

Check Sheet

Company Name: Naval Training Station
Permit Number: AC48-154732, -154734
PSD Number: _____
Permit Engineer: _____

Application:

- Initial Application
- Incompleteness Letters
- Responses
- Waiver of Department Action
- Department Response
- Other

Cross References:

- AC48-123004
-
-

Intent:

- Intent to Issue
- Notice of Intent to Issue
- Technical Evaluation
- BACT or LAER Determination
- Unsigned Permit
- Correspondence with:
 - EPA
 - Park Services
 - Other
- Proof of Publication
- Petitions - (Related to extensions, hearings, etc.)
- Waiver of Department Action
- Other

Final

Determination:

- ~~Final Determination~~
- ~~Signed Permit~~
- ~~BACT or LAER Determination~~
- Other

Post Permit Correspondence:

- Extensions/Amendments/Modifications
- Other

In the folder labeled as follows there are documents, listed below, which were not reproduced in this electronic file. That folder can be found in one of the file drawers labeled Supplementary Documents Drawer. Folders in that drawer are arranged alphabetically, then by permit number.

Folder Name: Naval Training Center

Permit(s) Numbered:

AC	48	-	154732
AC	48	-	154734

Period during
which document
was received:

Detailed Description

Period during which document was received:	Detailed Description
APPLICATION 14 SEP 1988	1. 36"x24" BLUEPRINT: BARRACKS #316 TITLE AND INDEX SHEET (DRAWING NUMBER: ID-1)
	2. 36"x24" BLUEPRINT: BARRACKS #316 SITE PLAN (DRAWING NUMBER: C-10)
	3. 36"x24" BLUEPRINT: BARRACKS #316 EQUIPMENT SCHEDULES (DRAWING NUMBER: M-3, 515340)
	4. 36"x24" BLUEPRINT: BARRACKS #316 H.V.A.C. -PARTIAL FIRST FLOOR PLAN - NORTH WING (DRAWING NUMBER: M-5, 5153842)
	5. 36"x24" BLUEPRINT: BARRACKS #316 H.V.A.C. -PARTIAL ROOF PLAN- NORTH WING (DRAWING NUMBER: M-13, 5153850)
	6. 36"x24" BLUEPRINT: BARRACKS #316 H.V.A.C. -PARTIAL PLAN- MAIN MECHANICAL EQUIPMENT ROOM (DRAWING NUMBER: M-14, 5153851)
	7. 36"x24" BLUEPRINT: BARRACKS #317 TITLE AND INDEX SHEET (DRAWING NUMBER: ID-1)
	8. 36"x24" BLUEPRINT: BARRACKS #317 SITE PLAN (DRAWING NUMBER: C-10)
	9. 36"x24" BLUEPRINT: BARRACKS #317 EQUIPMENT SCHEDULES (DRAWING NUMBER: M-3, 515340)
	10. 36"x24" BLUEPRINT: BARRACKS #317 H.V.A.C. -PARTIAL FIRST FLOOR PLAN - NORTH WING (DRAWING NUMBER: M-5, 5153842)
	11. 36"x24" BLUEPRINT: BARRACKS #317 H.V.A.C. -PARTIAL ROOF PLAN- NORTH WING (DRAWING NUMBER: M-13, 5153850)
	12. 36"x24" BLUEPRINT: BARRACKS #317 H.V.A.C. -PARTIAL PLAN- MAIN MECHANICAL EQUIPMENT ROOM (DRAWING NUMBER: M-14, 5153851)



Interoffice Memorandum

For Routing To Other Than The Addressee	
To: _____	Location: _____
To: _____	Location: _____
To: _____	Location: _____
From: _____	Date: _____

*Entered on PA 5
4-4-89
PA*

To: Air Quality

From: David M. Beebe, Assistant Chief *DMB*
Bureau of Finance and Accounting

Date: April 4, 1989

Subject: Refund of Fees

*316
317*

Your application for refund for U.S. Navy Southern Division

File# ~~AC-48-1547329~~ _____, is complete.

State of Florida Warrant 4 2019 921, dated 03-28-89 and

in the amount of \$ 100.00, was mailed 03-30-89.

DMB/lis

Refund processed on Agency Voucher C 05455

Fiscal Year 88-89

● **SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
 Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. Show to whom delivered, date, and addressee's address. (Extra charge) 2. Restricted Delivery (Extra charge)

3. Article Addressed to: Commanding Officer CEC, U.S. Navy Naval Training Center Gardenia Street Orlando, FL 32813	4. Article Number P 274 007 555
	Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise
	Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature — Address X	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature — Agent X <i>Jan Thomas</i>	
7. Date of Delivery JAN 23 1989	

PS Form 3811, Mar. 1988 * U.S.G.P.O. 1988-212-865 DOMESTIC RETURN RECEIPT

P 274 007 546
RECEIPT FOR CERTIFIED MAIL
 NO INSURANCE COVERAGE PROVIDED
 NOT FOR INTERNATIONAL MAIL
 (See Reverse)

★ U.S.G.P.O. 1985-480-794

Sent to Capt. Richard M. Rohrbach, C.O.	
Street and No. CEC, U.S. Navy Naval Training Center Gardenia Street Orlando, FL 32813	
Postage	S
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	S
Postmark or Date AC 48-154732 mailed: 12/28/88	

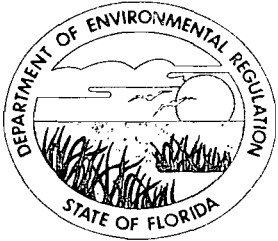
PS Form 3800, June 1985

P 274 007 555
RECEIPT FOR CERTIFIED MAIL
 NO INSURANCE COVERAGE PROVIDED
 NOT FOR INTERNATIONAL MAIL
 (See Reverse)

★ U.S.G.P.O. 1985-480-794

Sent to Commanding Officer, CEC, USN	
Street and No. NTC, Gardenia St.	
P.O., State and ZIP Code Orlando, FL 32813	
Postage	S
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	S
Postmark or Date Mailed: 1-19-89 Permit: AC 48-154732	

PS Form 3800, June 1985



Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION NOTICE OF PERMIT

Capt. Richard M. Rohrbach
Commanding Officer
CEC, U.S. Navy
Naval Training Center
Gardenia Street
Orlando, Florida 32813

December 28, 1988

Enclosed is a permit No. AC 48-154732 for the Naval Training Center to construct/install a hot water boiler in Building 316 and one in Building 317 at the Naval Training Center in Orlando, Orange County, Florida. This permit is issued pursuant to Section 403, Florida Statutes.

Any party to this permit has the right to seek judicial review of this permit pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; 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 of Appeal must be filed within 30 days from the date this permit is filed with the Clerk of the Department.

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

for John C. Brown Jr.
C. H. Fancy, P.E.
Deputy Chief
Bureau of Air Quality
Management

Copy furnished to:

- C. Collins, CF District
- D. Nester, OCEPD
- G. C. Bradley, P.E., SD-NFEC

Reading File }
Bruce Mitchell } 12.28.88 RAN

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this NOTICE OF PERMIT and all copies were mailed before the close of business on 12/28/88.

FILING AND ACKNOWLEDGEMENT
FILED, on this date, pursuant to
§120.52(9), Florida Statutes, with
the designated Department Clerk,
receipt of which is hereby
acknowledged.

Gaye Flood
Clerk

12/28/88
Date

Final Determination

Naval Training Center
Orange County
Orlando, Florida

Construction Permit Number: AC 48-154732

Florida Department of Environmental Regulation
Division of Air Resources Management
Bureau of Air Quality Management
Central Air Permitting

December 16, 1988

Final Determination

The construction permit application has been reviewed by the Department. Public Notice of the Department's Intent to Issue was published in The Orlando Sentinel on November 30, 1988. The Technical Evaluation and Preliminary Determination were available for public inspection at the DER's Central Florida District and Bureau of Air Quality Management offices.

There were no comments received on the proposed action. Therefore, it is recommended that the proposed construction permit be issued as drafted.



Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

PERMITTEE:
Naval Training Center
Gardenia Street
Orlando, Florida 32813

Permit Number: AC 48-154732
Expiration Date: July 31, 1991
County: Orange
Latitude/Longitude: 28° 33' 44"N
81° 19' 47"W
Project: Buildings 316 and 317
Hot Water Boilers

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code (F.A.C.) Rules 17-2 and 17-4. 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 Department and made a part hereof and specifically described as follows:

To construct/install a hot water boiler for Building 316 and one for Building 317. Each boiler is rated for a maximum 2.5 MMBtu/hr heat input using natural gas exclusively as the fuel. The sources are to be installed at the permittee's existing facility. The UTM coordinates are Zone 17, 468.0 km East and 3160.1 km North.

The Source Classification Codes are:

o External Combustion Boilers - Commercial/Institutional
1-03-006-03 (<10 MMBtu/hr) 10⁶ ft³ burned

Construction shall be in accordance with the permit applications and plans, documents, and reference material submitted unless otherwise stated in the General and Specific Conditions herein.

Attachments to be Incorporated:

1. Application to Construct Air Pollution Sources, DER Form 17-1.202(1), and Captain Richard M. Rohrbach's cover letter dated September 8, 1988, and received by the DER's Central Florida District on September 14, 1988.
2. Technical Evaluation and Preliminary Determination dated October 28, 1988.

PERMITTEE:
Naval Training Center

Permit Number: AC 48-154732
Expiration Date: July 31, 1991

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.

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 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, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, 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.

PERMITTEE:
Naval Training Center

Permit Number: AC 48-154732
Expiration Date: July 31, 1991

GENERAL CONDITIONS:

6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or 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, 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 the 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 notify and provide the Department with the following information:

- a. a description of and cause of non-compliance; 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 recurrence of the noncompliance.

PERMITTEE:
Naval Training Center

Permit Number: AC 48-154732
Expiration Date: July 31, 1991

GENERAL CONDITIONS:

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 arising under the Florida Statutes or Department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

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 17-4.12 and 17-30.30, 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. This permit also constitutes:

- () Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD)
- () Compliance with New Source Performance Standards

14. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans required under Department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the Department, during the course of any unresolved enforcement action.

PERMITTEE:
Naval Training Center

Permit Number: AC 48-154732
Expiration Date: July 31, 1991

GENERAL CONDITIONS:

- b. The permittee shall retain 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), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be 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 measurements;
 - the person responsible for performing the sampling or measurements;
 - 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.

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 submitted or corrected promptly.

SPECIFIC CONDITIONS:

1. Annual operation is authorized for up to 8760 hours per year.
2. The maximum heat input shall not exceed 2.5 MMBtu/hr/boiler.
3. Natural gas is the only fuel permitted to be fired.
4. Objectionable odors shall not be allowed off the property in accordance with F.A.C. Rule 17-2.620(2).

PERMITTEE:
Naval Training Center

Permit Number: AC 48-154732
Expiration Date: July 31, 1991

SPECIFIC CONDITIONS:

5. Pursuant to F.A.C. Rule 17-2.600(6), visible emissions shall not exceed 20% opacity. A density of 40% opacity is permitted for not more than two minutes in any one hour. Initial and annual compliance verification shall be demonstrated using EPA Reference Method 9 pursuant to F.A.C. Rule 17-2.700, with the source operating at 90-100% of the rated capacity (maximum heat input).

6. The Orange County Environmental Protection Department (OCEPD) shall be notified in writing at least 15 days prior to compliance testing. The test report shall be filed with the OCEPD no later than 45 days after the last test is completed.

7. Each calendar year on or before March 1, submit to the OCEPD an Annual Operations Report using DER Form 17-1.202(6) for the preceding calendar year in accordance with F.A.C. Rule 17-4.140.

8. The project shall comply with all applicable provisions of F.A.C. Rules 17-2 and 17-4.

9. Each boiler is subject to the provisions of F.A.C. Rules 17-2.250: Excess Emissions; and, 17-4.130: Plant Operation-Problems.

10. Any change in the method of operation, fuel changes, equipment, or operating hours pursuant to F.A.C. Rule 17-2.100(119), Modification, shall be submitted for approval to the Department's Bureau of Air Quality Management (BAQM) and Central Florida District.

11. The permittee may request that this construction permit be extended. Such a request shall be submitted to the BAQM prior to sixty days before the expiration of the permit (F.A.C. Rule 17-4.090).

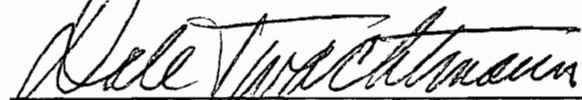
12. An application for an operation permit must be submitted the Department's Central Florida District at least 90 days prior to the expiration date of this construction permit. To properly apply for an operation permit, the applicant shall submit an application, the appropriate fee, certification that construction was completed noting any deviations from the conditions in the construction permit, and compliance test results as required by this permit (F.A.C. Rule 17-4.220).

PERMITTEE:
Naval Training Center

Permit Number: AC 48-154732
Expiration Date: July 31, 1991

Issued this 22 day of Dec,
1988

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


Dale Twachtmann, Secretary



State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

For Routing To Other Than The Addressee	
To: _____	Location: _____
To: _____	Location: _____
To: _____	Location: _____
From: _____	Date: _____

Interoffice Memorandum

TO: Dale Twachtmann
FROM: Steve Smallwood *JS*
SUBJ: Approval of Construction Permit No. AC 48-154732
Naval Training Center
DATE: December 20, 1988

Attached for your approval and signature is a permit prepared by Central Air Permitting for the above mentioned company to construct/install a hot water boiler in Building 316 and one in Building 317 at its existing facility in Orlando, Orange County, Florida. Each boiler is rated at a maximum of 2.5 MMBtu/hr heat input and to be fired exclusively on natural gas.

Comments were not received during the public notice period.

Day 90, after which this permit will be issued by default, is February 4, 1989.

