

## DOCKETED

<b>Docket Number:</b>	82-AFC-02C
<b>Project Title:</b>	Kern River Cogeneration Application for Certification Compliance
<b>TN #:</b>	213032
<b>Document Title:</b>	Air Quality Condition of Certification Number 2 Pertaining to KCAPCD'S Determination of Compliance
<b>Description:</b>	Commission Order No. 88-1019-4(b)Approving Modification of Emission Sampling Limits
<b>Filer:</b>	Raquel Rodriguez
<b>Organization:</b>	California Energy Commission
<b>Submitter Role:</b>	Commission Staff
<b>Submission Date:</b>	8/30/2016 11:06:16 AM
<b>Docketed Date:</b>	8/30/2016

CALIFORNIA ENERGY COMMISSION  
6 NINTH STREET  
SACRAMENTO, CA 95814-5512

RECEIVED  
CALIFORNIA ENERGY COMMISSION  
ORDER NO. 88-1019-4(b)  
82 AFC - 2C 02 88



STATE OF CALIFORNIA

Energy Resources Conservation  
and Development Commission

DOCKET UNIT

In the Matter of:	)	Docket No. 82-AFC-2C
	)	P800-83-011
	)	Order Approving Amendments
Kern River Cogeneration Company's)	)	to Air Quality Condition
Kern River Cogeneration Project )	)	of Certification Number 2
	)	pertaining to KCAPCD's
	)	Determination of Compliance

Kern River Cogeneration Company (KRCC) has submitted several requests to amend the California Energy Commission (CEC) Decision for the Kern River Cogeneration Project (Omar Hills facility). The changes involve Air Quality Condition of Certification No. 2. Listed below are summaries of three of the requests to amend.

**Modify Hydrocarbon Control Efficiency**

Design Condition No. 9 in the Kern County Air Pollution Control District's (KCAPCD) Determination of Compliance (DOC) identifies the hydrocarbon minimum control efficiency for the "day" tanks as 99.99%. KRCC has requested this be changed from 99.99% to 99.9%. KRCC is requesting this change to match the required hydrocarbon control efficiency required of Texaco's well-casing vapor recovery system. This change was originally requested of KCAPCD KRCC on July 23, 1987. It was approved by KCAPCD on September 9, 1987.

**Modify Emission Sampling Limits and Align Compliance Testing Requirements with KCAPCD Policy/Procedure E-1801**

For emission sampling limits and compliance testing requirements in the DOC, KRCC is requesting the following:

1. Change the carbon monoxide (CO) and particulate emission sampling limits for each Combustion Turbine Generator/Heat Recovery Steam Generator (CTG/HRSG) to match the limits set by KCAPCD for the gas-fired case. CO emission limits were modified by KCAPCD to make provisions for the higher CO emission during startup and shutdown of the CTG's (392 lbm/day). This change does not result in impacts beyond those mitigation levels set in the original CEC Decision. Particulate limits were reduced because all testing indicated compliance at the lower limit (5 lbm/hr) and also because of regional particulate offset shortages. This change was originally requested of KCAPCD on

FORM OF SERVICE PROVIDED \_\_\_\_\_ FILED WITH  
ORIGINAL MAILED FROM SACRAMENTO ON 28 10/81

July 7, 1986. The changes were approved on September 2, 1987 by KCAPCD.

2. Align the emission compliance testing requirements with KCAPCD Policy/Procedure E-1801. Policy/Procedure E1801 requires that an adequate amount of emission testing (startup and annual) of thermally-enhanced oil recovery operations be conducted to provide proof of compliance with emission limits set by KCAPCD and to develop reliable emission factors. KCAPCD revised its compliance testing requirements as per Policy/Procedure E-1801. This change was originally requested of KCAPCD on January 15, 1988. A DOC was issued by KCAPCD approving this change on February 24, 1988.

These changes were not made during the siting process because this information was not available at the time.

**Modify DOC Project Description: Sections B, E, G & H**

KRCC is requesting approval of the following modifications to the DOC Project Description:

- Sec. B. "at 80% quality" be inserted after the word "production"

Note: Steam output in lbs/hour depends on the steam quality.

- Sec. E. "two 400 gpm demineralizers" changed to "two 600 gpm demineralizers"

Note: Final design specifications called for two 600 gpm demineralizer systems. Preliminary design specifications for two 400 gpm systems underestimated the demineralizer water requirement.

