



Department of Environmental Protection

Lawton Chiles
Governor

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Virginia B. Wetherell
Secretary

December 28, 1994

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Kevin Fullerton
Project Manager, Air Programs
Lake Cogen Limited
Post Office Box 2562
Tampa, Florida 33601

Dear Mr. Fullerton:

RE: Amendment to Construction Permit
AC 35-196459 [PSD-FL-176A]
Lake Cogen Limited

The Department has reviewed Ms. Gail C. Rampersaud's letter dated December 28, 1994, requesting an extension of the construction permit expiration date. The permit is amended as follows:

A. Expiration Date Extension;

From

December 30, 1994

To

March 31, 1995

B. Attachments to be Incorporated;

- KBN letter received December 28, 1994

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. 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. Petitions filed by the applicant of the amendment request/application and the parties listed below must be filed within 14 days of receipt of this amendment. Petitions filed by other persons must be filed within 14 days of the

Mr. Kevin Fullerton
AC 35-196459 [PSD-FL-176A]
Permit Amendment
December 28, 1994
Page 2 of 3

amendment issuance or within 14 days of their receipt of this amendment, whichever occurs first. 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 warrant 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;
- (g) A statement of the relief sought by petitioner, stating precisely the action the petitioner wants the Department to take with respect to the Department's action or proposed action.

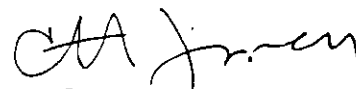
If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this amendment. Persons whose substantial interests will be affected by any decision of the Department with regard to the request/application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be

Mr. Kevin Fullerton
AC 35-196459 [PSD-FL-176A]
Permit Amendment
December 28, 1994
Page 3 of 3

filed (received) within 14 days of receipt of this amendment 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 letter amendment must be attached to Construction Permit No. AC 35-196459 (PSD-FL-176A), and shall become part of the permit.

Sincerely,


for Howard L. Rhodes
Director
Division of Air Resources
Management

HLR/CSL

Attachment

cc: C. Collins, CD
A. Zahm, CD
J. Harper, EPA
J. Bunyak, NPS
K. Kosky, KBN

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this AMENDMENT and all copies were mailed by certified mail before the close of business on 12-29-94 to the listed persons.

FILING AND AND ACKNOWLEDGMENT FILED,
on this date, pursuant to 120.52(11),
Florida Statutes, with the designated
Department Clerk, receipt of which is
hereby acknowledged.


Clerk

12-29-94
Date

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

- ☐ Addressee's Address
- ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:
Mr. Kevin Fullerton
Project Manager, Air Programs
Lake Cogen Limited
P. O. Box 2562
Tampa, FL 33601

4a. Article Number
P 872 563 678

4b. Service Type
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

7. Date of Delivery

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

5. Signature (Addressee)

6. Signature (Agent)

R. L. Blumley

PS Form 3811, December 1991

★U.S. GPO: 1992-323-402

DOMESTIC RETURN RECEIPT

Thank you for using Return Receipt Service.

P 872 563 678



Receipt for Certified Mail

No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

PS Form 3800, JUNE 1991

Sent to	
Mr. Kevin Fullerton, Lake	
Street and No.	
PO Box 2562 Cogen Ltd.	
P.O., State and ZIP Code	
Tampa, FL 33601	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	
Mailed: 12-29-94	
Permit: AC35-196459	
PSD-FL-176A	

Memorandum

Florida Department of
Environmental Protection

To : Howard Rhodes
From : Clair Fancy *Issued*
Date : December 28, 1994
Subject: Approval of Construction Permit Amendment
AC 35-196459 (PSD-FL-176A)
Lake Cogen Limited

Attached for your approval and signature is an amendment to a construction permit prepared by the Bureau of Air Regulation for the Lake Cogen Limited Facility. The purpose of this amendment is to extend the expiration date of the construction permit from December 30, 1994 to March 31, 1995.

This amendment is recommended for your approval and signature.

CF/CSL



Department of Environmental Protection

Lawton Chiles
Governor

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Virginia B. Wetherell
Secretary

August 3, 1994

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Kevin Fullerton
Project Manager, Air Programs
Lake Cogen Limited
Post Office Box 2562
Tampa, Florida 33601

Dear Mr. Fullerton:

RE: Amendment to Construction Permit
AC 35-196459 [PSD-FL-176A]
Lake Cogen Limited

The Department has reviewed Mr. Kennard F. Kosky's letter dated July 12, 1994, requesting an extension of the construction permit expiration date and a correction in the ppmvd for the combustion turbine (CT) CO emission limits while firing natural gas and distillate fuel oil. The CT CO emission limits were reduced in an amendment on March 10, 1994 without reducing the basis for these limits accordingly. Therefore, the permit is amended as follows:

A. Expiration Date Extension;

From

August 29, 1994

To

December 30, 1994

B. Specific Condition Number 1;

From

The maximum allowable emissions from this facility shall not exceed the emission rates listed in Table 1A.