I recommend your approval and signature.

SS/aqm/bm

attachments



State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

For Routing To Other Than The Addressee	
To: _____	Location: _____
To: _____	Location: _____
To: _____	Location: _____
From: _____	Date: _____

Interoffice Memorandum

TO: Dale Twachtmann
 FROM: Steve Smallwood
 SUBJ: Approval of Construction Permit No. AC 48-154732
 Naval Training Center
 DATE: December 19, 1988

Attached for your approval and signature is a permit prepared by Central Air Permitting for the above mentioned company to construct/install a hot water boiler in Building 316 and one in Building 317 at its existing facility in Orlando, Orange County, Florida. Each boiler is rated at a maximum of 2.5 MMBtu/hr heat input and to be fired exclusively on natural gas.

Comments were not received during the public notice period.

Day 90, after which this permit will be issued by default, is February 4, 1989.

I recommend your approval and signature.

SS/aqm/bm
 attachments

if so, could we use the 17-4 Insufficient source exemption?

*OHF/WAT -
 Permit these exempt from getting a permit?*

See 17-2.210(3)(a)

12-20-88

are there other gas fired boilers at the base that puts the total over 30 MMBtu/hr?

Steve,

Why is the percent
not sealed?

There are a number of other
similar units at the base
($\approx 200 \times 10^6$ ~~bits~~) so we can't exempt.
That was my idea, too, at first
but no way, we must permit.
BT ok ~~for~~

DEPARTMENT OF ENVIRONMENTAL REGULATION

2800 BLAIR STONE ROAD

TWIN TOWERS OFFICE BUILDING

TALLAHASSEE, FLORIDA 32399-2400

(651) 622-1333

FL 32399-2400
6516221333

ADDRESSEE UNKNOWN

Fold at line over top of envelope to the right
of the return address

CERTIFIED

P 274 007 546

MAIL

Capt. Richard M. Rohrbach
Commanding Officer
CEC, U.S. Navy
Naval Training Center
Gardenia Street
Orlando, Florida 32813

UNKNOWN
AT COUNTY

ADDRESSEE UNKNOWN

MOVED. LEFT NO
FORWARDING ADDRESS.

PM
12-1-88
Orlando, FL

BEST AVAILABLE COPY

The Orlando Sentinel

Published Daily
Orlando, Orange County, Florida

RECEIVED

DEC 6 1988

ADVERTISING CHARGE \$107.13

State of Florida) ss.
COUNTY OF ORANGE

DER - BAQM

Before the undersigned authority personally appeared _____
Tuesday C. Leavitt, who on oath says that
she is the Legal Advertising Representative of the Orlando Sentinel, a Daily newspaper
published at Orlando, in Orange County, Florida; that the attached copy of ad-
vertisement, being a Notice of Intent in the matter of
permit to the Naval Training Center
_____ in the _____ Court,
was published in said newspaper in the issues of _____
November 30, 1988

Affiant further says that the said Orlando Sentinel is a newspaper published at Orlando, in
said Orange County, Florida, and that the said newspaper has heretofore been continuously
published in said Orange County, Florida, each Week Day and has been entered as second-
class mail matter at the post office in Orlando, in said Orange County, Florida for a period of
one year next preceding the first publication of the attached copy of advertisement; and af-
fiant further says that he/she has neither paid nor promised any person, firm or corporation
any discount, rebate, commission or refund for the purpose of securing this advertisement for
publication in the said newspaper.

J. C. [Signature]

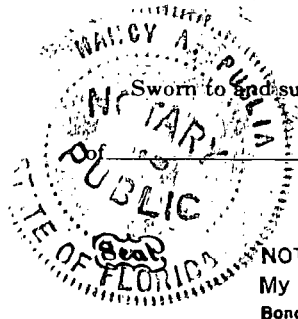
1

Sworn to and subscribed before me this _____ day

December 1988
A.D., 19

Nancy A. Puglia

NOTARY PUBLIC, State of Florida at Large Notary Public
My Commission Expires May 25, 1991
Bonded By AMERICAN PIONEER CASUALTY INS. CO FORM NO. AD-262



State of Florida
Department of
Environmental Regulation
Notice of Intent
The Department of Environ-
mental Regulation hereby gives
notice of its intent to issue a per-
mit to the Naval Training Center
to construct/install a hot water
boiler for Building 316 and one
for Building 317. Each boiler has
a maximum heat input rate of
2.5 MMBtu/hr and to be fired ex-
clusively on natural gas. The
proposed project will occur at
the applicant's existing facility in
Orlando, Orange County, Flor-
ida. The department is issuing
this intent to issue for the rea-
sons stated in the Technical
Evaluation and Preliminary
Determination.
Persons whose substantial in-
terests are affected by the De-
partment's proposed permitting
decision may petition for an ad-
ministrative determination (hear-
ing) in accordance with Section
120.57, Florida Statutes. The pe-
tition must conform to the re-
quirements of Chapters 17-103
and 28-5, Florida Administrative
Code, and must be filed (re-
ceived) in the Department's Of-
fice of General Counsel, 2600
Blair Stone Road, Twin Towers
Office Building, Tallahassee,
Florida 32399-2400, within four-
teen (14) days of publication this
notice. Failure to file a petition
within this time period consti-
tutes a waiver of any right such
person has to an administrative
determination (hearing) under
Section 120.57, Florida Statutes.
If a petition is filed, the admin-
istrative hearing process is de-
signed to formulate agency ac-
tion. Accordingly, the depart-
ment's final action may be differ-
ent from the proposed agency
action. Therefore, persons who
may not wish to file a petition
may wish to intervene in the pro-
ceeding. A petition for interven-
tion must be filed pursuant to
Rule 28-5.207, Florida Adminis-
trative Code, at least five (5)
days before the final hearing
and be filed with the hearing of-
ficer if one has been assigned at
the Division of Administrative
Hearings, Department of Admin-
istration, 2009 Apalachee Park-
way, Tallahassee, Florida
32301. If no hearing officer has
been assigned, the petition is to
be filed with the Department's
Office of General Counsel, 2600
Blair Stone Road, Tallahassee,
Florida 32399-2400. Failure to
petition to intervene within the
allowed time frame constitutes a
waiver of any right such person
has to request a hearing under
Section 120.57, Florida Statutes.
The applications are available
for public inspection during nor-
mal business hours, 8:00 a.m. to
5:00 p.m., Monday through Fri-
day, except legal holidays at:
Dept. of Environmental
Regulation
Bureau of Air Quality
Management
2600 Blair Stone Road
Tallahassee, Florida 32399-2400
Dept. of Environmental
Regulation
Central Florida District
3319 Maquire Blvd., Suite 232
Orlando, Florida 32803-3767
Any person may send written
comments on the proposed ac-
tion to Mr. Bill Thomas at the
Department's Tallahassee ad-
dress. All comments mailed
within 14 days of the publication
of this notice will be considered
in the Department's final
determination.
CL-279 Nov. 30, 1988

The Orlando Sentinel

633 North Orange Avenue
Orlando, Florida 32801-1349



Bill Thomas
DEPARTMENT OF ENVIRONMENTAL REGULATION
2600 Blair Sonte Rd.
Tallahassee, FL 32803-3767

ORDER FOR SUPPLIES OR SERVICES

Form Approved
OMB No. 0704-0187
Expires Jul 31, 1989

PAGE 1 OF 8

1. CONTRACT/PURCH ORDER NO. N62467-89-M-0182	2. DELIVERY ORDER NO.	3. DATE OF ORDER 88NOV22	4. REQUISITION/PURCH REQUEST NO.	5. CERTIFIED FOR NATIONAL DEFENSE UNDER DMS REG 1 DO C9
---	-----------------------	-----------------------------	----------------------------------	--

6. ISSUED BY COMMANDING OFFICER, SOUTHERN DIVISION NAVAL FACILITIES ENGINEERING COMMAND 2155 EAGLE DRIVE, P. O. BOX 10068 CHARLESTON, SC 29411-0068 Audrey Orvin (803) 743-0933	7. ADMINISTERED BY (if other than 6) CONFORMED COPY	8. DELIVERY FOB <input checked="" type="checkbox"/> DBBT <input type="checkbox"/> OTHER (See Schedule if other)
--	---	--

9. CONTRACTOR NAME AND ADDRESS ● ORLANDO SENTINEL 633 North Orange Avenue P. O. Box 2833 Orlando, FL 32802 ● ATTN: Legal Advertising - Tuesday	10. DELIVER TO FOB POINT BY (Date) See Schedule	11. MARK IF BUSINESS IS <input checked="" type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED
--	--	--

14. SHIP TO See Schedule	15. PAYMENT WILL BE MADE BY Disbursing Officer Naval Construction Battalion Center Port Hueneme, CA 93043	MARK ALL PACKAGES AND PAPERS WITH CONTRACT OR ORDER NUMBER
-----------------------------	--	--

16. TYPE OF ORDER DELIVERY PURCHASE <input checked="" type="checkbox"/>	This delivery order is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract Reference your Telephone quote of 21 NOV 88 ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED. SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME
---	--

NAME OF CONTRACTOR	SIGNATURE	TYPED NAME AND TITLE	DATE SIGNED
--------------------	-----------	----------------------	-------------

If this box is marked, supplier must sign Acceptance and return the following number of copies:

17. ACCOUNTING AND APPROPRIATION DATA/LOCAL USE AA 1791205.2593 025 06206/0 062467 2A N65928 0239F8948206	\$89.50
--	---------

18. ITEM NO.	19. SCHEDULE OF SUPPLIES/SERVICE	20. QUANTITY ORDERED/ACCEPTED*	21. UNIT	22. UNIT PRICE	23. AMOUNT
0001	Publish the attached Legal Notice one time only in the classified legal section of the <u>Orlando Sentinel</u> . Affidavits of publication are to be furnished to the following within seven days of publication: (1) Mr. Bill Thomas Florida Department of Environmental Regulation Bureau of Air Quality Management 2600 Blair Stone Road Tallahassee, FL 32803-3767 (2) Address in Block 6 above, ATTN: Code 0213AO			\$89.50	\$89.50

* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and enclose.	24. UNITED STATES OF AMERICA DORIS K. OTT, <i>Doris K. Ott</i> Contract Branch, Contracting Officer	25. TOTAL \$89.50
---	---	----------------------

26. QUANTITY IN COLUMN 20 HAS BEEN <input type="checkbox"/> INSPECTED <input type="checkbox"/> RECEIVED <input type="checkbox"/> ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED DATE _____ SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE _____	27. SHIP NO. <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	28. D.O. VOUCHER NO.	29. DIFFERENCES
36. I certify this account is correct and proper for payment. DATE _____ SIGNATURE AND TITLE OF CERTIFYING OFFICER _____	31. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	32. PAID BY	30. INITIALS
37. RECEIVED AT	38. RECEIVED BY	39. DATE RECEIVED	33. AMOUNT VERIFIED CORRECT FOR
40. TOTAL CONTAINERS	41. S/R ACCOUNT NUMBER	42. S/R VOUCHER NO.	34. CHECK NUMBER
			35. BILL OF LADING NO.

CLAUSES

Incorporation of Clauses and Provisions in Purchase Orders/Request for Quotation (RFQ)

1. Clauses and provisions are hereby incorporated in this solicitation or order, either set forth in full or by reference, with the same force and effect as if set forth in full:

A. FAR 52.252-2, CLAUSES INCORPORATED BY REFERENCE

FAR REF. NO.	CLAUSE TITLE	CLAUSE DATE
52.203-01	OFFICIALS NOT TO BENEFIT	APR 1984
52.203-03	GRATUITIES	APR 1984
52.203-05	COVENANT AGAINST CONTINGENT FEES	APR 1984
52.203-06	RESTRICTIONS ON SUBCONTRACTOR SALES TO THE GOVERNMENT	JUL 1985
52.203-07	ANTI-KICKBACK PROCEDURES	FEB 1987
52.204-02	SECURITY REQUIREMENTS	APR 1984
52.212-08	DEFENSE PRIORITY AND ALLOCATION REQUIREMENTS	MAY 1986
52.217-03	EVALUATION EXCLUSIVE OF OPTIONS	APR 1984
52.219-06	NOTICE OF TOTAL SMALL BUSINESS SET ASIDE	APR 1984
52.219-14	LIMITATIONS ON SUBCONTRACTING	OCT 1987
52.222-03	CONVICT LABOR	APR 1984
52.222-26	EQUAL OPPORTUNITY	APR 1984
52-225-03	BUY AMERICAN ACT SUPPLIES	APR 1988
52.232-01	PAYMENTS	APR 1984
52.232-08	DISCOUNTS FOR PROMPT PAYMENT	JUL 1985
52.232-18	AVAILABILITY OF FUNDS	APR 1984
52.232-25	PROMPT PAYMENT	FEB 1988
52.233-01	DISPUTES - DISPUTES ALTERNATE I	APR 1984
52.233-03	PROTEST AFTER AWARD	JUN 1985
52.243-01	CHANGES - FIXED PRICE ALTERNATE I	AUG 1987
	ALTERNATE II	APR 1984
52.246-04	INSPECTION OF SERVICES - FIXED PRICE	APR 1984
52.249-04	TERMINATION FOR CONVENIENCE	APR 1984
52.249-08	DEFAULT (FIXED PRICE SUPPLY AND SERVICES)	APR 1984
DFAR 52.225-7023	NOTICE OF RESTRICTION ON CONTRACTING WITH TOSHIBA CORPORATION OR KONGSBERG VAPENFABRIKK-OFFERORS REPRESENTATION	MAR 1988
DFAR 52.225-7024	RESTRICTION ON CONTRACTING WITH TOSHIBA CORPORATION OR KONGSBERG VAPENFABRIKK	MAR 1988

B. ORDERS OVER \$2,500

FAR 52.222-36	AFFIRMATIVE ACTION FOR HANDICAPPED WORKERS	APR 1984
DAR 7-1903-41(a)	SERVICE CONTRACT ACT OF 1965, AS AMENDED	JAN 1984

**(m) SERVICE CONTRACT ACT - SUPPLEMENTAL INFORMATION
AND REQUIREMENTS**

Bidders are advised that this procurement is subject to the requirements of the Service Contract Act, as amended by P. L. 92-473 9 October 1972, and attention is invited to the obligations of the Contractor under Section 4.C of the amended Service Contract Act. Any questions regarding the extent of these obligations should be addressed to the Department of Labor.