- Sec. G. "2 - 250 gpm unloading pumps" changes to "3 - 700 gpm unloading pumps"

Note: The 3 - 700 gpm pumps were specified to continuously pump fuel oil to the storage tanks at Omar Hill from the rail car unloading facility. Preliminary design specifications for two 250 gpm unloading pumps underestimated the pumping requirement.

- Sec. H. "3 - 250 gpm transfer pumps" changed to "3 - 325 gpm transfer pumps"

Note: The 3 - 325 gpm fuel oil transfer pumps were specified to pump fuel oil from the rail car unloading facility to the 270,000 barrel storage tank. Preliminary design specifications for three 250 gpm transfer pumps underestimated the pumping requirement.

These changes were originally requested of KCAPCD on July 7, 1986. A DOC was issued by KCAPCD approving these changes on February 24, 1988.

Staff concludes that the proposed amendments are noncontroversial in nature, and recommends Commission approval for the following reasons:

1. Staff has analyzed the request and concludes there would be no significant additional environmental impacts associated with approving the request;
2. Staff has requested comments from all interested parties, and has received no opposing comments from any interested party or agency;
3. The proposed change retains the intent of the Decision adopted by the Commission; and
4. The proposed change is based on information which was not reasonably or readily available to the parties prior to Commission certification.

#### CONCLUSION AND ORDER

The California Energy Commission adopts Staff's recommendation and findings as its own, and hereby Orders that the Kern River Cogeneration Project Decision, 82-AFC-2, Air Quality Condition of Certification No. 2 (specifically, the Kern County Air Pollution Control District's Determination of Compliance) be amended as follows:

#### Modify Hydrocarbon Control Efficiency

DOC Design Condition No. 9 should read:

9. All vapors displaced from 'day' tanks shall be collected in vapor control systems and incinerated in one or more CTG or existing steam generators through well vent vapor collection system(s) with minimum control efficiency of 99.9% (Rule 210.1).

#### Modify Emission Sampling Limits and Align Compliance Testing Requirements with KCAPCD policy procedure E-1801

DOC Emission Sampling Limits should read:

#### GAS-FIRED:

- |                  |   |
|------------------|---|
| Particulates     | - 5 lbm/hr (Rule 210.1 and 408)                         |
| Sulfur Compounds | - 0.5 lbm/hr (as SO <sub>2</sub> ) (Rule 210.1 and 408) |
|                  | - 0.6 lbm/hr (as SO <sub>4</sub> ) (Rule 210.1 and 408) |

Oxides of Nitrogen - 140 lbm/hr (as NO<sub>2</sub>) (Rule 210.1 and 408)  
Hydrocarbons - 12 lbm/hr (Rule 210.1)  
Carbon Monoxide - 392 lbm/day (Rule 210.1)

OIL-FIRED:

Particulate - 10 lbm/hr Rule (Rule 210.1 and 408)  
Sulfur Compounds - 70.8 lbm/hr (as SO<sub>2</sub>) (Rule 210.1 and 408)  
- 5.78 lbm/hr (as SO<sub>4</sub>) (Rule 210.1 and 408)  
Oxides of Nitrogen - 140 lbm/hr (as NO<sub>2</sub>) (Rule 210.1 and 408)  
Hydrocarbons - 12 lbm/hr (Rule 210.1)  
Carbon Monoxide - 140 lbm/hr (Rule 210.1)

DOC Compliance Testing Requirements should read:

Compliance with the above emission limit(s) during both gas and oil firing shall be demonstrated in accordance with District policy #E1801 by District witnessed and control officer approved sample collection within 60 days after startup of this equipment and yearly thereafter, and official test results, and field data, submitted within 30 days thereafter. (Rule 108.1)

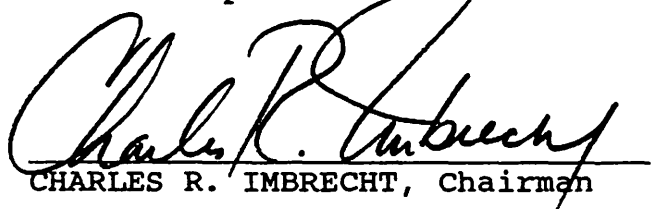
**Modify DOC Project Description: Sections B, E, G & H**

DOC Project Description, Sections B, E, G & H should read:

