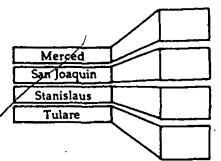


# San Joaquin Valley Unified Air Pollution Control District

2314 Mariposa Street Fresno, California 93721 -(209) 488-3330 FAX (209) 488-3134



ISSUE DATE:

March 30, 1992

CERTIFICATE NO. 4013003/101/201/ 301/401/601

DATE: July 9, 1991

EMISSION REDUCTION CERTIFICATE IS HEREBY GRANTED TO:

SHELL WESTERN E&P, INC.

ACTUAL I	HISTORICAL E	ERC:					
Pollutant:		PM10	504	S02	NO2	со	•
Amount: lbm/day	1st Qtr 2nd Qtr 3rd Qtr 4th Qtr	10.06 1172 5.49 4.68	6.42 7.47 3.50 2.98	283.57 330.26 154.80 131.81	61.32 71.42 33.47 28.50	0.81 0.94 0.44 0.37	• •
S	T	Location Centr		unty Oilfield	is		

**EMISSION REDUCTION CREDIT ACHIEVED BY:** 

Conversion to gas-fired only of one oilfield steam generator.

PARTIALLY CONSUMED

5-259-2,3,4,5 SWED1

5-261-2,4 BEAR MOSTANT UM17ED

anager of Engineering Evaluation

Validation Signature:

#### PROOF OF PUBLICATION

State of California ss County of Kern

I am a citizen of the United States and a resident of the County aforesaid: I am over the age of 18 years, and not a party to or interested in the above entitled matter. I am the assistant principal clerk of the printer of The Bakersfield Californian, a newspaper of general circulation, printed and published daily in the City of Bakersfield, county of Kern, and which newspaper has been adjudged a newspaper of general circulation by the Superior Court of the County of Kern, State of California, under date of February 5, 1952, Case Number 57610; that the notice, of which the annexed is a printed copy, has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to wit:

2/6

all in the year 1992

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

Signature

Dated at Bakersfield, Ca FEBRUARY 4, 1992

ROSLYN T. WILLIAMS

Proof of Publication of:

5762

#### REQUEST FOR PUBLIC COMMENT

(IC REQUEST FOR PURLIC COMMENT ON PROPOSED STATEMARY SOURCE SEMESIONS REDUCTION CREATS (SEC.)

Pursuot to Rule 200.1 of the Kern Zune of the San Joseph. Valley Unified Air Pollution Control District: Rules and Regulations, the the Air Pollution Custral Officer has made a preliminary decision to approve contestons reduction credits for Fis-1a, Bot, Std., Nick, and CO resulting from Convention of 11 Official Steam Generators to Gas-Fired Only by Shell Western EkP. Yan. at Mt. Pose and Kern River Official. 1988 [8]

Public comments regarding the expected air quality impact of this project will be received by the District for a period of thirty (30) days after the publication of this notice and will receive due consideration before final action is tak-

The application for emissions reductions creditin, support doctions and the District's attements and the District's attement and statement for the projects sens support of the sens sens support of the District's office with Lames Erichmen located at 2700 '48" Street, Suits 278, Baberssield, California 18301, (808) 803-802.

February 5, 1822 (8762)



PROOF OF PUBLICATION

# SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT EMISSIONS REDUCTIONS FOR DEPOSIT IN COMMUNITY BANK

To: Zone, SJVUAPCD	Date: 3/30/92
Attn: PLY	•
From: Zone, SJVUAPCD	
Zone Contact: Lance	Phone: X650
RE: EMISSIONS REDUCTIONS FOR DEPOSIT IN THE CO	MMUNITY BANK:
Describe Action Generating Credits: Conversion	of 50 to Gas Fredon
Company Name: 500	
ATC No:(If Applicable)  ERC No: 40/30/3/10/201/301/40/60 ( [If Applicable]	
ERC No: 4013003/101 (If Applicable)	
Date Reductions Occurred: 3/30/92	

The above referenced action has generated emissions reduction credits which are to be included in the Community Bank. Please include the following amounts, expressed in average daily credits for each calendar quarter, in the Community Bank registry:

AVERAGE DAILY EMISSIONS REDUCTION CREDITS (lbs/day)

	ALEIDIGE DAIL	er gillioolollo li				-2
QUARTER	VOC	NOX	CO	PM10	SOFZ	14
187	-	6.81	0.09	1,12	31.51	<i>a7</i> ,
2 <sup>ND</sup>	-	7.94	0.10	1.30	36.70	b.8
3 MD	-	3.72	1,05	0.61	17,20	٥،3
4 <sup>TH</sup>		3.17	0,04	0,52	14.65	0,3

# RANDALL L. ABBOTT DIRECTOR

DAVID PRICE III ASSISTANT DIRECTOR



Air Pollution Control District
WILLIAM J. RODDY, APCO

Environmental Health Services Department STEVE McCALLEY, REHS, DIRECTOR

Planning & Development Services Department TED JAMES, AICP, DEECTOR

# AIR POLLUTION CONTROL DISTRICT

February 3. 1992

Mr. Raymond Menebroker. Chief California Air Resources Board Project Review Branch Stationary Source Division P. O. Box 2815 Sacramento. CA 95812

SUBJECT: Preliminary Public Notice - Emissions Reduction Credits

Project \*'s 4013 910703-910709

Dear Mr. Menebroker:

Enclosed for your review and comment is the analysis of Shell Western E&P's request for emissions reduction credits for Conversion of 11 Oilfield Steam Generators to Gas-Fired Only.

Also enclosed are the draft Banking Certificate documents and a copy of the preliminary public notice to be published on approximately February 7. 1992. This will start the 30-day public comment period.

Please submit your written comments on our analysis and draft documents as soon as possible to provide ample time for our review and consideration.

Thank you for your cooperation in this matter. Should you have any questions please telephone Mr. Lance Ericksen of the Engineering Evaluation Section at (805) 861-3682.

Sincerely,

WILLIAM J. RODDY

AIR POLLUTION CONTROL OFFICER (SED)

ASST. AIR POLLUTION CONTROL OFFICER (SJVUAPCD)

Thomas Paxson, P.E.

Manager. Engineering Division

LE/cs Enclosures

# RANDALL L. ABBOTT DIRECTOR

DAVID PRICE III ASSISTANT DIRECTOR



Air Pollution Control District WILLIAM J. RODDY, APCO

Environmental Health Services Department STEVE McCALLEY, REHS, DIRECTOR

Planning & Development Services Department TED JAMES, AICP, DIRECTOR

#### AIR POLLUTION CONTROL DISTRICT

February 3, 1992

Mr. Matt Haber. Chief U.S. E.P.A.- Region IX New Source Section 75 Hawthorne St. San Francisco. CA 94105

<u>SUBJECT</u>: Preliminary Public Notice - Emissions Reduction Credits

Project #'s 4013 910703-910709

Dear Mr. Haber:

Enclosed for your review and comment is the analysis of Shell Western E&P's request for emissions reduction credits for Conversion of 11 Oilfield Steam Generators to Gas-Fired Only.

Also enclosed are the draft Banking Certificate documents and a copy of the preliminary public notice to be published on approximately February 7. 1992. This will start the 30-day public comment period.

Please submit your written comments on our analysis and draft documents as soon as possible to provide ample time for our review and consideration.

Thank you for your cooperation in this matter. Should you have any questions please telephone Mr. Lance Ericksen of the Engineering Evaluation Section at (805) 861-3682.

Sincerely,

WILLIAM J. RODDY

AIR POLLUTION CONTROL OFFICER (SED)

ASST. AIR POLLUTION CONTROL OFFICER (SJVUAPCD)

Thomas Paxson, P.E.

Manager, Engineering Division

LE/cs Enclosures

## RANDALL L. ABBOTT DIRECTOR

DAVID PRICE III ASSISTANT DIRECTOR



Air Pollution Control District
WILLIAM J. RODDY, APCO

Environmental Health Services Department STEVE McCALLEY, REHS, DIRECTOR

Planning & Development Services Department TED JAMES, AICP, DIRECTOR

#### AIR POLLUTION CONTROL DISTRICT

February 3, 1992

Mr. J.A. Ruhl. Manager Health. Safety & Environment Shell Western E&P. Inc. West Coast Production Division P.O. Box 11164 Bakersfield. CA 93389-1164

SUBJECT: Preliminary Public Notice - Emissions Reduction Credits

Project #'s 4013 910703-910709

Dear Mr. Ruhl:

Enclosed for your review and comment is the analysis of your request for emissions reduction credits for Conversion of 11 Oilfield Steam Generators to Gas-Fired Only.

Also enclosed are the draft Banking Certificate documents and a copy of the preliminary public notice to be published on approximately February 7, 1992. This will start the 30-day public comment period.

Please submit your written comments on our analysis and draft documents as soon as possible to provide ample time for our review and consideration.

Thank you for your cooperation in this matter. Should you have any questions please telephone Mr. Lance Ericksen of the Engineering Evaluation Section at (805) 861-3682.

Sincerely,

WILLIAM J. RODDY

AIR POLLUTION CONTROL OFFICER (SED)

ASST. AIR POLLUTION CONTROL OFFICER (SJVUAPCD)

Phomas Paxson, P.E.

Manager, Engineering Division

LE/cs Enclosures

# TELEPHONE CONVERSATION Date: 1/4/71 Time: With: Eleen Lindsay Title: Company: Swep we Phone: APCD Representative: Lance Ericksen Title AGE

Subject of Conversation:

Summary of Conversation:

A 4 M+ poso are unscurbed un har reguested permits be corrected to remore serubber from permits + scrubber conditions

VE I'll review files + pule 424
plan if these are authorized
to operate unscrubbed I'll
revise my calculations.

## Shell Western E&P Inc.

An affiliate of Shell Oil Company



P.O. Box 11164 Bakersfield, CA 93389

March 13, 1992

Mr. Thomas Paxson, P.E.
Manager, Engineering Evaluation
San Joaquin Valley Unified
Air Pollution Control District
Kern Zone
2700 "M" Street, Suite 275
Bakersfield, CA 93301

Dear Mr. Paxson:

SUBJECT: NOTIFICATION OF OIL FIRING EQUIPMENT REMOVAL

ON STEAM GENERATORS ASSOCIATED WITH ERC APPLICATIONS

PROJECT NOS. 911202 & 910703 - 910709

REQUEST FOR INSPECTION

This letter shall serve as official notification that oil firing equipment has been removed from all steam generators for which emission reduction credits are being sought (see attached listing). We request that an APCD inspection be completed as soon as possible so that PTO's can be issued and processing of the pending ERC applications can be completed.

Our Mr. Jeff Elliott will be happy to escort or accompany you to the various steam generator locations. You may contact him at 326-6045 to make arrangements.

Should you have any questions or need further information, please contact Ms. Eileen Lindsay at 326-5442.

Sincerely,

A Ruhl

Manager Health, Safety & Environment West Coast Production Division

**EFL** 

Enclosure

cc: Mr. Steve Beyn Senior Specialist Kern Zone

DAR 1 7 1992

TO BENEFIT AND A STREET OF THE STREET OF THE

# STEAM GENERATORS TO BE INSPECTED

# KERN RIVER FIELD

SWEPI GENER	ATOR NAME		PTO NUMBER
PRICEWELL #	4	•	4013423I
и #:	5		094K
n #:	7		096K
ıı #	8		098K
11 <u>#</u>			. 099K
" Т	-2		004J
BISHOP #	69 :		076E
RAMBLER #	1	•	073J
11 #	5		042P
"#		·	072G
	13		002E
	T-1		001F
	8		110C
MIDWAY PREM	IER #2		003D

# MT. POSO FIELD

SWEPI GENERATOR NAME	PTO NUMBER
CLUSTER D #1	4013079J
" #2	080J
" #4	0821
" #5	083J
" #6	084 I
CLUSTER A #1	040J
" #2	045J
" #3	044L
" #4	043 I
" #6	041K
CLUSTER C #2	029J
<b>"</b> #3	0301
" #6	0331
NPU #2	027 I
u #4	039J
" #5	086K
CLUSTER B #2	022M
" #3	038J
" #4	037K

DAG 17 WYZ

AND PROTECTS MARKET BELLINGS

## Shell Western E&P Inc.

An affiliate of Shell Oil Company



P.O. Box 11164 Bakersfield, CA 93389

October 30, 1991

证 西华 6

#### HAND DELIVERED

Mr. Thomas Paxson, P.E.
Manager Engineering Evaluation
San Joaquin Valley Unified
Air Pollution Control District
Kern Zone
2700 "M" Street, Suite 275
Bakersfield, CA 93301

Dear Mr. Paxson:

SUBJECT: ADDITIONAL DATA FOR ERC APPLICATIONS FOR CONVERSION OF

GENERATORS TO GAS FIRED ONLY - PROJECT #'S 910703 - 910709, APPLICATION #'S 4013094 & -096; -001; -026; -003; -002 &

-072; -032 & -085; AND -028 & -081

This letter shall also serve as formal notification that the subject Shell Western E&P Inc. (SWEPI) generators have ceased oil fired operations and that the emissions reductions applied for have actually occurred.

Per your letter of September 30, 1991, enclosed is fuel use data for the years 1989 and 1990 with corresponding quarterly emissions for the subject generators. Also included is a summary of quarterly emissions by application. As per our October 22, 1991 FAX to you, the emission calculations are based on the formula in the current SJVUAPCD New Source Review Rule: AER = CE\*HAE. Also note that since we do not have oil fired source tests for "20's" with which to calculate Historical Actual Emissions, those emissions are based on approved emission factors, as discussed with Mr. Lance Erickson. The proposed lb/MMBtu limits used in the Control Efficiency calculations are the currently approved SLC factors.

Enclosed is an application to modify the authorized lbs/day limit on our SLC Compliance Plan for each of the subject generators and our check number 058362 for \$60 to cover the filing fee. As a result of surrendering our oil firing capability and applying for ERC's, the authorized limits will be reduced. Per telephone conversation between Mr. Erickson and our Mr. Steve Messner, these limits were determined by multiplying the current gas fired SLC lb/MMBtu emissions factors by each generator's rating.

NOV 2 0 1991

KERN COUNTY AIR
POLLUTION CONTROL DISTRICT

Per your September 30th letter, also enclosed is our check number 000204 for \$2510 to cover the additional fees required under SJVUAPCD Rules for banking certificate applications. Fees are broken as follows:

Project 910703 = \$350 Project 910704 = 410 Project 910705 = 350 Project 910706 = 350 Project 910707 = 350 Project 910708 = 350 Project 910709 = 350

TOTAL

\$2510

Should you have any questions or need further information, please contact Mr. S. D. (Steve) Messner at 326-5982.