The Contractor agrees to provide to the Contracting Officer, upon request, a copy of any collective bargaining agreement applicable to employees performing on this contract.

Section 2(a)(5) of the Service Contract Act of 1965, as amended, requires that every contract (and bid specification therefore) subject to the act contain a statement of the rates that would be paid by the Federal agency to the various classes of service employees if 5 U.S.C. 5341 were applicable to them. The required statement follows and is for information only:

a. Fringe Benefits (All Classifications):

(1) Health and insurance - contribution of 5.1% of basic hourly rate.

(2) Retirement - contribution of 7% of basic hourly rate.

(3) Ten (10) paid holidays: New Year's, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Columbus Day, Veterans Day, Thanksgiving Day, Christmas Day, and Martin Luther King's Birthday.

(4) Paid annual leave (vacation): Two (2) hours of annual leave each week for an employee with less than three (3) years service; three (3) hours of annual leave each week for an employee with three (3) but less than fifteen (15) years of service; four (4) hours of annual leave each week for an employee with fifteen (15) or more years of service.

(5) Sick leave: 13 days per year.

b. Basic Hourly Rate by Classification

CLASSIFICATION	BASIC HOURLY RATE
-----	-----
-----	-----
-----	-----

DAR 7-1905 FAIR LABOR STANDARDS ACT AND SERVICE SEP 1979
CONTRACT ACT - PRICE ADJUSTMENT

DAR 7-2003.84 RATES FOR EQUIVALENT FEDERAL HIRES SEP 1979

C. ORDERS OVER \$10,000

FAR 52.219-8 UTILIZATION OF SMALL BUSINESS CONCERNS JUN 1985
AND SMALL DISADVANTAGED BUSINESS CONCERNS

FAR 52.222-21 CERTIFICATION OF NONSEGREGATED APR 1984
FACILITIES

FAR 52.222-23 NOTICE OF REQUIREMENT FOR AFFIRMATIVE APR 1984
ACTION TO ENSURE EQUAL EMPLOYMENT
OPPORTUNITY

FAR 52.222-35 AFFIRMATIVE ACTION FOR SPECIAL DISABLED APR 1984
AND VIETNAM ERA VETERANS

FAR 52.222-37 EMPLOYMENT REPORTS ON SPECIAL DISABLED JAN 1988
VETERANS AND VETERANS OF THE VIETNAM ERA

D. REPRESENTATIONS AND CERTIFICATIONS

FAR 52.222-22 PREVIOUS CONTRACTS AND COMPLIANCE APR 1984
REPORTS
(for quotes \$10,000 or more)

The offeror represents that -

a. It [] has, [] has not participated in a previous contract or subcontract subject either to the Equal Opportunity clause of this solicitation, the clause originally contained in Section 310 of Executive Order No. 10925, or the clause contained in Section 201 of Executive Order No. 11114;

b. It [] has, [] has not, filed all required compliance reports, and

c. Representations indicating submission of required compliance reports, signed by proposed subcontractors, will be obtained before subcontract awards.

FAR 52.222-25 AFFIRMATIVE ACTION COMPLIANCE APR 1984
(for quotes \$10,000 or more)

The offeror represents that (a) it [] has developed and has on file, [] has not developed and does not have on file, at each establishment, affirmative action programs required by the rules and regulations of the Secretary of Labor (41 CFR 60-1 and 60-2), or (b) it [] has not previously had contracts subject to the written affirmative action programs requirement of the rules and regulations of the Secretary of Labor.

The offeror certifies that each end product, except those listed below, is a domestic end product (as defined in the clause entitled "Buy American Act-Supplies"), and that components of unknown origin are considered

to have been mined, produced, or manufactured outside the United States.

Excluded End Products	Country of Origin
-----	-----
-----	-----

DFAR 52.204-7C04

DATA UNIVERSAL NUMBERING SYSTEM (DUNS) NUMBER REPORTING (DEC 1980)

In the block with its name and address, the offeror should supply the Data Universal Numbering System (DUNS) Number applicable to that name and address. The DUNS Number should be preceded by "DUNS:". If the offeror does not have a DUNS Number, it may obtain one from any DUN and Bradstreet branch office. No offeror should delay the submission of its offer pending receipt of its DUNS Number.

The DUNS Contractor established number is _____.

CERTIFICATION OF DEBARMENT/SUSPENSION STATUS

a. The Offeror certifies with its submission of this offer that it [] is, [] is not, suspended, debarred or ineligible from entering into contracts with the Executive Branch of the Federal Government, or in receipt of a notice of proposed debarment from another DOD Agency.

b. The Offeror shall provide immediate notice to the Contracting Officer in the event of being suspended, debarred or declared ineligible by any Department or other Federal Agency, or upon receipt of a notice of proposed debarment from another DOD Agency, prior to award of this contract.

LIMITATIONS ON SUBCONTRACTING (OCT 1987)

In accordance with FAR 52.219-14, Limitations on Subcontracting (Oct 1987), the bidder represents and certifies as part of its bid that at least 50% of the cost of contract performance incurred for personnel _____ shall, _____ shall not, be expended for employees of the concern.

E. TOTAL SMALL BUSINESS SET-ASIDE

(The following applies if the purchase is a total (100%) set-aside for small business)

a. FAR 52.219-6 Notice of Total Small Business Set-Aside (Apr 1984)

b. Restriction: Offers under this procurement are solicited from small business concerns and this procurement is to be awarded to one or more small business concerns. This action is based on the determination by the Contracting Officer, alone or in conjunction with a representative of the Small Business Administration that it is in the interest of maintaining or mobilizing the Nation's full productive capacity, in the interest of the National Defense Program, or in the interest of assuring that a fair proportion of Government procurement is placed with small business concerns. Offers received from firms which are not small business concerns shall be considered nonresponsive and shall be rejected.

c. Definition: A "small business concern" is a concern including its affiliates, which is independently owned and operated, is not dominant in the field of operation in which it is offering on Government contracts, and the average annual receipts of the concern and its affiliates for the preceding three fiscal years do not exceed \$ _____ SIC CODE _____: INDUSTRY, SUBINDUSTRY or CLASS OF PRODUCTS: _____.

2. Availability of Text of Clauses. The complete text of any or all of the above clauses are available upon request.



State of Florida
Department of Environmental Regulation
Notice of Intent

The Department of Environmental Regulation hereby gives notice of its intent to issue a permit to the Naval Training Center to construct/install a hot water boiler for Building 316 and one for Building 317. Each boiler has a maximum heat input rate of 2.5 MMBtu/hr and to be fired exclusively on natural gas. The proposed project will occur at the applicant's existing facility in Orlando, Orange County, Florida. The Department is issuing this Intent to Issue for the reasons stated in the Technical Evaluation and Preliminary Determination.

Persons whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative determination (hearing) in accordance with Section 120.57, Florida Statutes. The petition must conform to the requirements of Chapters 17-103 and 28-5, Florida Administrative Code, and must be filed (received) in the Department's Office of General Counsel, 2600 Blair Stone Road, Twin Towers Office Building, Tallahassee, Florida 32399-2400, within fourteen (14) days of publication of this notice. Failure to file a petition within this time period constitutes a waiver of any right such person has to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the proposed agency action. Therefore, persons who may not wish to file a petition may wish to intervene in the proceeding. A petition for intervention must be filed pursuant to Rule 28-5.207, Florida Administrative Code, at least five (5) days before the final hearing and be filed with the hearing officer if one has been assigned at the Division of Administrative Hearings, Department of Administration, 2009 Apalachee Parkway, Tallahassee, Florida 32301. If no hearing officer has been assigned, the petition is to be filed with the Department's Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Failure to petition to intervene within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, Florida Statutes.



BEST AVAILABLE COPY

The applications are available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:

Dept. of Environmental Regulation
Bureau of Air Quality Management
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Dept. of Environmental Regulation
Central Florida District
3319 Maguire Blvd., Suite 232
Orlando,, Florida 32803-3767

Any person may send written comments on the proposed action to Mr. Bill Thomas at the Department's Tallahassee address. All comments mailed within 14 days of the publication of this notice will be considered in the Department's final determination.

DEPARTMENT OF THE NAVY

**COMMANDING OFFICER, SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
2155 EAGLE DR., P. O. BOX 10068
CHARLESTON, S. C. 29411-0068**

**OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300**

AN EQUAL OPPORTUNITY EMPLOYER

RECEIVED

NOV 30 1988

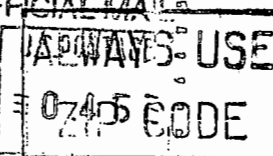
DER-BAQM

Mr. Bill Thomas
Florida Department of Environmental Regulation
Bureau of Air Quality Management
2600 Blair Stone Road
Tallahassee, FL 32802-3767



U.S. OFFICIAL MAIL

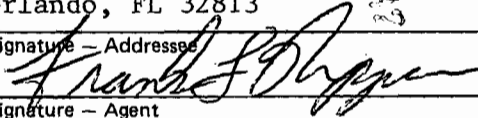
PENALTY
OR
PRIVATE
USE \$300
METER
#090300



BEST AVAILABLE COPY

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
 Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. Show to whom delivered, date, and addressee's address. 2. Restricted Delivery
 ↑(Extra charge)↑ ↑(Extra charge)↑

3. Article Addressed to: Capt. Richard M. Rohrbach Commanding Officer CEC, U.S. Navy Naval Training Center Gardenia St. Orlando, FL 32813	4. Article Number P 274 007 491
	Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail
	Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature - Addressee X 	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent X	
7. Date of Delivery NOV - 1 1988	

PS Form 3811, Mar. 1987

* U.S.G.P.O. 1987-178-268

DOMESTIC RETURN RECEIPT

P 274 007 491
RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

* U.S.G.P.O. 1985-480-794

PS Form 3800, June 1985

Sent to Capt. Richard M. Rohrbach	
Street and No. Naval Training Ctr Gardenia St.	
P.O., State and ZIP Code Orlando, FL 32813	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date Mailed: 10-28-88 Permit: AC 48-154732	



Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

October 28, 1988

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Capt. Richard M. Rohrbach
Commanding Officer
CEC, U.S. Navy
Naval Training Center
Gardenia Street
Orlando, Florida 32813

Dear Capt. Rohrbach:

Attached is one copy of the Technical Evaluation and Preliminary Determination and proposed permit for the Naval Training Center to construct/install a hot water boiler in Building 316 and one in Building 317. Each boiler is rated at a maximum of 2.5 MMBtu/hr heat input and to be fired exclusively on natural gas.

Please submit any written comments you wish to have considered concerning the Department's proposed action to Mr. Bill Thomas of the Bureau of Air Quality Management.

Sincerely,

C. H. Fancy, P.E.
Deputy Chief
Bureau of Air Quality
Management

CHF/

Attachments

cc: C. Collins, Cent. FL Dist
D. Nester, OCEPD
G. C. Bradley, P.E., SD-NFEC

BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

In the Matter of
Applications for Permit by:

Naval Training Center
Gardenia Street
Orlando, Florida 32813

DER File No. AC 48-154732

INTENT TO ISSUE

The Department of Environmental Regulation hereby gives notice of its intent to issue a permit (copy attached) for the proposed project as detailed in the applications specified above. The Department is issuing this Intent to Issue for the reasons stated in the attached Technical Evaluation and Preliminary Determination.

The applicant, the Naval Training Center, applied on September 14, 1988, to the Department of Environmental Regulation for a permit to construct a hot water boiler for Building 316 and one for Building 317. Each boiler has a maximum heat input rate of 2.5 MMBtu/hr and to be fired exclusively on natural gas. The proposed project will occur at the applicant's existing facility located in Orlando, Orange County, Florida.

The Department has permitting jurisdiction under Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Rules 17-2 and 17-4. The project is not exempt from permitting procedures. The Department has determined that an air construction permit was needed for the proposed work.

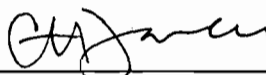
Pursuant to Section 403.815, F.S., and DER Rule 17-103.150, F.A.C., you (the applicant) are required to publish at your own expense the enclosed Notice of Proposed Agency Action on permit applications. The notice must be published one time only in a section of a major local newspaper of general circulation in the county in which the project is located and within thirty (30) days from receipt of this intent. Proof of publication must be provided to the Department within seven days of publication of the notice. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit.

The Department will issue the permit with the attached conditions unless a petition for an administrative proceeding (hearing) is filed pursuant to the provisions of Section 120.57, F.S. A person whose substantial interests are affected by the

Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. Petitions must comply with the requirements of Florida Administrative Code Rules 17-103.155 and 28-5.201 (copy enclosed) and be filed with (received by) the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions filed by the permit applicant must be filed within fourteen (14) days of receipt of this intent. Petitions filed by other persons must be filed within fourteen (14) days of publication of the public notice or within fourteen (14) days of receipt of this intent, whichever first occurs. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes, concerning the subject permit applications. Petitions which are not filed in accordance with the above provisions will be dismissed.