- B. Four unfired heat recovery steam generators (HRSG's), each rated at 450,000 lbm/hr steam production at 80% quality, one for each gas turbine engine assembly
- E. Two 600 gpm demineralizer systems to provide water to NO<sub>x</sub> control systems
- G. Railcar fuel oil unloading facility with 3-700 gpm, unloading pumps (shared with Sycamore facility), (previously approved)
- H. 270,000 bbl, 200 ft. dia., floating roof, fuel oil storage tank with liquid-mounted resilient primary seal and rim-mounted secondary seal and 3-325 gpm transfer pumps (APCD No. 4128006)

Date: October 19, 1988

Energy Resources Conservation  
and Development Commission

  
CHARLES R. IMBRECHT, Chairman

**CALIFORNIA ENERGY COMMISSION**5 NINTH STREET  
SACRAMENTO, CA 95814-5512

October 27, 1988

Kern River  
82-AFC-2CMr. C. O. Myers  
Kern River Cogeneration Company  
P.O. Box 80478  
Bakersfield, CA 93388

**RE: KRCC AMENDMENT TO THE CEC DECISION, 82-AFC-2:  
AIR QUALITY CONDITION OF CERTIFICATION NO. 2 - MODIFICATION OF THE  
KERN COUNTY AIR POLLUTION CONTROL DISTRICT'S DETERMINATION OF  
COMPLIANCE**

Dear Mr. Myers:

Attached you will find a copy of the California Energy Commission's (CEC) "Order Approving Amendments to Air Quality Condition of Certification Number 2 pertaining to KCAPCD's Determination of Compliance." This order approves the following requests from KRCC:

- o Modification of DOC Design Condition 9 (Hydrocarbon Control Efficiency);
- o Modification of DOC Emission Sampling Limits and Alignment of DOC Compliance Testing Requirements with KCAPCD's policy/procedure E1801; and
- o Modification of DOC Project Description Sections B, E, G & H.

On Wednesday, November 11, 1988, the remaining two amendments; Modification of Heat Input Rates and Modification of Operational Condition 'e' will be on the Business Meeting Agenda. Once an Order has been issued by the CEC on these two issues, I will forward a copy of that Order to you.

If you have any questions, please call me at (916) 323-8958.

Sincerely,

A handwritten signature in cursive script that reads "Sandra Fleischmann".

SANDRA FLEISCHMANN  
Compliance Project Manager  
Energy Facility Siting and  
Environmental Protection Division

Enclosure

cc: M. Soares, KRCC  
POS 82-AFC-2C

# AMENDMENT INFORMATION RESPONSE FORM

**RETURN TO: CALIFORNIA ENERGY COMMISSION  
COMPLIANCE UNIT  
1516 NINTH STREET, MS-2000  
SACRAMENTO, CA 95814**

*Ken W. Bosley*

NAME AND/OR TITLE (EXACTLY AS IT IS TO APPEAR ON MAIL LABEL)

*P O Box 585 , 14611 York Rd.*

ORGANIZATION (IF APPLICABLE)

*Sparks, Maryland 21152*

STREET ADDRESS OR P.O. BOX

CITY

STATE

ZIP CODE

## AMENDMENT TO CONDITION OF CERTIFICATION

**Project: Kern River Cogeneration Project**

**Docket No: 82-AFC-2C**

**Condition(s)\*:** 1-2

**\*Please circle the condition numbers you are interested in if more than one appears.**

# AMENDMENT INFORMATION RESPONSE FORM

**RETURN TO: CALIFORNIA ENERGY COMMISSION  
COMPLIANCE UNIT  
1516 NINTH STREET, MS-2000  
SACRAMENTO, CA 95814**

WILLIAM J. PIETRUCHA

NAME AND/OR TITLE (EXACTLY AS IT IS TO APPEAR ON MAIL LABEL)

ABB

ORGANIZATION (IF APPLICABLE)

4607 LAS LINDAS WAY

STREET ADDRESS OR P.O. BOX

CARMICHAEL,

CITY

CALIF

STATE

95608

ZIP CODE

## AMENDMENT TO CONDITION OF CERTIFICATION

**Project: Kern River Cogeneration Project**

**Docket No: 82-AFC-2C**

**Condition(s)\*: 1-2**


**\*Please circle the condition numbers you are interested in if more than one appears.**



California Energy Commission  
 AGENDA INPUT FORM (GENERAL)

SUBMIT 2  
 TYPED COPIES

CEC 36 (Rev. 4/81)