Sincerely,

J. A. Ruhl

Manager Health, Safety & Environment West Coast Production Division

**EFL** 

Enclosure

SHELL MESTERN EAP INC.
ERISSIONS REDUCTION CREDITS SURMARY BY PROJECT/APPLICATION
FILEMANE: ERCSUR.WAL

LBS/DAY

FILEKANE:	ERCSUR.I	(E)																										
GAS FIRE ENISSIONS CREDITS	PTO	93ECT 8 401309 2 RTR	4 t -6	76	Pi	JECT 09 18 4013 2 DTI	1001	1 4 BIR	P	JECT 09 10 4013 2 8TR	1026		7	JECT 6: 10 401: 2 811	3043	4 DTR	PTO	7ECT 891 4013002 2 0TR	£ -872	4 STR		ECT 4910 013032 & 2 BTR	-085	4 918	P10 40	ECT 89187 113828 & 2 BTR	-081	4 858
NDX SOZ SO4 CD PN	7.41 26.38	28.44 4.32 1.59 4.34 9.05	0.00 0.00	0.04 3.10 0.52	74.35 1.62 2.05	195.96 3.36 4.17	6 85.3 <i>6</i> 7 1.44 7 1.82	15.05 67.04 1.14 1.44	13.13 4.58 20.84	4.95 22.50	13.97 4.88 22.16	7.11 3.10 14.45	313.54 5.29 0.93	361.10 6.00	2 41.67 8 171.18 7 2.87 8 0.51 2 6.08	145.75 2.46 0.43	93.14 510.10 8.60 10.86	7.96 10.06	27.33 175.31 2.96 3.73	162.51 2.74 3.46	1547.36 41.06 41.06	28.43 28.43	344.03 9.70 9.70	377.10 15.33 15.33	1571.03 187.34	84.73 1913.85 120.99 26.86 113.12	333.24 37.73 4.84	591.54 70.54 15.47
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RANDALL L. ABBOTT DIRECTOR

> DAVID PRICE III ASSISTANT DIRECTOR



Air Pollution Control District
WILLIAM J. RODDY, APCO

Environmental Health Services Department STEVE McCALLEY, REHS, DIRECTOR

Planning & Development Services Department TED JAMES, AICP, DIRECTOR

#### AIR POLLUTION CONTROL DISTRICT

December 6, 1991

Mr. J.A. Ruhl, Manager Health, Safety and Environment Shell Western E&P, Inc. West Coast Production Division P.O. Box 11164 Bakersfield, CA 93389-1164

<u>SUBJECT</u>: Application \*'s 4013003/101/201/301/401/601 - Project \* 910706

In reply refer to ATC #'s & Project #

Dear Mr. Ruhl:

This office has received your applications for Emission Reduction Credit Banking Certificates the following: For Conversion of Steam Generators to Gas-Fired Only. They have been reviewed by our staff, additional information has been requested, and you have submitted additional information. Based on your submittal, your applications have been found to be complete; i.e., you have submitted enough information to enable the District to initiate its review of your project.

Please be advised that during the course of review, the District may request additional information for the purpose of clarifying, amplifying, correcting or otherwise supplementing the information on file.

Thank you for your cooperation in filing the necessary applications. Should you have any questions please telephone Mr. Lance Ericksen of the Engineering Evaluation Section at (805) 861-3682.

Sincerely,

WILLIAM J. RODDY

AIR POLLUTION CONTROL OFFICER (SED)

ASST. AIR POLLUTION CONTROL OFFICER (SJVUAPCD)

Thomas Paxson, P.E.

Manager, Engineering Division

LE/cs

RANDALL L. ABBOTT DIRECTOR

> DAVID PRICE III ASSISTANT DIRECTOR



Air Pollution Control District WILLIAM J. RODDY, APCO

Environmental Health Services Department STEVE McCALLEY, REHS, DIRECTOR

Planning & Development Services Department TED JAMES, AICP, DIRECTOR

#### AIR POLLUTION CONTROL DISTRICT

September 30, 1991

Mr. J. A. Ruhl, Manager Health, Safety & Environment Shell Western E & P Inc. West Coast Production Division P.O. Box 11164 Bakersfield, CA 93389-1164

ERC Application #'s 4013003/101/201/301/401/601 - Project #910706 SUBJECT: In reply refer to ERC #'s & Project #

Dear Mr. Ruhl:

Your applications for Emission Reduction Banking Certificates for the following project have been received by this office: ERC Banking Credits for Conversion of Generators to Gas Fired Only.

After reviewing this application, our office sent you a list of deficiencies which had to be corrected before processing could commence (see attached copy). These items are necessary to satisfy the requirements of Rule 210.3/230.1 of the District's Rules and Regulations.

Because we have not received sufficient information from you, this office will have no choice but to deny your applications for ERC Banking Certificates within thirty days should you still not supply the required information.

Because the requested information was not received prior to September 19, 1991, any further processing of the applications must be under the SJVUAPCD Banking and NSR rules adopted on that date. Therefore, in order to proceed with the applications, the District will required:

- 1. Actual historical fuel use and corresponding emissions by calendar quarter for the two years preceding the date of application.
- 2. Additional fees of \$350. Under the SJVUAPCD Rules adopted September 19, 1991, fees for banking certificate applications are \$650. This fee is for all air contaminants and additional fees may be requested by the District if the actual time and materials exceed the initial fee amount. Because you have previously paid \$300, the balance due before processing can proceed is \$350.

Mr. J. A. Ruhl Shell Western E & P Inc. September 30, 1991

Submission of the above information within 30 days will enable the District to proceed with processing of the applications.

Thank you for your cooperation in this matter. Should you have any questions, please telephone Mr. Lance Ericksen of the Engineering Evaluation Section at (805) 861-3682.

Sincerely,

WILLIAM J. RODDY

Air Pollution Control Officer (SED)

Asst. Air Pollution Control Officer (SJVUAPCD)

Thomas Paxson, P.E.

Manager, Engineering Division

LE/bd Attachment

# RANDALL L. ABBOTT DIRECTOR

DAVID PRICE III
ASSISTANT DIRECTOR



Air Pollution Control District
WILLIAM J. RODDY, APCO

Environmental Health Services Department STEVE McCALLEY, REHS, DIRECTOR

Planning & Development Services Department TED JAMES, AICP, DIRECTOR

# AIR POLLUTION CONTROL DISTRICT

August 13, 1991

Mr. J. A. Ruhl, Manager Health, Safety & Environment West Coast Production Division Shell Western E & P Inc. P.O. Box 11164 Bakersfield, CA 93389-1164

SUBJECT:

Application #'s 4013003/101/201/301/401/601 - Project #910706

In reply refer to Application #'s & Project #

Dear Mr. Ruhl:

Your applications for Emission Reduction Banking Certificates for the following project have been received by this office: ERC Banking Credits for conversion of generators to gas fired only.

A preliminary review of these applications revealed that they are incomplete and that the following information will be required before processing can commence:

- Documentation that reductions have actually occurred, i.e., that oil firing has ceased.
- 2. Fuel use data for two years preceding date of application and corresponding

Please be advised that failure to provide the necessary information within thirty days may result in denial of the requested Authority to Construct. Thank you for your cooperation in this matter. Should you have any questions, please telephone Mr. Lance Ericksen of the Engineering Evaluation Section at (805) 861-3682.

Sincerely,

WILLIAM J. RODDY

Air Pollution Control Officer (SED)

Asst. Air Pollution Control Officer (SJVUAPCD)

Thomas Paxson, P.E.

Manager, Engineering Division

LE/bd

KERN COUNTY AIR	POLLUTION	CONTROL DISTR		
	rsfield, California		ie: (805) 861-3682	
	•		•	
PPLICATION FOR:			· `	
Authority to Construct (ATC)	Permit to Opera	ite (PTO)	🖾 Banking Certificate	
ATC - Modification	PTO Modific	ation	☐ Transfer of Location	
☐ ATC — Renewal	☐ PTO — Transfer	of Ownership		
N APPLICATION IS REQUIRED FOR EACH SOUR	RCE OPERATION	AS DEFINED IN RUL	E 102, SECTION cc.	
PERMIT TO BE ISSUED TO: Name of organiza	ation to operate the	following equipment:		
. Shell Western E&P Inc.	•			
. MAILING ADDRESS:	• • •		· · · · · · · · · · · · · · · · · · ·	
P.O. Box 11164, Bakersfield, C	'A :	· · ·	93389-1164 Zip Code:	
LOCATION AT WHICH THE EQUIPMENT IS T			1	
Section 32, T 275, R 285, POS	O CREEK Field	, MIDWAY PREMIER	Lease .	
GENERAL NATURE OF BUSINESS:		-		
Crude Oil and Gas Production		<u> </u>		
. EQUIPMENT FOR WHICH APPLICATION IS M	ADE:	•		
PTO Numbers 4013003 MIDW	AY PREMIER #2	2 GENERATORS	•	
Request for Banking Certificate the surrender of oil fired cap		on Reduction Cred	its in conjunction with	
Emmission Reduction Credits as calculations:	re requested	in the following	, amount as per attached	
Total PM Credits:	10.02 lb/d	lav ·		
Total III oldalas.		<b>,</b>		
Provide additional information as required by Dist	rict "Instructions".	· .	·	
TYPE AND ESTIMATED COST OF AIR POLL	UTION CONTROL	L EQUIPMENT:		
	•			
TYPE AND ESTIMATED COST OF BASIC PR	OCESS EQUIPME	NT:	•	
			·	·
SIGNATURE OF APPLICANT:		TITLE OF SIGNER:		
A Share			alth, Safety & Environme Production Division	nt
9. TYPE OR PRINT NAME OF SIGNER:		DATE:	. PHONE NO.:	
J.A. Ruhl		4/12/01	(805) 326-5900	
DATE RECEIVED		Validation (For AF	PCD. Use Only)	<del></del> -
ា/ ៩៤៩៧ ४ ខ្ំំ ៧√ំំំំំំំំំំំំំំំំំំំំំំំំំំំំំំំំំំ			05 030 01111	
11				
JUL 9 1991	FILING FEE: S	609/1440 W RE	ECEIPT NO.: 0/12/6	
KERN COUNTY AIR	DATE: 7/9	/91		
- OLEHTION HONTROL DISTRICT				

Ţĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸ	POLLUTION	CONTROL DISTRIC	T (1013003/1/K)
. 2700 "M" Street, Suite 275 Bake	ersfield, California	93301 Telephone:	(805) 861-3682
2	•	· .	
APPLICATION FOR:		•	
Authority to Construct (ATC)	Permit to Operat	e (PTO)	X Banking Certificate
ATC — Modification	☐ PTO — Modifica		Transfer of Location
☐ ATC — Renewal	PTO - Transfer	of Ownership	
AN APPLICATION IS REQUIRED FOR EACH SOUR	_	·	102. SECTION cc.
1. PERMIT TO BE ISSUED TO: Name of organization		<del> </del>	
Shell Western E&P Inc.			<u> </u>
2 MAILING ADDRESS:			
P.O. Box 11164, Bakersfield, C	CA	· · · · · · · · · · · · · · · · · · ·	93389-1164 Zip Code:
3. LOCATION AT WHICH THE EQUIPMENT IS T			T
Section 32, T 27S, R 28E, POS	O CHEEK Fleid	, MIDWAT PREMIER	Lease
4. GENERAL NATURE OF BUSINESS:		•	,
Crude Oil and Gas Production	·	· · · · · · · · · · · · · · · · · · ·	;;
5. EQUIPMENT FOR WHICH APPLICATION IS M	IADE:	•	
PTO Numbers 4013003 MIDW	NAY PREMIER #2	GENERATOR	
		•	
Request for Banking Certificate the surrender of oil fired cap		n·Reduction Credit	s in conjunction with
Emmission Reduction Credits as calculations:	re requested	in the following a	mount as per attached
Total CO Credits:	7.22 _1b/da	ay .	•
			•
Provide additional information as required by Dist			
6. TYPE AND ESTIMATED COST OF AIR POLL	UTION CONTROL	EQUIPMENT:	
7. TYPE AND ESTIMATED COST OF BASIC PR	OCESS EQUIPMEN	Т: .	
	•		•
8. SIGNATURE OF APPLICANT:	·	TITLE OF SIGNER:	
1. D. Thur	· · ·	Manager Healt	th, Safety & Environment roduction Division
9. TYPE OR PRINT NAME OF SIGNER:		DATE:	. PHONE NO.:
J.A. Ruhl		6/13/91	(805) 326-5900
DATE RECEIVED		Validation (For APCO	Use Only)
D) EGELVE ())		<del></del>	
		oil on	
JUL 9 1991'	FILING FEE: \$_	60 /1440. RECE	EIPT NO.: 0//2/6
KERN COUNTY AIR OUT ITION LONTROL DISTRICT	DATE: 7/9	191	·
or Quality SEO 9149 011 (Rev. 3/88)	<del></del>	·	

APPLICATION FOR: Authority to Construct (ATC) Permit to Operate (PTO) Banking Certificate PTO - Modification ATC - Modification Transfer of Location ATC - Renewal PTO - Transfer of Ownership AN APPLICATION IS REQUIRED FOR EACH SOURCE OPERATION AS DEFINED IN RULE 102, SECTION CC. PERMIT TO BE ISSUED TO: Name of organization to operate the following equipment: . Shell Western E&P Inc. MAILING ADDRESS: 93389-1164 P.O. Box 11164, Bakersfield, CA Zip Code: LOCATION AT WHICH THE EQUIPMENT IS TO BE OPERATED: Section 32, T 27S, R 28E, POSO CREEK Field, MIDWAY PREMIER GENERAL NATURE OF BUSINESS: Crude Oil and Gas Production EQUIPMENT FOR WHICH APPLICATION IS MADE: MIDWAY PREMIER #2 GENERATOR PTO Numbers 4013003 Request for Banking Certificate for Emission Reduction Credits in conjunction with the surrender of oil fired capability. Emmission Reduction Credits are requested in the following amount as per attached calculations: Total SO4 Credits: 5.67 Provide additional information as required by District "Instructions". TYPE AND ESTIMATED COST OF AIR POLLUTION CONTROL EQUIPMENT: TYPE AND ESTIMATED COST OF BASIC PROCESS EQUIPMENT: SIGNATURE OF APPLICANT: TITLE OF SIGNER: Manager Health, Safety & Environment West Coast Production Division E OR PRINT NAME OF SIGNER: . PHONE NO .: DATE: (805) 326-5900 J.A. Ruhl DATE RECEIVED Validation (For APCD Use Only) JUL 9 PECEIPT NO. KERN COUNTY AIR OF LITION LANTROL DISTRIC Quality \$80 9149 011 (Rev. 3/88)

JALL AIR PULLUTIUN CONTROL DISTRICT

Telephone: (805) 861-3682

Bakersfield, California 93301

2700 "M" Street, Suite 275

APPLICATION FOR: Authority to Construct (ATC) Banking Certificate Permit to Operate (PTO) PTO - Modification ☐ Transfer of Location ATC - Modification Transfer of Ownership ATC - Renewal AN APPLICATION IS REQUIRED FOR EACH SOURCE OPERATION AS DEFINED IN RULE 102, SECTION CC. PERMIT TO BE ISSUED TO: Name of organization to operate the following equipment: . Shell Western E&P Inc. . MAILING ADDRESS: 2. 93389-1164 P.O. Box 11164, Bakersfield, CA Zip Code: LOCATION AT WHICH THE EQUIPMENT IS TO BE OPERATED: 3. Section 32, T27S , R28E , POSO CREEK Field, MIDWAY PREMIER Lease GENERAL NATURE OF BUSINESS: Crude Oil and Gas Production EQUIPMENT FOR WHICH APPLICATION IS MADE: MIDWAY PREMIER #2 GENERATOR PTO Numbers 4013003 Request for Banking Certificate for Emission Reduction Credits in conjunction with the surrender of oil fired capability. Emmission Reduction Credits are requested in the following amount as per attached calculations: Total SO2 Credits: 349.68 1b/day Provide additional information as required by District "Instructions". TYPE AND ESTIMATED COST OF AIR POLLUTION CONTROL EQUIPMENT: TYPE AND ESTIMATED COST OF BASIC PROCESS EQUIPMENT: 7. SIGNATURE OF APPLICANT: TITLE OF SIGNER: 8. Manager Health, Safety & Environment West Coast Production Division . PHONE NO .: PE OR PRINT NAME OF SIGNER: DATE: (805) 326-5900 J.A. Ruhl Validation (For APCD Use Only) JUL 9 FILING FEE: 5 60 01/4/0 RECEIPT NO.: 0/12/6 KERN COUNTY AIR THE STIAN LANTROL DISTRIC Outliny 580 9149 011 (Rev. 2/88)