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION



C. H. Fancy, P.E.
Deputy Chief
Bureau of Air Quality
Management

Copies furnished to:

- C. Collins, Cent. FL Dist.
- D. Nester, OCEPD
- G. C. Bradley, P.E., SD-NFEC

RULES OF THE ADMINISTRATIVE COMMISSION
MODEL RULES OF PROCEDURE
CHAPTER 28-5
DECISIONS DETERMINING SUBSTANTIAL INTERESTS

28-5.15 Requests for Formal and Informal Proceedings

- (1) Requests for proceedings shall be made by petition to the agency involved. Each petition shall be printed, typewritten or otherwise duplicated in legible form on white paper of standard legal size. Unless printed, the impression shall be on one side of the paper only and lines shall be double spaced and indented.
- (2) All petitions filed under these rules should contain:
 - (a) The name and address of each agency affected and each agency's file or identification number, if known;
 - (b) The name and address of the petitioner or petitioners;
 - (c) All disputed issues of material fact. If there are none, the petition must so indicate;
 - (d) A concise statement of the ultimate facts alleged, and the rules, regulations and constitutional provisions which entitle the petitioner to relief;
 - (e) A statement summarizing any informal action taken to resolve the issues, and the results of that action;
 - (f) A demand for the relief to which the petitioner deems himself entitled; and
 - (g) Such other information which the petitioner contends is material.

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this NOTICE OF INTENT TO ISSUE and all copies were mailed before the close of business on 10/28/88.

FILING AND ACKNOWLEDGEMENT
FILED, on this date, pursuant to
§120.52(9), Florida Statutes, with
the designated Department Clerk,
receipt of which is hereby
acknowledged.

Judy Rogers
Clerk

10/28/88
Date

State of Florida
Department of Environmental Regulation
Notice of Intent

The Department of Environmental Regulation hereby gives notice of its intent to issue a permit to the Naval Training Center to construct/install a hot water boiler for Building 316 and one for Building 317. Each boiler has a maximum heat input rate of 2.5 MMBtu/hr and to be fired exclusively on natural gas. The proposed project will occur at the applicant's existing facility in Orlando, Orange County, Florida. The Department is issuing this Intent to Issue for the reasons stated in the Technical Evaluation and Preliminary Determination.

Persons whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative determination (hearing) in accordance with Section 120.57, Florida Statutes. The petition must conform to the requirements of Chapters 17-103 and 28-5, Florida Administrative Code, and must be filed (received) in the Department's Office of General Counsel, 2600 Blair Stone Road, Twin Towers Office Building, Tallahassee, Florida 32399-2400, within fourteen (14) days of publication of this notice. Failure to file a petition within this time period constitutes a waiver of any right such person has to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the proposed agency action. Therefore, persons who may not wish to file a petition may wish to intervene in the proceeding. A petition for intervention must be filed pursuant to Rule 28-5.207, Florida Administrative Code, at least five (5) days before the final hearing and be filed with the hearing officer if one has been assigned at the Division of Administrative Hearings, Department of Administration, 2009 Apalachee Parkway, Tallahassee, Florida 32301. If no hearing officer has been assigned, the petition is to be filed with the Department's Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Failure to petition to intervene within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, Florida Statutes.

The applications are available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:

Dept. of Environmental Regulation
Bureau of Air Quality Management
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Dept. of Environmental Regulation
Central Florida District
3319 Maguire Blvd., Suite 232
Orlando, Florida 32803-3767

Any person may send written comments on the proposed action to Mr. Bill Thomas at the Department's Tallahassee address. All comments mailed within 14 days of the publication of this notice will be considered in the Department's final determination.

Technical Evaluation
and
Preliminary Determination

Naval Training Center
Orange County
Orlando, Florida

Construction Permit No. AC 48-154732

Florida Department of Environmental Regulation
Division of Air Resources Management
Bureau of Air Quality Management
Central Air Permitting

October 28, 1988

I. Application

A. Applicant

Naval Training Center
Gardenia Street
Orlando, Florida 32813

B. Project and Location

The applicant proposes to install a hot water boiler for Building 316 and one for Building 317. Each boiler has a maximum heat input rate of 2.5 MMBtu/hr and to be fired exclusively on natural gas. The project will occur at the applicant's existing facility located in Orange County. The UTM coordinates are Zone 17, 468.0 km East and 3160.1 km North.

The Source Classification Codes are:

1. External Combustion Boilers - Commercial/Institutional
o 1-03-006-03 (< 10 MMBtu/hr) 10⁶ ft³ burned

C. Process and Controls

Each hot water boiler (2) will fire exclusively natural gas as a fuel. The maximum heat input will be 2.5 MMBtu/hr. Pollutant emissions will be minimized by the use of natural gas and proper operation of the boilers.

II. Rule Applicability

The project is subject to preconstruction review pursuant to Chapter 403, Florida Statutes, and Florida Administrative Code (F.A.C.) Rules 17-2 and 17-4.

The application package was deemed complete on September 14, 1988.

Orange County is area designated as an air quality maintenance area for ozone pursuant to F.A.C. Rule 17-2.460(1)(b).

The projected potential pollutant emissions are found in the following table in tons per year (TPY):

Table 1

Source	Projected Potential Pollutant Emissions (TPY)				
	PM	SO ₂	NO _x	CO	NMHC
Bldg. 316 Boiler	0.05	0.004	1.0	0.2	0.05
Bldg. 317 Boiler	0.05	0.004	1.0	0.2	0.05
Total	0.1	0.01	2.0	0.4	0.1

- Note:
- o Based on 8760 hours/year operation.
 - o AP-42 Emission factors: Table 1.4-1 - Uncontrolled Emission Factors for Natural Gas Combustion.
 - o Each boiler rated at max. 2.5 MMBtu/hr heat input and 2273 ft³/hr natural gas flow rate.

Since the total potential pollutant emissions are less than the significant emission rates in Table 500-2, F.A.C. Rule 17-2, the sources are not subject to new source review pursuant to F.A.C. Rule 17-2.500, Prevention of Significant Deterioration (PSD). Therefore, the total potential pollutant emissions are subject to review pursuant to F.A.C. Rule 17-2.520, Sources Not Subject to PSD or Nonattainment Requirements.

The amount of PM and SO₂ emissions from the boilers will be limited by the firing of natural gas.

A visible emissions (VE) standard of "not greater than 20% opacity" will be imposed, except a density of "not greater than 40% opacity" for not more than two minutes in any one hour. EPA Reference Method 9 in accordance with F.A.C. Rule 17-2.700 will be required for compliance verification.

III. Summary of Emissions and Air Quality Analysis

A. Emission Limitations

A visible emissions limitation will be imposed on each hot water boiler and follows:

Table 2

Source		Emission Limitations
Bldg. 316 Boiler	VE	Not greater than 20% opacity, except 40% opacity for two minutes in any one hour
Bldg. 317 Boiler	VE	Not greater than 20% opacity, except 40% opacity for two minutes in any one hour

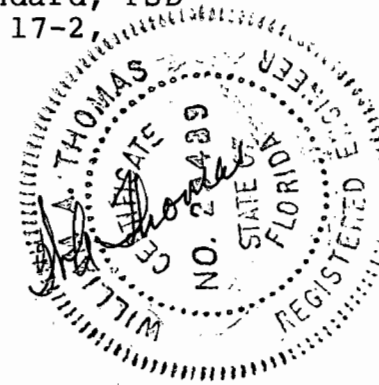
B. Air Quality Analysis

From a review of the application package, an air quality analysis was not required.

VI. Conclusion

The firing of natural gas exclusively and proper operation will minimize pollutant emissions from the boilers. The emission limiting standards are in compliance with F.A.C. Rules 17-2 and 17-4.

Based on the information provided by the Naval Training Center, the Department has reasonable assurance that the proposed new hot water boilers (2), as described in this evaluation, and subject to the conditions proposed herein, will not cause or contribute to a violation of an ambient air quality standard, PSD increment, or any other technical provisions of Chapter 17-2, F.A.C.





Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

PERMITTEE:
Naval Training Center
Gardenia Street
Orlando, Florida 32813

Permit Number: AC 48-154732
Expiration Date: July 31, 1991
County: Orange
Latitude/Longitude: 28° 33' 44"N
81° 19' 47"W
Project: Buildings 316 and 317
Hot Water Boilers

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code (F.A.C.) Rules 17-2 and 17-4. 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 Department and made a part hereof and specifically described as follows:

To construct/install a hot water boiler for Building 316 and one for Building 317. Each boiler is rated for a maximum 2.5 MMBtu/hr heat input using natural gas exclusively as the fuel. The sources are to be installed at the permittee's existing facility. The UTM coordinates are Zone 17, 468.0 km East and 3160.1 km North.

The Source Classification Codes are:

o External Combustion Boilers - Commercial/Institutional
1-03-006-03 (<10 MMBtu/hr) 10⁶ ft³ burned

Construction shall be in accordance with the permit applications and plans, documents, and reference material submitted unless otherwise stated in the General and Specific Conditions herein.

Attachments to be Incorporated:

1. Application to Construct Air Pollution Sources, DER Form 17-1.202(1), and Captain Richard M. Rohrbach's cover letter dated September 8, 1988, and received by the DER's Central Florida District on September 14, 1988.
2. Technical Evaluation and Preliminary Determination dated October 28, 1988.

PERMITTEE:
Naval Training Center

Permit Number: AC 48-154732
Expiration Date: July 31, 1991

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.

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 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, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, 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.

PERMITTEE:
Naval Training Center

Permit Number: AC 48-154732
Expiration Date: July 31, 1991

GENERAL CONDITIONS:

6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or 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, 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 the 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 notify and provide the Department with the following information:

- a. a description of and cause of non-compliance; 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 recurrence of the noncompliance.

PERMITTEE:
Naval Training Center

Permit Number: AC 48-154732
Expiration Date: July 31, 1991

GENERAL CONDITIONS:

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 arising under the Florida Statutes or Department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

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 17-4.12 and 17-30.30, 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. This permit also constitutes:

- () Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD)
- () Compliance with New Source Performance Standards

14. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans required under Department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the Department, during the course of any unresolved enforcement action.

PERMITTEE:
Naval Training Center

Permit Number: AC 48-154732
Expiration Date: July 31, 1991

GENERAL CONDITIONS:

- b. The permittee shall retain 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), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be 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 measurements;
 - the person responsible for performing the sampling or measurements;
 - 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.

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 submitted or corrected promptly.

SPECIFIC CONDITIONS:

1. Annual operation is authorized for up to 8760 hours per year.
2. The maximum heat input shall not exceed 2.5 MMBtu/hr/boiler.
3. Natural gas is the only fuel permitted to be fired.
4. Objectionable odors shall not be allowed off the property in accordance with F.A.C. Rule 17-2.620(2).

PERMITTEE:
Naval Training Center

Permit Number: AC 48-154732
Expiration Date: July 31, 1991

SPECIFIC CONDITIONS:

5. Pursuant to F.A.C. Rule 17-2.600(6), visible emissions shall not exceed a density of Number 1 on the Ringelmann Chart (20% opacity). A density of 40% opacity is permitted for not more than two minutes in any one hour. Initial and annual compliance verification shall be demonstrated using EPA Reference Method 9 pursuant to F.A.C. Rule 17-2.700, with the source operating at 90-100% of the rated capacity (maximum heat input).
6. The Orange County Environmental Protection Department (OCEPD) shall be notified in writing at least 15 days prior to compliance testing. The test report shall be filed with the OCEPD no later than 45 days after the last test is completed.
7. Each calendar year on or before March 1, submit to the OCEPD an Annual Operations Report using DER Form 17-1.202(6) for the preceding calendar year in accordance with F.A.C. Rule 17-4.140.
8. The project shall comply with all applicable provisions of F.A.C. Rules 17-2 and 17-4.
9. Each boiler is subject to the provisions of F.A.C. Rules 17-2.250: Excess Emissions; and, 17-4.130: Plant Operation-Problems.
10. Any change in the method of operation, fuel changes, equipment, or operating hours pursuant to F.A.C. Rule 17-2.100(119), Modification, shall be submitted for approval to the Department's Bureau of Air Quality Management (BAQM) and Central Florida District.
11. The permittee may request that this construction permit be extended. Such a request shall be submitted to the BAQM prior to sixty days before the expiration of the permit (F.A.C. Rule 17-4.090).
12. An application for an operation permit must be submitted the Department's Central Florida District at least 90 days prior to the expiration date of this construction permit. To properly apply for an operation permit, the applicant shall submit an application, the appropriate fee, certification that construction was completed noting any deviations from the conditions in the construction permit, and compliance test results as required by this permit (F.A.C. Rule 17-4.220).

PERMITTEE:
Naval Training Center

Permit Number: AC 48-154732
Expiration Date: July 31, 1991

Issued this _____ day of _____,
1988

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

Dale Twachtmann, Secretary

STATE OF FLORIDA
 DEPARTMENT OF ENVIRONMENTAL REGULATION

CENTRAL FLORIDA DISTRICT

3319 MAGUIRE BOULEVARD
 SUITE 232
 ORLANDO, FLORIDA 32803-3767



BOB MARTINEZ
 GOVERNOR
 DALE TWACHTMANN
 SECRETARY
 ALEX ALEXANDER
 DISTRICT MANAGER

Permittee:
 Naval Training Center
 Orlando, Florida 32813

Attention: J. L. Vernon, CDR,
 CEC, USN, Public Works Officer

I. D. Number:
 Permit/Certification
 Number: AO48-123804
 Date of Issue: 4/15/87
 Expiration Date: 11/17/91
 County: Orange
 Latitude/Longitude:
 28°34'00"N/81°20'00"W
 UTM: 17-468 KmE
 UTM: 3160 KmN
 Project: Table A and B Boilers

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-2. 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 department and made a part hereof and specifically described as follows:

The permittee can operate Table A and B Boilers as follows:

The boilers in Table A below shall be fired with No. 2 Fuel Oil and Natural Gas only.