MINIMUM DUE DATES (A listing of Commission Business Meetings and Executive Office due dates is available from the Secretariat.)	Date Due to Executive Office: September 28, 1988
	Proposed Business Meeting Date: October 19, 1988
AGENDA ITEM DESCRIPTION (This description will be placed on the Notice and Agenda and mailed to the public.)  <u>Description:</u> (State the purpose clearly and briefly so anyone can understand the basic topic and action to be taken.)  COMMISSION APPROVAL of a request from the Kern River Cogeneration Company to amend the Kern River Cogeneration Project Decision to include revisions to Air Quality Condition of Certification No. 2. This amendment incorporates revisions of the Kern County Air Pollution Control Districts' Determination of Compliance, which was originally approved on June 14, 1983 and appended to the CEC Decision.	
Time needed for presentation: <u>0</u>	
Contact Person (Print or Type) SANDRA L. FLEISCHMANN	Telephone Number 3-8958
Specify audio-visual equipment required for presentation (Secretariat will make arrangements)  none	
Approved by Division Chief (signature) 	Approved by Executive Office (signature)
Date 9/28/88	<input checked="" type="checkbox"/> Consent <input type="checkbox"/> Discussion

Attachments (see reverse)

**KERN RIVER COGENERATION PROJECT**

**PROPOSED AMENDMENTS TO CEC DECISION  
(Docket 82-AFC-2)**

**BUSINESS MEETING:** October 19, 1988

**AGENDA ITEM NO:** \_\_\_ - Consent Calendar

**DIVISION:** Energy Facility Siting/Environmental Protection


**CONTACT PERSON:** Sandra Fleischmann, 3-8958

**ACTION REQUESTED:** Issuance of a Commission Order approving amendment of the Kern River Cogeneration Project Decision (Docket 82-AFC-2), Air Quality Condition of Certification No. 2 -specifically the Kern County Air Pollution Control District's (KCAPCD) Determination of Compliance (DOC).

**BACKGROUND & JUSTIFICATION:**

- o KCAPCD issued a DOC on June 14, 1983 for the Kern River Cogeneration Project. The DOC was appended to the CEC Decision under Air Quality Condition of Certification No. 2. KRCC has submitted requests to amend the DOC based on changes agreed upon by KCAPCD and KRCC. This agenda item covers three requests to amend the DOC, they are:
  - Modification of DOC Design Condition 9 (Hydrocarbon Control Efficiency) from 99.99% to 99.9%. 99.99% was a typographical error and 99.9% is the correct figure.
  - Modification of DOC Emission Sampling Limits and alignment of Compliance Testing Requirements with KCAPCD policy procedure E1801. Testing indicated changes in sampling limits were appropriate. Alignment of testing requirements with policy/procedure E1801 requires stricter APCD supervision of emission testing.
  - Modification of DOC Project Description Sections B, E, G & H. Preliminary design specification were underestimated and changes to these sections reflect final design specifications.
- o Staff analysis determined no significant additional adverse environmental impacts would result from these proposed amendments.

**POTENTIAL ISSUES:** None

  
\_\_\_\_\_  
ROBERT L. THERKELSEN,  
Division Chief  
September 30, 1988

# Memorandum

To : Siting & Regulatory Procedures Committee  
Robert Mussetter, Presiding Member  
Barbara Crowley, Member

Date September 30, 1988

Telephone: ATSS ( )  
( )



From : California Energy Commission -- Robert L. Therkelsen, Chief  
1516 Ninth Street Energy Facility Siting and  
Sacramento 95814-5512 Environmental Protection Division

Subject : ATTACHED ISSUE MEMO - KERN RIVER COGENERATION COMPANY, KERN RIVER  
COGENERATION PROJECT, AMENDMENTS TO AIR QUALITY CONDITION OF  
CERTIFICATION NO. 2

Attached for your information is a Staff Issue Memo regarding the modification of Air Quality Condition of Certification No. 2 for the Kern River Cogeneration Project Decision. We have submitted an agenda package to the Secretariat for Executive Office approval, requesting this item be placed on the October 19, 1988 Business Meeting Consent Calendar. We will notify you of any changes made to this package by the Executive Office.

Please let Sandra Fleischmann of my staff know by Tuesday, October 11, 1988 if you would like a briefing on this proposed amendment. If you do desire a briefing we recommend 2:00 p.m. on October 13, 1988.

attachment

# Memorandum

To : Stephen Rhoads,  
Executive Director

Date September 30, 1988

Telephone: ATSS ( )  
( )

Kern River  
82-AFC-2C

From : California Energy Commission - Robert L. Therkelsen, Chief  
1516 Ninth Street  
Sacramento 95814-5512  
Energy Facility Siting &  
Environmental Protection Division

Subject : KERN RIVER COGENERATION COMPANY, KERN RIVER COGENERATION PROJECT,  
AMENDMENTS TO AIR QUALITY CONDITION OF CERTIFICATION NO. 2

### COMMISSION ACTION REQUESTED

Staff concludes that the proposed modifications to the Commission Decision on the Kern River Cogeneration Company's, Kern River Cogeneration Project (82-AFC-2), are noncontroversial, and the Commission should:

Consider staff's analysis and recommendation and concurring, issue an order amending the Kern River Cogeneration Project, Decision 82-AFC-2 to include revisions to Air Quality Condition of Certification No. 2, pertaining to the Kern County Air Pollution Control District Determination of Compliance.

