

# PERMITS

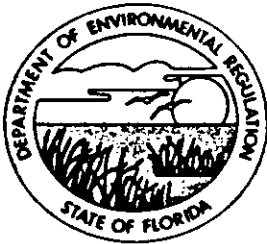
Unit No. 4 - DER Permit Number AO53-175869

Unit No. 5 - DER Permit Number AO53-175868

Unit No. 6 - DER Permit Number AO53-175871

Unit No. 7 - DER Permit Number AO53-175870

## IMPORTANT PAPERS



# *Florida Department of Environmental Regulation*

Southwest District • 4520 Oak Fair Boulevard • Tampa, Florida 33610-7347 • 813-623-5561

Bob Martinez, Governor

Dale Twachtman, Secretary

John Shearer, Assistant Secretary

Dr. Richard Garrity, Deputy Assistant Secretary

## NOTICE OF PERMIT

### STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION NOTICE OF PERMIT ISSUANCE

April 27, 1990

In the Matter of an Application  
for Permit by:

DER File No. A053-175869  
Polk County

Mr. Harlan C. Proctor, Superintendent  
City of Lakeland  
Department of Electric and Water Utilities  
Charles Larsen Power Plant - Unit No. 4  
2002 East U.S. Highway 92  
Lakeland, Florida 33801

Enclosed is Permit Number A053-175869 to Operate Unit #4 at the Charles Larsen Power Plant located at 2002 East U.S. Highway 92, Lakeland, issued pursuant to Section 403, Florida Statutes.

A person whose substantial interests are affected by this permit may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within 14 days of receipt of this permit. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. 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.

The Petition shall contain the following information;

(a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;

(b) A statement of how and when each petitioner received notice of the Department's action or proposed action;

(c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;

(d) A statement of the material facts disputed by Petitioner, if any;

(e) A statement of facts which petitioner contends warrants reversal or modification of the Department's action or proposed action;

(f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and

(g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

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 position taken by it in this permit. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of receipt of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

This permit is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070, F.A.C. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.

When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order 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 the Final Order is filed with the Clerk of the Department.

Executed in Tampa, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

*Gary A. Maier*

Gary A. Maier, BS ChE, JD  
4520 Oak Fair Boulevard  
Tampa, Florida 33610-7347  
Phone (813) 623-5561 x360

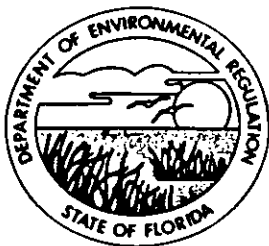
CERTIFICATE OF SERVICE  
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This is to certify that this NOTICE OF PERMIT and all  
copies were mailed before the close of business on  
APR 30 1990 to the listed persons.

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

*Marilyn Quispe*  
Clerk

APR 30 1990  
Date



## *Florida Department of Environmental Regulation*

Southwest District • 4520 Oak Fair Boulevard • Tampa, Florida 33610-7347 • 813-623-5561

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

Dr. Richard Garrity, Deputy Assistant Secretary

### PERMITTEE:

City of Lakeland Department of  
Electric and Water Utilities  
1000 East Parker St.  
Lakeland, FL. 33801

### PERMIT/CERTIFICATION

Permit No: A053-175869  
County: Polk  
Expiration Date: 05/17/95  
Project: Charles Larsen  
Power Plant, Unit #4

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 17-2 & 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:

For Operation of the nominal 20 MW (electric) Steam Generator designated as Charles Larsen Memorial Power Plant Unit #4. This source is fired on No. 6 fuel oil with a maximum heat input of 277.2 MMBTU per hour, or natural gas with a maximum heat input of 278.8 MMBTU per hour.

Location: 2002 East U.S. Highway 92, Lakeland, Polk County

UTM: 17-409.0 E 3106.3 N NEDS NO: 0003 Point ID: 01

Replaces Permit No.: A053-99003

**PERMITTEE:**

City of Lakeland Department of  
Electric and Water Utilities  
1000 East Parker St.  
Lakeland, FL. 33801

**PERMIT/CERTIFICATION**

Permit No: AO53-175869  
County: Polk  
Expiration Date: 05/17/95  
Project: Charles Larsen  
Power Plant, Unit #4

**SPECIFIC CONDITIONS:**

1. A part of this permit is the attached 15 General Conditions.
2. Visible Emissions shall not exceed 20% opacity except for one two-minute period per hour during which opacity shall not exceed 40%. (Rule 17-2.600(5)(a)1., F.A.C.).
3. Particulate Matter Emissions shall not exceed 0.1 pound per million Btu heat input. (Rule 17-2.600(5)(a)2., F.A.C.).
4. Sulfur Dioxide Emissions shall not exceed 2.75 pounds per million Btu heat input. (Rule 17-2.600(5)(a)3.a.(xi), F.A.C.).
5. Excess emissions from boiler cleaning (soot blowing) or load change are permitted provided that,
  - (A) the duration of such excess emissions shall not exceed 3 hours in any 24 hour period,
  - (B) the visible emissions shall not exceed 60% opacity,
  - (C) the particulate emissions shall not exceed an average of 0.3 pound per million BTU heat input during the 3 hour period,
  - (D) best operational practices to minimize emissions are adhered to, AND
  - (E) the duration of excess emissions shall be minimized. (Rule 17-2.250, F.A.C.)
6. The heat input rate shall not exceed 277.2 MM Btu per hour when burning fuel oil. The heat input rate shall not exceed 278.8 MM Btu per hour when burning natural gas. If fuel oil and natural gas are burned simultaneously in any combination, then the maximum permitted heat input rate shall be determined by proration.
7. This source is permitted to operate 24 hours/day, 7 days/week, and 52 weeks/year (8760 hours/year).