TABLE A

Boiler Number	Building Number	Boiler Manufacturer	Permitted Input Rate (MMBTU/hr)	Annual Test Date
1)	#1	Yorke Shipley	2.1	Dec. 15
2)	#1	Superior	1.4	Dec. 15
3)	#1	Cleaver Brooks	1.2	Dec. 15
4)	#1	Cleaver Brooks	2.1	Dec. 15
5)	#1	Superior	5.2 -	Dec. 15
6)	#1	Superior	5.2 -	Dec. 15
7)	#2	Superior	5.2 -	Dec. 15
8)	#1	Superior	5.2 -	Dec. 15
9)	#2	Superior	5.2 -	Dec. 15
10)	#1	Superior	5.2 -	Dec. 15
11)	#2	Superior	5.2 -	Dec. 15

TABLE A

Boiler Number	Building Number	Boiler Manufacturer	Permitted Input Rate (MMBTU/hr)	Annual Test Date	
12)	#1	220	Yorke Shipley	5.2✓	Dec. 15
13)	#2	220	York Shipley	5.2-	Dec. 15
14)	#1	222	Superior	5.2-	Dec. 15
15)	#2	222	Superior	5.2-	Dec. 15
16)	#1	224	Superior	5.2-	Jan. 15
17)	#2	224	Superior	5.2-	Dec. 15
18)	#1	226	Superior	5.2-	Jan. 15
19)	#2	226	Superior	5.2-	Jan. 15
20)	#1	228	Superior	5.2-	Jan. 15
21)	#2	228	Superior	5.2-	Jan. 15
22)	#1	230-A	York Shipley	3.0-	Jan. 15
23)	#1	230-B	Superior	1.4	Jan. 15
24)	#1	232	Superior	5.2	Jan. 15
25)	#2	232	Superior	5.2	Jan. 15
26)	#1	234	Superior	5.2	Jan. 15
27)	#2	234	Superior	5.2	Jan. 15
28)	#1	235	Williams & Davis	2.5	Jan. 15
29)	#1	238	York Shipley	2.8	Jan. 15
30)	#1	240	Superior	2.5	Jan. 15
31)	#1	246	Kewanee	1.7	Jan. 15
32)	#2	246	Kewanee	1.7	Jan. 15
33)	#3	246	Kewanee	1.7	Jan. 15
34)	#1	250	Superior	1.1	Jan. 15
35)	#1	252	Yorke Shipley	1.3	Jan. 15
36)	#1	304	Cleaver Brooks	2.9	Jan. 15
37)	#1	351	York Shipley	2.0	Feb. 15
38)	#1	356	Superior	1.3	Feb. 15
39)	#1	358	Yorke Shipley	1.7	Feb. 15
40)	#2	358	York Shipley	1.7	Feb. 15
41)	#1	361	York Shipley	1.0	Feb. 15
42)	#2	361	York Shipley	1.0	Feb. 15
43)	#1	363	York Shipley	1.0	Feb. 15
44)	#2	363	York Shipley	1.0	Feb. 15
45)	#1	364	York Shipley	1.0	Feb. 15
46)	#2	364	York Shipley	1.0	Feb. 15
47)	#1	366	York Shipley	1.0	Feb. 15
48)	#2	366	York Shipley	1.0	Feb. 15
49)	#1	369	York Shipley	1.0	Feb. 15
50)	#2	369	York Shipley	1.0	Feb. 15
51)	#2	370	York Shipley	1.0	Feb. 15
52)	#2	370	York Shipley	1.0	Feb. 15
53)	#1	375	Superior	2.0	Feb. 15
54)	#2	375	Superior	2.0	Feb. 15
62)	#1	354	Cleaver Brooks	1.0	Mar. 15

The boilers in Table B below shall be fired with No. 2 Fuel Oil only.

TABLE B

Boiler Number	Building Number	Boiler Manufacturer	Permitted Input Rate (MMBTU/hr)	Annual Test Date	
55)	#1	2011	Kewanee	1.6	Feb. 15
56)	#1	2040	Continental	1.5	Feb. 15
57)	#1	2089	Kewanee	2.0	Feb. 15
58)	#1	2093	Weil McLain	1.5	Mar. 15
59)	#1	2434	Erie City	2.0	Mar. 15
60)	#1	2510	Bryan	2.7	Mar. 15
61)	#1	2516	Erie City	1.5	Mar. 15

175.1 + 106 Btu/hr HI (HI)

These Boilers are located within the specified buildings at the Naval Training Center, Orlando, Orange County, Florida.

272.5

*175.1
24.5
249.6 x 106 Btu/hr
HI (Total for 1, 2)*

General Conditions are attached to be distributed to the permittee only.

PERMITTEE:
Naval Training Center

Attention: J. L. Vernon, CDR,
CEC, USN, Public Works Officer

I. D. Number:
Permit/Certification Number:
AO48-123804
Date of Issue: 7/15/87
Expiration Date: 11/17/91

SPECIFIC CONDITIONS:

1. No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor pursuant to Rule 17-2.620(2) F.A.C. Objectionable odor is defined as 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 pursuant to Rule 17-2.100(130) F.A.C. Odor is defined as a sensation resulting from stimulation of the human olfactory organ pursuant to Rule 17-2.100(132) F.A.C.
2. There shall be no discharges of liquid effluents or contaminated runoff to surface or groundwater without prior approval from this office.
3. All unconfined emissions of particulate matter generated at this site shall be adequately controlled (Rule 17-2.610(3), F.A.C.). Area must be watered down should unconfined emissions occur.
4. This permit does not preclude compliance with any applicable local permitting requirements and regulations.
5. The permitted heat input rates and fuels are as specified on Permit Page No. 1A through 1C.
6. The emission limitation for these boilers is set forth in Rule 17-2.600(6), F.A.C., and the compliance test must be conducted in accordance with DER Method #9 (Rule 17-2.700(6)(a)9. F.A.C.) yearly on the dates specified on Permit Page No. 1A through 1C beginning with December 15, 1986.
7. Boilers listed on Pages 1A and 1B in Table A can be tested on gas, if oil has not been used as the fuel for 1 year and it is not expected to be used during the next 12 months. A letter must be sent to this office within 30 days after the end of each calendar year stating the above limitation for the waiver.
8. Orange County Environmental Protection Department shall be notified at least fifteen (15) days in advance of the compliance tests so that they can be witnessed.

BEST AVAILABLE COPY

PERMITTEE:
Naval Training Center

I. D. Number:
Permit/Certification Number:
AO48-123804
Date of Issue: 4/15/87
Expiration Date: 11/17/91

Attention: J. L. Vernon, CDR,
CEC, USN, Public Works Officer

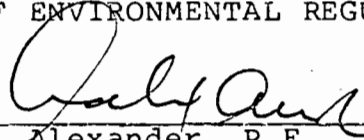
SPECIFIC CONDITIONS:

9. This plant is required to operate within 10 percent of permitted capacity during the compliance tests.
10. The type of fuel and the heat input to this source must be entered on the visible emission test report.
11. All visible emission testing must be in accordance with DER Method 9 (Rule 17-2.700(1)(d)1.b, F.A.C.).
12. The required test report shall be filed with Orange County Environmental Protection Department as soon as practical but no later than 45 days after the last test is completed.
13. Each calendar year on or before March 1, submit for this facility, an Annual Operations Report DER Form 17-1.202(6) for the preceding calendar year in accordance with Rule 17-4.14, F.A.C.
14. An operation permit renewal must be submitted at least 60 days prior to the expiration date of this permit (Rule 17-4.09, F.A.C.).

APR 15 1987

ISSUED _____

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

cmc 
A. Alexander, P.E.
District Manager
3319 Maguire Boulevard
Suite 232
Orlando, Florida 32803
(305) 894-7555

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

CENTRAL FLORIDA DISTRICT

3319 MAGUIRE BOULEVARD
SUITE 232
ORLANDO, FLORIDA 32803-3767BOB MARTINEZ
GOVERNOR
DALE TWACHTMANN
SECRETARY
ALEX ALEXANDER
DISTRICT MANAGER

July 10, 1987

Naval Training Center
Orlando, Florida 32813Attention: J. L. Vernon, CDR, CEC,
USN, Public Works OfficerOrange County - AP
Table A and B Boilers
Permit Number AO48-123804
Modification of Conditions

Dear Mr. Vernon:

We are in receipt of your request for modification of the permit conditions. The conditions are changed as follows:

<u>CONDITION</u>	<u>FROM</u>	<u>TO</u>
Permit Page No. 1B and 1C	Add	See chart below

TABLE A

Boiler Number	Building Number	Boiler Manufacturer	Permitted Input Rate (MMBTU/hr)	Annual Test Date
63) #1	216	Superior	8.6	Mar. 15
64) #2	216	Superior	8.6	Mar. 15
65) #1	218	Superior	8.6	Mar. 15
66) #2	218	Superior	8.6	Mar. 15
67) #1	352	Mohawk	11.0	Mar. 15
68) #2	352	Mohawk	11.0	Mar. 15
69) #1	354	Cleaver-Brooks	1.0	Mar. 15
70) #1	384	Cleaver-Brooks	1.2	Mar. 15
71) #1	502	Cleaver-Brooks	6.7	Mar. 15
72) #2	502	Cleaver-Brooks	6.7	Mar. 15

J. L. Vernon
Page Two
July 10, 1987

TABLE B

Boiler Number	Building Number	Boiler Manufacturer	Permitted Input Rate (MMBTU/hr)	Annual Test Date
73) #1	310	Cleaver-Brooks	2.5	Mar. 15

All other conditions remain the same

74.5 x 10⁶ Btu/hr HI (#1)

This letter must be attached to permit AO48-123804 and becomes a part of that permit.

Sincerely,

[Handwritten Signature]
 A. Alexander, P.E.
 District Manager

AA/ats/jtc

cc: John Bateman

DEPARTMENT OF ENVIRONMENTAL REGULATION

ROUTING AND TRANSMITTAL SLIP

ACTION NO

ACTION DUE DATE

1. TO: (NAME, OFFICE, LOCATION)

~~Bruce Mitchell~~ Bill Thomas

Initial

Date

2.

Bureau of Air Quality Manag.

Initial

Date

3.

Initial

Date

4.

Initial

Date

REMARKS:

FYI

RECEIVED

OCT 11 1988

DER-BAQ.

INFORMATION

Review & Return

Review & File

Initial & Forward

DISPOSITION

Review & Respond

Prepare Response

For My Signature

For Your Signature

Let's Discuss

Set Up Meeting

Investigate & Report

Initial & Forward

Distribute

Concurrence

For Processing

Initial & Return

FROM:

John Turner

DATE

10/10/88

PHONE

SC 325-1202



DEPARTMENT OF THE NAVY

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

2155 EAGLE DR., P. O. BOX 10068

CHARLESTON, S. C. 29411-0068

PLEASE ADDRESS REPLY TO THE
COMMANDING OFFICER, NOT TO
THE SIGNER OF THIS LETTER.
REFER TO:

5090
Code 1141/P1

08 SEP 1988

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. A. Alexander
Florida Department of Environmental Regulation
St. Johns River District
3319 Maguire Boulevard
Suite 232
Orlando, FL 32803



Subj: BARRACKS, BUILDINGS 316 AND 317, NAVAL TRAINING CENTER, ORLANDO, FL

Dear Mr. Alexander:

Enclosed are our applications with supporting information for the construction of a hot water boiler associated with each of the subject buildings. The \$100.00 application fee for each source has also been enclosed.

Should you have any questions regarding this application, please contact Mr. James Santarone at (803) 743-0691.

Sincerely,

RICHARD M. ROHRBACH
Captain, CEC, U.S. Navy
Commanding Officer

Encl:

- (1) Application to Construct Air Pollution Sources
- (2) Emission Calculations
- (3) Location and Vicinity Maps
- (4) One Set of Plans (Sheets ID-1, C-10, M-3, M-5, M-13, M-14)
- (5) One Set of Specifications (Section 15556)
- (6) \$100.00 Application Fee

DEPARTMENT OF ENVIRONMENTAL REGULATION

**ROUTING AND
TRANSMITTAL SLIP**

ACTION NO

ACTION DUE DATE

1. TO: (NAME, OFFICE, LOCATION)

Bill Thomas

Initial

Date

2.

Bureau of Air Quality Manag -

Initial

Date

3.

Initial

Date

4.

Initial

Date

REMARKS:

2 Boilers

RECEIVED
SEP 16 1988
DER-BAQM

INFORMATION

Review & Return

Review & File

Initial & Forward

DISPOSITION

Review & Respond

Prepare Response

For My Signature

For Your Signature

Let's Discuss

Set Up Meeting

Investigate & Report

Initial & Forward

Distribute

Concurrence

For Processing

Initial & Return

FROM:

John Turner

DATE

9/15/88

PHONE

SC 325-1202

DEPARTMENT OF ENVIRONMENTAL REGULATION

RC# 126583 #100.00



BOB GRAHAM GOVERNOR

VICTORIA J. TSCHINKEL SECRETARY

PHILIP R. EDWARDS DISTRICT MANAGER

SOUTH FLORIDA DISTRICT

2269 BAY STREET FORT MYERS, FLORIDA 33901

P A I 100 SEP 14 1988

CENTRAL FLORIDA DISTRICT



APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE: Hot Water Boiler [X] New [] Existing

APPLICATION TYPE: [X] Construction [] Operation [] Modification

COMPANY NAME: Naval Training Center, Orlando COUNTY: Orange

Identify the specific emission point source(s) addressed in this application (i.e. Lime

Kiln No. 4 with Venturi Scrubber; Peaking Unit No. 2, Gas Fired) Boiler Bldg. 317

SOURCE LOCATION: Street Hibiscus Street, Naval Training Center City Orlando

UTM: East North Latitude 28 ° 33 ' 44 "N Longitude 81 ° 19 ' 47 "W

APPLICANT NAME AND TITLE: Commanding Officer

APPLICANT ADDRESS: Naval Training Center, Orlando, Florida

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

A. APPLICANT

I am the undersigned owner or authorized representative* of NTC Orlando

I certify that the statements made in this application for a Construction permit are true, correct and complete to the best of my knowledge and belief. Further I agree to maintain and operate the pollution control source and pollution control facilities in such a manner as to comply with the provision of Chapter 403, Florida Statutes, and all the rules and regulations of the department and revisions thereof. I also understand that a permit, if granted by the department, will be non-transferable and I will promptly notify the department upon sale or legal transfer of the permitted establishment.