KERN COUNTY AIR POLLUTION CONTROL DISTRICT

Bakersfield, California 93301

Telephone: (805) 861-3682

2700 "M" Street, Suite 275

2700 "M" Street, Suite 275 Bakersfield, California 93301 Telephone: (805) 86 APPLICATION FOR: Permit to Operate (PTO) Authority to Construct (ATC) Banking Certificate PTO — Modification Transfer of Location. ATC — Modification ATC - Renewal ☐ PTO — Transfer of Ownership AN APPLICATION IS REQUIRED FOR EACH SOURCE OPERATION AS DEFINED IN RULE 102, SECTION cc. PERMIT TO BE ISSUED TO: Name of organization to operate the following equipment: . Shell Western E&P Inc. . MAILING ADDRESS: 2. 93389-1164 P.O. Box 11164, Bakersfield, CA Zip Code: LOCATION AT WHICH THE EQUIPMENT IS TO BE OPERATED: 3. Section 32, T27S, R28E, POSO CREEK Field, MIDWAY PREMIER Lease GENERAL NATURE OF BUSINESS: 4. Crude Oil and Gas Production EQUIPMENT FOR WHICH APPLICATION IS MADE: MIDWAY PREMIER #2 GENERATOR P.TO Numbers 4013003 Request for Banking Certificate for Emission Reduction Credits in conjunction with the surrender of oil fired capability. Emmission Reduction Credits are requested in the following amount as per attached calculations: Total NOx Credits: 46.39 lb/day Provide additional information as required by District "Instructions". TYPE AND ESTIMATED COST OF AIR POLLUTION CONTROL EQUIPMENT: TYPE AND ESTIMATED COST OF BASIC PROCESS EQUIPMENT: SIGNATURE OF APPLICANT: TITLE OF SIGNER: Manager Health, Safety & Environment West Coast Production Division . PHONE NO .: TYPE OR PRINT NAME OF SIGNER: DATE: J.A. Ruhl (805) 326-5900 Validation (For APCD Use Only) FILING FEE: \$ 60 0/1440 PRECEIPT NO.: 0/12/6 KERN COUNTY AIR OLITION CONTROL DISTRIC Air Quality 580 9149 011 (Rev. 3/88)

KERN COUNTY AIR POLLUTION CONTROL DISTRICT

	PRICEVELL PID 40134 62.5 MMBT	74L			PRICEWELL PTD 4013( 62.5 XRD)	1741	,		MIDUAT 20 210 40134 23.0 KHD1		2		NC NAMUS PTO 4013( 25.2 MMB)	016			RANGLER 1 PTO 40136 22.0 HHD	72H			RAMBLER 1 PTO 40136 23.0 BB91	Ø2F		
YEAR		20 BBLS BIL	39 DPLS OIL	40 20LS	10 DBLS 01L	ZB OBLS OIL	30 131.S DIL	48 38LS BIL	IO SULS	29 BBLS OIL	30 DBLS Oll	40 BOLS BIL	10 DDLS OIL	20 DDLS DIL	30 DDLS OIL	40 DUS OIL	10 BBLS OIL	20 JDLS BIL	30 JDLS 01L	40 DDLS DJL	10 DBLS BIL	28 89L\$ 01L	30 00LS 01L	
1787 1770	15566 16277	4542 528	1	10574	1643 <b>0</b> 15447	5020 526	•	10481	4397 3764	4521 4879	1400 194	3835	1429 1031	\$ 3190	0 2246	1785		458 3349	2092	821 0		2218 6247	2524	3455
81/90 AVE/ET	15733	2535	0	5207	15750	2777		5241	4034	4700	2252	1918	1240	2550	1123	873	1765	1114	1046	411	4880	:43	1243	1721
İ	TEST	TEST	TEST	1231	TEST	TEST	TEST	TEST	TEST	TEST	TEST	TEST	TEST	TEST	TEST	TEST	TEST	TEST	TEST	TEST	TEST	TEST	TEST	TEST
ENISSIONS		2/21/90 LBS/DAY				2/21/90 LDS/DAT		2/21/90 185/841	2/14/04 L89/04T				R/A LBS/BAT	AVA Laszaat	W/A LBS/BAT	R/A LBS/BAT	N/A LBS/BAT	N/A LBS/BAT	R/A LDS/DAT	N/A LBS/DAY	N/A LBS/MAT	N/A LBS/BAT	N/A LBS/BAT	
	911	OIL	017	air.	OIL	DIL	OIL	011	011	OIL	OIL	OIL	OIL	DIL	BIL	OIL	DIL	OIL	BIL	OIL	01L	OIL	OIF	OIL
NOX	184.74	29.39	0.00	49.42	180.34	31.05	0.00	57.97	114.02	133.44	43.34	53.93	32.49	66.07	28,78	27.87	15.82	16.96	7.17	3.40	125.75	107.67	32.37	44.27
SOZ	14.83	5.33	0.00	4.61	14.84	2.54	9.00	4.77	314.39	362.14	171.43	146.14	74.60	174.48	85.57	48.07	137.51	147.44	79.72	31.29	373.93	324.12	76.26	
504	5.05	0.80	0.00	1.64	5.66	0.87	0.00	1.63	5.56	4.41	3.64	2.59	1.71	3.40	1.51	1.20	2.43	2.41	1.41	<b>9.55</b>	6.62	5.77	1.79	
CO PM	13.73 33.03	2.14 5.32	6.00 6.00	4.46 19.98	13.75 33.87	2.37 5.83	1.00 1.00	4.42 10.07	9.97 13.91	1.12 16.02	0.53 7.59	4.45 6.47	2.14 4.27	4.35 8.47	1.89 3.79	1.50 3.01	3.44	3.26 6.57	1.76 3.53	9.47 1.38	0.27 16.55	7.22 14.43	2.13 4.26	
					•								İ				! [			,				
SAS FIRE Enissions	LDS/DAY Gas	LBS/DAT GAS	LBS/BAT GAS	LBS/DAT GAS	GAS	LBS/BAT Gas	6A5	LBS/BAT Bas	GAS	LDS/DAT GAS	EVE	LBS/DAY Gas	LDS/DAT GAS	GAS	LBS/BAY Gas	LBS/BAT Gas	LBS/DAY Gas	LBS/BAT Gas	LBS/BAT Gas	LOS/MAT Bas	LBS/PAT Gas	LBS/BAT Bas	EAS	GAS
NOX	18.86	15.54	0.00	32.47	95.47	16.44	0.00	30.47	39.49	43.72	21.67	10.65	11.11	22.60	7.83	7.83	5.41	3.80	3.14	1.23	43.62	37.52	11.07	15.15
S02	1.11	0.18	0.00	1.34	1.11	9.17	1.01	9.34	1.83	0.74	4.46	0.39	1.26	0.52	1.23	0.18	0.37	0.39	<b>0.21</b>	1.11	1.17	6.87	9.26	6.35
594 CO	0.25 0.55	0.04	0.00	1.08	\$.25	0.04 0.07	9.86	1.13	4.28	9.32	0.15	9.13	0.07	0.17	0.18	1.06	9.12	0.13	\$.\$7	#.#3	4.33	\$.27	9.07	1.12
PN	4.38	0.07 1.00	0.00 0.00	2.07	4.55 4.39	1.10	1.01 1.01	0.19 2.05	2.70	0.04 3.20	1.52	1.29	0.85	0.17 1.74	0.09 0.74	9.94	1.22	1.30	0.71	0.28 0.28	3.31	9.21 2.89	9.87 9.83	4.12 1.17
ENISSIONS Credits		LDS/DAT CREDITS			1	LUS/DAT CREDITS				L95/BAT CREDITS					LBS/Pai CREDITS		LBS/BAT CBFB11S	LPS/PAT CREDITS			LOS/DAT CZCUTTS			
											*												**	
NDX SD2	97.88 13.72	13.83 2.16	0.00 0.00	28.53 4.45	84.87 13.73	14.61 2.34	1.44	27.28 4.41	74.33	07.92 361.10	41.47 171.18	35.4 <b>8</b> 145.75	21.37	43.47 195.96	18.94 85.36	15.65 67.84	19.41	11.16 147.45	6.63 79.51	2.37 31.20	82.73 372.96	72.15 325.25	21.30 76.00	29.13 131.31
504	4.89	0.76	1.10	1.56	1.81	0.83	9.00	1.54	3.27	4.47	2.87	2.46	1.42	3.30	1.44	1.14	2.31	7.48	1.34	0.53	4.29	5.41	1.62	2.21
CO	13.10	2.07	0.00	4.20	13.20	2.27	0.00	4.24	0.73	1.48	0.51	0.43	2.05	4.17	1.82	1.44	2.92	3.13	1.47	1.66	7.14	4.93	2.44	7.89
PĦ	27.45	4.32	0.00	8.71	27.49	4.73	1.10	0.43	11.13	12.02	4.41	3.17	3.42	6.76	3.43	2.41	4.87 1	5.22	2.62	1.11	13.24	11.54	3.41	4.66
TOTAL ENISSI CREDITS / GT		LOS/DAY CREDITS		ZO LOS/DA CREDITS		30 LDS/BA CREDITS		40 LDS/DA CREDITS					•				İ							
HOX		363.38		243.14	•	17.73	-	137.63	-															
502		947.46		1933.76		432.05		384.97																
504 CO		25.12		18.84		7.20		1.44																
CO PH		40.23 87.58		17.45 45.37		4.07 13.31		13.84																

ENISSIONS REDUCTION CREDITS CALCULATIONS AT POSO FIELD

FILEMANE: MIPERCI

	SHAPIRO N PTO 40130 62.5 BHDT	241			SECURLTY PID 40130 62.5 KM3T	)32 <b>t</b> V/8 <b>t</b>	<del></del>		SECURITY Pad adiad 42.5 Badt	151			6LIDE 0-1 710 40134 62.3 NBD1	MIL			6LIDE 8-7 PTO 40130 42.3 KMD1	283		a
YEAR	BIL	20 BBLS DIL	30 DOLS	49 DDLS 011	10 DPLS OIL	20 33LS 01L	38 9BLS		10 DBLS 011	20 DDLS 01L	30 BBLS	40 DBLS DIL	18 BOLS OIL	20 38LS 01L	30 BBLS	40 BBLS OIL	18 BPLS 01L	20 39LS 01L	01F 38 89F2	40 BDLS 011
1787	16972 14843	17322 17413	17376 17215	16519 6028	14976	4882 16797	0 7484	19164 1989	16351 15314	4282 17732	7454	11277 1421	16692 15798	3074	6717	19343 1098	,	487 <b>5</b> 16826	7063	1166
57/70 AVS/BT	15708	17368	17294	11274	15514	10140	3742	5424	15833	11007	3827	6341	16245	9876	1340	5721	15534	10862	3532	651
CURRENT * Enissions	LDS/DAT DIL	7E\$7 3/28/90 LBS/BAY BIL	-	3/28/98	2/23/99 LBS/BAT BIL	WB1 TEST 2/23/90 LBS/DAT DIL	7/23/90	2/23/94 LBS/BAY 011	2/23/70 LDS/DAY BIL	2/23/90	2/23/10 LBS/BAT DIL	2/23/90 LOS/9AT DIL	4/4/87	4/4/89 LBS/BAT	4/4/89	4/4/89 LBS/DAT	4/4/87		4/4/89	4/4/8 LBS/88
KOX	197.30	213.44	207.83		173.78	121.34	41.44	61.74	177.49	122.04	41.97	47.43	189.10		34.43	62.04	172.24	117.10	38.30	70.4
205	13.27	14.33	11.11	7.20	787.92		101.71	273.20	785.53	549.38	185.84	309.31	894.49		143.14	277.79		323.21	171.49	
504 CO	4.83	5.21	\$.13 22.22	3.35	21.37	14.92	5,45 5,45	7.57	21.03 21.03	13.01 15.01	5,14 5,16	8.54 8.54	100.00 22.40		20.39 4.53	34.72 7.72	76.49 21.42	44.64 14.81	21.44 4.76	
CO Fr	21.93 34.84	23.68 39.21	23.33 30.33			14.92 87.13	22.71	7.59 34.13	78.24	17.53	23.23	38.54			20.39	34.72		66.65		39.5
	• • • • • • • • • • • • • • • • • • • •	*****	131,00	•	 	*****		•					; ;		••••		i			
GAS FIRE ENISSIONS	LBS/DAT GAS	LDS/DAT GAS	LBS/DAY Gas	LDS/DAT GAS	LDS/DAT GAS	LDS/DAY GAS	LDS/DAY GAS	LDS/DAY Gas	LBS/BAY GAS	LDS/DAT GAS	LBS/JAY SAS	LDS/DAY GAS	LBS/BAY GAS	LDS/DAY GAS	LJS/JAT GAS	LDS/DAY GAS	LBS/BAY GAS	LBS/PAT GAS	LBS/BAY Gas	EBS/BAT GAS
KÜI	122.04	131.70	127.81	81.61	107.62	75.07	25.40	38.19	107.79	75.49	25.96	43.07	111,40	64.78	22.54	38.38	196.54	73.47	23.49	43.49
203	9.14	¥.15	0.15	9.19		2.24	0.76	1.19	3.27	2.25	0,77	1.23	7.38	2.02	9.68	1.16	3.21	2.22	1.75	1.33
504	1.24	1.26	0.24	0.17	1	1.75	0.25	4.33	1.07		0.26	0.43	3.04	3.63	1.02	1.74	1.02	3.33	1.07	
C8 P8	1.19 10.97	1.18 11.84	1.17 11.67	0.74 7.60		0.75 7.46	0.25 2.52	9.38 3.79	1.07	#.75 7.51	0.26 2.50	0.43 4.28	11.20		0.23 2.27	0.39 3.84	1.67 10.71	9.74 7.41	0.24 2.38	
ENISSIONS	LDS/DAT	LUS/DAY	LBS/DAT	LOS/DAT	LBS/BAT	LDS/DAT	LBS/BAT	LBS/DAT	LBS/BAT	LDS/DAT	LBS/BÁT	LDS/DAY	LBS/BAT	LBS/BAT	LBS/BAY	LBS/BAY	LPS/DAY	LBS/BAT	LBS/BAT	LBS/BAT
CREDITS		CREDITS				CREDITS			CREDITS	CREDITS	CREDITS	CREDITS	CREDITS	CREDITS	CREDITS	CREDITS	CREDITS	CREDITS	CREDITS	CREDITS
NOX	75.26	11.24	89.85	52.18	44.34	16.21	15.66	23.55	67.70	44.55	16.01	24.54	68.79	41.30	13.70	23.66	45.70	45,43	14.61	24.94
203	13.13	14.18	13.47	1.11	766.71	534.83	189.76	272.47	782.65	538.13	185.67	303.63	803.04		162.46	•	787.57	531.04	178.78	
504	4.58	4.93	4.81	3.10	20.32	14.17	4.84	7.21	24.74	14.24	4.54	8.14	95.74		19.17	32.99	11.11	11.11	24.34	
0	20.84	22.50	22.14	14.45	29.32	14.17	4.81	7.21	20.74	14.26	4.70	1.14	21.20	12.79	4.31	7.33	20.35	14.07	4.53	
PN	43.47	47.37	46.66	30,41	\$5.33	37.47	20.17	39.34	1 87.33	69.04	20.63	34.26	87.40	53.47	18.13	39.87	1 83.47	59.25	17.05	35.1
TOTAL ENISSIS CREDITS / OT	OKS	10 LDS/DA CREDITS	1	20 LBS/D/ CREDITS	1	SB LBS/BA	1	40 L35/36 CREDIT	1							٠.				
NOI		343.72	•	269.84	-	140.23	•	132.89	-											
502		3133.53		2101.00		713.23	-	1179.74										•		
304		232.98		154.28		54.31		87.86									-			
CO		103.53		77.64		40.69		45.47						•						
PK		372.03		200.21		124.68		161.03			•									

# Projects 910703-910709

# Shell Western Exploration and Production Inc. SJ Division

Mailing address:	Phone:
P.O. Box 11164 Bakersfield, CA 93389	(805) 326-5442
Company Contact:	Processing Engineer:
Eileen Lindsay Environmental Engineer	Lance Ericksen Air Quality Engineer
Project:	Start date: 7/9/91 Finish date: 1/30/92
4013 910703-910709	Deemed comp: 12/6/91
Project Location:	WP File 92LE004 Final Review Not Req.

