PROJECT ROUTING FORM

PROJECT NUMBER: 980294 FACILITY ID: 2006 PERMIT NOs: _____

APPLICANT NAME: CALAVERAS MATERIALS INC.

PREMISE ADDRESS: 1000 NEES AVENUE, FRESNO

PRELIMINARY REVIEW	ENGR	DATE	SUPR	DATE
A. ~~Application Deemed Incomplete~~ Add'l Info	EV	11/2/00	DW	11/2
B. Application Deemed Complete [ ] Awaiting CB Offsets				
C. Application Pending Denial				
D. Application Denied				

ENGINEERING EVALUATION	INIT	DATE
E. Engineering Evaluation Complete	EV	7/8/03
F. Supervising Engineer Approval		7/10/03 Prelim 7/15/03 Final
G. Compliance Division Approval [√] Not Required		
H. Permit Services Manager Approval	DW	8/21 Signed for SS 8/21/03

Director Review: [ ] Not Required [X] Required

CLERICAL STAFF: Perform tasks as indicated below. Initial and date when completed.

[ ] **PRELIMINARY REVIEW**
- [ ] _____ Mail Incompleteness Letter to the Applicant.
- [ ] _____ Mail Completeness Letter to the Applicant.
- [ ] _____ Mail Intent to Deny Letter to the Applicant **(Certified Mail)**.
- [ ] _____ Mail Denial Letter to the Applicant **(Certified Mail)**.

[ ] **PROJECTS NOT REQUIRING PUBLIC NOTIFICATION**

[ ] PRELIMINARY DISPOSITION:
- [ ] _____ Mail Imminent Denial Letter to the Applicant **(Certified Mail)**.

[ ] FINAL DISPOSITION:
- [ ] _____ Mail ATC(s) to Distribution.
- [ ] _____ Mail Denial Letter to the Applicant **(Certified Mail)**.

[ ] **PROJECTS REQUIRING PUBLIC NOTIFICATION**

[ ] PRELIMINARY DECISION:
- [ ] _____ Deliver Ad to the Newspaper NOT LATER THAN _____
- [ ] _____ Mail copies of Cover Letter and Engineering Evaluation to Distribution.

[ ] FINAL DECISION:
- [ ] _____ Deliver Ad to the Newspaper NOT LATER THAN _____
- [ ] _____ Mail copies of Cover Letter and ATC(s) to Distribution.
- [ ] _____ Mail copies of Cover Letter to Distribution.

DISTRIBUTION

[ ] _____ APPLICANT
[ ] _____ ENGINEER
[ ] _____ COMPLIANCE
[ ] _____ PREMISE FILE

[ ] _____ EPA - 75 Hawthorne St., San Francisco, CA 94105 Attn: A-3-4
[ ] _____ ARB - Stationary Source Div. Chief, PO Box 2815, Sacramento, CA 95812
[ ] _____ SJVUAPCD - 1999 Tuolumne St., Fresno, CA 93721 Attn: Seyed Sadredin

[ ] _____ BLDG DEPT _____
[ ] _____ FIRE DEPT _____
[ ] _____ OTHER _____
[ ] _____ SCHOOL _____

TELEPHONE RECORD FORM

Date/Time	Names of All Persons Involved and Conversation Record
9/27/99	EV called Burt Gilpin @ 277-7060 and asked that he return my call. I stated that I needed to receive the information in order to proceed with the project.
10/13/99	EV called Burt Gilpin and left message with secretary ? asking to have him call me so I can discuss the project.
1/7/00	EV contacted Mr. Gilpin explaining that as of yet, I have not received any information from him for the ERC project. He did not recall he needed to get more info on the project, and asked that I send him something in writing. I told him I would get a flow diagram together (similar to other asphalt batch plants I had worked on) so he could fill the appropriate information.
3/31/01	Spoke with Mr. Gilpin again asking if he had been able to finally get the information. He said that he couldn't find the letter we sent, so I said I would fax a copy to him this afternoon.
8/7/01	EV called Burt Gilpin of Calaveras Materials and left a message on his voicemail asking him to call me back.
7/10/02	EV called Mr. Gilpin on his cell phone (286-9538) and left a message to see if he has ever gathered the information I needed to evaluate the emissions from the asphalt plants.
★	10/24/02 - Discussed the project with Joven, and he stated to just proceed with the project (without the batch plant) so we can get closure on this.

San Joaquin Valley
Unified Air Pollution Control District

TELEPHONE RECORD

Person Calling: Errol Villegas

Person Called: Burt Gilpin

Project: #980294

Date:

Topics Discussed And Action Required

2/24/99 - EV called Mr. Gilpin and left a message on his machine asking him to call me back since I had questions on his project.

3/15/99 - Called Mr. Gilpin again leaving a message explaining that I noticed that they only provided information on the hot oil heater and that to get the maximum amount of offsets, I would need more specific information about the batch plant. Specifically, I needed a flow diagram of the plant and throughputs of each transfer point. (He called back and stated that he would look into gathering the information, but may take a while.)