### PROJECT MANAGER

The staff contact for this item is Sandra Fleischmann, Compliance Project Manager, at 3-8958.

### SUMMARY

Kern River Cogeneration Company (KRCC) has submitted several requests to amend the California Energy Commission (CEC) Decision for the Kern River Cogeneration Project (Omar Hills facility). The changes involve Air Quality Condition of Certification No. 2. Listed below are summaries of three of the requests to amend submitted by KRCC.

#### **Modify Hydrocarbon Control Efficiency**

Design Condition No. 9 in the Kern County Air Pollution Control District's (KCAPCD) Determination of Compliance (DOC) identifies the hydrocarbon minimum control efficiency for the "day" tanks as 99.99%. KRCC has requested this be changed from 99.99% to 99.9%. KRCC is requesting this change to match the hydrocarbon control

Stephen Rhoads  
September 30, 1988  
Page 2

efficiency required of Texaco's well-casing vapor recovery system. This change was originally requested of KCAPCD on July 23, 1987. It was approved by KCAPCD on September 9, 1987.

**Modify Emission Sampling Limits and Align Compliance Testing Requirements with KCAPCD policy procedure E-1801**

For emission sampling limits and compliance testing requirements in the DOC, KRCC is requesting the following:

1. Increase the carbon monoxide (CO) and lower the particulate emission sampling limits for each Combustion Turbine Generator/Heat Recovery Steam Generator (CTG/HRSG) to match the limits set by KCAPCD for the gas-fired case. CO emission limits were modified by to make provisions for the higher CO emission during startup and shutdown of the CTG's (392 lbm/day). This change does not result in impacts beyond those mitigation levels set in the original CEC Decision. Particulate limits were reduced because all testing indicated compliance at the lower limit (5 lbm/hr) and also because of regional particulate offset shortages. This change was originally requested of KCAPCD on July 7, 1986. The changes were approved on September 2, 1987 by KCAPCD.
2. Align the emissions compliance testing requirements of the DOC with KCAPCD Policy/Procedure E-1801. Policy/Procedure E1801 requires that an adequate amount of emission testing (startup and annual) of thermally-enhanced oil recovery operations be conducted to provide proof of compliance with emission limits set by KCAPCD and to develop reliable emission factors. KCAPCD revised its compliance testing requirements as per Policy/Procedure E-1801. This change was originally requested of KCAPCD on January 15, 1988. A DOC was issued by KCAPCD approving this change on February 24, 1988.

These changes were not made during the siting process because this information was not available at the time.

**Modify DOC Project Description: Sections B, E, G & H**

KRCC is requesting approval of the following modifications to the DOC Project Description:

- Sec. B. "at 80% quality" be inserted after the word "production"  
  
Note: Steam output in lbs/hour depends on the steam quality.
- Sec. E. "two 400 gpm demineralizers" changed to "two 600 gpm demineralizers"

Note: Final design specifications called for two 600 gpm demineralizer systems. Preliminary design specifications for two 400 gpm systems underestimated the demineralizer water requirement.

Sec. G. "2 - 250 gpm unloading pumps" changes to "3 - 700 gpm unloading pumps"

Note: The 3 - 700 gpm pumps were specified to continuously pump fuel oil to the storage tanks at Omar Hill from the rail car unloading facility. Preliminary design specifications for two 250 gpm unloading pumps underestimated the pumping requirement.

Sec. H. "3 - 250 gpm transfer pumps" changed to "3 - 325 gpm transfer pumps"

Note: The 3 - 325 gpm fuel oil transfer pumps were specified to pump fuel oil from the rail car unloading facility to the 270,000 barrel storage tank. Preliminary design specifications for three 250 gpm transfer pumps underestimated the pumping requirement.

These changes were originally requested of KCAPCD on July 7, 1986. A DOC was issued by KCAPCD approving these changes on February 24, 1988.