Central Kern County Oilfields

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#### I. Proposed Emission Reduction Credit

The applicant is requesting emission reduction credits for the conversion of 11 steam generators from dual firing to gas fired only. Credits are requested for reductions in PM10, SO2, SO4, NO2 and CO.

#### II. Rules and Regulations

- A. Rule 220.1 Requirements: (9-19-91 SJVUAPCD)
  - 1. Subsection II Definitions
    - A. <u>Actual Emissions</u>: measured or estimated emissions which most accurately represent the emissions from an emissions unit.
    - B. Actual Emissions Reductions: the reductions of Actual Emissions from an emissions unit selected for emission offsets or banking, from the baseline period. Actual emissions reductions shall be calculated pursuant to Section V of this rule and meet the following criteria:
      - shall be real, enforceable, quantifiable, and permanent; and
      - (considerations for early implementation of BARCT), and
      - 3. shall be in excess of any emissions reduction which at the time the application for an Authority to Construct is deemed complete is:
        - a. required or encumbered by any laws, rules, regulations, agreements, orders, (This provision does not include controls required by this rule.); or
        - b. attributed to a control measure noticed for workshop, or proposed or contained in a state implementation plan, except for reductions outlined in Subsection II.B.2. (This provision does not include controls required by this rule.); or
        - c. proposed in the district's adopted air quality plan for attaining the reductions required by the California Clean Air Act except for reductions outlined in Subsection II.B.2.

- A. Rule 220.1 Requirements: (9-19-91 SJVUAPCD) (Cont.)
  - 1. Subsection II Definitions (Cont.)
    - F. Baseline Period shall be either 1) two consecutive years of operation immediately prior to the submission of the complete application; 2) another tim period of at least two consecutive years within five years immediately prior to the submission of the complete application determined by the Control Officer as more representative of normal source operation; 3) a shorter period of at least one year in cases where the emissions unit has not been in operation for two years so long as this represents the full operation history of the stationary source; 4) emission units which have been in operation for less than one year shall have no baseline period for determining actual emission reductions.
  - 2. Subsection V Calculations

#### General

(calculation procedures) .... shall be performed separately for each pollutant, and for each emissions unit .... All calculations shall be performed on a quarterly basis, unless specified otherwise.

#### B. Terms

HAE = Historical Actual Emissions .... emissions which have actually occurred .... must be discounted for reductions required or encumbered by laws, rules etc and ... control measures noticed for workshop or proposed in the AQIA

IPE = Increase in Permitted Emissions

PE = Potential to Emit from the new or modified emissions unit

HAPE = Historical Adjusted Potential Emissions shall be the potential to emit prior to modification adjusted for the proposed control efficiency.

HAPE = PEPM (1 - CE)

PEPM = Potential to Emit from the emissions unit prior to modification

CE = Control Efficiency of the proposed air pollution control technology.

IPE = PE (for modified unit) ~ HAPE (modified unit prior to modification)

- A. Rule 220.1 Requirements: (9-19-91 SJVUAPCD) (Cont.)
  - 2. Subsection V Calculations (Cont.)

#### D.3.b. IPE for Modification of Emissions Unit

IPE = PE(for modified unit) - HAPE(modified unit prior to modification)

#### Subsection V.E. General

If the actual emissions reductions, after 10% deduction for community bank allowance, are greater than the increase in permitted emissions, the difference can be banked. Actual emission reductions are positive numbers. All negative numbers calculated using these procedures shall be set to zero.

Subsection V.E.1. Actual emission reductions solely due to reduction in operating hours and/or throughput rates.

AER = (HAE - PE)

Subsection V.E.2. Actual emission reductions due to shutdown

AER = HAE

Subsection V.E.3. Actual Emission Reductions due to installation of a control device or more efficient process or material.

AER = (HAE \* CE)

the potential to emit after modification shall be equal to potential to emit prior to modification times 1 minus the control efficiency; or

PE (after modification = PEPM \* (1-CE)

C. Subsection VI. - Community Bank Allowance

#### Subsection VI.B.

The community bank is funded by preserving a portion of all Actual Emission Reductions calculated in accordance with Subsection V.E. of this rule, and shall be funded by the following:

- 1. 10 percent of all onsite actual emissions reductions since August 22, 1989.
- 2. 10 percent of all onsite actual emissions reductions created after the date of adoption of this rule.

- B. Rule 230.1 Requirements: (9-19-91 SJVUAPCD)
  - 1. Subsection III Definitions
    - c. Bankable Emission Reductions emission reductions of pollutants and their precursors for which ambient air quality standards exist, and which meet the provisions of this Rule. Such reductions may be deposited in the District's ERC Bank. Once banked and certified, the emission reductions become Emission Reduction Credits (ERCs).
    - g. Emission Reduction Credits (ERCs): reductions of actual emissions emission unit recognized by the District as available for use as tradeoffs or offsets in accordance with the requirements of this Rule. To be eligible for certification as ERCs, emissions reductions must be real, surplus, permanent, quantifiable and enforceable. All emission reduction meeting these requirements may be certified as ERCs.
  - 2. Subsection IV. Eligibility of Emission Reductions
    - B. Emissions Reductions Occurring After September 19, 1991

For emission reductions occurring after the September 19, 1991, the following criteria must be met in order to deem such reductions eligible for banking:

- 1. The emission reduction are real, surplus, permanent, quantifiable, and enforceable.
- 2. Actual emission reductions are calculated in accordance with the calculation procedures of the District's New Source Review Rule and comply with the definition of Actual Emission Reductions of the District's New Source Review Rule. Adjustment to emissions reductions for the community bank shall be made at the time the reductions a quantified pursuant to the District's New Source Review Rule.
  - 3. An application for ERC has been filed no later than 180 days after the emission reductions occurred.

- B. Rule 230.1 Requirements: (9-19-91 SJVUAPCD) (Cont.)
  - 2. Subsection IV. Eligibility of Emission Reductions (Cont.)
    - 4. For non-permitted emission units emissions must have been included in the 1987 emissions inventory and the source creating ERCs shall apply for and acquire a Permit to Operate subject to enforceable permit conditions which ensures that the emission reductions will be provided in accordance with the provisions of this rule, and shall continue for the reasonably expected life of the proposed stationary If the district, pursuant to state laws, is source. prohibited to permit the emission unit, the stationary source creating ERC's shall execute a legal binding contract with the District which ensures that the emission reductions will be provided in accordance with the provisions of this rule, and shall continue for the reasonably expected life of the proposed source.
  - 3. Subsection V ERC Certificate Application Procedures:
    - E. Applications for reduction certificates shall be submitted within 180 days after the emission reduction occurs. For reductions covered under IV.A., ERC Certificate applications shall be submitted within 180 days of the adoption date of this rule (9-19-91).
  - 4. Subsection VI Registration of ERC Certificates:
    - A. May only grant ERC Certificates after the emissions reductions have occurred upon satisfaction of the following provisions:
      - 1. A revised P to O has been issued if the emission reductions were created as a result of greater operating efficiencies or from application of more efficient control technology.
      - If the reductions were created due to shutdown of a permitted emissions unit, the relevant P to O has been surrendered and voided.
    - G. Delivery by the District of an ERC Certificate shall be accomplished by person or by registered mail.

#### C. Other Applicable Rules and Regulations

Rule 424 - Sulfur Compound Emissions - emissions from existing steam generator shall not exceed 0.11 lbm sulfur per million BTU of heat input on a field wide average basis - excluding small steam generators up to a total of 165 million BTU per hour of heat input operated by a small producer

Rule 425.1 - NOX Emissions from Steam Generators Used in TEOR Central Stationary Source - large existing NOX emissions from existing steam generators in NO, per million BTU of heat input shall not exceed; 0.35 oil fired 0.14 gas fired for large existing steam generators which operated by small producers, 0.20 oil fired 0.14 gas fired for large steam generators operated by producers other than small producers or 0.38 oil fired 0.18 gas fired for small steam generators

SLC plan requirements - These generators are subject to the SLC requirements of Rule 220.1 and must comply with the District policy referenced in Subsection II.GG. of Rule 220.1.

#### III. ERC Validation

#### A. Rule 220.1 Requirements

- 1. These steam generators have been in operation under valid permit to operate, actual fuel use data and source test emission factors have been used provided to document emissions. This data has been used to calculate emissions pursuant to Rule 220.1 Subsection V. the reductions therefore satisfy the Requirements of Rule 220.1 Subsections II.a. and II.b.
- 2. The baseline period used in emission calculations is the two consecutive years preceding the date of complete application. Therefore the baseline period is consistent with Rule 220.1 Subsection II.F. and the reductions are based on historical actual emissions.
- 3. The calculations have been preformed on a quarterly basis for each air contaminant. The reductions are due to the addition of emissions controls and have been calculated according to Subsection V.E.3. Therefore calculations satisfy the requirements of Rule 220.1 Subsection V.
- 4. The emission reductions occurred after August 22, 1989 therefore 10% of reductions should be deposited to the community bank pursuant to Subsection VI.B.1. The amount of credit available to be banked by the source will be reduced by 10% for the community bank. The calculation of emission reductions is therefore consistent with the Requirements of Rule 220.1 subsection VI. community bank.

#### B. Rule 230.1 Requirements

#### Subsection IV. Requirements

- 1. These emissions reductions are authorized by authority to construct issued after September 19, 1991. The applicant has notified the District that these ATCs have been implemented and a new permit to operate may be issued. Therefore the reductions occurred after September 19, 1991 and may be banked subject to the requirements of Subsection IV.B.
- 2. To be eligible for banking reductions Subsection V.B.1. requires such reductions be real, surplus, permanent, quantifiable and enforceable:

#### III. ERC Validation Cont.

B. Rule 230.1 Requirements Cont.

Real: The reductions have actually occurred as authorized by ATC oil firing has ceased and an new permit prohibiting oil firing is being prepared. Emissions have been calculated using representative source test emission factors and actual fuel use data. The applicant has submitted acural fuel use for each quarter and has indicated that the original records are available upon request. Therefore the reductions are real.

Surplus: A review of District records shows the reductions have not previously been used as tradeoffs or offsets. No District, State or Federal law, regulation or agreement require these reductions. The SJVUAPCD draft AQIA plan includes proposed control measures that may impact oil fired fuel burning equipment. However, the AQIA plan was not adopted when these applications were deemed complete. Therefore the reductions are surplus.

Permanent: These reductions are the result of conversion to gas firing only. This type of reduction is not dependant on control efficiency of post combustion equipment and is not expected to change over time. The steam generators will continue to serve the same function and no emissions will be transferred to other equipment. Because these steam generators are included in the Rule 424 average compliance plan they must be maintained at there oil fired level to insure permanence. Therefore the reductions are permanent.

Quantifiable: The emission reductions have been calculated using representative source test emission factors for each steam generator when oil firing, the proposed gas firing factors have been documented by source tests of similar equipment. Historic actual emissions are based on actual fuel use for two years. The emissions reductions may therefore be quantified for theses specific emissions units. Therefore the reductions are quantifiable.

<u>Enforceable:</u> The steam generators will be issued new permits to operate which require gas firing only. Annual District inspection of this equipment, record keeping and compliance testing as required by District policy and permitting actions will insure the reductions are enforceable.

#### III. ERC Validation Cont.

- B. Rule 230.1 Requirements Cont.
  - Rule 230.1 subsection IV.B.2. requires the calculation of actual emission reductions be in accordance with Rule 220.1. The emission calculations have been preformed according to the procedures in Rule 220.1 subsections V. (see Rule 220.1 requirements). Therefore the reductions meet the requirements of Rule 230.1 subsection V.B.2.
  - 3. Rule 230.1 Subsection IV.B.3. and Subsection V require an application for reductions be submitted no later than 180 days after the reduction occurs. ATCs to remove oil firing provisions were issued 1/13/92 and have now been implemented. The application for emission reduction credits was therefore made in a timely manner.
  - 4. Rule 230.1 subsection IV.B.4. requires that non-permitted emission units must have been included in the 1987 inventory. These steam generators are under District permit and is therefore not subject to this requirement.
  - 5. Rule 230.1 Subsection VI requires a revised P to O be issued for reductions created as a result of greater operating efficiencies or from application of more efficient control technology. The applicant has notified the District that these ATCs have been implemented and new PTOs will be prepared. Therefore the reduction satisfy this requirement.

#### C. Other Rule Requirements

#### 1. Rule 424

Theses steam generators are currently included in the applicants Rule 424 plan (sulfur compounds from oilfield steam generators). To insure the reductions in SO2 are real and permanent the generators must stay in the plan at their oil fired levels. Because Rule 424 allows averaging to meet the Rule limits reductions if the level for these generators were allowed to be reduced for Rule 424 averaging increases could occur at other emissions units and the reductions will not be real and permanent. Le page 114 for a copy of the plan

#### 2. Rule 425.1

The source test emission factors used to document actual emissions are below the rule 425.1 limit for NO2 of 0.2 lbm/MMBtu (see pages 46-56). The proposed emission factors for NO2 when gas firing are below the Rule 425.1 limit of 0.14 lbm/MMBtu and will be validated by annual source testing. Therefore no adjustments are necessary for Rule 425.1.

#### III. ERC Validation Cont.

#### C. Other Rule Requirements

#### 3. Rule 220.1 SLC Requirements

These steam generators are included in the applicants SLC plan for the central heavy oil production stationary source. Currently each steam generator has capacity and use factors of 80% (over all 80/80 or 64%). The actual average emissions for each generator does not exceed the pounds/day in the preproject plan (see pages 100 and 57-03). Therefore no adjustments to actual historical emissions are required. After the conversion to gas fired only the new potential to emit will replace the existing potential to emit for each generator in the plan (see pages 100 for the post-project plan. The gas fired emission factors used to quantify credits for this banking action and current rating, capacity and use factors will be used to calculate the new potential to emit. Compliance with these limits will continue to be shown for all units in the SLC plan on a daily basis.