*Attach letter of authorization

Signed: Richard M. Rohrbach Captain, CEC, U.S. Navy Commanding Officer

Date: 9-8-88 Telephone No. 743-0700

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

1 See Florida Administrative Code Rule 17-2.100(57) and (104)



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 _____

G. C. Bradley

G. C. BRADLEY

Name (Please Type)

Southern Division, Naval Facilities Engineering Command

Company Name (Please Type)

P. O. Box 10068, Charleston, SC 29411

Mailing Address (Please Type)

Florida Registration No. 8954 Date: 2 September 1988 Telephone No. (803) 743-0582

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.

Project to install a 2.5 MMBTU/HR boiler with natural gas as the fuel source.

This facility will result in full compliance.

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

Start of Construction 1 January 1989 Completion of Construction 1 July 1991

- 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.)

N/A

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

N/A



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

F. 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
 - 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)
requirement 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

- H. Do "Reasonably Available Control Technology" (RACT) requirements apply
to this source? No
- a. If yes, for what pollutants? _____
 - b. If yes, in addition to the information required in this form,
any information requested in Rule 17-2.650 must be submitted.

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



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

A. Raw Materials and Chemicals Used in your Process, if applicable: **N/A**

Description	Contaminants		Utilization Rate - lbs/hr	Relate to Flow Diagram
	Type	% Wt		

B. Process Rate, if applicable: (See Section V, Item 1) **N/A**

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

2. Product Weight (lbs/hr): _____

C. Airborne Contaminants Emitted: (Information in this table must be submitted for each emission point, use additional sheets as necessary)

Name of Contaminant	Emission ¹		Allowed Emission Rate per Rule 17-2	Allowable ³ Emission lbs/hr	Potential ⁴ Emission		Relate to Flow Diagram
	Maximum lbs/hr	Actual T/yr			lbs/yr	T/yr	
Particulate	.011	.048	CH17-2.610	Latest Tech.	.011	.048	N/A
SO ₂	.001	.004	CH17-2.610	" "	.001	.004	N/A
NO ₂	.227	.994	CH17-2.610	" "	.227	.994	N/A
CO	.046	.202	CH17-2.610	" "	.046	.202	N/A
THC Nonmethane	.012	.053	CH17-2.610	" "	.012	.053	N/A
THC Methane	.006	.026	CH17-2.610	" "	.006	.026	N/A

¹See Section V, Item 2.

²Reference applicable emission standards and units (e.g. Rule 17-2.600(5)(b)2. Table II, C. (1) - 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).



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

Name and Type (Model & Serial No.)	Contaminant	Efficiency	Range of Particles Size Collected (in microns) (If applicable)	Basis for Efficiency (Section V Item 5)
None				

E. Fuels

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	avg/hr	max./hr	
Natural Gas	.0023 MMCF/HR	.0023 MMCF/HR	2.5

*Units: Natural Gas--MMCF/hr; Fuel Oils--gallons/hr; Coal, wood, refuse, other--lbs/hr.

Fuel Analysis: Natural Gas

Percent Sulfur: None Percent Ash: None

Density: N/A lbs/gal Typical Percent Nitrogen: 5.15

Heat Capacity: 1100 BTU/CF N/A BTU/gal

Other Fuel Contaminants (which may cause air pollution): N/A

F. If applicable, indicate the percent of fuel used for space heating.

Annual Average 100% Maximum _____

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

None



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

Stack Height: 83 ft. Stack Diameter: 0.833 ft.

Gas Flow Rate: 846 ACFM 434 DSCFM Gas Exit Temperature: 400 °F.

Water Vapor Content: 5 % Velocity: 25.9 FPS

SECTION IV: INCINERATOR INFORMATION N/A

Type of Waste	Type 0 (Plastics)	Type I (Rubbish)	Type II (Refuse)	Type III (Garbage)	Type IV (Pathological)	Type V (Liq. & Gas By-prod.)	Type VI (Solid By-prod.)
Actual lb/hr Incinerated							
Uncontrolled (lb/hr)							

Description of Waste _____

Actual Weight Incinerated (lb/hr) _____ Design Capacity (lb/hr) _____

Approximate Number of Hours of Operation per day _____ day/wk _____ wks/yr. _____

Manufacturer _____

Date Constructed _____ Model No. _____

	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 5% excess air.

Type of pollution control devices: 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.):

NOTE: Items 2, 3, 4, 6, 7, 8, and 10 in Section V must be included where applicable.

SECTION V: SUPPLEMENTAL REQUIREMENTS N/A

Please provide the following supplements where required for this application.

1. Total process input rate and product weight -- show derivation [Rule 17-2.100(127)]
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, design pressure drop, 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).
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.



The appropriate application fee in accordance with Rule 17-4.05. 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 N/A

A. Are standards of performance for new stationary sources pursuant to 40 C.F.R. Part 60 applicable to the source?

Yes No

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

B. Has EPA declared the best available control technology for this class of sources (if yes, attach copy)

Yes No

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

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

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

D. Describe the existing control and treatment technology (if any).

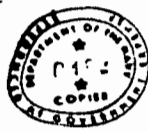
1. Control Device/System:

2. Operating Principles:

3. Efficiency:*

4. Capital Costs:

*Explain method of determining



5. Useful Life:

6. Operating Costs:

7. Energy:

8. Maintenance Costs:

9. Emissions:

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

10. Stack Parameters

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:¹

d. Capital Cost:

e. Useful Life:

f. Operating Cost:

g. Energy:²

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:¹

d. Capital Cost:

e. Useful Life:

f. Operating Cost:

g. Energy:²

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

¹Explain method of determining efficiency.

²Energy to be reported in units of electrical power - KWH design rate.



- j. Applicability to manufacturing processes:
- k. Ability to construct with control device, install in available space, and operate within proposed levels:
- 3.
 - a. Control Device:
 - b. Operating Principles:
 - c. Efficiency:¹
 - d. Capital Cost:
 - e. Useful Life:
 - f. Operating Cost:
 - g. Energy:²
 - 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:
- 4.
 - a. Control Device:
 - b. Operating Principles:
 - c. Efficiency:¹
 - d. Capital Costs:
 - e. Useful Life:
 - f. Operating Cost:
 - g. Energy:²
 - 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. Describes the control technology selected:

- 1. Control Device:
- 2. Efficiency:¹
- 3. Capital Cost:
- 4. Useful Life:
- 5. Operating Cost:
- 6. Energy:²
- 7. Maintenance Cost:
- 8. Manufacturer:
- 9. Other locations where employed on similar processes:
 - a. (1) Company:
 - (2) Mailing Address:
 - (3) City:
 - (4) State:

Explain method of determining efficiency.
Energy to be reported in units of electrical power - KWH design rate.



(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:¹

Contaminant

Rate or Concentration

(8) Process Rate:¹

b. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:¹

Contaminant

Rate or Concentration

(8) Process Rate:¹

10. Reason for selection and description of systems:

¹Applicant must provide this information when available. Should this information not be available, applicant must state the reason(s) why.

SECTION VII - PREVENTION OF SIGNIFICANT DETERIORATION N/A

A. Company Monitored Data

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

Period of Monitoring _____ / _____ / _____ to _____ / _____ / _____
month day year month day year

Other data recorded _____

Attach all data or statistical summaries to this application.

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



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.

) 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 of 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.

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.

PLER INSTALLATION: HFC ORLANDO FL
EMISSION CALCULATIONS



1. Natural Gas

A. Flow Rate = $\frac{\text{Capacity}}{\text{Heat Content}} = \frac{2.5 \text{MMBTU/Hr}}{0.0011 \text{ MBTU/ft}^3} = 2273 \text{ ft}^3/\text{hr}$

Pollutant	Emission Factor* (lb/10 ⁶ /ft ³)	Flow Rate (ft ³ /hr)	Discharge (lb/hr)	Discharge (Ton/yr)
Particulate	5	2273	0.011	0.048
SO ₂	0.6	2273	0.001	0.004
NO ₂	100	2273	0.227	0.994
CO	20	2273	0.046	0.202
THC Nonmethane	5.3	2273	0.012	0.053
THC Methane	2.7	2273	0.006	0.026

* From EPA AP-42 Supplement 13

C. Gas Flow Rate at Stack = (Flow Rate)(Products of Combustion)

Products of Combustion - 13.525 ft³/ft³, from EPA AP-40
with 20% excess air @ 60°F

Gas Flow Rate = (2273 ft³/hr)(13.525 ft³/ft³) = 30742 ft³/hr

Gas Flow Rate = 8.54 CFS

Actual Gas Flow Rate = $\frac{460 + 400}{460 + 60} (8.54 \text{ CFS}) = 14.1 \text{ ACFS}$

Natural Gas Flow Rate (DSCFM) = $\frac{(2273 \text{ ft}^3/\text{hr})(11.442 \text{ ft}^3/\text{ft}^3)}{(60 \text{ min/hr})} = 433.5 \text{ DSCFM}$

D. Velocity = $\frac{\text{Quantity}}{\text{Area}} = \frac{14.1 \text{ ft}^3/\text{sec}}{(\pi(0.833)^2/4)\text{ft}^2} = 25.9 \text{ fps}$

DEPARTMENT OF ENVIRONMENTAL REGULATION

AC# 126582

\$100.00

SOUTH FLORIDA DISTRICT

3269 BAY STREET FORT MYERS, FLORIDA 33901

PAID SEP 14 1988

CENTRAL FLORIDA DISTRICT



BOB GRAHAM GOVERNOR

VICTORIA J TSCHINKEL SECRETARY

PHILIP R EDWARDS DISTRICT MANAGER

APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE: Hot Water Boiler [X] New [] Existing

APPLICATION TYPE: [X] Construction [] Operation [] Modification

COMPANY NAME: Naval Training Center, Orlando COUNTY: Orange

Identify the specific emission point source(s) addressed in this application (i.e. Line Kiln No. 4 with Venturi Scrubber; Peaking Unit No. 2, Gas Fired) Boiler Bldg. 316

SOURCE LOCATION: Street Gardenia Street, Naval Training Center City Orlando

UTM: East 17-468 KME North 3160.1 KmN

Latitude 28 33 44 "N Longitude 81 19 47 "W

APPLICANT NAME AND TITLE: Commanding Officer

APPLICANT ADDRESS: Naval Training Center, Orlando, Florida

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

A. APPLICANT

I am the undersigned owner or authorized representative* of NTC Orlando

I certify that the statements made in this application for a Construction permit are true, correct and complete to the best of my knowledge and belief. Further I agree to maintain and operate the pollution control source and pollution control facilities in such a manner as to comply with the provision of Chapter 403, Florida Statutes, and all the rules and regulations of the department and revisions thereof. I also understand that a permit, if granted by the department, will be non-transferable and I will promptly notify the department upon sale or legal transfer of the permitted establishment.

*Attach letter of authorization

Signed: Richard M. Rohrbach Captain, CEC, U.S. Navy Commanding Officer Date: 9-8-88 Telephone No. 743-0700

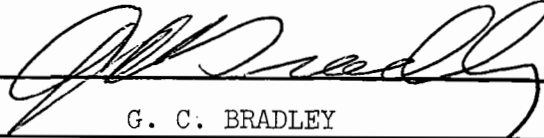
B. PROFESSIONAL ENGINEER REGISTERED IN FLORIDA (where required by Chapter 471, F.S.)

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

1 See Florida Administrative Code Rule 17-2.100(57) and (104)



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 

G. C. BRADLEY

Name (Please Type)

Southern Division, Naval Facilities Engineering Command

Company Name (Please Type)

P. O. Box 10068, Charleston, SC 29411

Mailing Address (Please Type)

Florida Registration No. 8954 Date: 2 September 1988 Telephone No. (803) 743-0582

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.

Project to install a 2.5 MMBTU/HR boiler with natural gas as the fuel source.

This facility will result in full compliance.

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

Start of Construction 1 January 1989 Completion of Construction 1 July 1991

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.)

N/A

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

N/A

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

F. 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
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)
requirement 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

H. Do "Reasonably Available Control Technology" (RACT) requirements apply
to this source? No

a. If yes, for what pollutants? _____

b. If yes, in addition to the information required in this form,
any information requested in Rule 17-2.650 must be submitted.

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

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

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

Description	Contaminants		Utilization Rate - lbs/hr	Relate to Flow Diagram
	Type	% Wt		

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

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

C. Airborne Contaminants Emitted: (Information in this table must be submitted for each emission point, use additional sheets as necessary)

Name of Contaminant	Emission ¹		Allowed Emission Rate per Rule 17-2	Allowable ³ Emission lbs/hr	Potential ⁴ Emission		Relate to Flow Diagram
	Maximum lbs/hr	Actual T/yr			lbs/yr	T/yr	
Particulate	.011	.048	CH17-2.610	Latest Tech.	.011	.048	N/A
SO ₂	.001	.004	CH17-2.610	" "	.001	.004	N/A
NO ₂	.227	.994	CH17-2.610	" "	.227	.994	N/A
CO	.046	.202	CH17-2.610	" "	.046	.202	N/A
THC Nonmethane	.012	.053	CH17-2.610	" "	.012	.053	N/A
THC Methane	.006	.026	CH17-2.610	" "	.006	.026	N/A

¹See Section V, Item 2.