**PERMITTEE:**

City of Lakeland Department of  
Electric and Water Utilities  
1000 East Parker St.  
Lakeland, FL. 33801

**PERMIT/CERTIFICATION**

Permit No: A053-175869  
County: Polk  
Expiration Date: 05/17/95  
Project: Charles Larsen  
Power Plant, Unit #4

**SPECIFIC CONDITIONS:**

8. Test the emissions, under both normal and soot blowing conditions, for the following pollutants at intervals of 12 months from the date March 28, 1989 and submit a copy of the test data to the Air Section of the Southwest District Office within forty-five days of such testing. Testing procedures shall be consistent with the requirements of Rule 17-2.700, F.A.C. The duration of each opacity test shall be 60 minutes. Opacity tests shall be conducted using DER Method 9.

- (X) Particulates \*
- (X) Sulfur Oxides \*\*
- ( ) Fluorides
- ( ) Nitrogen Oxides
- (X) Opacity
- ( ) Hydrocarbons
- ( ) Total Reduced Sulfur

\* An annual compliance test for particulate is not required for any fuel burning source that, in a federal fiscal year (October 1 - September 30), does not burn liquid or solid fuel, other than during startup, for a total of more than 400 hours.

\*\* A Fuel analysis of a representative fuel sample taken during the particulate compliance test and a calculation of the sulfur dioxide emission rate which is based upon the fuel analysis may be submitted in lieu of the required sulfur oxides emission test.

9. If the source is on cold standby when an annual compliance test is required by Specific Condition No. 8, then the compliance test may be postponed until after startup. Compliance testing shall be conducted within 30 days of startup. Testing, notification, and reporting, shall be consistent with all the requirements of Specific Conditions Nos. 8 through 15. The base date for future annual testing under Specific Condition No. 8 shall be automatically amended to the date of the compliance test conducted after startup.

10. Except as provided in Specific Conditions No. 11 or 12, compliance testing shall be conducted while burning fuel oil.

11. If the source is burning natural gas when a compliance test is required, then the compliance test may be conducted while burning natural gas.

12. If the source is burning a mixture of natural gas and fuel oil simultaneously when a compliance test is required, then the compliance test may be conducted while burning that mixture of natural gas and fuel oil simultaneously.

**PERMITTEE:**

City of Lakeland Department of  
Electric and Water Utilities  
1000 East Parker St.  
Lakeland, FL. 33801

**PERMIT/CERTIFICATION**

Permit No: AO53-175869  
County: Polk  
Expiration Date: 05/17/95  
Project: Charles Larsen  
Power Plant, Unit. #4

**SPECIFIC CONDITIONS:**

13. If the most recent compliance test was conducted pursuant to Specific Condition No. 11 or 12, and the fuel input is changed for a total of more than 15 days such that the percentage of total heat input derived from fuel oil increases by 10% or more (using the most recent compliance test as a basis), then the results from new compliance tests shall be submitted to the Air Section of the Southwest District Office within 45 days of the 15th day that the source is fired with the changed fuel input. (Rule 17-4.070(3), F.A.C.)
14. Compliance testing shall be conducted while operating within  $\pm 10\%$  of the maximum permitted heat input rate. A compliance test submitted at operating levels less than 90% of the maximum permitted heat input rate will automatically constitute an amended permit at the lesser rate until another test, showing compliance at a higher rate is submitted. The permittee shall submit a statement of the actual heat input rate as a part of each compliance test. Failure to include the actual heat input rate in the results may invalidate the tests and fail to provide reasonable assurance of compliance. (Rule 17-4.070(3), F.A.C.)
15. The permittee shall notify the Southwest District Office of the Department at least 15 days prior to the date on which each formal compliance test is to begin of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted. (Rule 17-2.700(2)(a)9., F.A.C.)
16. Submit for this facility, each calendar year, on or before March 1, an emission report for the preceding calendar year containing the following information pursuant to Section 403.061(13), Florida Statutes:
- (A) Annual amount of materials and/or fuels utilized.
  - (B) Annual emissions (note calculation basis).
  - (C) Any changes in the information contained in the permit application.
17. Issuance of this permit does not relieve the permittee from complying with applicable emission limiting standards or other requirements of Chapter 17-2, or any other requirements under federal, state, or local law. (Rule 17-2.210, F.A.C.)



**PERMITTEE:**

City of Lakeland Department of  
Electric and Water Utilities  
1000 East Parker St.  
Lakeland, FL. 33801

**PERMIT/CERTIFICATION**

Permit No: A053-175869  
County: Polk  
Expiration Date: 05/17/95  
Project: Charles Larsen  
Power Plant, Unit #4

**SPECIFIC CONDITIONS:**

18. Four applications to renew this operating permit shall be submitted to the Southwest District Office of the Department by March 18, 1995.

Issued this 30 day of  
April, 1992.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION



Dr. Richard D. Garrity  
Deputy Assistant Secretary  
4520 Oak Fair Boulevard  
Tampa, Florida 33610-7347  
Phone (813) 623-5561

## GENERAL CONDITIONS

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and are binding and enforceable pursuant to the authority of Section 403.141, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.
3. As provided in Subsections 403.087(6) and 403.712(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor infringement of federal, state or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in 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 or plant life or property caused by the construction or operation of this permitted source or from penalties therefore, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by any order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed 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 credential or other documents as maybe required by law and at reasonable times, access to the premises, where the permitted activity is located or conducted:

GENERAL CONDITIONS (con't):

7. (con't):

- a. Have access to and copy any records that must be kept under the conditions of the permit;
- b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department (17-6.130) with the following information:

- (a) a description of and cause of noncompliance; and
- (b) the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the Department, may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Section 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedures and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 17-4.120 and 17-30.300, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the department.