Page 11A

SHELL MESTERN ELP INC., MEST COAST PRODUCTION DIVISION - RULE 424 PLAN, CENTRAL KERN COUNTY Feb. 27, 1988 (Proposed)

Feb. 29,			ed)														
	SWEP						UNCONT		UNCONT	S02	CONT.			t			
PTO	UNIT							SCRUBBER	16502	PCT	16502/	165047		# 15502/		TOTAL	165/
NO.	•	FIELD	LEASE	HR			UTEKN	ATC #	HR	CONT	HR	MMBTU	HR	# HR AS		165/HR	MMBT
11111111			*******						1111111	******	111111111	*******	******	******	*********	*******	*****
4013073	R-1	KR	RAMBLER	23.0	011	1.1	1.130	4013092B	25.990	97.0	0.780	0.0258	0.594	\$ 0.39	0.198	0.588	
→ 4013097	R-2	KR	RAMBLER	62.5	OIL	1.1	1.130	4013092B	70.625	97.0	2.119	0.0258	1.615	1.05	59 0.539	1.598	<u> </u>
>4013093	R-3	KR	RAMBLER	62.5	01 <i>F</i>	1.1	1.130	4013092B	70.625	97.0	2.119	0.0258	1.615	1 1.05	9 0.539	1.598	(0.0
→4013092	R-4	KR	RAMBLER	62.5	110	1.1	1.130	40130928	70.625	97.0	2.119	0.0258	1.515	1 1.05	9 0.539	1.598	70.4
→ 4013042	R-5	KR	RAMBLER	62.5	OIL.	1.1	1.130	40130928	70.625	97.0	2.119	0.0515	1.615			1.598	ز (
4013072	R-6	KR	RAMBLER	22.0	OIL	1.1	1.130	,	24.860	0.0	24.860	0.0599	1.318			12.870	
4013002	R-13	KR	RAMBLER	23.0			1.130		25.990	0.0	25.990	0.0599	1.377			13.455	
×1013106	P-3	KR	RAMBLER	62.5	SAS	N/A	0.020		1.220	0.0	1.220	0.0048	0.300				. O. C1
4013120		)* KR	SEC. 34				1.130		70.625	95.0	3.531	0.0515	3.219			2.841	
4013004		KR	KCL-10	18.5			1.130		20.905	0.0	20.905	0.0599	1.108			10.822	
4013006	30	KR	KCL-10	23.0			1.130	•	25.990	0.0	25.990	0.0599	1.377			13.455	
4013074	P-4		PRICEWELL					4013004B	24.860	97.0	0.746	0.0258	0.568			0.563	
	`P-5		PRICEWELL					4013004B	70.625	97.0	2.119	0.0258	1.615			1.598	
4013095	P-6		PRICEWELL					4013004B	70.625	97.0	2.119	0.0258	1.615			1.598	
4013096			PRICEWELL					4013004B	70.625	97.0	2.119	0.0258	1.615			1.578	
4013098	P-8		PRICEWELL					4013004B	70.625	97.0	2.117	0.0258	1.615			1.578	
4013099	P-9		PRICEWELL					4013004B	70.625	97.0	2.117	0.0258	1.615			1.598	
4013003			ald. PRE				1.130		25.990	0.0	25.990	0.0238		1 12.99		13.455	
4013076	69	KR	BISHOP	25.0			1.130	•	28.250	0.0	28.250	0.0599		14.17		14.625	
4013423			WESTATES	25.0			1.130		28.250	0.0	28.250						
4013001		KR	MCHANUS	25.2			1.130				-	0.0599		14.17		14.625	
4013110	PL-8	KR						C.E.NATCO	28.476	0.0	28.476	0.0599		14.23		14.742	
4013111	PL-9	KR	MCMANUS	62.5						96.0	2.825	0.0240	1.497			1.912	
4013040	A-1	POSO	HCHANUS	62.5				C.E.NATCO		96.0	2.825	0.0240	1.497			1.912	
	_		CLUS.A	62.5	OIL			4013042F	45.000	95.0	1.800	0.0201	1.254			1.319	
4013045	A-2	POSO	CLUS.A	62.5	OIL			4013042F	45.000	96.0	1.800	0.0201	1.254			1.319	
4013044	A-3	POSD	CLUS.A	62.5	OIL			4013042F	45.000	96.0	1.800	0.0201	1.254			1.319	
4013043	A-4	POSO	CLUS.A	62.5				4013042F	45.000	96.0	1.800	0.0201	1.254			1.319	
4013041		P050	CLUS.A	62.5				4013042F	45.000	96.0	1.800	0.0201	1.254			1:319	
4013036	8-1	POSO	CLUS.B	62.5				4013022E	45.000	96.0	1.800	0.0166	1.035			1.246	
4013022		POSO	CLUS.B	62.5				4013022E	45.000	96.0	1.800	0.0166	1.035			1.246	
4013037		POSO	CLUS.8	62.5				4013022E	45.000	94.0	1.800	0.0166	1.035			1.246	
4013038		POSO	CLUS.B	62.5				4013022E	45.000	96.0	008.1	0.0166	1.035			1.246	
4013029		POSO	CLUS.C					40130290		95.5	2.025	0.0278	1.740			1.594	
4013030		POSO	CLUS.C	62.5				4013029D	45.000	95.5	2.025	0.0278	1.740			1.594	
4013031		POSD	CLUS.C	62.5				4013029D	45.000	95.5	2.025	0.0278	1.740	•		1.594	
(1013032)		POSO	CLUS.C				0.720		45.000		45.000	0.0278	1.740			23.081	
1013033		POSD	CLUS.C					40130290	45.000	95.5	2.025	0.0278	1.740			1.594	
4013082		POSO	CLUS.C				0.720		45.000		45.000	0.0278	1.740			23.091	
4013079		P050	CLUS.D					4013079C	45.000	96.0	1.800	0.0231	1.441	1 0.90	0.481	1.391	
4013080		P050	CLUS.D	62.5	OIL	0.7	0.720	4013079C	45.000	96.0	1.800	0.0231	1.441	1 0.90	0.481	1.381	
(1012081)		P050	CLUS.D	62.5	OIL	0.7	0.720	•	45.000		45.000	0.0231	1.441	1 22.50	0.481	22.981	
4013082		POSO	CLUS.D	62.5	OIL	0.7	0.720	4013079C	45.000	96.0	1.800	0.0231	1.441	1 0.90	0.481	1.381	
4013083		P050	CLUS.D	62.5	OIL	0.7	0.720	4013079C	45.000	96.0	1.800	0.0231	1.441	1 0.90		1.381	
4013084		POSO	CLUS.0	42.5	OIL	0.7	0.720	4013079C	45.000	96.0	1.800	0.0231	1.441	1 0.90		1.381	
1013028			SHAPIRD	62.5	OIL	0.7	0.720		45.000		45.000	0.0464	2.901			23.469	
4013026	XPU-1	NO.POSO	SHAPIRO	62.5	01L	0.7	0.720	4013026D	45.000	96.0	1.800	0.0464	2.901			1.869	
4013027	NPU-2	NO.POSO	SHAPIRO	62.5	OIL	0.7	0.720	4013026D	45.000	96.0	1.800	0.0464	2.701			1.869	
4013039	NPU-4	NO POSO	SHAPIRO	62.5	01L	0.7	0.720	4013026D	45.000	96.0	1.800	0.0464	2.901			1.869	
4013086	NPU-5	NO POSO	SHAPIRO	62.5	OIL	0.7	0.720	4013026D		96.0		0.0464	2.901			1.869	
				*									· · · - <del>-</del>				

#### VI. Emission Calculations

#### A. Increase in Permitted Emissions

Rule 220.1 subsection V.D.3.b. specifies for a modified emissions unit the increase in permitted emissions (IPE) is:

IPE = PE(for modified emissions unit) - HAPE(modified
emissions unit prior to modification)

Subsection V.E.3. specifies that the potential to emit for modifications that are the installation of a more efficient process or material is:

PE(after modification) = PEPM(1-CE)

The definition of HAPE in subsection V.B. specifies it is:

HAPE = PEPM(1-CE)

Thus for this modification the IPE is zero i.e.

IPE = PEPM(1-CE) - PEPM(1-CE) = 0

#### B. Actual Emission Reductions

Rule 220.1 subsection V.E.3. specifies that the Actual Emissions Reduction (AER) where the reduction is due to the installation of control equipment or due implementation of more efficient process or material is:

AER = HAE(CE)

HAE = Historic Actual Emissions CE = Control Efficiency

HAE for each generator for each quarter is calculated by the actual oil burned times the representative source test emission factor for oil firing. No calculation of HAE for gas firing is preformed because no controls that reduce emissions while gas firing are proposed and therefore the CE and reduction are zero.

The CE for the conversion from oil to gas firing can be represented by:

#### oil fired EF - gas fried EF oil fired EF

To insure all creditable reductions are real an actual representative oil fired emission factor must be used not the permitted factor.

Calculation for each steam generator are shown on pages 16-26.

Creditable reductions are summarized on pages 27-31.

#### VI. Emission Calculations Cont.

#### C. Community Bank Adjustment

Rule 220.1 subsection V.E. requires a 10% adjustment for the community bank of actual emission reductions for the community bank. Because this reduction occurred after 8/22/89 by district policy the adjustment is made at the time the reduction is quantified. Community bank adjustments are summarized on pages 2:32.

### D. Emission Factors for Oil Firing

# 1. Steam Generators 4013094 & '096

#### NO2

NO2 emission factor is based on source test conducted 2/21/90 see page 46.

#### PM10, SO4 & SO2

The PM10, SO4 and SO2 emission factors are based on a series of test on generators in the same field, fired on oil with the same sulfur content and with the same control equipment. The Tests are shown on pages 37 and summarized below:

Date	Emission PM10	Factor SO4	lbm/MMbtu SO2
3400			
4/30/82	0.0465	0.0225	0.0305
12/15/82	0.0535	0.0312	0.0305
10/7/86	0.0280	0.0162	0.0391
5/16/85	0.0288	0.0210	0.0160
Average	0.0392	0.0227	0.0285
SLC Limit	0.0530	0.0200	0.0340

Because these tests show an emission factor higher than the SLC limit for SO4 the factor used to quantify credits will be limited to the SLC factor.

#### <u>CO</u>

The CO emission factor of 0.012 lbm/MMbtu is based on a test of generators in the same field, fired on oil with the same sulfur content and with the same control equipment. The Test is shown on page 36. This emission factor is below the current SLC limit.

#### VI. Emission Calculations Cont.

# 2. Steam Generators 4013001-'003 & '072

Emission factors from similar sized uncontrolled oil fired-steam generators (operated by Mobil Oil) are used to establish emission factors for these units. To account for fuel sulfur content the tested emission factors for PM10, SO4 and SO2 are adjusted by the ratio of the actual sulfur content to the sulfur content of the tested generators. The tests are shown on pages 35-40 and summarized below:

Permit	PM10	Emission SO4	Factor SO2	lbm/MMBtu NO2	нс	CO Su	Fuel lfur
4011013 4011014 4011066	0.1675 0.0937 0.0907	0.0447 0.0300 0.0424	1.8557 1.7531 1.7434	0.3888 0.3823 0.3500	- - -	0.0068 0.0019 0.0038	1.63 1.61 1.61
Average	0.1173	0.0390	1.7841	0.3737	-	0.0042	1.62
Sulfur Adj.	0.0796	0.0265	1.2100	<u>-</u>	-	-	
SLC EF	0.0500 0.0500	0.0200 0.0600	1.1300 1.1300	0.3800 0.3800		0.025 00 0.030	01,002 072,003

For PM10 and SO4 the source test emission factor exceeds the SLC emission factor the factor used to quantify credits will be limited to the SLC factor.

#### 3. Steam Generators 4013026, '028, '032, '081, '085

#### NO<sub>2</sub>

NO2 emission factor is based on source tests see pages 48-56

# PM10, SO4 & SO2 Steam generator 26

The PM10, SO4 and SO2 emission factors are based on a series of test on generators in the same field, fired on oil with the same sulfur content and with the same control equipment. The Tests are shown on pages 4145 and summarized below:

Date	Emission SO2	Factor PM10	lbm/MMbtu SO4
9/30/86	0.0205	0.0249	0.0143
6/14/85	0.0238	0.1050	0.0516
5/3/84	0.0320	0.0395	-
8/25/83	0.0232	0.0454	
Average	0.0249	0.0537	0.0294
SLC Limit	0.0290	0.0500	0.0200

#### VI. Emission Calculations Cont.

Because these tests show an emission factor higher than the SLC limit for PM10 & SO4 the factor used to quantify credits will be limited to the SLC factor.

#### PM10, SO4, SO2 Steam Generators '028, 032, '081 & '085

These generators are unscrubbed. Emission factors for PM10, SO4 & SO2 can be calculated based on the tests for shown above for unscrubbed generators 4013001-'003 & '072 corrected for sulfur content of 0.7 wt%.

	Emission PM10	Factor SO4	lbm/MMBtu SO2	Fuel Sulfur
Average	0.1173	0.0390	1.7841	1.62
Sulfur Adj. SlClimit CO	0.051	0.0169		0.7

The CO emission factor of 0.012 lbm/MMbtu is based on a test of a similar generators fired on oil with the similar sulfur content and with the same control equipment. The Test is shown on page 36. This emission factor is below the current SLC limit.

#### E. Post Project Emission Factors and Pounds/Day for SLC

The applicant has proposed emission factors the steam generators equal to their current gas fired emission factors in the SLC plan. Steam generators 4013026,'094 & '096 are currently permitted to burn gas with a high sulfur content (TEOR casing gas) and therefore have higher emission factors for PM10, SO2 and SO4.

Each of these generators has is currently included in the SLC plan with throttle and use factors of 80% (overall capacity factor of .64). The emissions factors times the rating times the throttle and use factors result in pounds/day for the SLC.

pounds/day = rating(24)(.8)(.8)(EF)

Emission factors and resulting pounds to be included in the post project SLC plan are shown on pages 65-70.

To insure the reductions are real and permanent i.e. provided by these emissions units annual limits on gas burned to reflect the 80/80 capacity factor will be included on each steam generator permit as a Rule 230.1 condition.

Annual compliance testing consistent with policy E1801 will be required to verify that the units continue to comply with these emission factors.

