marble dust unloading.
- b. 3-08-007-01 (Plastics machining, sanding; SCC unit, tons processed), product finishing

Compliance with the VE emission limits will be demonstrated with annual VE tests. Compliance with the production limits will be demonstrated by record keeping of materials usage.

The following specific conditions apply to the emissions unit(s) listed above:

Essential Potential to Emit (PTE) Parameters

B.1. Capacity. The maximum process rates shall not exceed:

- a. Marble dust unloading, 25 tons per hour and 1050 tons per year at a maximum pressure of 12 psig

- b. Product finishing, 1200 pounds per hour and 1404 tons per year.

The permittee shall maintain records of the quantity of marble dust unloaded as required by specific condition B. 9.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C., Construction permit application received February 4, 2000 and modified March 30, 2000, April 7, 2000, April 26, 2000, and May 26, 2000]

B.2. Hours of Operation. The hours of operation for this emissions unit shall not exceed the following:

- a. Marble dust unloading, unlimited.
- b. Product finishing, 4160 hours/year.

The permittee shall maintain records of the hours of operation as required by specific condition B.9.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C., Construction permit application received February 4, 2000 and modified March 30, 2000, April 7, 2000, April 26, 2000, and May 26, 2000]

Emission Limitations and Standards

B.3. Particulate Matter: Particulate matter emissions shall not exceed the following:

- a. Silo loading: 25 pounds/hour (based on 1050 TPY @ 25 TPH loading)
- b. Product finishing: 1.58 pounds/hour (based on permit AC46-252002)

[Construction permit application received February 4, 2000 and modified March 30, 2000, April 7, 2000, April 26, 2000, and May 26, 2000]

B.4. Visible Emissions: Visible emissions shall not exceed 5% opacity.

[Rule 62-297.620, F.A.C., Construction permit application received February 4, 2000 and modified March 30, 2000, April 7, 2000, April 26, 2000, and May 26, 2000]

Test Methods and Procedures

B.5. Emissions tests are required to show compliance with the standards of the Department. The test results must provide reasonable assurance that the source is capable of compliance at the permitted maximum operating rate. Such tests shall be scheduled and conducted prior to submission of the initial application for operation permit. The Department shall be notified at least 15 days prior to testing to allow witnessing. Results shall be submitted to the Department within forty-five (45) days after testing.

<u>Pollutant</u>	<u>Test Method</u>
VE	DEP method 9

[Rules 62-4.070, 62-297.310(7), and 62-297.401(9), F.A.C.; Construction permit application received February 4, 2000 and modified March 30, 2000, April 7, 2000, April 26, 2000, and May 26, 2000]

B.6. PM. Rule 62-297.620(4) allows the waiver of particulate matter compliance test requirements for an emission unit which has the potential to emit less than 100 tons per year of particulate matter and is equipped with a baghouse. If the Department has reason to believe that the particulate weight emission standard applicable to such emission unit is not being met, it shall require that compliance be demonstrated by the applicable test method. Compliance with the particulate matter emission limit shall be demonstrated by demonstration of compliance with the opacity standard of 5% as required by condition B.4. In the event any emission unit does not satisfactorily demonstrate compliance as required by condition B.5. above, each such emission unit shall demonstrate compliance by EPA Method 5 within 45 days of the test report.
[Rule 62-297.620(4), F.A.C.]

B.7. The test reports shall comply with applicable portions of Rule 62-297.310, F.A.C., Test Reports. The Department can require special compliance tests in accordance with Rule 62-297.310(7) F.A.C. Other test methods and alternate compliance procedures May be used only after prior Departmental approval has been obtained in writing.
[Rules 62-297.310(7) and 62-297.620(1), F.A.C.]

B.8. Testing of emissions shall be conducted with the source operating at capacity. Capacity is defined as 90-100% of rated capacity. If it is impractical to test at capacity, then sources may be tested at less than capacity; in this case subsequent source operation is limited to 110% of the test load until a new test is conducted. Once the unit is so limited, then operation at higher capacities is allowed for no more than 15 days for purposes of additional compliance testing to regain the rated capacity in the permit, with prior notification to the Department.
[Rules 62-297.310(2) and 62-4.070, F.A.C.]

Monitoring of Operations, Recordkeeping and Reporting Requirements

B.9. The permittee shall monitor the pressure differential for the marble dust unloading silo baghouse and product finishing baghouse and shall maintain a pressure differential between 3" and 5" WG for the silo and product finishing baghouses. The pressure differentials shall be surrogate compliance parameters. The baghouses shall be maintained consistent with the attached Spraybooth and Baghouse Operation and Maintenance Plan dated 22 May, 2000.
[Rule 62-4.070, F.A.C.; Construction permit application received February 4, 2000 and modified March 30, 2000, April 7, 2000, April 26, 2000, and May 26, 2000]

B.10. The permittee shall maintain records which shall include as a minimum:

- a. Hours of operation (monthly, annually)
- b. Quantity marble dust unloaded (tons monthly, rolling twelve months)
- c. Quantity product finished (average pounds/hour, tons monthly, rolling twelve months).
- d. Daily baghouse pressure differential readings.