GENERAL CONDITIONS (con't):

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:

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

14. The permittee shall comply with the following:

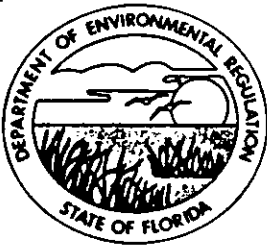
a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically, unless otherwise stipulated by the Department.

b. The permittee shall 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. These materials shall be retained at least three years from the date of the sample, measurement, report or application unless otherwise specified by Department rule.

c. Records of monitoring information shall include:

- the date, exact place, and time of sampling or measurement;
- the person responsible for performing the sampling or 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.



# Florida Department of Environmental Regulation

Southwest District • 4520 Oak Fair Boulevard • Tampa, Florida 33610-7347 • 813-623-5561

Bob Martinez, Governor

Dale Twachtman, Secretary

John Shearer, Assistant Secretary

Dr. Richard Garrity, Deputy Assistant Secretary

## NOTICE OF PERMIT

### STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION NOTICE OF PERMIT ISSUANCE

April 27, 1990

In the Matter of an Application  
for Permit by:  
Mr. Harlan C. Proctor, Superintendent  
City of Lakeland  
Department of Electric and Water Utilities  
Charles Larsen Power Plant - Unit No. 5  
2002 East U.S. Highway 92  
Lakeland, Florida 33801

DER File No. A053-175868  
Polk County

**RECEIVED**  
APR 30 1990

H. C. PROCTOR, Supt., Larsen Plant  
DEPT. OF ELECTRIC & WATER UTILITIES  
CITY OF LAKELAND  
LAKELAND, FLORIDA

Enclosed is Permit Number A053-175868 to Operate Unit #5 at the Charles Larsen Power Plant located at 2002 East U.S. Highway 92, Lakeland, issued pursuant to Section 403, Florida Statutes.

A person whose substantial interests are affected by this permit may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within 14 days of receipt of this permit. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. 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.

The Petition shall contain the following information;

(a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;

(b) A statement of how and when each petitioner received notice of the Department's action or proposed action;

(c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;

(d) A statement of the material facts disputed by Petitioner, if any;

(e) A statement of facts which petitioner contends warrants reversal or modification of the Department's action or proposed action;

(f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and

(g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

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 position taken by it in this permit. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of receipt of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

This permit is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070, F.A.C. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.

When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order 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 the Final Order is filed with the Clerk of the Department.

Executed in Tampa, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

*Gary A. Maier*

Gary A. Maier, BS ChE, JD  
4520 Oak Fair Boulevard  
Tampa, Florida 33610-7347  
Phone (813) 623-5561 x360

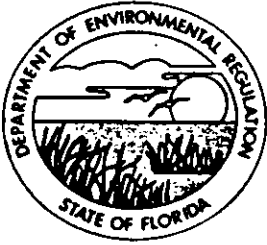
CERTIFICATE OF SERVICE  
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This is to certify that this NOTICE OF PERMIT and all  
copies were mailed before the close of business on  
APR 27 1990 to the listed persons.

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

*Marilyn Quispe*  
Clerk

APR 27 1990  
Date



# *Florida Department of Environmental Regulation*

Southwest District • 4520 Oak Fair Boulevard • Tampa, Florida 33610-7347 • 813-623-5561

Bob Martinez, Governor

Dale Twachtman, Secretary

John Shearer, Assistant Secretary

Dr. Richard Garrity, Deputy Assistant Secretary

## PERMITTEE:

City of Lakeland Department of  
Electric and Water Utilities  
1000 East Parker St.  
Lakeland, FL. 33801

## PERMIT/CERTIFICATION

Permit No: A053-175868  
County: Polk  
Expiration Date: 05/17/95  
Project: Charles Larsen  
Power Plant, Unit #5

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 17-2 & 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:

For Operation of the nominal 25 MW (electric) Steam Generator designated as Charles Larsen Memorial Power Plant Unit #5. This source is fired on No. 6 fuel oil with a maximum heat input of 300.5 MMBTU per hour, or natural gas with a maximum heat input of 320.8 MMBTU per hour.

Location: 2002 East U.S. Highway 92, Lakeland, Polk County

UTM: 17-409.0 E 3106.3 N NEDS NO: 0003 Point ID: 02

Replaces Permit No.: A053-99001



PERMITTEE:

City of Lakeland Department of  
Electric and Water Utilities  
1000 East Parker St.  
Lakeland, FL. 33801

PERMIT/CERTIFICATION

Permit No: A053-175868  
County: Polk  
Expiration Date: 05/17/95  
Project: Charles Larsen  
Power Plant, Unit #5

SPECIFIC CONDITIONS:

1. A part of this permit is the attached 15 General Conditions.
2. Visible Emissions shall not exceed 20% opacity except for one two-minute period per hour during which opacity shall not exceed 40%. (Rule 17-2.600(5)(a)1., F.A.C.).
3. Particulate Matter Emissions shall not exceed 0.1 pound per million Btu heat input. (Rule 17-2.600(5)(a)2., F.A.C.).
4. Sulfur Dioxide Emissions shall not exceed 2.75 pounds per million Btu heat input. (Rule 17-2.600(5)(a)3.a.(xi), F.A.C.).
5. Excess emissions from boiler cleaning (soot blowing) or load change are permitted provided that,
  - (A) the duration of such excess emissions shall not exceed 3 hours in any 24 hour period,
  - (B) the visible emissions shall not exceed 60% opacity,
  - (C) the particulate emissions shall not exceed an average of 0.3 pound per million BTU heat input during the 3 hour period,
  - (D) best operational practices to minimize emissions are adhered to, AND
  - (E) the duration of excess emissions shall be minimized. (Rule 17-2.250, F.A.C.)
6. The heat input rate shall not exceed 300.5 MM Btu per hour when burning fuel oil. The heat input rate shall not exceed 320.8 MM Btu per hour when burning natural gas. If fuel oil and natural gas are burned simultaneously in any combination, then the maximum permitted heat input rate shall be determined by proration.
7. This source is permitted to operate 24 hours/day, 7 days/week, and 52 weeks/year (8760 hours/year).