IV Actual Emission Induction Calculations

PTO \$4012061 25.2 Mibts/kr steam generator assertified

Dule 220.1 Sec V E. 1. Calculation of control equipment or charge to more efficient process

CE: (source test EF - proposed EF)/seurce test EF

	PO10	\$00	504		, 40¢	<b></b>
11 bb1/2qtrs	2480	2480	2488	249	; 	2488
22 bb1/2qtrs	\$100	\$180	\$100	5100	1 6180	5100
93 bb1/2gtrs	2246	214	; 224	: 224	224	2244
N bb1/2etrs	1785	1785	1785	1785	1785	1785
Mistu/ki	6.23580	6.22504	6.23500	6.22500	6,23500	5.23500
ST EF, 1bm/MOta	8.85800	1.13003	6.02000	0.37370	1.0000	(8.00428
Prop EF, 19m/WHRts	3.01300	1.00300	3.90100	0.13000	4.00000	)1.19100
¢E .	1.00000	9.99135	0.15900	B.65213	ERM	0.76190
01 days/2qtr	189	123	199	188	180	198
02 days/2gtr	; 192	182	182	182	102	182
03 days/Zetr	184	114	194	194	; 134	194
94 days/2qtr	184	114	184	184	184	194
Q1 AER	3.44	<b>M.8</b> 1	1.63	29.13	i Ess	; ; 0.27
Q1 ,94AER	1.81	87.13	1.47	18.84	ERO	1.25
Q1 CE ellor	1.11	1.4	4.16	2.89	ERR	1.03
か AER	1.61	191.01	1.36	0.8	£20	i a.57
E14, 9	1.31	179.18	1.02	18.75	ER0	1.51
Q2 CB allow	6.71	19.91	1.14	6.31	ERE	1.96
O AER	1.84	15.77	1.45	18.55	ERO	1.24
194P. CO	2.74	17.29	1.38	16,61	ERM	0.22
03 CB allos	1.33	1.51	0.14	1.65	E80	1.02
OF AER	1 2.42	   <b>u</b> .ii	 	: 14.74	<u> </u>	8.11
SALER 192	2.18	<del></del>	<del></del>	<del></del>		· <del>i</del>
Q4 CS allow	1.20	+	<del>-</del>	<del>.</del>	···	<del></del>

IV Actael Emission Reduction Calculations

#### PTO 64812582 23 MBts/kr steam generator enscrebbed

bule 220.1 Sec V E. 3. Calculation for AER for the addition of control equipment or change to more efficient process

CE: (source test EF - proposed EF)/source test EF

	<b>7810</b>	\$00	\$04	, mot .	; <b>YOX</b>	<b>CO</b>
	<b></b>		 	! ! <del> </del>	 	
ii shi/agtra	1100	1446	2481	; 2480 	1485	2439
12 Mil/Zates	; <b>(465</b>	·	<del></del>			
13 161/2qtrs	2526	·	<del></del>	<b>+</b>	<b></b>	<del></del>
N No1/2qtrs	1455	· •	<del> </del>	<b>+</b>	<del></del>	·
##\$ta/bb	6.23500	1.23500	} 4.235 <b>06</b>	} 6.23500	1.23580	; 6.235 <b>00</b>
	<del> </del>	¦ 	<del> </del>	<u> </u>	; +	<del> </del>
ST EF, 15m/WMts	; 1.45000 	; 1,13889	1.12900	; 0.37370 !	<del></del>	<del></del>
prop EF, the/MMitu	; 0.01000 	† <del>1.00380</del>	; e.00100	0.13860	<del> </del>	<del></del>
<b>Q</b>	1.20000	0.99735	† 0.15000 	0.68213	ERR	4.76199
	ļ	<u> </u>	i 	† +	<u> </u>	-
Bi days/tyse	1111	<b>139</b>	100	; 184	¦ 186	121
@ days/lets	102	182	182	182	182	182
O days/detr	184	184	184	164	184	184
M days/2atr	184	184	114	114	184	114
 			† •	 	)    -	!
OT AER	13.30	36.81	1.63	20.13	; ERD	0.27
E1 .FAER	11.97	67.13	1.47	18.84	ERR	1.25
Q1 CB allow	1.33	9.44	9.16	2.09	E80.	1.0
					1	
<b>数限</b>	11.73	199.99	3.36	4.6	ERR	0.57
EA4. 10	18.56	179.18	1.02	39.75	ERO	0.51
OZ CF slim	1.17	19.61	1.14	4.31	ERE	6.66
 				-		
10 EE	3.42	85.77	1.4	19.55	EBR	1.24
(B.44. 0)	1.81	; 17.2 <b>0</b>	1.24	16.69	ERR	0.22
CI CE al low	0.34	1.54	8.14	1.65	ERR	1.02
			!	!	) 	:
& TES	4.60	\$4.17	1.15	14,74	ERR	1.11
\$4 .9*4ER	4.21	61.35	1.03	13.27	ERA	0.17
Q4 C8 allex	0.47	6.02	0.11	1.41	: ERO	1.12

[Y Actual Epission Andrettine Calculations

PTD 84812003 23 Milita/for stem generator enscribbel

Bule 226.1 Sec Y E. 3. Calculation for AFR for the addition of control agripment or change to more efficient process

EE: (source test EF - proposed EF)/source test EF

	<b>9018</b>	\$02	504	<b>B</b> 02	YOC	CO
***************************************		<u></u>	) 	 		
01 bbl/2gtrs	<b>M</b> 11	3071	1071	\$971	\$671	\$\$71
02 bb1/2qtrs	\$400	340	1488	1481	3485	1400
Q3 bbi/Zqtrs	(SB4	4544	4584	4504	4564	4584
04 bb1/2gtrs	2435	3435	2025	1135	1105	3335
Mita/bb	4.21500	6.21500	1.23500	6.23500	6.23500	1.23500
	) † <del> </del>	 	! ! <del> </del>	}   	<u> </u>	<u> </u>
ST EF, lbn/MCBts	1.6500	1,13006	0.02450	8.37374	1.10000	1.00429
prop EF, lbm/MMbts	8.81306	8.80388	3,30130	9,13000	7. 1900)	0.00100
CE .	9.0000	1.01725	4.66226	8.65213	E88	8.76198
		1			1	1
81 days/Zetr	182	189	180	189	195	180
02 days/2qtr	142	182	182	182	102	182
W days/Retr	184	184	184	114	114	184
O4 days/Zetr	114	184	184	114	114	184
<del></del>	<del></del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del>†</del>
	11.10	115.00	7.13	; <b>14.</b> 13	. 500	1.11
134££. 10	10.96	283.57	1.42	\$1.12	; 500	1.6
Qi CB allow	1.12	21.51	1 0.71	; 6.B1	; <u>BB</u>	1.81
<u> </u>		<del></del>	<del></del>	<del> </del>	}	<del></del>
OZ AER	13.82	31.11	; 8.30	79.35	ERR	1.84
2 .14B	11.72	130.26	7.47	11.42	; <u> </u>	1.14
Q2 CH allow	1.38	<del></del>	1.41	7.14	ERR	0.10
	<del> </del>		+	<del></del>	<del> </del>	
O AR	6.19	172.00	3.89	37,19	EBE	1.4
134. 10	5.0	<del></del>	<del></del>	-+		·
O O allos	· <del> </del>	<del></del>		-+	· <del>†</del>	<del></del>
, w w 1102 		, 16, <b>65</b> - <del> </del>				, 5.52 
i <del>(</del>	i 	i +	<del></del>	1 - <del> </del>		• •
Q4 AER	5.20	+	1.31	-+		- 1.42 
OA .PAER	4.6	+				1 0.37
164 CB #110m	0.52	14.69	0.13	3.11	; ERE	1.14

IV Actual Emission Undection Calculations

PTO 84812026 62.5 Mibts/hr steam generator with selfur scrubber

Bulle 220.1 Sec Y E. 3. Calculation of control equipment or change to more efficient process

EE: (source test EF - proposed EF)/source test EF

	PM10	201	\$51		10t	<b>co</b>
	,	<del>,</del>	,		1	
1 161/2qtrs	31815	21815	31815	31815	31813	31815
02 Mail/Eqtrs	34735	34725	, M115	34735	34735	34735
03 Mb1/Zqtrs	34591	34591	34591	34591	34591	34591
Q4 161/2qtrs	22577	22577	22517	22517	22517	22577
MCIta/kbl :	6.23580	1.23500	6.21500	6.23500	6.23509	6.23500
		·	; ;		·	)   
ST EF, The/WORKs	6.65800	6.62458	6.62000	#. 17 <b>500</b>	.00000	8.81208
arca EF, 16m/MCSta	0.05900	1.02900	1.12136	9.12000	6.00080	<b>1.00100</b>
CE .	0.00000	1.09551	0.0000	0.32981	ERR	(0.91867
	,		!			; ;
R1 days/2qtr	180	185	; 185	180	184	184
02 days/2gtr	102	182	182	182	182	182
Q3 days/2qtr	184	114	114	184	184	184
04 days/2qtr	184	184	184	184	184	184
	!	1	1	1		1
O1 AER	4.00	(.1)	1.0	65.02	ERR	12.12
91 .94AER	1.60	0.#	1.00	\$9.52	<u> 11</u>	10.91
(81 CS al)on	1.00	1.0	1.00	6.59	130	1.21
1	! !	   	!	;	:	
AS TES	1.00	6.00	0.00	78.99	<u> </u>	; ធ.ខ
OZ .SPAER	1.00	6,86	6.00	11.13	ERR	11.81
(02 CB allow	1.00	1,0	0.00	7,10	ERR	1.32
,	1		-	1	1	!
io rei	0.00	1.19	1.90	63.16	EBB	12.03
FAFE. CO.	8.00	1.0	1.00	12.24	ERR	11.60
D CB allow	0.00	1.00	5.06	6.12	ERO	1.21
t 1		†	;	!	1	!
OF TEE	6.00	1.04	8.00	8.14	ERO	1.42
194.92.40;	0.00	1.00	0.00	49.62	E83	1.57
Of CE Film	0.60	1.00	1.00	4.51	; ERS	1.14

IV Actual Emission Reduction Calculations

#### PTO 4013028 62.5 Elbtu/hr steam generator unscrubbed

Rule 220.1 Sec V E. 3. Calculation for ARR for the addition of control equipment or change to more efficient process

CE= (source test EF - proposed EP)/source test EF

			<b></b>	<b>4</b>	<b>+</b>	·
	PW10	S02	¦\$04 +	NO1	190C	CO
			! ! <b>.</b>		: : •	! <del> </del> 
Q1 bb1/2qtrs	31072	31072	31072	31072	31072	31072
Q2 bbl/2qtr#	21724	21724	21724	21724	21724	21124
Q3 bbl/2qtre	7063	7063	7063	7063	7062	1063
Q4 bb1/2qtrs	13024	13024	13024	13024	13024	13024
MRBts/bbl '	6.17600	6.17600	6.17600	6.17600	6.17600	6.17600
	<del>•</del>	†	†	:	;	
ST EF. lbm/MMBtm	0.05100	: 0.72000	0.01690	0.15430	0.00000	0.01200
prop EF. lbm/HHBte	: 0.01000	; 0.00300	0.00100	; 0.12000	; 0.00000	0.00100
CE	; 0.80392	; 0.99583	0.94083	0.22229	ERR	0.91667
• •	<b>;</b>	†******** !	† ]	<b>!</b>	<u> </u>	†
Ql days/2qtr	; 180	† ; 180	180	180	; 180	186
Q2 days/2qtr	182	182	; 192	182	182	182
Q3 days/2qtr	; 181	; 184	184	; i84	; 184	; 184
:Q1 days/2qtr	181	; 184	184	; 184	. 184	184
\$	**************************************	<b>†</b>		;	;	<b>†</b>
GI AEE	: (3.7)	. 764.4C	16.95	36.57	: ERR	11.73
131°E. (9)	39.34	; 607.96	; 15.26	; 22.91	; ERR	; 10.55
[Q] CB allow	1 4.37	76.44	1.70	3.66	: ERR	1.17
• •	<b>†·····</b>	† · · · · · · · · · · · · · · · · · · ·	1	 	† 	<del> </del>
. G2 4EE	30.56	534.43	; 11.85	; 25.51	113	; B.20
Q2 .5*4ER	27.50	180.99	10.67	23.01	; ERR	; 7.38
Q2 CB allow	; 3.06	; 53.44	1.19	2.56	; ERR	0.82
† †	<del>†</del>	<del> </del>	+ !	†*************************************	1	1
(Q) AER	9.72	169.98	3.17	8.13	ERR	2.61
igs .seaer		<b>*</b>	+	· <b>+</b>	. +	
[Q] CB allow	1 0.97	17.00	0.18	8.81	ERR	; 0.26
†	!	<del> </del>		. <del> </del>		
Q4 A <b>ER</b>	•	*	•	14.99	RRI	4.81
<b>†</b>	+				ERR	· •
;Q{ CB allow	+	<b>†</b>	+	. <b></b>	• •	
**************************************				, <del></del>	, DRE	

IV Actual Smission Reduction Calculations

PTO 4013032 62.5 Elbtu/hr steam generator unscrubber

Rule 228.1 Sec V E. 1.
Calculation for AEE for the addition of control equipment or change to more efficient process

CE= (source test EF - proposed EF)/source test EF

	<b>+</b>	<b>+</b>	<b></b>	<b></b>	·	<b>+</b>
	PEIO	\$02	\$04	HOz	; voc	;co
	†   	•   	) <del> </del> 	; ; <b>4</b>	! ! <b>!</b>	<del>!</del>
QI bbl/2qtrs	31020	31020	31020	31020	31020	11020
Q1 bbl/2qtrs	21879	21875	21879	21879	21879	21879
Q3 bbl/2qtrs	1484	7484	7484	7484	7484	1184
Q4 bbl/2qtrs	11252	11252	11252	11252	11252	11252
MMBte/661	6.32000	6.32000	6.32000	6.32000	6.12000	6.32000
	, ( )	1 1		! *	, ! !	4
ST EF. 16e/WHBtu	0.05100	0.12000	0.01690	0.17000	0.00000	0.01200
prop EF, lbm/WHBts	0.01000	0.00300	0.00100	0.12000	0.00000	0.00100
CE	0.80392	0.99583	0.94083	0.29412	ERR	0.91667
	 	,	, }	† 	,	1
Ql days/2qtr	180	180	180	; 160	180	130
Q2 days/2qtr	182	182	182	182	182	182
Q3 days/2qtr	184	; 184	184	; 184	184	184
Q4 days/lqtr	184	184	184	184	184	184
***************************************	 	†	ļ.	†	* :	
OI AEE	11.65	780.92	17.32	54.46	; CRR	11.58
91 .544ER	40.19	702.83	15.59	49.01	: ER	10.78
Q1 CB allow	4.47	78.09	1.73	5.45	ERR	1.20
		:	<del>!</del>	• •	*- <i>-</i>	;
92 VES	31.50	550.80	12.21	38.41	ERR	3.45
ABY6. 20	28.35	495.72	10.99	34.57	ERR	7.61
Q2 CB allow	3.15	55.08	1.22	1.84	ERR	0.85
		†	    -	,	7 ( 1	1
Q3 4E2		184.31	4.09	12.85	ERR	2.43
43 .9*482	1.49	165.88	3.68	11.51	: ERR	
Q3 CB allow				1.29		
	1	†	†   	†	<del>*************************************</del>	
	15.85			19.32		4.25
ge .9º4EL	14.26	249.40	5.53	17.39	; ERR	3.83
Q4 CB allow		21.71				
	· •	<b>*</b>	*	<b>+</b>	t	••••

IV Actual Emission Induction Calculations

PTO 04012072 22 White/hr steam governter asscribbed

Rule 220.1 Sec V E. 3. Calculation for AER for the addition of control opsignment or change to more afficient process

CE: {source test EF - proposed EF)/source test EF

	PH10	<b>502</b>	;S\$4		YOC	Ø
				t t		
1 Mil/Eqtes	1536	1534	1530	1539	3530	HH.
2 <b>061/2qtrs</b>	3827	3821	3827	3027	3027	3027
# 1001/20trs	2092	2052	2012	2092	2992	2012
H bbl/2gtrs	821	821	<b>Q</b> 1	<b>82</b> 1	121	<b>02</b> 1
Mitu/his	6.13500	6.23586	6.23508	S.23500	1.11568	6.23 <b>58</b> 6
		,	1			• •
ST EF, 180/MOILs	1.05000	1.13000	1.12654	0.37370	9.88808	9.00420
prop EF, lba/MMltu	8.81000	1.00300	0.60100	E. 13800	0.00000	0.00100
i E	0.00000	4.99735	1.95225	0.65213	£105	8.75198
	;					! !
01 days/Zetr	188	189	186	180	189	125
Q2 days/2qtr	182	182	182	182	182	182
Q3 days/2qtr	184	184	184	184	194	184
Q4 days/2qtr	184	184	184	184	194	184
Q1 AER	4.89	137.00	3.12	29.40	ERO	1.71
Q1 .9#AER	4.4	124.02	2.81	28.82	; (89	1.15
Q1 CB allow	0.45	13.78	0.31	2.91	ERO	1.84
	;				;	
ST YES	; 5.39	; 18.4	1.14	12.11	E 402	8.42
13. SPAER (2)	4.17	134.45	1.94	21.10	ERE	1.31
Q2 CB allow	1.53	14.14	1.14	1.21	<u> </u>	1.14
			!			
d) YES	2.14	79.03	1.81	17.20	ERR	
FEAst. ED	2.55	71.00	1.63	15.55	ERD	1.20
03 CB allow	0.28	7.91	0.11	1.73	EXO	1.42
- 1 t	1		1			
OL VES	1.11	11.35	6.71	6.70	ER	9.09
D4 .SFAER	1.80	21.22	1.64	6.10	ERE	1.11
int to allow	0.1	1.1	1, 1.17	1.51	ERO	1.11

