Permittee:

Department of the Navy	**Draft Permit Number:**	0310213-017-AC
Naval Station, Mayport	**Facility ID No.:**	0310213
P.O. Box 280112	**SIC No.:**	97
Mayport, FL 32228-0112	**Project**:	Abrasive Blast Booth No. 4, Bldg. 1488

This is a construction permit for the Naval Station, Mayport to construct a blast booth. The facility is located at Old Mayport Road, Mayport, Duval County, Florida, 32228. UTM Coordinates: Zone 17, 460.420 km East and 3361.610 km North; Latitude: 30°23'15" North and Longitude: 81° 24'43" West.

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code (FAC), Rules 62-4, 62-204, 62-210, 62-212, 62-213, 62-296, and 62-297. 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 Regulatory and Environmental Services Department, Air & Water Quality Division (Department), and made a part hereof, in accordance with the terms of this permit.

Title V Operation Permit Application Due Date:	**May 1, 2007**
Expiration Date:	**October 31, 2007**

Environmental Resource Management Department
Environmental Quality Division

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Robert Steven Pace, P.E., Manager
Air Quality Branch

RSP/JW/rdo

Section I. Facility Information

Subsection A. Facility Description

The facility is a major source of air pollution because the potential emissions of regulated pollutants are greater than 100 tons per year. The facility is synthetically limited to a minor source status for hazardous air pollutants (HAPs). Prevention of Significant Deterioration requirements do not apply since the facility potential emissions of any one regulated pollutant is less than 250 tons per year thereby making the facility **minor** for PSD purposes, and the modification itself is minor for PSD purposes. The Department of the Navy operates the Naval Station, Mayport as the homeport for aircraft carriers and various support ships. Air pollution sources located at the base include gas fired boilers with fuel oil back-up, emergency generators, fuel storage tanks, small hot water boilers, parts cleaners, jet engine test stands, potable water treatment operations, an aircraft maintenance depot, various painting operations including paint booths, open air painting, and ship painting. This construction permit is for the construction of an abrasive blast booth no. 4, bldg. 1488.

Subsection B. Summary of Emission Unit (EU) ID Nos. and Brief Descriptions

Emission Unit ID No.	Brief Description
036	Abrasive Blast Booth No. 4, Bldg. 1488

Subsection C. Relevant documents

Air construction permit application received February 27, 2006

Section II. Facility Wide Conditions

Subsection A. General Conditions

1. The terms, conditions, requirements, limitations, and restrictions set forth herein 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 process 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. Neither 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 is not 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 this 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, 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, 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 and at reasonable times, access to the premises where the permitted activity is located or conducted to:
   a. Have access to and copy any records that must be kept under conditions of the permit;
   b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
   c. Sample or monitor 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 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. 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 involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.111 and 403.73, Florida Statutes. Such evidence shall only be used to the extent it is consistent with the 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 Rules 62-4.120 and 62-730.300, FAC, 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 or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:
    ( ) Determination of Best Available Control Technology (BACT)
    ( ) Determination of Prevention of Significant Deterioration (PSD)
    ( ) Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)
    ( ) Compliance with New Source Performance Standards

14. 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 this 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:
        1. The date, exact place, and time of sampling or measurements;
        2. The person responsible for performing the sampling or measurements;
        3. The date(s) analyses were performed;
        4. The person responsible for performing the analyses;
        5. The analytical techniques or methods used;
        6. 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 corrected promptly.
    [Rule 62-4.160, FAC, and Rule 2.1301, Jacksonville Environmental Protection Board (JEPB)]

Subsection B. Specific Conditions

1. Permittee shall notify the Department fifteen (15) days prior to EU testing.
   [Rule 62-297.310(7)(a)(9), FAC, and Rule 2.1101, Jacksonville Environmental Protection Board (JEPB)]

2. Copies of the test report(s) shall be submitted to the Department within forty-five (45) days of completion of testing.
   [Rule 62-297.310(8)(b), FAC, and Rule 2.1101, JEPB]