PERMITTEE:

City of Lakeland Department of  
Electric and Water Utilities  
1000 East Parker St.  
Lakeland, FL. 33801

PERMIT/CERTIFICATION

Permit No: AO53-175868  
County: Polk  
Expiration Date: 05/17/95  
Project: Charles Larsen  
Power Plant, Unit #5

SPECIFIC CONDITIONS:

8. Test the emissions, under both normal and soot blowing conditions, for the following pollutants at intervals of 12 months from the date November 8, 1990 and submit a copy of the test data to the Air Section of the Southwest District Office within forty-five days of such testing. Testing procedures shall be consistent with the requirements of Rule 17-2.700, F.A.C. The duration of each opacity test shall be 60 minutes. Opacity tests shall be conducted using DER Method 9.

- (X) Particulates \*
- (X) Sulfur Oxides \*\*
- ( ) Fluorides
- ( ) Nitrogen Oxides
- (X) Opacity
- ( ) Hydrocarbons
- ( ) Total Reduced Sulfur

\* An annual compliance test for particulate is not required for any fuel burning source that, in a federal fiscal year (October 1 - September 30), does not burn liquid or solid fuel, other than during startup, for a total of more than 400 hours.

\*\* A Fuel analysis of a representative fuel sample taken during the particulate compliance test and a calculation of the sulfur dioxide emission rate which is based upon the fuel analysis may be submitted in lieu of the required sulfur oxides emission test.

9. If the source is on cold standby when an annual compliance test is required by Specific Condition No. 8, then the compliance test may be postponed until after startup. Compliance testing shall be conducted within 30 days of startup. Testing, notification, and reporting, shall be consistent with all the requirements of Specific Conditions Nos. 8 through 15. The base date for future annual testing under Specific Condition No. 8 shall be automatically amended to the date of the compliance test conducted after startup.

10. Except as provided in Specific Conditions No. 11 or 12, compliance testing shall be conducted while burning fuel oil.

11. If the source is burning natural gas when a compliance test is required, then the compliance test may be conducted while burning natural gas.

12. If the source is burning a mixture of natural gas and fuel oil simultaneously when a compliance test is required, then the compliance test may be conducted while burning that mixture of natural gas and fuel oil simultaneously.

**PERMITTEE:**

City of Lakeland Department of  
Electric and Water Utilities  
1000 East Parker St.  
Lakeland, FL. 33801

**PERMIT/CERTIFICATION**

Permit No: A053-175868  
County: Polk  
Expiration Date: 05/17/95  
Project: Charles Larsen  
Power Plant, Unit #5

**SPECIFIC CONDITIONS:**

13. If the most recent compliance test was conducted pursuant to Specific Condition No. 11 or 12, and the fuel input is changed for a total of more than 15 days such that the percentage of total heat input derived from fuel oil increases by 10% or more (using the most recent compliance test as a basis), then the results from new compliance tests shall be submitted to the Air Section of the Southwest District Office within 45 days of the 15th day that the source is fired with the changed fuel input. (Rule 17-4.070(3), F.A.C.)

14. Compliance testing shall be conducted while operating within  $\pm 10\%$  of the maximum permitted heat input rate. A compliance test submitted at operating levels less than 90% of the maximum permitted heat input rate will automatically constitute an amended permit at the lesser rate until another test, showing compliance at a higher rate is submitted. The permittee shall submit a statement of the actual heat input rate as a part of each compliance test. Failure to include the actual heat input rate in the results may invalidate the tests and fail to provide reasonable assurance of compliance. (Rule 17-4.070(3), F.A.C.)

15. The permittee shall notify the Southwest District Office of the Department at least 15 days prior to the date on which each formal compliance test is to begin of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted. (Rule 17-2.700(2)(a)9., F.A.C.)

16. Submit for this facility, each calendar year, on or before March 1, an emission report for the preceding calendar year containing the following information pursuant to Section 403.061(13), Florida Statutes:

- (A) Annual amount of materials and/or fuels utilized.
- (B) Annual emissions (note calculation basis).
- (C) Any changes in the information contained in the permit application.

17. Issuance of this permit does not relieve the permittee from complying with applicable emission limiting standards or other requirements of Chapter 17-2, or any other requirements under federal, state, or local law. (Rule 17-2.210, F.A.C.)

**PERMITTEE:**

City of Lakeland Department of  
Electric and Water Utilities  
1000 East Parker St.  
Lakeland, FL. 33801

**PERMIT/CERTIFICATION**

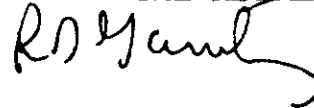
Permit No: AO53-175868  
County: Polk  
Expiration Date: 05/17/95  
Project: Charles Larsen  
Power Plant, Unit #5

**SPECIFIC CONDITIONS:**

18. Four applications to renew this operating permit shall be submitted to the Southwest District Office of the Department by March 18, 1995.

Issued this 27 day of  
April, 1995.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION



---

Dr. Richard D. Garrity  
Deputy Assistant Secretary  
4520 Oak Fair Boulevard  
Tampa, Florida 33610-7347  
Phone (813) 623-5561

## GENERAL CONDITIONS

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and are binding and enforceable pursuant to the authority of Section 403.141, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.
3. As provided in Subsections 403.087(6) and 403.712(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor infringement of federal, state or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in 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 or plant life or property caused by the construction or operation of this permitted source or from penalties therefore, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by any order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed 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 credential or other documents as maybe required by law and at reasonable times, access to the premises, where the permitted activity is located or conducted:

GENERAL CONDITIONS (con't):

7. (con't):

- a. Have access to and copy any records that must be kept under the conditions of the permit;
- b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department (17-6.130) with the following information:

- (a) a description of and cause of noncompliance; and
- (b) the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the Department, may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Section 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedures and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 17-4.120 and 17-30.300, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the department.