IV Actual Smission Reduction Calculations

PTO (01308) 62.5 EBbts/hr steam generator unscrubbed

Rule 220.1 Sec V E. 3.
Calculation for AIR for the addition of control equipment or change to more efficient process

CE: (source test SF - proposed EF)/source test EF

	(PM10 )	502	\$04	NO1	YOC !	00
	; •		) 	) 	; ; ;	
Q1 bb1/2qtrs	; 12490 ;	32490	12490	12490	32490 ;	32490
Q2 bbl/2qtra	19151	19751	19751	19751	19751	19751
Q3 bbl/2qtrs	6719	6719	6719	6719	6719	6719
Q4 bb1/2qtrs	11441	11441	11441	11441	11441	11441
MRBte/bbl	6.17600	6.17600	\$.1760D	6.17600	\$.17600	6.17600
*************				1		
ST EF, 1bm/HHBtm	0.05100	0.72000	0.01690	0.16080	0.00000	0.01200
prop EF, lbm/EBBtu	; 0.01000 ;	0.00300	0.00100	0.12000	0.00000	0.00100
CE	0.80392	0.99583	0.94083	0.25373	ERR :	0.91667
	†		ļ		*	
Q1 days/2qtr	180	180	180	180	189 :	180
Q2 days/2qtr	182	182	182	; 182	182 :	182
Ql days/2qtr -	1 184	184	184	184	184	184
Q4 days/2qtr	184	184	184	184	184	184
	1	<b>†</b>	•	*	<b></b>	
GI AER	1 45,71	799.29	17.72	: 45.48	. ERR	12.25
Q1 .9*AER	1 41.13	719.36	15,95	40.93	ERR :	11.04
Ol C6 allow	1 1.51	79.93	1.77	4.55	ERR !	1.23
			 	• • • • • • • • • • • • • • • • • • •		
Q2 AEB	27.78	185.90	16.78	27.65	ERE	7.15
		. 4			ERR	5.71
192 .9*AER	; 25.01					
QZ CB allow	2.18	-+		•		
1	1		: •			· -+
Q3 48R	3.25	1 161.70	3.59	9.20	! EPA	Z.40
103 .1141	1 8.33	145.5	3 ; 3.2	3 ; 8.21	1 ;	
:03 CB allow	0.9	1.9] } 5	7 ; 0.3	§ ; P.3.	, BE	
1	;	į	1		4	
104 AER	15.7	4 ; 275.4	14 ; 44.1			4
104 .9*48%	14.1	7 , 247 (	81 ; 5.	50; 11-1	U i BA	
;Q4 CB allow		57 ; 21.	53 ; 0.	61 1.	ST SE	R   0.4

IV Actual Emission Reduction Calculations

PTO 4013085 62.5 Whbtu/hr steam generator unscrubbed

Rule 220.1 Sec V E. J.

Calculation for ARR for the addition of control equipment or change to more efficient process

CE= (source test EF - proposed EF)/source test EF

			<b>.</b>	<b></b>	<b></b>	4
	PE10	502	504	#Oz	VOC	;co
		, ,	}		1	}
Q1 bbl/2gtrs	31665	31665	31665	31665	31665	31665
Q2 bbl/2qtrm	22014	22014	22014	22014	22014	22014
Q3 bbl/2qtra	1654	165(	7654	7654	7654	1654
Q4 bbl/2gtrs	12698	12698	12698	12698	12698	12698
MMBtu/bbl	6.32000	6.32000	6.32000	6.32000	6.32000	6.32000
		† • • • • • • • • • • • • • • • • • • •	*	• · · · · · · · · · · · · · · · · · · ·	•	1
ST RF, lbm/MMBtu	0.05100	0.72800	0.01690	0.17300	0.00000	0.01200
prop EF.  bm/MKBtu	0.01000	0.00380	0.00100	0.12000	0.00000	:0.00100
CE	0.80392	: 0.99583	0.94083	0.30536	ERR	;0.91667
	,		• !	† <i>*</i> ! !	**************************************	:
Ql days/2qtr	180	180	; 180	; I80	180	; 180
Q2 days/2qtr	182	182	: 182	182	. 182	: 182
Q3 days/2qtr	184	134	184	181	184	: 184
Q4 days/2qtr	184	184	184	; 184	184	; 184
	•	† !	* ; ,	<u> </u>	• !	;
Q1 AER	45.58	197.16	17.68	: 58.93	ERL	12.23
QI .9*AER	41.03	; 117.41	15.91	; 53.03	: ERR	; 11.01
G1 CB allow	4.56	19.72	1.77	5.89	ERR	1.22
***************************************	• •	! !	<del>}</del>	<del>*</del>	* :	;
Q2 AER	31.69	554.28	12.29	; 40.97	ERR	: 8.50
ABYs . 20	28.52	(98.78	11.06	36.87	ERA	7.65
Q2 CB allow	3.17	55.42	1.23	4.10	ERR	0.85
	,	,	,	, ! !	, <del></del> ! !	
			1.18	13.93		-
gg .9*488	•	•	•	12.54	*	•
Q3 CB allow	1.08	18.85	0.12	1.39	, BRR	0.29
	,	†	,	T	₹************************************	!
Q4 ABI	17 11	312.72	6.93	23.12	ERR.	4.80
Q4 .9'ARR	16.09	281.45	•	20.80	GR2	1.32
Q4 CB allow		1 31.27	. 0.69	; 2.31		. 0.48

IV Actual Emission Induction Calculations

FTO 94812894 \$2.5 Minte/hr steam generator with selfer scrabber

Rale 229.1 Sec V E. 3.

Calculation for AEM for the addition of control equipment or change to more efficient process."

CE: (source test EF - proposed EF)/source test EF

	PM10 :	\$07	\$504	1002	YOC	; CO
11 <b>16</b> 1/2gtrs	21065	11865	31865	31865	11865	31865
02 bb1/2qtrs	, 6878 ;		·	ļ	\$070	
Di Mai/Zetra	; 1	1	; 1	;	. 0	<del> </del>
H bb1/Zqtrs	10574	10574	10574	10574	10574	18574
NG ta/bb	6.19982	6.19980	6.19900	6.19900	6.19900	6.19980
ST EF, The/MORte	8.83920	1.42001	; 0.02850	9.16418	; 0.00001	    0.01200
prop EF, lbm/Milita	t.05380	1.02090	; a.03480	1.41006	; 0.00000	¦1.09100
ţį	1,00966	1.0000	0.0000	0.45155	; <u>(100</u>	  8.91667 
Q1 days/Zqtr -	188	184	; ; 103	; ; 180	; ; 1\$4	181
02 days/fatr	102	182	; 182	182	† 182	; 182
D) days/lett	194	114	; 184	184	114	114
04 days/2qtr	184	114	114	184	184	114
Q1 AER	0.90	; I.0	; ; 0.80	81.32	ERR	12.07
91 .0449. 10	; 1.0	¦ 1.84	1.50	73.19	ENR	10.84
Q1 EB allow	; 1.0	) a.m	; 1.00	8.12	; EXX	; 1.2 <b>1</b>
( <u> </u>	<del> </del>	<del></del>	<u> </u>	!	-	<del> </del>
OS YES	0.00	1.0	; 4.00	12.44	ERR	1.92
1344. S	1.00	1.0	1.00	11.44	580	1.71
Q2 CS allow	1.8	1.05	1.00	1,29	E20	6.11
 	<u> </u>	<del> </del>	<del> </del>		<del> </del>	<u> </u>
E3 451	-+	+	<del></del>	1.00	-+	1.0
<del> </del>	-+	+	-+	ļ <b>6.00</b>	+	1.8
CS CS allow	1.00	1.00	1.90	1.60	; ERR	1.0
M TE		; 	; 	1 28.4	; 	1, 1.1
<del> </del>		1.6			ERE	
(94 C) allow						

IV Actual Emission Reduction Calculations

PTO \$4812896 \$2.5 Withte/hr steam generator with sulfur scrubber

Balle 220.1 Sec 1 E. 3.

Calculation for AER for the eddition of control equipment or charge to more efficient process

EE: (source test EF - proposed EF)/source test EF

	9118	<b>S0</b> 2	504	<b>60</b> 2	AOC	<b>x</b>
	ļ •	<del> </del>	! !	! +		! !
N1 bb1/2qtrs	31899	31899	31899	11899	11291	11899
02 Mail/Esptura	5554	5554	5554	\$554	5554	1554
D Wel/Zept.rs	0	1	1	1	. 0	
N Mil/Zetrs	19481	18481	16481	19481	18481	18481
1813 ta/bb	6.19900	6.19900	8.19900	6.19300	6.19900	1 . 19900
		;	\$ \$ \$			<u> </u>
si ef, im/mita	0.03120	8.82997	1.02050	B. 1641B	1.02000	0.01200
prop EF, <b>Tan/Wil</b> to	1.65300	9.02050	1.83483	1.09900	6.00004	0.00100
Œ	0.00800	8.00000	0.60000	1.415	EM	1888.0
	1		! !	1	1	
\$1 <b>6174/26</b> 17	190	163	189	183	184	140
W days/dift	102	182	187	102	192	182
li daya/dipto	184	184	184	194	184	184
04 days/batr	114	184	184	194	144	184
	1	1	1			
Q1 AER	1.00	8.80	1.90	81.4	ERA	12.60
F1.19	1.93	. 0.00	0.00	11.25	ERR	10.00
Ol CO alles	0.60	0.69	1.00	L.14	ERR	1.21
			}	}		
65 YES	0.00	9.01	1.00	14.17	ERR	2.10
1944. W	1.90	1.88	0.10	12.76	(80	1.83
OZ CS alles	1.00	; 0.M	1.8	1.42	; 88	1,21
 	<u> </u>	<u> </u>	 	† - <del> </del>	¦ - <del> </del>	<del> </del>
(O 163	6.00	9.80	0.00	1.01	ERA	1.81
EAPP. CD	9.90	1.00	0.00	1.00	ERR	0.00
O C alle	9.80	0.00	1.60	1.00	ERR	0.8
<u> </u>	: - <del> </del>	-	·   	!		
Of YEA	1.00	0.03	0.00	28.17	; ERD	1.0
BJ4, 10	1.66	1.00	1.8	23.55	ERM	1.5
Q4 CE alleu	1.00	1.00	9.00	2.42	; ERN	1.39

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# Summary of Creditable Actual Emissions Reductions First Quarter

Permit	PM10	S04	SO2	NO2	со
** 910703 4012094 4012096 ** Subtotal **	0.00	0.00	0.00	73.19 73.26	10.88
<b>**</b> 910704	0.00	0.00	0.00	146.5	21.74
4012001 ** Subtotal **	3.09	1.47		18.84 18.84	0.25
** 910705 4012026	0.00	0.00	•		
** Subtotal **	0.00	0.00		<ul><li>58.52</li><li>58.52</li></ul>	
** 910706 4012003	10.06	6.42	283.57	61.32	0.81
** Subtotal **	10.06	6.42	283.57	61.32	0.81
** 910707 4012072 4012002 ** Subtotal **	4.40 11.97	1.47	124.02 87.13	18.84	0.35 0.25
<b>**</b> 910708	16.37	4.28	211.15	45.66	0.60
4012032 4012085 ** Subtotal **	41.03	15.91	702.83 717.44	53.03	10.78 11.01
<b>**</b> 910709	81.22	31.50	1420.3	102.0	21.79
4012028			687.96 719.36		
*** Total ***			<ul><li>1407.3</li><li>3409.4</li></ul>		

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Summary of Creditable Actual Emissions Reductions Second Quarter

Permit	PM10	SO4	SO2	NO2	co
** 910703					
4012094	0.00	0.00	0.00	11.64	1.73
4012096		0.00		12.76	
** Subtotal **	0.00	0.00	0.00	12.10	1.03
++ Subtotal ++	0.00	0.00	0.00	24.40	3.62
** 910704					
	0 20	2 02	170 10	00 75	0.51
4012001	0.30	3.02	179.18	38.75	0.51
** Subtotal **					
	6.36	3.02	179.18	38.75	0.51
<b>**</b> 910705					
4012026	0.00	0.00	0 00	63.89	11 01
		0.00	0.00	03.63	11.51
** Subtotal **					
	0.00	0.00	0.00	63.89	11.91
** 910706					
4012003	11.72	7.47	330.26	71.42	0.94
** Subtotal **					0.0.
Jubiotal +*		7 47	220 06	71 40	0.01
	11.72	1.47	330.26	11.42	0.94
<b>**</b> 910707					
4012072			134.46		
4012002	10.56	3.02	179.18	38.75	0.51
** Subtotal **					
	15 33	6 06	313.64	67 93	0.00
	10.00	0.00	210.04	31.03	0.03
** 010700					
** 910708		40.00	405 55		
			495.72		
4012085	28.52	11.06	498.78	36.87	7.65
** Subtotal **					
	56.87	22.05	994.50	71.44	15.26
** 910709					
4012028	97 KA	10 67	480.99	22 A1	7 20
4012028					
	20.01	3.10	437.31	24.88	6.71
** Subtotal **				_	
	52.51	20.37	918.30	47.89	14.09
*** Total ***					
	142.8	58.97	2735.9	385.6	47.22
	- · - · <del>-</del>				

# Projects 910703-910709

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# Summary of Creditable Actual Emissions Reductions Third Quarter

Permit	PM10	SO4	SO2	NO2	со
<b>**</b> 910703					
4012094	0.00	0.00	0.00	0.00	0.00
4012096	0.00	0.00	0.00	0.00	0.00
** Subtotal **				_	
8024190	0.00	0.00	0.00	0.00	0.00
** 910704					
4012001	2.74	1.30	77.20	16.69	0.22
** Subtotal **					
4012001	2.74	1.30	77.20	16.69	0.22
** 910705					
4012026	0.00	0.00	0.00	62.24	11.60
** Subtotal **					
4012026	0.00	0.00	0.00	62.24	11.60
<b>**</b> 910706					
4012003	5.49	3.50	154.80	33.47	0.44
** Subtotal **					
4012003	5.49	3.50	154.80	33.47	0.44
<b>**</b> 910707					
4012072	2.55	1.63	71.90	15.55	0.20
4012002	3.08	1.30	77.20	16.69	0.22
** Subtotal **					
8024074	5.63	2.93	149.10	32.24	0.42
<b>**</b> 910708					
4012032	9.49	3.68	165.88	11.57	2.54
4012085	9.70		169.65		2.60
** Subtotal **					_,,,
8024117	19.19	7.44	335.53	24.11	5.14
<b>**</b> 910709					
4012028	8.75	3.39	152.98	7.32	2.35
4012081	8.32	3.23	145.53	8.28	2,23
** Subtotal **		- · <b>- ·</b>		_,	
8024109	17.07	6.62	298.51	15.60	4.58
*** Total ***				· <del></del>	
.4E+08	50.12	21.79	1015.1	184.3	22.40

# Projects 910703-910709

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Summary of Creditable Actual Emission Reductions Fourth Quarter