²Reference applicable emission standards and units (e.g. Rule 17-2.600(5)(b)2. Table II, E. (1) - 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).

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

Name and Type (Model & Serial No.)	Contaminant	Efficiency	Range of Particles Size Collected (in microns) (if applicable)	Basis for Efficiency (Section V Item 5)
None				

E. Fuels

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	avg/hr	max./hr	
Natural Gas	.0023 MMCF/HR	.0023 MMCF/HR	2.5

*Units: Natural Gas--MMCF/hr; Fuel Oil--gallons/hr; Coal, wood, refuse, other--lbs/hr.

Fuel Analysis: Natural Gas
 Percent Sulfur: None Percent Ash: None
 Density: N/A lbs/gal Typical Percent Nitrogen: 5.15
 Heat Capacity: 1100 BTU/CF N/A BTU/gal
 Other Fuel Contaminants (which may cause air pollution): N/A

F. If applicable, indicate the percent of fuel used for space heating.
 Annual Average 100% Maximum _____

G. Indicate liquid or solid wastes generated and method of disposal.
None

Emission Stack Geometry and flow Characteristics (Provide data for each stack):

Stack Height: 83 ft. Stack Diameter: 0.833 ft.
 Gas flow Rate: 846 ACFM 434 DSCFM Gas Exit Temperature: 400 °F.
 Water Vapor Content: 5 % Velocity: 25.9 FPS

SECTION IV: INCINERATOR INFORMATION N/A

Type of Waste	Type 0 (Plastics)	Type I (Rubbish)	Type II (Refuse)	Type III (Garbage)	Type IV (Pathological)	Type V (Liq. & Gas By-prod.)	Type VI (Solid By-prod.)
Actual lb/hr Incinerated							
Uncontrolled (lbs/hr)							

Description of Waste _____

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

Approximate Number of Hours of Operation per day _____ day/wk _____ wks/yr. _____

Manufacturer _____

Date Constructed _____ Model No. _____

	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 devices: 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.):

NOTE: Items 2, 3, 4, 6, 7, 8, and 10 in Section V must be included where applicable.

SECTION V: SUPPLEMENTAL REQUIREMENTS N/A

Please provide the following supplements where required for this application.

1. Total process input rate and product weight -- show derivation [Rule 17-2.100(127)]
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, design pressure drop, etc.)
5. With construction permit application, attach derivation of control device(s) efficiency. Include test or design date. 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).
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.

) The appropriate application fee in accordance with Rule 17-4.05. 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 N/A

A. Are standards of performance for new stationary sources pursuant to 40 C.F.R. Part 60 applicable to the source?

Yes No

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

B. Has EPA declared the best available control technology for this class of sources (if yes, attach copy)

Yes No

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

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

Contaminant

Rate or Concentration

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:

Explain method of determining

5. Useful Life:

6. Operating Costs:

7. Energy:

8. Maintenance Costs:

9. Emissions:

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

10. Stack Parameters

- 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:¹ d. Capital Cost:
- e. Useful Life: f. Operating Cost:
- g. Energy:² 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:¹ d. Capital Cost:
- e. Useful Life: f. Operating Cost:
- g. Energy:² h. Maintenance Cost:
- i. Availability of construction materials and process chemicals:

¹Explain method of determining efficiency.

²Energy to be reported in units of electrical power - KWH design rate.

- j. Applicability to manufacturing processes:
- k. Ability to construct with control device, install in available space, and operate within proposed levels:

3.

- a. Control Device:
- b. Operating Principles:
- c. Efficiency:¹
- d. Capital Cost:
- e. Useful Life:
- f. Operating Cost:
- g. Energy:²
- 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:

4.

- a. Control Device:
- b. Operating Principles:
- c. Efficiency:¹
- d. Capital Costs:
- e. Useful Life:
- f. Operating Cost:
- g. Energy:²
- 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:

Describe the control technology selected:

- 1. Control Device:
- 2. Efficiency:¹
- 3. Capital Cost:
- 4. Useful Life:
- 5. Operating Cost:
- 6. Energy:²
- 7. Maintenance Cost:
- 8. Manufacturer:

9. Other locations where employed on similar processes:

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

Explain method of determining efficiency.
Energy to be reported in units of electrical power - KWH design rate.

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:¹

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

(8) Process Rate:¹

b. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:¹

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

(8) Process Rate:¹

10. Reason for selection and description of systems:

¹Applicant must provide this information when available. Should this information not be available, applicant must state the reason(s) why.

SECTION VII - PREVENTION OF SIGNIFICANT DETERIORATION N/A

A. Company Monitored Data

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

Period of Monitoring _____ / _____ / _____ to _____ / _____ / _____
month day year month day year

Other data recorded: _____

Attach all data or statistical summaries to this application.

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

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.

) 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 of 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.

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.

WATER TREATMENT PLANT INSTALLATION: NYC ORLANDO FL
EMISSION: CALCULATIONS



1. Natural Gas

A. Flow Rate = $\frac{\text{Capacity}}{\text{Heat Content}} = \frac{2.5 \text{MMBTU/Hr}}{0.0011 \text{ MBTU/ft}^3} = 2273 \text{ ft}^3/\text{hr}$

<u>Pollutant</u>	<u>Emission Factor*</u> (lb/10 ⁶ /ft ³)	<u>Flow Rate</u> (ft ³ /hr)	<u>Discharge</u> (lb/hr)	<u>Discharge</u> (Ton/yr)
Particulate	5	2273	0.011	0.048
SO ₂	0.6	2273	0.001	0.004
NO ₂	100	2273	0.227	0.994
CO	20	2273	0.046	0.202
THC Nonmethane	5.3	2273	0.012	0.053
THC Methane	2.7	2273	0.006	0.026

* From EPA AP-42 Supplement 13

C. Gas Flow Rate at Stack = (Flow Rate)(Products of Combustion)

Products of Combustion - 13.525 ft³/ft³, from EPA AP-40
with 20% excess air @ 60°F

Gas Flow Rate = (2273 ft³/hr)(13.525 ft³/ft³) = 30742 ft³/hr

Gas Flow Rate = 8.54 CFS

Actual Gas Flow Rate = $\frac{460 + 400}{460 + 60} (8.54 \text{ CFS}) = 14.1 \text{ ACFS}$

Natural Gas Flow Rate (DSCFM) = $\frac{(2273 \text{ ft}^3/\text{hr})(11.442 \text{ ft}^3/\text{ft}^3)}{(60 \text{ min/hr})} = 433.5 \text{ DSCFM}$

D. Velocity = $\frac{\text{Quantity}}{\text{Area}} = \frac{14.1 \text{ ft}^3/\text{sec}}{(\pi(0.833)^2/4) \text{ft}^2} = 25.9 \text{ fps}$

SECTION 15556

HOT WATER HEATING BOILERS
(LOW PRESSURE)
(OVER 800,000 BTU/HR OUTPUT)



PART 1 - GENERAL

1.1 APPLICABLE PUBLICATIONS: The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by the basic designation only.

1.1.1 Military Specifications (Mil. Spec.):

MIL-B-17452D	Boilers, Steam and Hot Water, High and Low Pressure: Firetube, Packaged Type
MIL-F-18113D	Feeders, Boiler Water Treatment, By-Pass and Compound Receiver Types
MIL-B-18796E	Burner, Single, Oil, Gas and Gas Oil Combination, (400,000 Btu's Per Hour and Over Input Capacity)

1.1.2 American Boiler Manufacturers Association (ABMA) Publication:

1978 Packaged Firetube Ratings

1.1.3 American National Standards Institute (ANSI) Publications:

Z83.3-71 Gas Utilization Equipment in Large Boilers

1.1.4 American Society for Testing and Materials (ASTM) Publications:

A 53-79 Pipe, Steel, Black and Hot-Dipped Zinc-Coated (Galvanized) Welded and Seamless for Ordinary Uses

1.1.5 American Society of Mechanical Engineers (ASME) Publications:

ASME Boiler and Pressure Vessel Code and Interpretations:

1986 Section IV - Heating Boilers

1.1.6 Underwriters Laboratories (UL) Publications:

UL 726 Oil-Fired Boiler Assemblies

UL 795 Commercial-Industrial Gas Heating Equipment

1.3.6 Field Test Reports

- a. Start-Up Test Reports
- b. Water Treatment Tests

PART 2 - PRODUCTS

2.1 BOILERS: Shall conform to UL 795, NFPA 85A, or ANSI Z83.3 and, Mil. Spec. MIL-B-17452, Type III - Low Pressure Hot Water, Class 1 - Standard duty, Group 1 - 400,000 to 2,500,000 Btu/Hr output.

2.1.1 Design Requirements: Boilers shall have a gross output as indicated with an efficiency of not less than 80 percent. The boiler shall be designed, tested, and installed in accordance with Section IV (Heating Boilers) of the ASME Boiler and Pressure Vessel Code. Boiler shall be complete with an explosion-relief door, located in accordance with manufacturer's recommendations. Boiler shall be suitable for installation in the space shown with ample room for opening doors and cleaning and/or removal and replacement of tubes. Boiler shall be painted in accordance with manufacturer's standard requirement. Boiler design working pressure shall be 160 psig. Boiler operating pressure shall be 60 psig. Boiler operating temperature shall be 180 degrees F. Boiler return water temperature shall be 160 degrees F.

2.2 BURNERS AND CONTROL EQUIPMENT: Shall conform to the requirements of Mil. Spec. MIL-B-18796, Size 1 - 400,000 to 2,500,000 Btu/Hr input, Class 3 - gas-fired, Control Sequence IB-automatic recycling with proved igniter. Combustion control system shall be the high-low-off type. The burner shall be the partial premix type, complete with primary air fan. Ignition system shall be the interrupted pilot type, and pilot shall be the electrode-ignited natural gas type. Burner and combustion-control equipment shall be designed for firing natural gas having a specific gravity of 0.6 and a heating value of approximately 1000 Btu per cubic foot and shall be an integral part of the boiler. Burner controls and safety equipment shall conform to the requirements of Mil. Spec. Mil-B-18796. In addition, the controls, including operating switches, indicating lights, gages, alarms, motor starters, fuses, and circuit elements of control systems shall be mounted on a single control panel or cabinet and shall be designed for a separate mounting not on the burner in accordance with Mil. Spec. MIL-B-18796. The flame scanner shall be located such that testing and cleaning of the scanner can be accomplished without disassembly of the burner. Provide fuel train as indicated.

2.3 BOILER TRIM AND CONTROL EQUIPMENT: Boiler trim and control equipment shall conform to the requirements of Mil. Spec. MIL-B-17452 and MIL-B-18796. Provide trim required under Section IV of the ASME Boiler and Pressure Vessel Code plus the additional appurtenances specified below. Non-recycling control interlocks shall have the reset located on the control interlock itself.



DEPARTMENT OF THE NAVY

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

2155 EAGLE DR., P. O. BOX 10068

CHARLESTON, S. C. 29411-0068

PLEASE ADDRESS REPLY TO THE
COMMANDING OFFICER, NOT TO
THE SIGNER OF THIS LETTER.
REFER TO:

5090

Code 1141/P1

08 SEP 1988



CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. A. Alexander
Florida Department of Environmental Regulation
St. Johns River District
3319 Maguire Boulevard
Suite 232
Orlando, FL 32803

Subj: **BARRACKS, BUILDINGS 316 AND 317**, NAVAL TRAINING CENTER, ORLANDO, FL

Dear Mr. Alexander:

Enclosed are our applications with supporting information for the construction of a hot water boiler associated with each of the subject buildings. The \$100.00 application fee for each source has also been enclosed.

Should you have any questions regarding this application, please contact Mr. James Santarone at (803) 743-0691.

Sincerely,

RICHARD M. ROHRBACH
Captain, CEC, U.S. Navy
Commanding Officer

Encl:

- (1) Application to Construct Air Pollution Sources
- (2) Emission Calculations
- (3) Location and Vicinity Maps
- (4) One Set of Plans (Sheets ID-1, C-10, M-3, M-5, M-13, M-14)
- (5) One Set of Specifications (Section 15556)
- (6) \$100.00 Application Fee

CK # 8352-02615933

2.3.1 Emergency Disconnect Switch: NEMA KSI provide on the wall near the boiler room entrance to allow rapid and complete shutdown of the boiler in the event of an emergency. Emergency switch shall be a 30-amp fuse-type safety switch. Switch shall be painted red and shall be provided with a label indicating the function of the switch.

2.3.2 Relief Valves: Shall have relieving capacity for the full output of the boiler furnished. Relief-valve piping shall conform to ASTM A 53, schedule 40 steel pipe and shall be piped full size to a floor drain.

2.3.3 Pressure Gage: Shall conform to Mil. Spec. MIL-B-17452, 6-inch diameter.

2.3.4 Thermometers: Shall be located to indicate boiler water temperature and boiler return water temperature. Thermometers shall have a scale equivalent to 1.5 times the outlet water temperature.

2.3.5 Drain Tapping: Shall be complete with drain valve and piping to a floor drain.

2.3.6 Water Feeding Device: A water pressure-reducing valve and relief valve, or a combination of the two, shall be provided in the makeup water line to the boiler and shall function to maintain a water pressure of 60 psig in the hot water system.

2.3.7 Stack Thermometer: Flue gas-dial type thermometer shall have scale calibrated from 150 F to 750 F and shall be mounted in the flue gas outlet.

2.3.8 Air Vent Valve: Shall have screwed connection and stainless steel disk and seats to vent entrapped air from the boiler.

