FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Northwest District
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Pensacola, Florida 32502-5740

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Sent by Electronic Mail – Received Receipt Requested

PERMITTEE

U.S. Air Force
Tyndall Air Force Base
119 Alabama Avenue, Stop 42
Tyndall Air Force Base, Florida 32403

Authorized Representative:
Lt. Colonel Brian M. Stumpe, USAF

Air Permit No. 0050024-012-AC
Permit Expires: September 25, 2017

Tyndall Air Force Base
Minor Source Air Construction Permit
Addition/Removal of Boilers

This is the final air construction permit, which authorizes the addition of ten boilers with a total capacity of 11.618 MMBtu/hr. The facility will also remove five boilers with a total capacity of 4.282 MMBtu/hr. The proposed work will be conducted at Tyndall Air Force Base, which is an existing synthetic minor facility (Standard Industrial Classification No. 9711, National Security). The facility is located in Bay County, five miles southeast of Panama City, Florida. The UTM coordinates of the existing facility are Zone 16, 635.89 km East, and 3327.25 km North (Latitude: 30° 03’ 21”, Longitude: 85° 35’ 31”). As noted in the Final Determination provided with this final permit, no changes were made to the draft permit.

This final permit is organized by the following sections.

Section 1. General Information

Section 2. Administrative Requirements

Section 3. Emissions Unit Specific Conditions

Section 4. Appendices

Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of Section 4 of this permit.

This air pollution construction permit is issued under the provisions of: Chapter 403 of the Florida Statutes (F.S.) and Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297 of the Florida Administrative Code (F.A.C.). The permittee is authorized to conduct the proposed work in accordance with the conditions of this permit. This project is subject to the general preconstruction review requirements in Rule 62-212.300, F.A.C., and is not subject to the preconstruction review requirements for major stationary sources in Rule 62-212.400, F.A.C., for the Prevention of Significant Deterioration (PSD) of Air Quality.

Upon issuance of this final permit, any party to this order has the right to seek judicial review of it under Section 120.68 of the Florida Statutes by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel (Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000) and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within 30 days after this order is filed with the clerk of the Department.

Executed in Pensacola, Florida

/s/ 9/25/12

Rick Bradburn, Air Program Administrator (Date)

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Permit package (including the Final Determination and Final Permit) was sent by electronic mail (or a link to these documents made available electronically on a publicly accessible server) with received receipt requested before the close of business on September 25, 2012 to the persons listed below.

Lt. Colonel Brian M. Stumpe, Tyndall AFB: brian.stumpe@tyndall.af.mil
Sandra Howard, Tyndall AFB: sandra.howard@tyndall.af.mil
Paul Seavy, P.E.; 3E Consultants Inc.: pseavy@3econsultants.com
Kathleen Forney, EPA Region 4: forney.kathleen@epa.gov
DEP Northwest District Branch Office, Panama City

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated agency clerk, receipt of which is hereby acknowledged.

/s/ 9/25/12

(Clerk) (Date)

FACILITY AND PROJECT DESCRIPTION

Existing Facility

Tyndall Air Force Base is an existing synthetic minor permitted under a Federally Enforceable State Operating Permit (FESOP). Activities and operations consist of aircraft maintenance surface preparation and coating; gas, diesel and jet fuel (JP-8) storage tanks; fuel transfers; jet engine testing; and, fossil fuel boilers.

Facility ID No. 0050024

ID No.	Emissions Unit Description
010	Paint Booths
011	Fuel Fill Stands
013	Jet Engine Testing
015	NSPS Tanks
016	Boilers

{Note: Projects authorized by air construction permits 0050024-009-AC (effective May 10, 2010) and 0050024-011-AC (effective March 19, 2012) have yet to be completed.}

Proposed Project

This project is for the addition of the following ten boilers: 481-1, 481-2, 649-1, 649-2, 659, 817, 1281, 9490, 1214 and 1601; and, for the removal of the following five existing boilers: 1454, 1361-2, 1277-1, 939 and 647.

This project will modify the following emissions unit.

Facility ID No. 0050024

ID No.	Emissions Unit Description
016	Boilers

FACILITY REGULATORY CLASSIFICATION

- The facility is not a major source of hazardous air pollutants (HAP).
- The facility has no units subject to the acid rain provisions of the Clean Air Act (CAA).
- The facility is not a Title V major source of air pollution in accordance with Chapter 213, F.A.C.
- The facility is not a major stationary source in accordance with Rule 62-212.400(PSD), F.A.C.

SECTION 2. ADMINISTRATIVE REQUIREMENTS

1. Permitting Authority: The permitting authority for this project is the Northwest District Air Resource Management Program, Florida Department of Environmental Protection (Department). The District's mailing address is 160 W. Government Street, Suite 308, Pensacola, Florida 32502-5740. All documents related to applications for permits to operate an emissions unit shall be submitted to the District Office.

2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the District Office at the above address or nwdair@dep.state.fl.us.