GENERAL CONDITIONS (con't):

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:

( ) Determination of Best Available Control Technology (BACT)

( ) Determination of Prevention of Significant Deterioration (PSD)

( ) Certification of Compliance with State Water Quality Standards (Section 401. PL 92-500)

( ) Compliance with New Source Performance Standards

14. The permittee shall comply with the following:

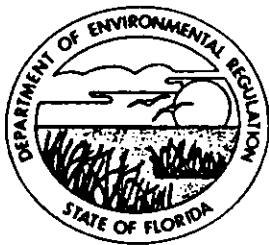
a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically, unless otherwise stipulated by the Department.

b. The permittee shall 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. These materials shall be retained at least three years from the date of the sample, measurement, report or application unless otherwise specified by Department rule.

c. Records of monitoring information shall include:

- the date, exact place, and time of sampling or measurement;
- the person responsible for performing the sampling or 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.



# *Florida Department of Environmental Regulation*

Southwest District • 4520 Oak Fair Boulevard • Tampa, Florida 33610-7347 • 813-623-5561

Bob Martinez, Governor

Dale Twachtman, Secretary

John Shearer, Assistant Secretary

Dr. Richard Garrity, Deputy Assistant Secretary

## NOTICE OF PERMIT

### STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION NOTICE OF PERMIT ISSUANCE

April 27, 1990

In the Matter of an Application  
for Permit by:

DER File No. A053-175871  
Polk County

Mr. Harlan C. Proctor, Superintendent  
City of Lakeland  
Department of Electric and Water Utilities  
Charles Larsen Power Plant - Unit No. 6  
2002 East U.S. Highway 92  
Lakeland, Florida 33801

Enclosed is Permit Number A053-175871 to Operate Unit #6 at the Charles Larsen Power Plant located at 2002 East U.S. Highway 92, Lakeland, issued pursuant to Section 403, Florida Statutes.

A person whose substantial interests are affected by this permit may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within 14 days of receipt of this permit. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. 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.

The Petition shall contain the following information;

(a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;

(b) A statement of how and when each petitioner received notice of the Department's action or proposed action;

(c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;



(d) A statement of the material facts disputed by Petitioner, if any;

(e) A statement of facts which petitioner contends warrants reversal or modification of the Department's action or proposed action;

(f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and

(g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

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 position taken by it in this permit. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of receipt of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

This permit is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070, F.A.C. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.

When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order 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 the Final Order is filed with the Clerk of the Department.

Executed in Tampa, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION.

*Gary A. Maier*

Gary A. Maier, BS ChE, JD  
4520 Oak Fair Boulevard  
Tampa, Florida 33610-7347  
Phone (813) 623-5561 x360

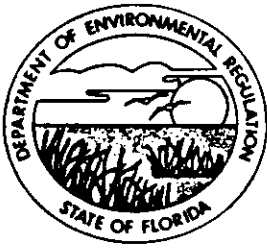
CERTIFICATE OF SERVICE  
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This is to certify that this NOTICE OF PERMIT and all  
copies were mailed before the close of business on  
APR 30 1990 to the listed persons.

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

*Marilyn Quispe*  
Clerk

APR 30 1990  
Date



## *Florida Department of Environmental Regulation*

Southwest District • 4520 Oak Fair Boulevard • Tampa, Florida 33610-7347 • 813-623-5561

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

Dr. Richard Garrity, Deputy Assistant Secretary

### PERMITTEE:

City of Lakeland Department of  
Electric and Water Utilities  
1000 East Parker St.  
Lakeland, FL. 33801

### PERMIT/CERTIFICATION

Permit No: A053-175871

County: Polk

Expiration Date: 05/17/95

Project: Charles Larsen

Power Plant, Unit #6

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 17-2 & 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:

For Operation of the nominal 25 MW (electric) Steam Generator designated as Charles Larsen Memorial Power Plant Unit #6. This source is fired on No. 6 fuel oil with a maximum heat input of 305.9 MMBTU per hour, or natural gas with a maximum heat input of 286.5 MMBTU per hour.

Location: 2002 East U.S. Highway 92, Lakeland, Polk County

UTM: 17-409.0 E 3106.3 N NEDS NO: 0003 Point ID: 03

Replaces Permit No.: A053-102240

PERMITTEE:  
City of Lakeland Department of  
Electric and Water Utilities  
1000 East Parker St.  
Lakeland, FL. 33801

PERMIT/CERTIFICATION  
Permit No: AO53-175871  
County: Polk  
Expiration Date: 05/17/95  
Project: Charles Larsen  
Power Plant,, Unit #6

SPECIFIC CONDITIONS:

1. A part of this permit is the attached 15 General Conditions.
2. Visible Emissions shall not exceed 20% opacity except for one two-minute period per hour during which opacity shall not exceed 40%. (Rule 17-2.600(5)(a)1., F.A.C.).
3. Particulate Matter Emissions shall not exceed 0.1 pound per million Btu heat input. (Rule 17-2.600(5)(a)2., F.A.C.).
4. Sulfur Dioxide Emissions shall not exceed 2.75 pounds per million Btu heat input. (Rule 17-2.600(5)(a)3.a.(xi), F.A.C.).
5. Excess emissions from boiler cleaning (soot blowing) or load change are permitted provided that,
  - (A) the duration of such excess emissions shall not exceed 3 hours in any 24 hour period,
  - (B) the visible emissions shall not exceed 60% opacity,
  - (C) the particulate emissions shall not exceed an average of 0.3 pound per million BTU heat input during the 3 hour period,
  - (D) best operational practices to minimize emissions are adhered to, AND
  - (E) the duration of excess emissions shall be minimized. (Rule 17-2.250, F.A.C.)
6. The heat input rate shall not exceed 305.9 MM Btu per hour when burning fuel oil. The heat input rate shall not exceed 286.5 MM Btu per hour when burning natural gas. If fuel oil and natural gas are burned simultaneously in any combination, then the maximum permitted heat input rate shall be determined by proration.
7. This source is permitted to operate 24 hours/day, 7 days/week, and 52 weeks/year (8760 hours/year).