3. Testing of emissions shall be conducted with the EU operating at permitted capacity. Permitted capacity is defined as 90-100 percent of the maximum operating rate allowed by the permit. If it is impracticable to test at permitted capacity, then the EUs may be tested at less than capacity; in this case subsequent EU operation is limited to 110 percent of the test load until a new test is conducted. Once the EU is so limited, then operation at higher capacities is allowed for no more than 15 consecutive days for the purposes of additional compliance testing to regain the permitted capacity in the permit. [Rule 62-297.310(2), FAC, and Rule 2.1101, JEPB]

4. Any revision(s) to a permit (and application) shall be submitted to and approved by the Department prior to implementing.
[Rule 62-4.080(2), FAC, and Rule 2.1301, JEPB]

5. Control equipment shall be provided with a method of access that is safe and readily accessible.
[Rule 62-297.310(6), FAC, and Rule 2.1101, JEPB]

6. Stack sampling facilities shall comply with the requirements of Rule 62-297.310(6), FAC, and Rule 2.1101, JEPB.

7. Permittee shall submit an annual operation report to the Department for this (these) emission unit(s) on the form(s) supplied for each calendar year on or before March 1.
[Rule 62-210.370(3), FAC, and Rule 2.301, JEPB]

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 a Title V Air Operating Permit with compliance records and test results, to the Department, at least one hundred eighty (180) days prior to the expiration date of the construction permit but no later than 180 days after completion of construction, whichever occurs first. The 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 operating permit to operate.
[Rule 62-210.300(2), FAC, Rule 62-213.420(1)(a)2., FAC, Rule 2.301, JEPB, and Rule 2.501, JEPB]

9. The construction shall reasonably conform to the plans and schedule submitted in the application. If the permittee is unable to complete construction on schedule, the Department must be notified in writing sixty (60) days prior to the expiration of the construction permit. A new schedule and request for an extension of the construction permit must be submitted.
[Rule 62-4.080(3), FAC, and Rule 2.1301, JEPB]

10. <u>General Pollutant Emission Limiting Standards. Objectionable Odor Prohibited</u>.

    The permittee shall not cause, suffer, allow, or permit the discharge of air pollutants, which cause or contribute to an objectionable odor.
[Rule 62-296.320(2), FAC, and Rule 2.1001, JEPB]

11. The facility shall be subject to City of Jacksonville Ordinance Code, Title X, Chapter 360 [Environmental Regulation], Chapter 362 [Air and Water Pollution], Chapter 376 [Odor Control], and JEPB Rule 1. [Final Rules with Respect to Organization, Procedure, and Practice]

12. The facility shall be subject to JEPB Rule 2, Part Nos. I through VII, and Part Nos. IX through XIII.

13. Maximum facility wide emissions shall be limited to 9.0 tons per year for any single Hazardous Air Pollutant (HAP) and to 22.5 tons per year for total HAPs in order to maintain emissions below the major source HAP threshold. All tons per year limits are based on a 12-month rolling average. [Rule 62-212.300(1)(d), FAC, and Rule 2.401, JEPB]

14. The permittee shall submit all compliance related notifications and reports required by this permit to:

Environmental Resource Management Department
Environmental Quality Division
117 West Duval Street, Suite 225
Jacksonville, FL 32202
Telephone: 904/630-4900
Fax: 904/630-3638

15. Unconfined particulate matter emissions from yard operations, open stock piling of materials and/or materials handling operations shall be controlled by using reasonable precautions. Reasonable precautions shall include but not be limited to the following:
    a. Reduced speed for vehicular traffic.
    b. Use of liquid resinous adhesives or other liquid dust suppressants or wetting agents.
    c. Use of paving or other asphaltic materials.
    d. Removal of particulate matter from paved roads and/or other paved areas by vacuum cleaning or otherwise by wetting prior to sweeping.
    e. Covering of trucks, trailers, front end loaders, and other vehicles or containers to prevent spillage of particulate matter during transport.
    f. Use of mulch, hydro seeding, grassing, and/or other vegetative ground cover on barren areas to prevent or reduce particulate matter from being windblown.
    g. Use of hoods, fans, filters, and similar equipment to contain, capture, and vent particulate matter.
    h. Enclosures or covering of conveyor systems.
    [Rule 62-296.320(4)(c)2., FAC, and Rule 2.1001, JEPB]