2.3.9 Feedwater Treatment: Shall conform to Mil. Spec. MIL-F-18113, Type II - shot-type feeder (manual feed), Style A - for use with pressure up to 200 psig maximum. Submit water analysis and provide sufficient chemicals to initially place system in service and make tests prior to start up and acceptance by Government. Provide same chemicals used for treatment at station's other boilers.

2.3.10 Combustion Regulator: Shall be the adjustable temperature, thermostatic-immersion type and shall function to limit the boiler water temperature to a maximum of 250 degrees F. The control shall actuate the burner through an electric relay system so as to maintain the boiler water temperature within normal prescribed limits at all loads within the rated capacity of the boiler.

2.3.11 High Temperature Limit Switch: Shall be the immersion aquastat type and have a temperature setting above that of the combustion regulator and below that of the lowest relief valve setting. Aquastat shall function to cause a safety shutdown by closing all fuel valves, shutting down the burner equipment, activating a red indicating light, and sounding an alarm in the event that boiler water temperature rises above the operating temperature to the high limit setting. A safety shutdown due to high temperature shall require manual reset before operation can be resumed and shall prevent recycling of the burner equipment.

2.3.12 Differential Pressure Control: Shall be the mercury switch type. Control shall have a main scale and differential adjusting screws at the top of the case and shall have an internal or an external bellows. Control shall be of the type which will open an electric circuit on a drop in pressure below a set minimum. Control shall be set and installed so as to cause a safety shutdown by closing all fuel valves, shutting down the burner equipment, activating a red indicating light, and sounding an alarm in the event that water pressure in the system drops below 30 psig. A safety shutdown due to low water pressure shall require manual reset before operation can be resumed and shall prevent recycling of the burner equipment.

2.3.13 Low-Water Level Cutoff Switch: Shall be of the float or electrode actuated type. Low-water level cutoff shall function to cause a safety shutdown by closing all fuel valves, shutting down the burner equipment, activating a red indicating light, and sounding an alarm in the event that the water level drops below the lowest safe permissible water level established by the boiler manufacturer. A safety shutdown due to low-water level shall require manual reset before operation can be resumed and shall prevent recycling of the burner equipment. The switch may be integral with or separate from the water feeding device.

2.3.14 Low-Water Flow Interlock: The low-water flow interlock required by Mil Spec. MIL-B-17452 for hot water boilers will not be required.

2.3.15 Boiler Safety Control Circuits: Boiler safety control circuits, including control circuits for burner and draft fan, shall be single-phase, two-wire one-side grounded, and not over 120 Volts. Safety control switching shall be in the ungrounded conductor. Overcurrent protection shall be provided. In addition to circuit grounds, metal parts, which do not carry current, shall be grounded by proper grounding connection to the grounding conductor.

2.3.16 Indicating Lights: Safety interlocks requiring a manual reset shall have an individually-labeled indicating light. Non-recycling controls/interlocks shall have the reset located on the control/interlock itself. In lieu of the colors required by Mil. Spec. MIL-B-18796, indicating lights shall have colors as follow:

- a. Amber for ignition on
- b. Blue for draft
- c. Green for main fuel safety shut-off valves open
- d. Red for safety lockout on flame failure and low water pressure, low water level, and high temperature.

2.3.17 Alarm Bell: Alarm bell shall be not less than 4 inches in diameter. Bell shall be electrically operated, and a manual disconnect switch shall be provided. Disconnect switch shall be of such type and so wired that switching off the alarm following a safety shutdown will not prevent the alarm from sounding again upon recurrence of a subsequent safety shutdown condition.

2.3.18 Post-Combustion Purge: In addition to the operating sequence required by Mil. Spec. MIL-B-18796, a post-combustion purge shall be provided. Controls and wiring shall be provided as necessary to assure operation of the draft fan for a period of not less than 15 seconds or of sufficient duration to provide four complete air changes in the boiler (whichever is the greater) following shutdown of the burner upon satisfaction of heat demand. Upon completion of the post-combustion purge period, the draft fan shall automatically shutdown until the next restart.

2.3.19 Stack (Boiler Flue): Construct of sheet steel having a thickness of not less than 0.053 inches. Joints shall be welded gastight. Blast or solvent clean steel surfaces and coat with heat resisting (1200 degree F) aluminum paint. Paint thickness shall be 1.5 mils. Stack shall be provided with stack supports, umbrella collar and cap, and flue transition piece in accordance with NFPA 211.

2.3.20 Draft: Shall be in accordance with boiler manufacturer recommendations.

PART 3 - EXECUTION

3.1 SUPERVISION:

3.1.1 Qualification: Provide the services of a engineer or technician for installation, startup, and tests of equipment as specified below. Submit printed certified qualification resume' of the engineer or technician for approval 10 days before installation. The resume' shall list applicable experience related to installation, startup, and testing of equipment and applicable factory training and education. Submit a written schedule with date of installation, start up, test, and checkout of equipment 10 days before installation. After installation of equipment the engineer or technician shall provide a signed certificate or certified written statement that the equipment is installed in accordance with the manufacturer's recommendations. More than one engineer or technician may be provided based on the types of specific equipment. In the event that more than one engineer or technician is provided, a certified resume' for each one shall be submitted. One engineer or technician as appointed by the Contractor shall supervise and be responsible for the overall installation, start-up, test, and check out of systems.

3.1.2 Start-Up and Test: In addition to the requirements above, the start-up and test engineer or technician shall be approved by the manufacturer of the specific piece of equipment including boiler, boiler controls, and boiler instrumentation equipment. The start-up and test engineer or technician shall remain on the job until the unit has been in successful operation for 3 days, and accepted.

3.2 EQUIPMENT FOUNDATIONS: Locate equipment foundations as shown on the drawings and make sufficient size and weight and of proper design to preclude shifting of equipment under operating conditions or under any abnormal conditions that could be imposed upon the equipment. Foundations shall meet the requirements of the equipment manufacturer.

3.3 EQUIPMENT INSTALLATION: Install equipment in accordance with installation instructions of the manufacturers. Grout equipment mounted on concrete foundations before piping is installed. Install piping in such a manner as not to place a strain on any of the equipment. Do not bolt flanged joints tight unless they match. Grade, anchor, guide, and support all piping without low pockets. Install boiler stack in accordance with NFPA 211.

3.4 BOILER CLEANING: Before being placed in service, boiler shall be boiled out for a period of 24 hours at a pressure not exceeding 12 psig. The solution to be used in the boiler for the boiling out process shall consist of 10 pounds of trisodium phosphate per 100 gallons of water. Upon completion of boiling out, the boiler shall be flushed out with potable water.

3.5 FIELD TESTS AND INSPECTIONS:

3.5.1 General: The CQC Representative shall preform inspections and tests as specified herein to demonstrate that the boilers and auxiliary equipment, as installed, are in compliance with contract requirements. Start up and initially operate the system with components operating. During this time, clean the various strainers until no further accumulation of foreign material occurs. Exercise care so that minimum loss of water occurs when strainers are cleaned. Adjust safety and automatic control instruments as necessary to place them in proper operation and sequence. During startup and during the tests, factory-trained engineers or technicians employed by individual manufacturer of such components as the burner, flame safeguard and combustion controls, and other auxiliary equipment shall be present as required, to insure the proper functioning, adjustment, and testing of the individual components and systems. Contractor shall furnish everything required for tests.

3.5.2 Field Tests: The Contractor shall operate the boiler and appurtenances prior to final testing and shall insure that adjustments have been made. Submit 10-day advanced written notice to the Contracting Officer indicating the equipment is ready for field testing. Contractor shall provide testing equipment required to perform the tests. The tests shall include the following:

3.5.2.1 Operational Test: Test the boilers continuously for a period of at least 8 hours to demonstrate proper operability of the combustion control, flame safeguard control, and safety interlocks. Record manufacturer's recommended readings hourly.

3.5.2.2 Acceptance Inspection: The above tests shall be conducted prior to requesting an acceptance inspection by a Southern Division, Naval Facilities Engineering Command Boiler inspector. The Contracting Officer, upon receipt of the notice from the CQC Representative, shall request the boiler be inspected by Southern Division Naval Facilities Engineering Command. Ten days advance notice is required for scheduling the inspector to conduct the inspection.

3.6 INSTRUCTIONS TO GOVERNMENT PERSONNEL: Provide 1 man-day of instructions, in accordance with Section 15011, "Mechanical General Requirements."

PART V
SOURCE CONTROL PROGRAM REQUIREMENTS

Section 17 - Stationary Source Control

17.01 Application Review Procedures

(a) Department Procedures

When the District Office receives an air permit application for an air pollution source in the County, the District Office will forward one copy to the Local Program for review and comment. The District Office will provide the Local Program with sufficient opportunity to comment on the completeness of each permit application, as well as to recommend issuance or denial. The District Office will also provide the Local Program with copies of all applicable correspondence and will notify the Local Program of all decisions or proposed agency actions related to such permit applications received by the District Office.

The BAQM will follow the same procedure specified above with the Department's Bureau of Air Quality Management's Central Air Permitting Staff (CAPS) for major source air construction permit applications and minor source air construction permit applications at major facilities in the County.

(b) Local Program Procedures

NOTE: This section will be written differently for those Local Programs who will only be commenting on applications, but not directly participating in the review. State permitting is a Department responsibility. It is not to be delegated to a Local Program without the Secretary's approval and the prior addition of permit delegation provisions to 17-2.800 FAC.

However, if the Local Program wishes to participate in District air permitting activities (short of making the permit issuance or denial decisions or signing or co-signing the permits), the Local Program may do so, to the extent and for such period of time that the District Manager approves.

For State permit applications received at the Local Program Office, the Local Program will retain one copy and forward the remaining copies to the District Office along with any attendant fees within 5 days. The Local Program or the District Office, (but not both) shall review the application for completeness within 25 days of receipt. If the application is determined incomplete, a single letter of incompleteness will be sent from the District Office or the Local Program after approval is received from the Department requesting further information. When the application is determined complete, the Local Program will forward its recommendations on the permit to the District Office by day 45. Should the District Office choose not to use the Local Program's recommendations, the District Office will notify the Local Program of that decision as soon as practicable.

The Local Program will follow similar procedures specified above in forwarding and in commenting to the BAQM with information copies to the District on major source air construction permit applications at major facilities received from sources in the county. However, all incompleteness letters and other official agencies actions with respect to such facilities will be mailed to the applicant by the BAQM.

(c) Conflict Resolution

Although the Department has the responsibility for decisions on final agency action for air permit applications, every effort shall be made to reach an acceptable agreement and/or compromise if a conflict arises between the Local Program and the Department with respect to permit issuance or denial. If agreement is not reached, the Local Program may request a state administrative hearing to adjudicate the issues in accordance with Chapter 120, F.S.

If at anytime the District Manager determines that the Local Program should not continue to be involved in processing District issued air permits (to the extent specified above), the District Manager may, by certified letter to the Local Program Air Section Administrator, with a copy to the Chief, BAQM, suspend the provisions of this section (Section 17. Stationary Source Control) for 90 days following receipt of the certified letter. The certified letter will specify the specific involvement (e.g. continue receipt and transmittal of application, but discontinue completeness determination) that

is approved by the District Manager during the 90 day period. Within 45 days of the District Manager's notice the SOA Managers will meet at the District Office to discuss the District Manager's action.

Within 75 days of the District Manager's notice the District Manager will either withdraw the suspension, or issue a modification of this section (as a dated and signed addendum to this Agreement), and notify the owner of all permitted air facilities within the County of the change in the role the Local Air Program will play in State air permitting after the 90th day--at which time his original or substitute modification of Section 17 will become effective.

Both the Chief, BAQM, and the Local Program Director agree that the District Manager may amend this section, without their specific agreement, provided the procedure described above is followed.

17.02 Forms

The Local Program will maintain a sufficient number of Department air permit application forms within the office for applicants and will only use the proper DER forms when processing state air permit applications. The Department will provide sufficient quantities of forms to the Local Program upon request.

17.03 Reporting Requirements

By use of the PORS system, the Local Program will report all State air permit application review activities and any County permit issuances on a monthly basis to the Department.

Section 18 - MOBILE SOURCE CONTROL

18.02 Plans and Program Development

The Local Program will coordinate its efforts with the BAQM in developing a mobile source control plan and program for the County, that is compatible with the Department's mobile source control program; and when appropriate, consistent with the Local Comprehensive Plan. This includes the adoption of mobile source control codes and ordinances, and the planning of and accomplishment of their implementation. The Local Program will provide adequate staffing, to develop and maintain transportation air quality planning activities and to monitor and perform the implementation of related mobile source control measures.

18.02 Coordination and Committee Membership

The Local Program will coordinate the transportation air quality activities within the County with the District and the BAQM. This includes, but is not limited to, DRI review, mobile source testing, inspection of compounds of the gasoline marketing and distribution system within the County, MPO and

BEST AVAILABLE COPY

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

No 126583

RECEIPT FOR APPLICATION FEES AND MISCELLANEOUS REVENUE

Received from U.S. Navy Southern Division Date Sept 14 1988
 Address PO Box 10068 Charleston SC 29411-0068 Dollars \$ 100.00
 Applicant Name & Address _____
 Source of Revenue _____
 Revenue Code 001031 OK 02615933 Application Number AC48 154731
 By S. Combs

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

No 126582

RECEIPT FOR APPLICATION FEES AND MISCELLANEOUS REVENUE

Received from U.S. Navy Southern Div. Date Sept 14 1988
 Address PO Box 10068 Charleston SC 29411-0068 Dollars \$ 100.00
 Applicant Name & Address _____
 Source of Revenue _____
 Revenue Code 001031 OK 02615933 Application Number AC48 154733
 By S. Combs

Drop -34
 Keep -38
 Refund \$100.00