3. Appendices: The following Appendices are attached as part of this permit:

   a. Appendix A. Citation Formats and Glossary of Common Terms;

   b. Appendix B. General Conditions;

   c. Appendix C. Common Conditions

4. Applicable Regulations, Forms and Application Procedures: Unless otherwise specified in this permit, the construction and operation of the subject emissions units shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403, F.S.; and Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations.

5. Asbestos. This permit does not authorize any demolition or renovation of the facility or its parts or components which involves asbestos removal. This permit does not constitute a waiver of any of the requirements of Chapter 62-257, F.A.C., and 40 CFR 61, Subpart M, National Emission Standard for Asbestos, adopted and incorporated by reference in Rule 62-204.800, F.A.C. Compliance with Chapter 62-257, F.A.C., and 40 CFR 61, Subpart M, Section 61.145, is required for any asbestos demolition or renovation at the source. [40 CFR 61; Rule 62-204.800, F.A.C.; and, Chapter 62-257, F.A.C.]

6. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time. [Rule 62-4.080, F.A.C.]

7. Modifications: The permittee shall notify the Compliance Authority upon commencement of construction. No new emissions unit shall be constructed and no existing emissions unit shall be modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification. [Rules 62-210.300(1) and 62-212.300(1)(a), F.A.C.]

8. Source Obligation:

   (a) At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by virtue of a relaxation in any enforceable limitation which was established after August 7, 1980, on the capacity of the source or modification otherwise to emit a pollutant, such as a restriction on hours of operation, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification.

   (b) At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by exceeding its projected actual emissions, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification.

   [Rule 62-212.400(12), F.A.C.]

A. Boilers

This section of the permit addresses the following emissions unit.

ID No.	Emissions Unit Description
016	Boilers

This existing emissions unit consists of 27 natural gas fueled boilers with maximum heat input rates ranging from 1.0 to 10.5 MMBtu/hr, identified as follows: 1690, 1550, 1465-1, 1465-2, 1454, 1361-2, 1277-1, 1153, 1120, 1117, 950, 939, 659, 647, 561-1, 522, 421-1, *315, 295, 280, 258, 256, 227, 182-1, 182-2, 180-1, 180-2 and one propane-fueled boiler, identified as 3029. This emissions unit is not subject to any unit specific requirements.

This project is for the addition of the following ten boilers and the removal of five existing boilers:

Boiler ID	Capacity (MMBtu/hr)	Manufacture (Model #)
481-1	1.285	Raypak (H91523A)
481-2	1.285	Raypak (H91523A)
649-1	1.178	Raypak (H3-1178)
649-2	1.178	Raypak (H3-1178)
659	1.232	P.V.I. (1250N500A-TP)
817	1.000	Raypak (H4-1001)
1281	1.000	Burnham (PV907WLL)
9490	1.200	Weil McClain (P-978-W)
1214	1.260	Lochinvar (CHN1261)
1601	1.000	LAARS (PW1200IP16k1ARJX)
Total = 11.618 MMBtu/hr		
1454	0.872	Removed
1361-2	0.780	Removed
1277-1	0.850	Removed
939	1.000	Removed
647	0.780	Removed
Total = 4.282 MMBtu/hr (Removed)		

*{*Permit Note: The facility currently has a construction permit (0050024-011-AC) that replaces the 5 MMBtu/hr boiler #315 in Building #315 with three 2 MMBtu/hr boilers, manufactured by Fulton Reliance Series Hydronic, model RLN-2000, to be identified as Boilers 315-1, 315-2 and 315-3.}*

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

1. Previous Permits: This permit supplements all previously issued air construction and operation permits for this emissions unit. Except for the change noted below, the unit remains subject to the conditions of all other legally binding air construction and operating permits. [Rules 62-4.070(3) and 62-210.300(1), F.A.C., Application No. 0050024-012-AC]

2. New Equipment: Except for the change noted below, the new equipment authorized by this permit shall be subject to the same requirements, such as, but not limited to; emissions standards, recordkeeping,

compliance testing and fuels limitations previously established for this emissions unit in all other legally binding air construction and operating permits. [Rules 62-4.070(3) and 62-210.300(1), F.A.C. , Application No. 0050024-012-AC]

EQUIPMENT

3. New Equipment Name: The permittee is authorized to install the following ten boilers: 481-1, 481-2, 649-1, 649-2, 659, 817, 1281, 9490, 1214 and 1601. The permittee is authorized to remove the following five boilers: 1454, 1361-2, 1277-1, 939 and 647. [Application No. 0050024-012-AC]

PERFORMANCE RESTRICTIONS

4. Authorized Fuel: The boilers shall be fueled by natural gas except boiler #9490, which shall be fueled with propane. [Application No. 0050024-012-AC and Rule 62-210.200(PTE), F.A.C.]

RECORDS AND REPORTS

5. Operational Data: Records will be maintained on a quarterly basis of the total quantity of fuel usage for all boilers with a heat input equal to or greater than 1 MMBtu per hour. This information will be the basis for calculating emissions. This information will be available to the Department upon request no later than 40 days from the end of each quarter. Recordkeeping shall recommence at the start of each year. [Rule 62-4.070(3), F.A.C.]