16. Excess emissions resulting from startup, shutdown, or malfunction of any emission unit shall be permitted, providing (1) best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized but in no case exceed two hours in any 24 hour period, unless specifically authorized by the Department for longer duration. Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction shall be prohibited. In the case of excess emissions resulting from malfunctions, each owner or operator shall notify the Permitting Authority in accordance with Rule 62-4.130, FAC and Rule 2.1301, JEPB. A full written report on the malfunctions shall be submitted to the Permitting Authority in a quarterly report, if requested by the Permitting Authority.
    [Rule 62-210.700, FAC, and Rule 2.201, JEPB]

Section III. Emission Units and Conditions

Emission Unit No. 036 – SIMA Abrasive Blast Booth No. 4, Bldg. 1488

Emission Unit Description:	Innovative Peening Systems abrasive blast booth using aluminum oxide media or other applicable blasting agent as an abrasive material.
Particulate matter control device:	Cartridge Fabric filter

Essential PTE Parameters

1. The estimated maximum abrasive blasting media use is 4270.5 tons per year.
[Rule 62-210.200(210), FAC, and Rule 2.301, JEPB]

2. This EU shall be allowed to operate a maximum of 8760 hours per year.
[Applicant's request, Rule 62-210.200(210), FAC, and Rule 2.301, JEPB]

3. The estimated nominal airflow shall be 15000 dscfm.
[Rule 62-210.200(210), FAC, and Rule 2.301, JEPB]

Emission Limitations and Standards

4. Reasonably Available Control Technology (RACT) requirements including **Specific RACT Emission Limiting Standards for Stationary Emissions Units** [Rule 62-296.700(3), FAC, and Rule 2.1001, JEPB]**; Maximum Allowable Emission Rates** [Rule 62-296.700(4), FAC, and Rule 2.1001, JEPB]; **Circumvention** [Rule 62-296.700(5), FAC, and Rule 2.1001, JEPB], and **Operation and Maintenance Plan** [Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB], shall apply to this emission unit.

5. PM emissions shall be limited to 0.03 gr/dscf [3.86 lbs/hr and 16.89 TPY].
[Rule 62-296.712(2), FAC, and Rule 2.1001, JEPB]

6. VE shall be limited to five (5) percent (%) opacity.
[Rule 62-296.712(2), FAC, and Rule 2.1101, JEPB]

Test Methods and Procedures

7. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 9 (as described in 40 CFR 60, Appendix A) for the visual determination of opacity. The minimum observation time shall be 30 minutes.
[Rule 62-296.712(3)(a), FAC, Rule 62-297.310(4)(a)2., FAC, Rule 2.1001, JEPB, and Rule 2.1101, JEPB]

8. Initial VE testing shall be conducted within 60 days after reaching the maximum rate at which the EU will be operated but no later than 180 days after initial start-up. Initial VE testing shall be conducted for a minimum period of 30 minutes during each PM test run.
[Rule 62-297.310(4)(a) 2., FAC, and Rule 2.1101, JEPB]

9. Testing for demonstration of compliance shall be performed in accordance with EPA Reference Method 5 (as described in 40 CFR 60, Appendix A), for the determination of the PM emission rate. The minimum sample volume shall be 30 dry standard cubic feet.
[Rule 62-296.712(3)(b), FAC, and Rule 2.1001, JEPB]

10. Initial PM testing shall be conducted within 60 days after reaching the maximum rate at which the EU will be operated but no later than 180 days after initial start-up.
[Rule 62-297.310(7)(c), FAC, and Rule 2.1101, JEPB]

Recordkeeping and Reporting Requirements

11. The owner/operator shall submit an Operation and Maintenance Plan with the Title V Air Operating Permit revision application.
[Rule 62-296.700(6), FAC, and Rule 2.1001, JEPB]

12. A Compliance Assurance Monitoring (CAM) determination shall be made after review of stack testing data and any other relevant information available on this emission unit. It is noted that uncontrolled PM emission data may be required to determine CAM applicability. Conduct PM stack testing accordingly.
[40 CFR 64, Rule 62-213.440, FAC, and Rule 2.501, JEPB]

FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to S.120.52(7), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

_____ _____
Clerk Date