

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

March 7, 1985

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Mr. Peter Minderman
Director of Design Engineering
John F. Kennedy Space Center
Kennedy Space Center, Florida 32899

Dear Mr. Minderman:

Enclosed is Permit Number AC 05-093501 dated March 5, 1985, to Kennedy Space Center issued pursuant to Section 403, Florida Statutes.

Acceptance of this permit constitutes notice and agreement that the department will periodically review this permit for compliance, including site inspections where applicable, and may initiate enforcement actions for violation of the conditions and requirements thereof.

Sincerely,

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

CHF/pa

Enclosure

cc: Charles Collins

Final Determination

Kennedy Space Center, NASA
Hot Water Generator

Permit Number:
AC 05-093501

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

March 4, 1985

Final Determination

NASA's application for a permit to construct a 25 million BTU/hr hot water generator at the Kennedy Space Center, Brevard County, Florida, has been reviewed by the Bureau of Air Quality Management.

Public Notice of the Department's Intent to Issue the construction permit was published in the Today Newspaper on January 12, 1985.

Copies of the preliminary determination have been available for public inspection at the Department's District office in Orlando and the Bureau of Air Quality Management office in Tallahassee.

No comments were received as a result of the public notice period.

The final action of the Department will be to issue the permit as noticed during the public notice period.

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PERMITTEE:

Kennedy Space Center
Headquarters Building

Kennedy Space Center, FL 32899

Permit Number: AC 05-093501

Expiration Date: March 1, 1986

County: Brevard

Latitude/Longitude: 28° 35' 05" N/
80° 39' 08" W

Project: Hot Water Generator

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-2 and 17-4. The above named permittee is hereby authorized to perform the work and 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:

For the construction of a hot water generator with 25 MBtu/hr heat input located at Kennedy Space Center (VAB Annex Heat Plant) in Brevard County, Florida.

Construction shall be in accordance with the attached permit application except as otherwise noted on pages 5 and 6, Specific Conditions.

Attachments:

1. Application to Construct Air Pollution Sources, DER Form 17-2.122(16), received on September 20, 1984.

PERMITTEE:
Kennedy Space Center

I. D. Number:
Permit Number: AC 05-093501
Expiration Date: March 1, 1986

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:
Kennedy Space Center

I. D. Number:
Permit Number: AC 05-093501
Expiration Date: March 1, 1986

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:
Kennedy Space Center

I. D. Number:
Permit Number: AC 05-093501
Expiration Date: March 1, 1986

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 non-compliance 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:
Kennedy Space Center

I. D. Number:
Permit Number: AC 05-093501
Expiration Date: March 1, 1986

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. Except as required pursuant to these specific conditions, the proposed hot water generator construction shall be carried out in accordance with the statements in the application.
2. The sulfur content of the fuel oil to be burned in the proposed generator shall not exceed 1.0 percent by weight, as determined by ASTM Method D-219. The fuel analysis reports of the oil used shall be recorded and these records shall be kept for a minimum of two years for regulatory agency inspection.

PERMITTEE:
Kennedy Space Center

I. D. Number:
Permit Number: AC 05-093501
Expiration Date: March 1, 1986

SPECIFIC CONDITIONS:

3. The visible emissions from the proposed generator shall not exceed 20% opacity, six (6) minute average. DER Method 9 (17-2.700(6)(a)9, FAC) shall be used for the performance test conducted by the permittee.
4. The test of visible emissions shall be accomplished at 90 to 100 percent of the design capacity. The permittee shall notify DER's St. Johns River District Office 14 days prior to the compliance test.
5. No. 6 fuel oil consumption in this hot water generator shall not exceed 166 GPH and 657,000 gallons per year.
6. The permit to operate the existing No. 2 generator (AO 05-35275) shall be surrendered to the St. Johns River District prior to placing the new hot water generator in service.
7. A complete operation permit application, with a compliance test and oil analysis report, shall be submitted to the St. Johns River District office 90 days prior to expiration of the construction permit.

Issued this 5 day of March, 1985

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL REGULATION



VICTORIA J. TSCHINKEL, Secretary

___ pages attached.

State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION
INTEROFFICE MEMORANDUM

DER
MAR 6 1985

For Routing To District Offices And/Or To Other Than The Addressee		
To: _____	Loctn.: _____	
To: _____	Loctn.: _____	
To: _____	Loctn.: _____	
From: _____	Date: _____	
Reply Optional []	Reply Required []	Info. Only []
Date Due: _____	Date Due: _____	

BAQM

TO: Victoria J. Tschinkel
FROM: Clair Fancy
DATE: March 4, 1985
SUBJ: Approval of Attached Air Construction Permit

Clair Fancy

RECEIVED
MAR 4

Office of the Secretary
Permit of the Secretary

Attached for your approval and signature is one Air Construction Permit for the Kennedy Space Center. This is a permit to construct a hot water generator at the applicant's existing facility in Brevard County, Florida.

Day 90, after which the permit would be issued by default, is March 29, 1985.

The Bureau recommends your approval and signature.

CF/pa

Attachments

No. 0158675
 RECEIPT FOR CERTIFIED MAIL
 NO INSURANCE COVERAGE PROVIDED—
 NOT FOR INTERNATIONAL MAIL
 (See Reverse)

SENT TO		
Mr. Peter Minderman		
STREET AND NO.		
P.O., STATE AND ZIP CODE		
POSTAGE	\$	
CONSULT POSTMASTER FOR FEES OPTIONAL SERVICES	CERTIFIED FEE	¢
	SPECIAL DELIVERY	¢
	RESTRICTED DELIVERY	¢
	RETURN RECEIPT SERVICE	¢
	SHOW TO WHOM AND DATE DELIVERED	¢
	SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY	¢
	SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY	¢
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	¢	
TOTAL POSTAGE AND FEES	\$	
POSTMARK OR DATE		
3/11/85		

PS Form 3800, Apr. 1976

PS Form 3811, July 1983

SENDER: Complete items 1, 2, 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 service(s) requested.

- Show to whom, date and address of delivery.
- Restricted Delivery.

3. Article Addressed to:
 Mr. Peter Minderman
 Director of Engineering
 Kennedy Space Center, FL 32899

4. Type of Service: Article Number

<input type="checkbox"/> Registered	<input type="checkbox"/> Insured	0158675
<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

6. Signature - Agent
 X *Sallie L. Krell*

7. Date of Delivery
 3/13/85

8. Addressee's Address (ONLY if requested and fee paid)

DOMESTIC RETURN RECEIPT