

DOCKET

05-AFC-1

DATE

RECD. **JAN 30 2005**

Supplemental Air Quality Testimony

for the

Application for Certification Pastoria Energy Facility Expansion Project 05-AFC-1

Submitted to the
California Energy Commission
January 30, 2006

Submitted by
Pastoria Energy Facility, LLC

Supplemental Air Quality Testimony

Exhibit 5Y

As discussed in Section II of the previously filed Air Quality testimony, Applicant is proposing clarifying changes to Conditions AQ-44 and AQ-45 and to Appendix A of the proposed Air Quality conditions to conform the Commission's Conditions to a revision of the corresponding conditions in the Final Determination of Compliance regarding the calculation technique used to determine the inter-pollutant trading ratio used in this case for PM₁₀ offsets. The proposed changes also correct two typographical errors that were identified in the District's original conditions, and update the identification of one of the ERC certificates (S-2165-2 was split from S-1554-2, which was surrendered). The proposed amended conditions are shown below, and revised Appendix A is attached.

AQ-44 ERC Certificate Numbers ~~S-1554-2~~ and ~~S-2165-2~~, S-1543-2 and ~~C-481-2~~ (or certificates split from these certificates) shall be used to supply the required NO_x and PM10 offsets, ERC Certificate Number ~~S N-444-1~~ and S-1666-1 (or a certificates split from these certificates) shall be used to supply the required VOC offsets and ERC Certificate Number ~~S-1334-5~~ S-1344-5 (or a certificate split from this certificate) shall be used to supply the required SO_x, unless a revised offsetting proposal is received and approved by the District, upon which this Determination of Compliance shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this Determination of Compliance. [District Rule 2201]

Verification: At least 60 days prior to commencing GTE first fire, the project owner shall surrender the identified ERC certificates and in the

amounts shown in **AQ-43** to the District and provide documentation of that surrender to the CPM. Changes to the offsetting proposal must be provided to the District and CPM for review, public noticing, and approval.

AQ-45 NO_x ERCs may be used to offset PM10 emission increases at a ratio of ~~2.22~~ 3.33 lb NO_x : 1 lb PM10. ~~for reductions occurring within 15 miles of this facility, and at 2.72 lb NO_x: 1 lb PM10 for reductions occurring greater than 15 miles from this facility~~
[District Rule 2201]

Verification: At least 60 days prior to commencing GTE first fire, the project owner shall surrender ERC certificates to the District and provide documentation of that surrender to the CPM, which confirms that the interpollutant offset ratios prescribed in **AQ-45** have been met.

Revised Appendix A

Emissions Reduction Credit requirement

Condition of Certification AQ-SC7 Required Emission Reduction Credits

Offset Source Location	Credit Number	Date of Reduction	Total Q1 (lb)	Total Q2 (lb)	Total Q3 (lb)	Total Q4 (lb)
NOx Emission Reduction Credits						
Section 16, Township 27S, Range 28E, Heavy Oil Central Stationary Source	S-2165-2 ^a	Pre-1990	<u>32,968</u>	<u>44,866</u>	<u>48,949</u>	<u>39,009</u>
	S-1554-2		<u>49,372</u>	<u>52,008</u>	<u>50,035</u>	<u>49,586</u>
Elk Hills Gas Plant, Kern County	S-1543-2	12/05/1990	10,354	8,381	11,018	11,467
Heavy Oil Production Fields, Fresno County	C-481-2	<u>03/01/1992</u>	<u>16,404</u>	<u>7,142</u>	<u>1,086</u>	<u>10,577</u>
VOC Emission Reduction Credits						
757 11 th Street, Tracy	N-444-1	1/31/1998	10,996	11,118	11,241	<u>11,241</u> <u>41,232</u>
526 Mettler Frontage Rd. East	S-1666-1	Post-1990	0	0	0	9
PM10 Emission Reduction Credits (NOx for PM10)						
Section 16, Township 27S, Range 28E, Heavy Oil Central Stationary Source	S-2165-2 ^a	Pre-1990	<u>64,735</u>	<u>65,454</u>	<u>66,174</u>	<u>66,174</u>
	S-1554-2		<u>52,877</u>	<u>53,464</u>	<u>54,052</u>	<u>54,052</u>

SOx Emission Reduction Credits					
Midway Premier Lease Section 32, Township 27S, Range 27E	S-1344-5	Post-1990	11,324	11,450	11,575
Note: a. Certificate S-2165-2 has been split from Certificate S-1-554-2, which has been surrendered.					

STATE OF CALIFORNIA

Energy Resources Conservation
and Development Commission

In the Matter of:)
)
Application for Certification for the Pastoria Energy) Docket No. 05-AFC-1
Facility (PEF) 160 MW Expansion by Calpine)
Corporation)
_____)

PROOF OF SERVICE

I, Travis Merlo, declare that on January 30, 2006, I deposited copies of the attached *Applicant's Supplemental Air Quality Testimony* in the United States mail in Sacramento, California, with first-class postage thereon fully prepaid and addressed to all parties on the attached service list.

I declare under the penalty of perjury that the foregoing is true and correct.



Travis Merlo

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05-AFC-1

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