#### ANALYSIS

On August 24, 1983, the CEC issued its Final Decision on the Kern River Cogeneration Project. Kern County Air Pollution Control District's Determination of Compliance (granted on June 14, 1983) was incorporated into the Final Decision under Air Quality Condition of Certification No. 2. Following are analyses of KRCC's proposed requests to amend the DOC.

#### **Modify Hydrocarbon Control Efficiency**

Design Condition No. 9 in the DOC identified the hydrocarbon minimum control efficiency for the 'day' tanks as 99.99%. On July 23, 1987, KRCC requested that the KCAPCD change the hydrocarbon minimum control efficiency 99.9% because it was overlooked when the DOC was reviewed. Changing the hydrocarbon control efficiency to 99.9% would match the required hydrocarbon efficiency of Texaco's well casing vapor recovery system. KCAPCD approved the change on

September 9, 1987. On June 17, 1988 KRCC filed a request to amend the CEC Decision to reflect the modification of DOC Design Condition No. 9.

Stephen Rhoads  
September 30, 1988  
Page 4

CEC engineering and environmental staff reviewed the requested modification and determined that there would be no significant additional adverse environmental impacts associated with approving the request.

Interested parties have been notified of KRCC's proposed modification and no comments have been received.

Based on staff's analysis, the CEC Decision should be amended so that DOC Design Condition No. 9 reads as follows:

9. All vapors displaced from 'day' tanks shall be collected in vapor control systems and incinerated in one or more CTG or existing steam generators through well vent vapor collection system(s) with minimum control efficiency of 99.9% (Rule 210.1).

**Modify Emission Sampling Limits and Align Compliance Testing Requirements with KCAPCD Policy/Procedure E-1801**

1. Emission Sampling Limits in the original DOC set limits for particulates at 10 lbm/hr and carbon monoxide (CO) at 21 lbm/hr. On July 7, 1986 KRCC requested that KCAPCD lower the particulate limits to 5 lbm/hr because all testing indicated compliance is possible at at 5 lbm/hr. KRCC also requested CO limits be modified to 392 lbm/day to make provisions for high CO emission during startup and shutdown of the combustion turbine generators. KCAPCD approved the changes on September 2, 1987.
2. Compliance Testing Requirements in the original DOC did not reflect KCAPCD Policy/Procedure E-1801, which requires that an adequate amount of emission testing be conducted to provide proof of compliance with emission limits established by KCAPCD. On January 15, 1988 KRCC requested that KCAPCD align the Compliance Testing Requirements section of the DOC with KCAPCD Policy/Procedure E-1801. KCAPCD approved the change on February 4, 1988.

On July 7, 1988 KRCC filed a request to amend the CEC Decision to reflect the modification of the DOC Emission Sampling Limits and Compliance Testing Requirements because the information was not available during the siting process.

CEC engineering and environmental staff reviewed the requested modification and determined that there would be no significant additional adverse environmental impacts associated with approving the request.

Stephen Rhoads  
September 30, 1988  
Page 5

Interested parties have been notified of KRCC's proposed modification and no comments have been received.

Based on staff's analysis, the CEC Decision should be amended as follows:

1. The DOC Emission Sampling Limits be changed as follows:

GAS-FIRED:

Particulates	- 5 lbm/hr (Rule 210.1 and 408)
Sulfur Compounds	- 0.5 lbm/hr (as SO <sub>2</sub> ) (Rule 210.1 and 408)
	- 0.6 lbm/hr (as SO <sub>4</sub> ) (Rule 210.1 and 408)
Oxides of Nitrogen	- 140 lbm/hr (as NO <sub>2</sub> ) (Rule 210.1 and 408)
Hydrocarbons	- 12 lbm/hr (Rule 210.1)
Carbon Monoxide	- 392 lbm/day (Rule 210.1)

OIL-FIRED:

Particulate	- 10 lbm/hr Rule (Rule 210.1 and 408)
Sulfur Compounds	- 70.8 lbm/hr (as SO <sub>2</sub> ) (Rule 210.1 and 408)
	- 5.78 lbm/hr (as SO <sub>4</sub> ) (Rule 210.1 and 408)
Oxides of Nitrogen	- 140 lbm/hr (as NO <sub>2</sub> ) (Rule 210.1 and 408)
Hydrocarbons	- 12 lbm/hr (Rule 210.1)
Carbon Monoxide	- 140 lbm/hr (Rule 210.1)