Monthly summaries and rolling twelve-month averages shall be certified and signed by the responsible company representative to be accurate and truthful calculated representations of

actual activities. The records of monthly summaries and rolling twelve month averages of activities shall be kept and maintained for at least five years, and shall be made available for Department inspection as necessary. The permittee shall install, use, and maintain appropriate systems to gather the necessary data.

[Rule 62-4.070, F.A.C.; Construction permit application received February 4, 2000 and modified March 30, 2000, April 7, 2000, April 26, 2000, and MAY 26, 2000]

B.9. Special Compliance Tests. When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in a Department rule or in a permit issued pursuant to those rules is being violated, it may require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the Department.

[Rule 62-297.310, F.A.C.]

Permit No.: 0910063-002-AC

Appendix G-1

GENERAL CONDITIONS:

Page 1 of 2

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "permit conditions", and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and May initiate enforcement action for any violation of these conditions.
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 acknowledgment 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, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; 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.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, are 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 this 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 provide the Department with the following information:
 - a. A description of and cause of noncompliance; 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

Permit No.: 0910063-002-AC

Appendix G-1

GENERAL CONDITIONS:

Page 2 of 2

recurrence of the noncompliance. 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 for 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 involving the permitted source arising under the Florida Statutes or Department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with Florida Rules of Civil Procedure and appropriate evidentiary rules.

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 62-4.120 and 62-730.300, as applicable. The permittee shall be liable for any noncompliance 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. The permittee shall comply with the following:

a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.

b. The permittee shall hold 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) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained 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 measurement;
- the person responsible for performing the sampling or measurement;
- 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.

14. 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 the 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 corrected promptly.

Appendix H-1, Permit History/ID Number Changes

Marble Works Kitchen and Bath Center
Fort Walton Industrial Park Facility

DRAFT Permit No.: 0910063-002-AC
Facility ID No.: 0910063

Permit History (for tracking purposes):

<u>E.U. ID No.</u>	<u>Description</u>	<u>Permit No.</u>	<u>Issue Date</u>	<u>Expiration Date</u>	<u>Extended Date^{1,2}</u>	<u>Revised Date(s)</u>
001	Raw material Storage and baghouse	AC46-252002	09/19/94	7/1/2000		
		AO46-273666	8/28/95			

ID Number Changes (for tracking purposes):

From: Facility ID No.: 001
To: Facility ID No.: 004

Permit History (for tracking purposes):

<u>E.U. ID No.</u>	<u>Description</u>	<u>Permit No.</u>	<u>Issue Date</u>	<u>Expiration Date</u>	<u>Extended Date^{1,2}</u>	<u>Revised Date(s)</u>
002	Grinding Process and baghouse	AC46-252002	09/19/94	7/1/2000		
		AO46-273666	8/28/95			

ID Number Changes (for tracking purposes):

From: Facility ID No.: 002
To: Facility ID No.: 004

Notes:
 1 - AO permit(s) automatic extension(s) in Rule 62-210.300(2)(a)3.a., F.A.C., effective 03/21/96.
 2 - AC permit(s) automatic extension(s) in Rule 62-213.420(1)(a)4., F.A.C., effective 03/20/96.
 {Rule 62-213.420(1)(b)2., F.A.C., allows Title V Sources to operate under valid permits that were in effect at the time of application until the Title V permit becomes effective}

Operation and Maintenance Plan

1. Baghouse #1 exhaust fan is on when cultured marble is transferred from truck tanker to storage silo. Pneumatic pulsators are used to clean bags on regular intervals using timing device. Baghouse is inspected regularly and bags are replaced when necessary. Fan outlet is observed for excessive emissions.
2. Baghouse #2 is on when grinding operation is in process. Operation and maintenance for this baghouse are the same as for baghouse #1.
3. Both baghouses will be equipped with magnehelic type pressure differential switches as part of this construction modification. Expected readings on both gauges are 3 to 5 in. WG. Readings below 3 in. WG indicate loose bags or tears in bags. Readings above 5 in. WG indicates clogged bags. Either condition will be considered malfunction of the baghouse upon which operation will be stopped and problem identified and corrected before operation continues.
4. Existing gelcoat spray booth has two types of filters. Two inch thick paper filters are covered with cotton cloth which acts as a pre-filter. This cloth is changed several times a day. Main filters are changed as needed. Manometer measures negative pressure inside the spray booth. This pressure normally reads -0.3 to -0.7 WG. When negative pressure drops less than -0.3 WG, it indicates main filters are clogged and need replacing.
5. New gelcoat spray booth will be equipped with the same type of filters and manometer.

Revised on 22 May 2000

KCS