PERMITTEE:

City of Lakeland Department of  
Electric and Water Utilities  
1000 East Parker St.  
Lakeland, FL. 33801

PERMIT/CERTIFICATION

Permit No: AO53-175871  
County: Polk  
Expiration Date: 05/17/95  
Project: Charles Larsen  
Power Plant, Unit #6

SPECIFIC CONDITIONS:

8. Test the emissions, under both normal and soot blowing conditions, for the following pollutants at intervals of 12 months from the date November 1, 1989 and submit a copy of the test data to the Air Section of the Southwest District Office within forty-five days of such testing. Testing procedures shall be consistent with the requirements of Rule 17-2.700, F.A.C. The duration of each opacity test shall be 60 minutes. Opacity tests shall be conducted using DER Method 9.

- (X) Particulates \*
- (X) Sulfur Oxides \*\*
- ( ) Fluorides
- ( ) Nitrogen Oxides
- (X) Opacity
- ( ) Hydrocarbons
- ( ) Total Reduced Sulfur

\* An annual compliance test for particulate is not required for any fuel burning source that, in a federal fiscal year (October 1 - September 30), does not burn liquid or solid fuel, other than during startup, for a total of more than 400 hours.

\*\* A Fuel analysis of a representative fuel sample taken during the particulate compliance test and a calculation of the sulfur dioxide emission rate which is based upon the fuel analysis may be submitted in lieu of the required sulfur oxides emission test.

9. If the source is on cold standby when an annual compliance test is required by Specific Condition No. 8, then the compliance test may be postponed until after startup. Compliance testing shall be conducted within 30 days of startup. Testing, notification, and reporting, shall be consistent with all the requirements of Specific Conditions Nos. 8 through 15. The base date for future annual testing under Specific Condition No. 8 shall be automatically amended to the date of the compliance test conducted after startup.

10. Except as provided in Specific Conditions No. 11 or 12, compliance testing shall be conducted while burning fuel oil.

11. If the source is burning natural gas when a compliance test is required, then the compliance test may be conducted while burning natural gas.

12. If the source is burning a mixture of natural gas and fuel oil simultaneously when a compliance test is required, then the compliance test may be conducted while burning that mixture of natural gas and fuel oil simultaneously.

**PERMITTEE:**

City of Lakeland Department of  
Electric and Water Utilities  
1000 East Parker St.  
Lakeland, FL. 33801

**PERMIT/CERTIFICATION**

Permit No: AO53-175871  
County: Polk  
Expiration Date: 05/17/95  
Project: Charles Larsen  
Power Plant, Unit #6

**SPECIFIC CONDITIONS:**

13. If the most recent compliance test was conducted pursuant to Specific Condition No. 11 or 12, and the fuel input is changed for a total of more than 15 days such that the percentage of total heat input derived from fuel oil increases by 10% or more (using the most recent compliance test as a basis), then the results from new compliance tests shall be submitted to the Air Section of the Southwest District Office within 45 days of the 15th day that the source is fired with the changed fuel input. (Rule 17-4.070(3), F.A.C.)
14. Compliance testing shall be conducted while operating within  $\pm 10\%$  of the maximum permitted heat input rate. A compliance test submitted at operating levels less than 90% of the maximum permitted heat input rate will automatically constitute an amended permit at the lesser rate until another test, showing compliance at a higher rate is submitted. The permittee shall submit a statement of the actual heat input rate as a part of each compliance test. Failure to include the actual heat input rate in the results may invalidate the tests and fail to provide reasonable assurance of compliance. (Rule 17-4.070(3), F.A.C.)
15. The permittee shall notify the Southwest District Office of the Department at least 15 days prior to the date on which each formal compliance test is to begin of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted. (Rule 17-2.700(2)(a)9., F.A.C.)
16. Submit for this facility, each calendar year, on or before March 1, an emission report for the preceding calendar year containing the following information pursuant to Section 403.061(13), Florida Statutes:
- (A) Annual amount of materials and/or fuels utilized.
  - (B) Annual emissions (note calculation basis).
  - (C) Any changes in the information contained in the permit application.
17. Issuance of this permit does not relieve the permittee from complying with applicable emission limiting standards or other requirements of Chapter 17-2, or any other requirements under federal, state, or local law. (Rule 17-2.210, F.A.C.)

PERMITTEE:

City of Lakeland Department of  
Electric and Water Utilities  
1000 East Parker St.  
Lakeland, FL. 33801

PERMIT/CERTIFICATION


Permit No: A053-175871  
County: Polk  
Expiration Date: 05/17/95  
Project: Charles Larsen  
Power Plant, Unit #6

SPECIFIC CONDITIONS:

18. Four applications to renew this operating permit shall be submitted to the Southwest District Office of the Department by March 18, 1995.