Permit	PM10	<b>S</b> 04	S02	NO2	co
** 910703 4012094	0.00	0.00	0.00	23.76	2.64
4012096	0.00	0.00		23.55	3.50
** Subtotal **					
8024190	0.00	0.00	0.00	47.31	6.14
<b>**</b> 910704					
4012001	2.18	1.03	61.35	13.27	0.17
** Subtotal **					
4012001	2.18	1.03	61.35	13.27	0.17
<b>**</b> 910705					
4012026	0.00	0.00	0.00	40.62	7.57
** Subtotal **					
4012026	0.00	0.00	0.00	40.62	7.57
<b>**</b> 910706					
4012003	4.68	2.98	131.81	28.50	0.37
** Subtotal **					
4012003	4.68	2.98	131.81	28.50	0.37
<b>**</b> 910707					
4012072	1.00	0.64	28.22	6.10	0.08
4012002	4.21	1.03	61.35	13.27	0.17
** Subtotal **					
8024074	5.21	1.67	. 89.57	19.37	0.25
** 910708					
4012032	14.26	5.53	249.40	17.39	3.83
4012085	16.09	6.24	281.45	20.80	4.32
** Subtotal **					
8024117	30.35	11.77	530.85	38.19	8.15
** 910709					•
4012028			282.10		
4012081	14.17	5.50	247.81	14.10	3.80
** Subtotal **					
8024109	30.30	11.76	529.91	27.59	8.13
*** Total *** .4E+08	72 72	20 21	1949 5	214 0	20.70
.4ETU0	16.12	63.61	1343.5	414.9	30.78

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Community Bank Summary of Creditable Actual Emissions Reductions First Quarter

Permit	PM10	S04	S02	NO2	CO	
<b>**</b> 910703						
4012094			0.00			
4012096	0.00	0.00	0.00	8.14	1.21	
** Subtotal **						
	0.00	0.00	0.00	16.27	2.42	
<b>**</b> 910704						
4012001	0.34	0.16	9.68	2.09	0.03	
** Subtotal **						
	0.34	0.16	9.68	2.09	0.03	
_						
<b>**</b> 910705						
4012026	0.00	0.00	0.00	6.50	1.21	
** Subtotal **						
	0.00	0.00	0.00	6.50	1.21	
** ***						
** 910706						
4012003	1.12	0.71	31.51	6.81	0.09	
** Subtotal **						
	1.12	0.71	31.51	6.81	0.09	•
** 010505						
** 910707	0.40	A 01	10 50	0 00		
			13.78			
4012002	1.33	0.16	9.68	2.09	0.03	
** Subtotal **	4 00			- 0-		
•	1.82	0.47	23.46	5.07	0.07	
** 910708		•				
	A A 7	1 72	70 AG	E 4E	1 20	
4012032			78.09 79.72			
** Subtotal **	4,50	1.11	13.12	0.03	1.22	
** Subtotal **	0 N3	3 50	157.81	11 24	2 42	
	3.00	5.30	101.01	11.34	2.42	
** 910709						
4012028	4.37	1,70	76.44	3.66	1.17	
4013081			79.93			
** Subtotal **						
	8.94	3,47	156.37	8.21	2.40	
*** Total ***	_ ,		200101			
<del></del>	21.25	8.31	378.83	56.29	8.64	

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Summary of Creditable Actual
Emissions Reductions
Second Quarter

			Dec.	Jild dag	
Permit	PM10	SO4	SO2	NO2	co
** 910703					
4012094	0.00	0.00	0.00	1.29	0.19
4012096	0.00	0.00	0.00	1.42	0.21
** Subtotal **					
	0.00	0,00	0.00	2.71	0.40
** 910704					
4012001	0.71	0.34	19.91	4.31	0.06
** Subtotal **		, , , , ,	10.01	1.01	01.00
	0.71	0.34	19.91	4.31	0.06
** 910705	0.00	0.00		5 40	4 00
4012026		0.00	0.00	7.10	1.32
** Subtotal **		0.00	0.00	7 10	1 20
	0.00	0.00	0.00	7.10	1.32
** 910706	•				
4012003	1.30	0.83	36.70	7.94	0.10
** Subtotal **		0.00	00.70	1.52	0.10
Jubioual	1.30	0.83	36.70	7.94	0.10
** 910707					
4012072					
4012002	1.17	0.34	19.91	4.31	0.06
** Subtotal **	1 70	0 00	04.05		
	1.70	0.68	34.85	7.54	0.10
** 910708			•		
	3 15	1 22	55.08	3 84	0.85
4012085			55.42		
** Subtotal **	0.1.	1.25	00.42	4.10	0.00
3-30000	6.32	2.45	110.50	7.94	1.70
<b>**</b> 910709					
4012028			53.44		
4013081	2.78	1.08	48.59	2.76	0.75
** Subtotal **					
	5.84	2.27	102.03	5.32	1.57
*** Total ***	4- 4-				
	15.87	6.57	303.99	42.86	5.25

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Summary of Creditable Actual Emissions Reductions
Third Quarter

Permit	PM10	SO4	S02	NO2	CO.
<b>**</b> 910703					
4012094	0.00	0.00	0.00	0.00	0.00
4012096	0.00	0.00	0.00	0.00	0.00
** Subtotal **					
8024190	0.00	0.00	0.00	0.00	0.00
** 910704					
4012001	0.30	0.14	8.58	1.85	0.02
** Subtotal **					
4012001	0.30	0.14	8.58	1.85	0.02
<b>**</b> 910705					
4012026	0.00	0.00	0.00	6.92	1.29
** Subtotal **					
4012026	0.00	0.00	0.00	6.92	1.29
** 910706					
4012003	0.61	0.39	17.20	3.72	0.05
** Subtotal **					
4012003	0.61	0.39	17.20	3.72	0.05
** 910707		•			
4012072	0.28	0.18	7.99	1.73	0.02
4012002	0.34	0.14	5.58	1.85	0.02
** Subtotal **					
8024074	0.62	0.32	13.57	3.58	0.04
** 910708					
4012032	1.05	0.41	18.43	1.29	0.28
4012085	1.08	0.42	18.85	1.39	0.29
** Subtotal **					
8024117	2.13	0.83	37.28	2.68	0.57
** 910709					
4012028	0.97	0.38	17.00	0.81	0.26
4013081	0.92			0.92	0.25
** Subtotal **					
8025109	1.89	0.74	33.17	1.73	0.51
*** Total ***					-
.4E+08	5.55	2,42	109.80	20.48	2.48

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Summary of Creditable Actual
Emission Reductions
Fourth Quarter

Permit	PM10	504	<b>S</b> 02	NO2	co
<b>**</b> 910703					
4012094	0.00	0.00	0.00	2.64	0.39
4012096	0.00	0.00	0.00	2.62	0.39
** Subtotal **	0.00	0.00	0.00	2.02	0.55
8024190	0.00	0.00	0.00	5.26	0.78
,		. 0.00	0.00	0.20	00
** 910704					
4012001	0.24	0.11	6.82	1.47	0.02
** Subtotal **					
4012001	0.24	0.11	6.82	1.47	0.02
<b>**</b> 910705					
4012026	0.00	0.00	0.00	4.51	0.84
** Subtotal **					
4012026	0.00	0.00	0.00	4.51	0.84
<b>**</b> 910706					
4012003	0.52	0.33	14.65	3.17	0.04
** Subtotal **					
4012003	0.52	0.33	14.65	3.17	0.04
<b>**</b> 910707	_				
4012072		0.07			
4012002	0.47	0.11	6.82	1.47	0.02
** Subtotal **					
8024074	0.58	0.18	9.96	2.15	0.03
** 010500					
** 910708	4 50	0 01	00.01		
4012032	1.58	-	27.71		
4012085	1.79	0.69	31.27	2.31	0.48
** Subtotal ** 8024117	3.37	1.30	E0 00	4 04	0.01
0024111	3.31	1.30	58.98	4.24	0.91
<b>**</b> 910709		•			
4012028	1.70	0.70	31.34	1 50	0.40
4013081			27.53		
** Subtotal **	1,01	0.01	21.00	1.01	0.42
8025109	3.36	1.31	58.87	3 07	0.90
*** Total ***	0.00	1.01	00101	0.07	0.50
.4E+08	8.07	3,23	149.28	23.97	3 52
	0.01	0.20	72440	40.01	0.04

Pages 35-70 contained in Project 910703 ERC 4013094/101/201/401/601 Only

#### VII. Conclusions

- A. Because these emission reductions can be validated as Actual Emission Reductions they qualify for ERC banking certificates that may be used in accordance with the requirements of Rule 220.1.
- B. Because these reductions occurred after 1/1/88 the 10% adjustment for the community bank shall be made at the time the reductions are quantified and shall not be included in the amount of the ERC Banking Certificate.

#### VIII. Recommendations

After public notice and review issue ERC Banking Certificates in the amounts shown on pages 27-30 totaling the following:

	PM10	SO4	SO2	NO2	CO
1st Qtr	191.20	74.88	3409.40	506.70	77.69
2nd Qtr	142.80	58.97	2735.90	385.60	47.22
3rd Qtr	50.12	21.79	1015.10	184.30	22.40
4th Qtr	72.72	29.21	1343.50	214.90	30.78

Upon issuance of ERC Banking Certificates deposit to the community bank the following amounts

	Pounds/day				
	PM10	SO4	SO2	NO2	CO
1st Qtr	21.25	8.31	378.83	56.29	8.64
2nd Qtr	15.87	6.57	303.99	42.86	5.25
3rd Qtr	5.55	2.42	109.80	20.48	2.48
4th Qtr	8.07	3.23	149.28	23.87	3.52

Project. 103 47010)	
SUMMARY OF PROBLEMS ENCOUNTERED DURING APPLICATION PROCESSING	
COMPANY NAME: SWEP West Cocst	
PROJECT DESCRIPTION: CONVERT & 565 to Gas Fived	
Only Bank Credits	
BRIEF DESCRIPTION OF PROBLEMS ENCOUNTERED:	
1. Alternate time period request not approved. Calculations salmitted not consistent with	abk
2. Calculations salmitted not consistent with	R 270,
3.	
4.	٠
5	,
6.	
7.	
8.	
9.	
10	•

FRACTION OF TOTAL PROCESSING TIME SPENT ON CORRECTING THE ABOVE:

# ENGINEERING EVALUATION OF APPLICATIONS FOR AUTHORITY TO CONSTRUCT

## BREAKDOWN OF PROCESSING TIME

Company Name: SWEP West coast	<u>.</u>	
Company Number: 4013 Project Number: 91	10703-910709	
Project Description: Banking Certs for Conv	, , ,	es fixed Only
Processing Dates, Including Preliminaries: 7/9/91	8/13/91 9/30/91	12/6/91
1/25/92 1/24/92 1/25/92 1/26/	192 1/27/12 1/30	1921/31/42
PROCESSING ACTIVITY:	ACTIVITY TIME (HOURS):	INITAL:
Initial Contact: telephone in person	————	<u> </u>
Project Entry into System 36:	1.0	12
Preliminary Review:	3.0	<u>E</u>
Organization/Familiarization:	1,5	Ste
Project Description/Schematic/Equipment Listing:	_15_	49
Listing of Applicable Rules:	15	47
Design Review of Air Pollution Control Equipment:	-	
Calculation of Expected Emissions Credits	<u>8.0</u>	£
Air Quality Impact Assessment Review (Modeling):		·
Preparation of Emission Profiles:		
CEQA Review:		
Health Risk Assessment Review:		
Reworking of Application Due to Changes:	<del></del>	
Preparation of Rough Draft A's to C:EPC	.5	Se
Preparation of Written Requests for Information:	1.0	<del>SZ</del>
Telephone and Verbal Requests for Information:	1,0	Ste
General Meetings with Applicant:	15	FG.
System 36 Data Entry (Including Emissions):	1.0	Ke
:	<del></del>	
total time spent on evaluation:  18-5 hus Coschr = \$925 fee	18,50 es paid \$14530	De la companya della companya della companya de la companya della

Request for 90 day extension received on \_\_\_/\_\_/\_\_

PROJECT EVALUATION STATUS REPORT	PROJECT # 4013 9010
DATES SUBMITTED:	
PROJECT ENGINEER: Lauce Ericksen	ASSIGNMENT DATE: / /
COMPANY: Stell Western Exproject: E	Res for Dal firing to has End
ERC NUMBER(S): 4013 UCI/101/201/30/601	RECEIPT DATE: 7/9/91
DATE PACKAGE DEEMED COMPLETE: 12/6/9/	180th DAY: 615192
	60 days 2/4/92
EVALUATION STATUS SUMMARY:	
12/6/91 Project proposal familiarization comple	ted
$\frac{1/25}{2}$ Project proposal description complete	
Listing of applicable Rules and Regulat	ions completed
notres Project proposal schematic(s) completed	•
Design review of emissions control syst	em(s) completed
1/30 Calculation of expected air contaminant	emissions completed
Notrey Preparation of emission profiles comple	ted
$\frac{1/30}{2}$ Comprehensive listing of conclusions &	recommendations completed
//30 Rough draft A's to 6 completed	
Applicant notified of A to C requiremen	ts different than proposed
1/31/97Project evaluation aubmitted to Manager	of Engineering as complete
•Waiting for additional information requ	ested by:phoneletter
Applicant notified of pending denial on	
Request for 90 day extension received o	n/

Applicant notified of pending denial on \_\_\_/\_\_/

Request for 90 day extension received on \_\_\_/\_\_/

Waiting for additional information requested by: \_\_phone \_\_\_letter

\_\_\_\_\_Applicant notified of pending denial on \_\_\_\_/\_\_/

Request for 90 day extension received on \_\_\_/\_\_/

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# , Prej 4013 910703-910709

## FINAL CHECKLIST

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1	Engineering analysis includes all items described in guidelines, all items appear in correct order, and all parts of analysis read logically and are legible.
rotex-	Rule 210.1 Certificate of compliance, if required, has been received and is of proper content and form.
$\checkmark$	Package is divided into sections (each one in a folder) as described in guidelines and each folder has a correctly prepared label.
₩	Rough draft Aste C have been prepared in accordance with guidelines and in correct format with correct punctuation. Drafts read logically and are legible. Each Design and Operational condition is followed by number of rule requiring the condition or providing basis for the condition.
	Applicant has been notified by telephone of all conditions appearing in $A$ 's to $C$ but not proposed in application.
notreg	Emissions summary sheets (one for whole project and one System 36 printout for each A to C) have been prepared including net emissions change for whole stationary source. NSPS status has been marked.
notucy	Emission profiles have been prepared according to guidelines, a maximum daily emission rate has been set, and compliance (on a "moving" yearly average) has been required.
id regi	NSPS/NESHAPS, BACT/LAER, and/or NSR report has been prepared, with three copies of each.
d ray	rKCAPCD Grant Objectives report has been prepared for approval of source emitting over 82 lbm/day PM <sub>10</sub> and for sources "netting out" of NSR requirements for any criteria air contaminant.
12t 122	Source test requirements summary has been prepared (don't specify emission limits, just mark "inlet", "outlet", "units", etc.), and one copy has been made.
./ <b>. FT K</b>	Permit fee billing edit has been prepared which includes all A's to C involved in project, even if there is no fee due for one or more A's to C.
<u>\( \lambda \) \( u>	Problems encountered summary sheet has been prepared which includes all items (understandably and clearly described) which resulted in unnecessary expenditure of time; unnecessary meaning that the time would not have been spent if the application had been correctly submitted, the data was all correct, no changes were made "in midstream", etc.
1	Engineering evaluation time sheet has been prepared which incudes all time spent in processing the applications. This includes time spent discussing the application with others, time spent, revising, etc.
Signe	ed: Jame Erufac Project Evaluation Engineer
Initi	aled: At, Reviewing Engineer

\_\_\_\_Applicant notified of pending denial on \_\_\_/\_\_/

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# NEW FILE REQUEST FORM

Company Name: Shell Western (FTP, Inc.)  ERC. Permit Number: 4013003/101/201/301/401/601 910706
Description: Conversion to Bas Fired only of
One Oilfield Steam Generator
Location: Central Heavy Orlfreld Processors Name:
File Type (check one): ATC PTO Issue Date:
Support Documents Included With Request Form?YesNo
Return File to Permit Processor? Yes No Please We
Folder Size: Pocket Regular_1/ SEC 6 T 295 R 28E