2. The Compliance Testing Requirements should be changed as follows:

Compliance with the above emission limit(s) during both gas and oil firing shall be demonstrated in accordance with District policy #E1801 by District witnessed and control officer approved sample collection within 60 days after startup of this equipment and yearly thereafter, and official test results, and field data, submitted within 30 days thereafter. (Rule 108.1)

**Modify DOC Project Description: Sections B, E, G & H**

Sections B, E, G & H of the DOC Project Description originally read as follows:

- Sec. B. Four unfired heat recovery steam generators (HRSG's), each rated at 450,000 lbm/hr steam production, one for each gas turbine engine assembly
- Sec. E. Three 250 gpm flash evaporators or two 400 gpm demineralizers to provide steam or water, respectively to injection systems



Stephen Rhoads  
September 30, 1988  
Page 6

- Sec. G. Railcar fuel oil unloading facility with 2-250 gpm, unloading pumps
- Sec. H. 270,000 bbl, 200 ft. dia., floating roof, fuel oil storage tank with liquid-mounted resilient primary seal and rim-mounted secondary seal and 3-250 gpm transfer pumps (APCD No. 4128006)

On July 7, 1986 KRCC requested that the KCAPCD modify Sections B, E, G & H of the DOC Project Description. Modification of Section B was requested because steam output in lbs/hour depends on the steam quality. Modification of Sections E, G & H was requested because preliminary design specifications were underestimated during the siting process. KCAPCD approved the requested modifications on February 24, 1988. On July 16, 1988 KRCC filed a request to amend the CEC Decision to reflect modification of Sections B, E, G & H of the DOC Project Description.

CEC engineering and environmental staff reviewed the requested modification and determined that there would be no significant additional adverse environmental impacts associated with approving the request.

Interested parties have been notified of KRCC's proposed modification and no comments have been received.

Based on staff's analysis, the CEC Decision should be amended so DOC Project Description, Sections B, E, G & H read as follows:

- Sec. B. Four unfired heat recovery steam generators (HRSG's), each rated at 450,000 lbm/hr steam production at 80% quality, one for each gas turbine engine assembly
- Sec. E. Two 600 gpm demineralizer systems to provide water to NOx control systems
- Sec. G. Railcar fuel oil unloading facility with 3-700 gpm, unloading pumps (shared with Sycamore facility), (previously approved)
- Sec. H. 270,000 bbl, 200 ft. dia., floating roof, fuel oil storage tank with liquid-mounted resilient primary seal and rim-mounted secondary seal and 3-325 gpm transfer pumps (APCD No. 4128006)

#### CEQA REQUIREMENTS

The CEC's power plant NOI-AFC process is a California Environmental Quality Act (CEQA) "Certified Regulatory Program" as set out in Public Resources Code Section 21080.5. This means that the CEC's

Stephen Rhoads  
September 30, 1988  
Page 7

NOI-AFC process is the functional equivalent of the Environmental Impact Report (EIR) process.

In the CEC process, where the changes to the project affect or modify the Conditions of Certification, staff prepares an amendment, containing its analysis and findings, for Commission consideration. The amendment process also serves as the functional equivalent of the process to supplement and revise EIRs under CEQA.

Under CEQA, an additional document is not required unless substantial changes are proposed to the project which would require major revisions of the original CEQA document, or substantial changes occur in the circumstances under which the project is being undertaken. (See Public Resources Code Section 21166; Title 14, California Code of Regulations Sections 15162-15164.)

Staff concludes the proposed changes in this matter do not affect the original conclusions in the Decision, and therefore no subsequent or supplemental CEQA-equivalent document is required.

#### RECOMMENDATION

Staff concludes that the proposed amendments are noncontroversial in nature, and recommends Commission approval for the following reasons:

1. Staff has analyzed the request and concludes there would be no significant additional environmental impacts associated with approving the request;
2. Staff has requested comments from all interested parties, and has received no opposing comments from any interested party or agency;
3. The proposed change retains the intent of the Decision adopted by the Commission; and
4. The proposed change is based on information which was not reasonably or readily available to the parties prior to Commission certification.