To

The maximum allowable emissions from this facility shall not exceed the emission rates listed in Table 1B.

C. Attachments to be Incorporated;

- KBN letter received July 15, 1994
- DEP/Central District letter received July 20, 1994

"Protect, Conserve and Manage Florida's Environment and Natural Resources"

Printed on recycled paper.

Mr. Kevin Fullerton
AC 35-196459 [PSD-FL-176A]
Permit Amendment
August 3, 1994
Page 2 of 3

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. 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. Petitions filed by the applicant of the amendment request/ application and the parties listed below must be filed within 14 days of receipt of this amendment. Petitions filed by other persons must be filed within 14 days of the amendment issuance or within 14 days of their receipt of this amendment, whichever occurs first. 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 warrant 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;
- (g) A statement of the relief sought by petitioner, stating precisely the action the 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 amendment. Persons whose substantial interests will be affected by any decision of the Department with regard to the request/application have the right to petition to become a party to the proceeding. The petition must conform

Mr. Kevin Fullerton
AC 35-196459 [PSD-FL-176A]
Permit Amendment
August 3, 1994
Page 3 of 3

to the requirements specified above and be filed (received) within 14 days of receipt of this amendment 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 letter amendment must be attached to Construction Permit No. AC 35-196459 (PSD-FL-176A), and shall become part of the permit.

Sincerely,



Howard L. Rhodes
Director
Division of Air Resources
Management

HLR/CSL

Attachments

cc: C. Collins, CD
A. Zahm, CD
J. Harper, EPA
J. Bunyak, NPS
K. Kosky, KBN

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this AMENDMENT and all copies were mailed by certified mail before the close of business on 8/9/94 to the listed persons.

FILING AND AND ACKNOWLEDGMENT FILED,
on this date, pursuant to 120.52(11),
Florida Statutes, with the designated
Department Clerk, receipt of which is
hereby acknowledged.

 8/9/94
Clerk Date

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Mr. Kevin Fullerton
Project Manager, Air Programs
Lake Cogen Limited
Post Office Box 2562
Tampa, Florida 33601

4a. Article Number

P 872 562 695

4b. Service Type

- ☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

7. Date of Delivery

AUG 12 1994

5. Signature (Addressee)

6. Signature (Agent)

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

PS Form 3811, December 1991 ★U.S. GPO: 1992-323-402

DOMESTIC RETURN RECEIPT

Thank you for using Return Receipt Service.

P 872 562 695



Receipt for Certified Mail

No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

PS Form 3800, JUNE 1991

Sent to Mr. Kevin Fullerton	
Street and No. Post Office Box 2562	
P.O., State and ZIP Code Tampa, Florida 33601	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, and Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date Mailed: 8/9/94 AC 35-196459 PSD-FL-176A	

Attachment

FROM:

Table 1A. Lake Cogen Limited Allowable Emission Limits

Pollutant	Source ^a	Fuel ^b	Basis of Limit	Allowable Emission Limits			
				@ 59°F		Maximum Allowable @ 51°F ^f	
				lbs/hr	TPY	lbs/hr ^d	TPY ^e
NO _x ^c	CT	NG	BACT: 25 ppmvd at 15% O ₂	82.7	393.6	85.5	404.7
	CT	DFO	BACT: 42 ppmvd at 15% O ₂	143.9		148.3	
	DB	NG	BACT: 0.1 lb/MMBtu	18.0		18.0	
	CT&DB	NG		100.7		103.5	
CO	CT	NG	BACT: 42 ppmvd	54.6	350.3	56.0	350.3
	CT	DFO	BACT: 78 ppmvd	33.0		34.5	
	DB	NG	BACT: 0.2 lb/MMBtu	36.0		36.0	
	CT&DB	NG		90.6		92.0	
PM/PM10	CT	NG	BACT: 0.0065 lb/MMBtu	5.0	27.0	5.0	27.0
	CT	DFO	BACT: 0.026 lb/MMBtu	20.0		20.0	
	DB	NG	BACT: 0.006 lb/MMBtu	2.6		2.6	
	CT&DB	NG		7.6		7.6	
SO ₂	CT	DFO	Estab. by Applicant 0.1% S	80.0	21.0	87.6	21.0
VOC	CT	NG	Established by Applicant	3.3	30.8	3.4	30.8
	CT	DFO	Established by Applicant	8.3		8.7	
	DB	NG	Established by Applicant	5.4		5.4	
	CT&DB	NG		8.7		8.8	
Mercury(Hg)	CT	DFO	Established by Applicant	--	0.0003	--	0.0003
Lead(Pb)	CT	DFO	Established by Applicant	--	0.0008	--	0.0008
Beryllium(Be)	CT	DFO	Established by Applicant	--	0.0002	--	0.0002
Sulfuric Acid Mist	CT	DFO	Established by Applicant	--	0.80	--	0.80

^a CT = 2 combustion turbines, DB = 2 duct burners

^b NG = natural gas, DFO = distillate fuel oil

^c NO_x limits for 59°F are at 60% relative humidity (ISO conditions)

^d Compliance with the Maximum Allowable Emission Limits shall be demonstrated for CT limits and CT&DB limits.