Issued this 30 day of  
April, 1995.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION



Dr. Richard D. Garrity  
Deputy Assistant Secretary  
4520 Oak Fair Boulevard  
Tampa, Florida 33610-7347  
Phone (813) 623-5561

## GENERAL CONDITIONS

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and are binding and enforceable pursuant to the authority of Section 403.141, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.
3. As provided in Subsections 403.087(6) and 403.712(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor infringement of federal, state or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in 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 or plant life or property caused by the construction or operation of this permitted source or from penalties therefore, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by any order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed 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 credential or other documents as maybe required by law and at reasonable times, access to the premises, where the permitted activity is located or conducted:



GENERAL CONDITIONS (con't):

7. (con't):

- a. Have access to and copy any records that must be kept under the conditions of the permit;
- b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department (17-6.130) with the following information:

- (a) a description of and cause of noncompliance; and
- (b) the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the Department, may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Section 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedures and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 17-4.120 and 17-30.300, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the department.

GENERAL CONDITIONS (con't):

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:

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

14. The permittee shall comply with the following:

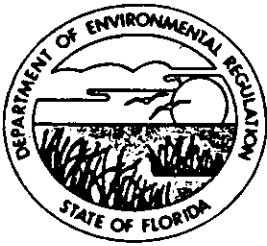
a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically, unless otherwise stipulated by the Department.

b. The permittee shall 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. These materials shall be retained at least three years from the date of the sample, measurement, report or application unless otherwise specified by Department rule.

c. Records of monitoring information shall include:

- the date, exact place, and time of sampling or measurement;
- the person responsible for performing the sampling or 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.



# *Florida Department of Environmental Regulation*

Southwest District • 4520 Oak Fair Boulevard • Tampa, Florida 33610-7347 • 813-623-5561

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

Dr. Richard Garrity, Deputy Assistant Secretary

## NOTICE OF PERMIT

### STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION NOTICE OF PERMIT ISSUANCE

April 27, 1990

In the Matter of an Application                      DER File No. A053-175870  
for Permit by:    Polk County  
Mr. Harlan C. Proctor, Superintendent  
City of Lakeland  
Department of Electric and Water Utilities  
Charles Larsen Power Plant - Unit No. 7  
2002 East U.S. Highway 92  
Lakeland, Florida 33801

Enclosed is Permit Number A053-175870 to Operate Unit #7 at the Charles Larsen Power Plant located at 2002 East U.S. Highway 92, Lakeland, issued pursuant to Section 403, Florida Statutes.

A person whose substantial interests are affected by this permit may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within 14 days of receipt of this permit. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. 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.

The Petition shall contain the following information;

(a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;

(b) A statement of how and when each petitioner received notice of the Department's action or proposed action;

(c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;

(d) A statement of the material facts disputed by Petitioner, if any;

(e) A statement of facts which petitioner contends warrants reversal or modification of the Department's action or proposed action;

(f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and

(g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

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 position taken by it in this permit. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of receipt of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

This permit is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070, F.A.C. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.

When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order 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 the Final Order is filed with the Clerk of the Department.

Executed in Tampa, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

*Gary A. Maier*

Gary A. Maier, BS ChE, JD  
4520 Oak Fair Boulevard  
Tampa, Florida 33610-7347  
Phone (813) 623-5561 x360

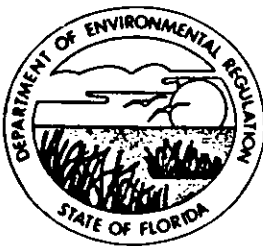
CERTIFICATE OF SERVICE  
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This is to certify that this NOTICE OF PERMIT and all  
copies were mailed before the close of business on  
APR 30 1990 to the listed persons.

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

*Marilyn Quispe*  
Clerk

APR 30 1990  
Date



## *Florida Department of Environmental Regulation*

Southwest District • 4520 Oak Fair Boulevard • Tampa, Florida 33610-7347 • 813-623-5561

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

Dr. Richard Garrity, Deputy Assistant Secretary

### PERMITTEE:

City of Lakeland Department of  
Electric and Water Utilities  
1000 East Parker St.  
Lakeland, FL. 33801

### PERMIT/CERTIFICATION

Permit No: A053-175870  
County: Polk  
Expiration Date: 05/17/95  
Project: Charles Larsen  
Power Plant, Unit #7

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 17-2 & 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:

For Operation of the nominal 50 MW (electric) Steam Generator designated as Charles Larsen Memorial Power Plant Unit #7. This source is fired on No. 6 fuel oil with a maximum heat input of 597.6 MMBTU per hour, or natural gas with a maximum heat input of 615.6 MMBTU per hour.

Location: 2002 East U.S. Highway 92, Lakeland, Polk County

UTM: 17-409.0 E 3106.3 N NEDS NO: 0003 Point ID: 04

Replaces Permit No.: A053-102239

PERMITTEE:

City of Lakeland Department of  
Electric and Water Utilities  
1000 East Parker St.  
Lakeland, FL. 33801

PERMIT/CERTIFICATION

Permit No: AO53-175870  
County: Polk  
Expiration Date: 05/17/95  
Project: Charles Larsen  
Power Plant, Unit #7

SPECIFIC CONDITIONS:

1. A part of this permit is the attached 15 General Conditions.
2. Visible Emissions shall not exceed 20% opacity except for one two-minute period per hour during which opacity shall not exceed 40%. (Rule 17-2.600(5)(a)1., F.A.C.).
3. Particulate Matter Emissions shall not exceed 0.1 pound per million Btu heat input. (Rule 17-2.600(5)(a)2., F.A.C.).
4. Sulfur Dioxide Emissions shall not exceed 2.75 pounds per million Btu heat input. (Rule 17-2.600(5)(a)3.a.(xi), F.A.C.).
5. Excess emissions from boiler cleaning (soot blowing) or load change are permitted provided that,
  - (A) the duration of such excess emissions shall not exceed 3 hours in any 24 hour period,
  - (B) the visible emissions shall not exceed 60% opacity,
  - (C) the particulate emissions shall not exceed an average of 0.3 pound per million BTU heat input during the 3 hour period,
  - (D) best operational practices to minimize emissions are adhered to, AND
  - (E) the duration of excess emissions shall be minimized. (Rule 17-2.250, F.A.C.)
6. The heat input rate shall not exceed 597.6 MM Btu per hour when burning fuel oil. The heat input rate shall not exceed 615.6 MM Btu per hour when burning natural gas. If fuel oil and natural gas are burned simultaneously in any combination, then the maximum permitted heat input rate shall be determined by proration.
7. This source is permitted to operate 24 hours/day, 7 days/week, and 52 weeks/year (8760 hours/year).