---

ROBERT L. THERKELSEN, Chief  
Energy Facility Siting and  
Environmental Protection Division

AMENDMENT CONTROL LOG

Subject: Kern River CPM: S. Fleischmann Docket Date: 8/3/88  
C/M Log #: 88-1159 (a-g) Subject: Modify Project Description; B, E, G + H  
Date to Staff for Review: 8/5/88 Req. Return Date: 8/19/88 (AQ 8/26/88)  
Actual Staff Return Date: (see matrix) POS Notice Date: 9/9/88  
CPM Estimated Time to Completion: \_\_\_\_\_

<u>Review &amp; Signature</u>	<u>Date</u>	<u>Review &amp; Signature</u>	<u>Date</u>
CPM	<u>9/27</u>	R. Haussler	<u>9/29</u>
M. Schrecongost	<u>9/27</u>	LICENSEE	<u>—</u>
J. Ogata	<u>9/27</u>	R. Therkelsen	<u>10/3</u>
N. Wilson	<u>9/28</u>	S. Rhoads	<u>—</u>
R. Strand	<u>NA - ND Eng Issues</u>	Other _____	<u>—</u>

Comments \_\_\_\_\_

Date Agenda Input form to Secretariat: 9/28/88  
Date Issue Memo to Executive Office: dated: 9/30 to E.O. 10/3/88  
Committee Briefing: declined Business Meeting Date: 10/19/88  
Date Order signed: 10/19/88 Consent  Regular \_\_\_\_\_  
Date Licensee notified by letter with copy of Order: 10/27/88

COMPLIANCE UNIT SECRETARY WILL COMPLETE THE FOLLOWING ITEMS:

Date copies of Order distributed:  
Original Order to Dockets: 10/31/88  
Library (2): 11/7/88 Publications: 11/8/88  
Mailing and POS Lists: 10/31/88 All technical seniors (8): 11/8/88  
Affected technical staff (CPM to ID): K. Golden - 11/8/88  
Elapsed Time: Docket date 8/3/88 Date Order signed 10/27/88  
Total Days: ~ 3 months

ATTACH ADDITIONAL SHEETS FOR COMMENTS IF NECESSARY

AMENDMENT: Modify Project Description - Appendix B: B, E, G & H

C/M LOG #: 88-1159 (a-g)

DOCKET DATE: 8-3-88

DATE TO STAFF: 8-5-88

DUE DATE TO CPM: 8-19-88

8-26-88 - AQ

SENIOR (Technical Areas)	DATE COMMENTS RECEIVED	AGREE WITH PROPOSAL	DISAGREE WITH PROPOSAL	ADDITIONAL DATA REQUIRED	COMMENTS
(a) T. Rygg	8/31	X			
(b) K. Matthews	8/12	X			
(c) Z. Bohrer	8/8	X			
(d) J. Brownell	8/8	X			
(e) B. Julian	8/10	X			
(f) S. Baker	8/12	X			
(g) A. McCuen	8/26	X			
(h) W. Reid		N/A			

April 7, 2004	Commission Order (04-0407-03) allowing for either cogeneration or simple-cycle operation of Units 3 and 4.	TN 31293
February 9, 2000	Commission Order (00-0209-05) approving modification to Air Quality Condition of Certification AQ-2 to remove the one-hour concentration emission limit for NOx.	TN 13823
July 29, 1998	Commission Order (98-0729-2) approving change in NOx Emissions Limit in AQ-18.	TN 9174
October 6, 1997	Staff Approved Project Modification letter approving addition of covered parking.	
February 1, 1995	Commission Order (95-0201-02a) approving modification of operating characteristics and exclude oil-fired backup.	
May 25, 1994	Staff Approved Project Modification letter approving addition of reverse osmosis unit.	
July 28, 1993	Commission Order (93-0728-03a) approval to add maintenance shop.	
May 24, 1989	Commission Order (89-0524-08a) approving clarification of shutdown of steam generators.	
November 02, 1988	Commission Order (88-1102-3b) approving modification of gas turbine heat input rates.	
October 19, 1988	Commission Order (88-1019-4b) approving modification of emission sampling limits.	
December 3, 1987	Commission Order (87-1202-02) Clarifying of Energy Commission jurisdiction over transmission tapline and substation.	

**FOR QUESTIONS ABOUT THIS PROJECT, PLEASE CONTACT:**

**ENERGY COMMISSION COMPLIANCE PROJECT MANAGER**

Mary Dyas  
 Compliance Project Manager  
 Siting, Transmission and Environmental Protection (STEP) Division  
 California Energy Commission  
 1516 Ninth Street, MS-2000  
 Sacramento, CA 95814  
 Phone: (916) 651-8891  
 E-mail: [mary.dyas@energy.ca.gov](mailto:mary.dyas@energy.ca.gov)

**FACILITY CONTACT**

Carolyne M. Grant  
 Asset Manager  
 Phone: (661) 615-4630  
 E-mail: [corourke@chevron.com](mailto:corourke@chevron.com)