4/15/99 - Left a message with Mr. Gilpin asking if he was able to gather the info

Signature _____

San Joaquin Valley
Unified Air Pollution Control District

TELEPHONE RECORD

Person Calling: Errol Villegas

Person Called: Burton Gilpin

Project: #980294

Date:

Topics Discussed And Action Required

10/29/98 - Called 'Burt' Gilpin requesting that he submit a letter to the District changing the name from Stewart & Nuss, Inc to Calaveras Materials, Inc. we can't issue the ERCs to Calaveras since the name is not correct in our database.

12/9/98 - Called Mr. Gilpin Asking if he had submitted the name change application and fee, Since I had not seen a payment with his 11/2 letter. He stated he had, so I said I would research with finance

(Note. Found payment from finance)

Signature _____

E.V.

SAN JOAQUIN VALLEY APCD

ATTN FINANCE DEPARTMENT

1990 E GETTYSBURG

FRESNO , CA 9372

PROOF OF PUBLICATION

COUNTY OF FRESNO
STATE OF CALIFORNIA

EXHIBIT A.

PUBLIC NOTICE

#56694

NOTICE OF FINAL ACTION FOR THE ISSUANCE OF EMISSION REDUCTION CREDITS

NOTICE IS HEREBY GIVEN that the Air Pollution Control Officer has issued Emission Reduction Credits (ERCs) to Calaveras Materials, Inc. for emission reduction generated by the shutdown of an entire asphalt batch plant, at 1000 Nees Avenue, Fresno CA. The quantity of ERCs to be issued is 1,341 lb VOC/year, 11,018 lb NOx/year, 148,402 lb CO/year, 2,133 lb PM10/year, and 8,884 lb SOx/year.

No comments were received following the District's preliminary decision on this project.

The application review for Project #C-980294 is available for public inspection at the SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT, 1990 EAST GETTYSBURG AVENUE, FRESNO, CA 93726.

(PUB: August 28, 2003)

The undersigned states:

McClatchy Newspapers in and on all dates herein stated was a corporation, and the owner and publisher of The Fresno Bee.

The Fresno Bee is a daily newspaper of general circulation now published, and on all-the-dates herein stated was published in the City of Fresno, County of Fresno, and has been adjudged a newspaper of general circulation by the Superior Court of the County of Fresno, State of California, under the date of November 22, 1994, Action No. 520058-9.

The undersigned is and on all dates herein mentioned was a citizen of the United States, over the age of twenty-one years, and is the principal clerk of the printer and publisher of said newspaper; and that the notice, a copy of which is hereto annexed, marked Exhibit A, hereby made a part hereof, was published in The Fresno Bee in each issue thereof (in type not smaller than nonpareil), on the following dates.

August 28, 2003

Beginning on the day of 19 ,
to the day of 19 inclusive.

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

Dated AUGUST 28, 2003

Cathy Aguilera

FPROOFAD

Story #56694 System FRSCZ by JALONZO Time 14:31:09 Date 8/26/03

EV

Account: 2306000SAN Class: 894 Last user: JALONZO

Ad Start: 8/28/03 Ad Stop: 8/28/03 Total Cost: $189.54 Run Days: thurs Page 1 Black

PUBLIC NOTICE

#56694

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The application review for Project #C-980294 is available for public inspection at the SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT, 1990 EAST GETTYSBURG AVENUE, FRESNO, CA 93726.

(PUB: August 28, 2003)

TO: CATHY POLLASTRINI

From The Fresno Bee
Legal Notices Desk
Ph. (559) 441-6115
Fax (559) 495-6825

-Please Proofread-
This notice will run as-is unless otherwise instructed

San Joaquin Valley
Air Pollution Control District

August 20, 2003

Burton Gilpin
Calaveras Materials, Inc.
3451 W. Shaw Ave.
Fresno, CA 93711-3204

RE: Notice of Final Action - Emission Reduction Credits
Project Number: C-980294

Dear Mr. Gilpin:

The Air Pollution Control Officer has issued Emission Reduction Credits (ERCs) to Calaveras Materials, Inc. for emission reduction generated by the shutdown of an entire asphalt batch plant, at 1000 Nees Avenue, Fresno CA. The quantity of ERCs to be issued is 1,341 lb VOC/year, 11,018 lb NOx/year, 148,402 lb CO/year, 2,133 lb PM10/year, and 8,884 lb SOx/year.

Enclosed are copies of the ERC Certificates and a copy of the notice of final action to be published approximately three days from the date of this letter.

Notice of the District's preliminary decision to issue the ERC Certificates was published on July 18, 2003. The District's analysis of the proposal was also sent to CARB and US EPA Region IX on July 15, 2003. No comments were received following the District's preliminary decision on this project.