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Power Plant, Unit #7

SPECIFIC CONDITIONS:

8. Test the emissions, under both normal and soot blowing conditions, for the following pollutants at intervals of 12 months from the date December 6, 1989 and submit a copy of the test data to the Air Section of the Southwest District Office within forty-five days of such testing. Testing procedures shall be consistent with the requirements of Rule 17-2.700, F.A.C. The duration of each opacity test shall be 60 minutes. Opacity tests shall be conducted using DER Method 9.

- (X) Particulates \*
- (X) Sulfur Oxides \*\*
- ( ) Fluorides
- ( ) Nitrogen Oxides
- (X) Opacity
- ( ) Hydrocarbons
- ( ) Total Reduced Sulfur

\* An annual compliance test for particulate is not required for any fuel burning source that, in a federal fiscal year (October 1 - September 30), does not burn liquid or solid fuel, other than during startup, for a total of more than 400 hours.

\*\* A Fuel analysis of a representative fuel sample taken during the particulate compliance test and a calculation of the sulfur dioxide emission rate which is based upon the fuel analysis may be submitted in lieu of the required sulfur oxides emission test.

9. If the source is on cold standby when an annual compliance test is required by Specific Condition No. 8, then the compliance test may be postponed until after startup. Compliance testing shall be conducted within 30 days of startup. Testing, notification, and reporting, shall be consistent with all the requirements of Specific Conditions Nos. 8 through 15. The base date for future annual testing under Specific Condition No. 8 shall be automatically amended to the date of the compliance test conducted after startup.

10. Except as provided in Specific Conditions No. 11 or 12, compliance testing shall be conducted while burning fuel oil.

11. If the source is burning natural gas when a compliance test is required, then the compliance test may be conducted while burning natural gas.

12. If the source is burning a mixture of natural gas and fuel oil simultaneously when a compliance test is required, then the compliance test may be conducted while burning that mixture of natural gas and fuel oil simultaneously.



**PERMITTEE:**

City of Lakeland Department of  
Electric and Water Utilities  
1000 East Parker St.  
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**PERMIT/CERTIFICATION**

Permit No: A053-175870  
County: Polk  
Expiration Date: 05/17/95  
Project: Charles Larsen  
Power Plant, Unit #7

**SPECIFIC CONDITIONS:**

13. If the most recent compliance test was conducted pursuant to Specific Condition No. 11 or 12, and the fuel input is changed for a total of more than 15 days such that the percentage of total heat input derived from fuel oil increases by 10% or more (using the most recent compliance test as a basis), then the results from new compliance tests shall be submitted to the Air Section of the Southwest District Office within 45 days of the 15th day that the source is fired with the changed fuel input. (Rule 17-4.070(3), F.A.C.)
14. Compliance testing shall be conducted while operating within  $\pm 10\%$  of the maximum permitted heat input rate. A compliance test submitted at operating levels less than 90% of the maximum permitted heat input rate will automatically constitute an amended permit at the lesser rate until another test, showing compliance at a higher rate is submitted. The permittee shall submit a statement of the actual heat input rate as a part of each compliance test. Failure to include the actual heat input rate in the results may invalidate the tests and fail to provide reasonable assurance of compliance. (Rule 17-4.070(3), F.A.C.)
15. The permittee shall notify the Southwest District Office of the Department at least 15 days prior to the date on which each formal compliance test is to begin of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted. (Rule 17-2.700(2)(a)9., F.A.C.)
16. Submit for this facility, each calendar year, on or before March 1, an emission report for the preceding calendar year containing the following information pursuant to Section 403.061(13), Florida Statutes:
- (A) Annual amount of materials and/or fuels utilized.
  - (B) Annual emissions (note calculation basis).
  - (C) Any changes in the information contained in the permit application.
17. Issuance of this permit does not relieve the permittee from complying with applicable emission limiting standards or other requirements of Chapter 17-2, or any other requirements under federal, state, or local law. (Rule 17-2.210, F.A.C.)

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Permit No: A053-175870  
County: Polk  
Expiration Date: 05/17/95  
Project: Charles Larsen  
Power Plant, Unit #7

SPECIFIC CONDITIONS:

18. Four applications to renew this operating permit shall be submitted to the Southwest District Office of the Department by March 18, 1995.

Issued this 30 day of  
April, 1990.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION



Dr. Richard D. Garrity  
Deputy Assistant Secretary  
4520 Oak Fair Boulevard  
Tampa, Florida 33610-7347  
Phone (813) 623-5561

GENERAL CONDITIONS (con't):

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:

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

14. The permittee shall comply with the following:

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

b. The permittee shall 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. These materials shall be retained at least three years from the date of the sample, measurement, report or application unless otherwise specified by Department rule.

c. Records of monitoring information shall include:

- the date, exact place, and time of sampling or measurement;
- the person responsible for performing the sampling or 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.

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

No 149730

RECEIPT FOR APPLICATION FEES AND MISCELLANEOUS REVENUE

Received from

City of Oakland

Date

2/5/90

Address

Dollars \$

6000.00

Applicant Name & Address

same

Source of Revenue

4 Sources

Revenue Code

1032

Application Number

A053-175868/A053-175869

By

Carrie King

A053-175870  
A053-175871

ck 35842