^e The Maximum Allowable TPY of emissions, based on a worst case scenario, are the sum of the CT emissions while firing NG for 355 days, the CT emissions while firing DFO for 10 days, and DB emissions at the maximum heat input for the previous combinations of CT firing. The DB will only fire NG and only while the CT is firing NG.

^f These are the Maximum Allowable Emission Limits shall never be exceeded at any temperature and/or operating configuration.

Note: All temperatures cited in this table refer to turbine inlet temperatures.

TO: NEW:

Table 1B. Lake Cogen Limited Allowable Emission Limits

Pollutant	Source ^a	Fuel ^b	Basis of Limit	Allowable Emission Limits			
				@ 59°F		Maximum Allowable @ 51°F ^f	
				lbs/hr	TPY	lbs/hr ^d	TPY ^e
NO _x ^c	CT	NG	BACT: 25 ppmvd at 15% O ₂	82.7	393.6	85.5	404.7
	CT	DFO	BACT: 42 ppmvd at 15% O ₂	143.9		148.3	
	DB	NG	BACT: 0.1 lb/MMBtu	18.0		18.0	
	CT&DB	NG		100.7		103.5	
CO	CT	NG	BACT: 28 ppmvd	54.6	350.3	56.0	350.3
	CT	DFO	BACT: 18 ppmvd	33.0		34.5	
	DB	NG	BACT: 0.2 lb/MMBtu	36.0		36.0	
	CT&DB	NG		90.6		92.0	
PM/PM10	CT	NG	BACT: 0.0065 lb/MMBtu	5.0	27.0	5.0	27.0
	CT	DFO	BACT: 0.026 lb/MMBtu	20.0		20.0	
	DB	NG	BACT: 0.006 lb/MMBtu	2.6		2.6	
	CT&DB	NG		7.6		7.6	
SO ₂	CT	DFO	Estab. by Applicant 0.1% S	80.0	21.0	87.6	21.0
VOC	CT	NG	Established by Applicant	3.3	30.8	3.4	30.8
	CT	DFO	Established by Applicant	8.3		8.7	
	DB	NG	Established by Applicant	5.4		5.4	
	CT&DB	NG		8.7		8.8	
Mercury(Hg)	CT	DFO	Established by Applicant	--	0.0003	--	0.0003
Lead(Pb)	CT	DFO	Established by Applicant	--	0.0008	--	0.0008
Beryllium(Be)	CT	DFO	Established by Applicant	--	0.0002	--	0.0002
Sulfuric Acid Mist	CT	DFO	Established by Applicant	--	0.80	--	0.80

^a CT = 2 combustion turbines, DB = 2 duct burners

^b NG = natural gas, DFO = distillate fuel oil

^c NO_x limits for 59°F are at 60% relative humidity (ISO conditions)

^d Compliance with the Maximum Allowable Emission Limits shall be demonstrated for CT limits and CT&DB limits.


^e The Maximum Allowable TPY of emissions, based on a worst case senario, are the sum of the CT emissions while firing NG for 355 days, the CT emissions while firing DFO for 10 days, and DB emissions at the maximum heat input for the previous combinations of CT firing. The DB will only fire NG and only while the CT is firing NG.

^f These are the Maximum Allowable Emission Limits shall never be exceeded at any temperature and/or operating configuration.

Note: All temperatures cited in this table refer to turbine inlet temperatures.

Memorandum

Florida Department of
Environmental Protection

To : Howard Rhodes
From : Clair Fancy 
Date : August 3, 1994
Subject: Approval of Construction Permit Amendment
AC 35-196459 (PSD-FL-176A)
Lake Cogen Limited

Attached for your approval and signature is an amendment to a construction permit prepared by the Bureau of Air Regulation for the Lake Cogen Limited Facility. The purpose of this amendment is to extend the expiration date and to correct the basis for the limit column in Table 1A of the permit. An amendment to the permit on March 10, 1994 contained an error in the parts per million volumn dry of CO allowed. The correction is reflected in bold type in Table 1B.

This amendment is recommended for your approval and signature.

CF/CSL