Also enclosed is an invoice for the engineering evaluation fees pursuant to District Rule 3010. Please remit the amount owed, along with a copy of the attached invoice, within 30 days.

Thank you for your cooperation in this matter. If you have any questions, please contact Mr. David Warner at (559) 230-5900.

Sincerely,

for Seyed Sadredin
Director of Permit Services

SS:EV
Enclosures
c: David Warner, Permit Services Manager

David L. Crow
Executive Director/Air Pollution Control Officer

Northern Region Office
4230 Kiernan Avenue, Suite 130
Modesto, CA 95356-9322
(209) 557-6400 • FAX (209) 557-6475

Central Region Office
1990 East Gettysburg Avenue
Fresno, CA 93726-0244
(559) 230-6000 • FAX (559) 230-6061

Southern Region Office
2700 M Street, Suite 275
Bakersfield, CA 93301-2373
(661) 326-6900 • FAX (661) 326-6985

www.valleyair.org

San Joaquin Valley
Air Pollution Control District

August 20, 2003

Mike Tollstrup, Chief
Project Assessment Branch
Stationary Source Division
California Air Resources Board
PO Box 2815
Sacramento, CA 95812-2815

RE: Notice of Final Action - Emission Reduction Credits
Project Number: C-980294

Dear Mr. Tollstrup:

The Air Pollution Control Officer has issued Emission Reduction Credits (ERCs) to Calaveras Materials, Inc. for emission reduction generated by the shutdown of an entire asphalt batch plant, at 1000 Nees Avenue, Fresno CA. The quantity of ERCs to be issued is 1,341 lb VOC/year, 11,018 lb NOx/year, 148,402 lb CO/year, 2,133 lb PM10/year, and 8,884 lb SOx/year.

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Sincerely,

for Seyed Sadredin
Director of Permit Services

SS:EV
Enclosures
c: David Warner, Permit Services Manager

David L. Crow
Executive Director/Air Pollution Control Officer

Northern Region Office
4230 Kiernan Avenue, Suite 130
Modesto, CA 95356-9322
(209) 557-6400 • FAX (209) 557-6475

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(661) 326-6900 • FAX (661) 326-6985

www.valleyair.org

San Joaquin Valley
Air Pollution Control District

August 20, 2003

Gerardo C. Rios (AIR 3)
Chief, Permits Office
Air Division
U.S. E.P.A. - Region IX
75 Hawthorne Street
San Francisco, CA 94105

RE: Notice of Final Action - Emission Reduction Credits
Project Number: C-980294

Dear Mr. Rios:

The Air Pollution Control Officer has issued Emission Reduction Credits (ERCs) to Calaveras Materials, Inc. for emission reduction generated by the shutdown of an entire asphalt batch plant, at 1000 Nees Avenue, Fresno CA. The quantity of ERCs to be issued is 1,341 lb VOC/year, 11,018 lb NOx/year, 148,402 lb CO/year, 2,133 lb PM10/year, and 8,884 lb SOx/year.

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Sincerely,

for Seyed Sadredin
Director of Permit Services

SS:EV
Enclosures
c: David Warner, Permit Services Manager

David L. Crow
Executive Director/Air Pollution Control Officer

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4230 Kiernan Avenue, Suite 130
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Fresno Bee

NOTICE OF FINAL ACTION
FOR THE ISSUANCE OF
EMISSION REDUCTION CREDITS

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No comments were received following the District's preliminary decision on this project.

The application review for Project #C-980294 is available for public inspection at the **SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT, 1990 EAST GETTYSBURG AVENUE, FRESNO, CA 93726.**

San Joaquin Valley
Air Pollution Control District

Central Regional Office • 1990 E. Gettysburg Ave. • Fresno, CA 93726

Emission Reduction Credit Certificate
C-233-1

ISSUED TO: CALAVERAS MATERIALS INC.

ISSUED DATE: August 18, 2003

LOCATION OF REDUCTION: 1000 W NEES AVE
FRESNO, CA 93711

For VOC Reduction In The Amount Of:

Quarter 1	Quarter 2	Quarter 3	Quarter 4
148 lbs	410 lbs	483 lbs	300 lbs

[ ] Conditions Attached

Method Of Reduction

[X] Shutdown of Entire Stationary Source
[ ] Shutdown of Emissions Units
[ ] Other

SHUTDOWN OF ASPHALT BATCH PLANT

Use of these credits outside the San Joaquin Valley Unified Air Pollution Control District (SJVUAPCD) is not allowed without express written authorization by the SJVUAPCD.

David L. Crow, Executive Director / APCO

for Seyed Sadredin, Director of Permit Services

Aug 18 2003 9:35AM -- VILLEGAE

San Joaquin Valley
Air Pollution Control District

Central Regional Office • 1990 E. Gettysburg Ave. • Fresno, CA 93726

Emission Reduction Credit Certificate
C-233-2

ISSUED TO: CALAVERAS MATERIALS INC.

ISSUED DATE: August 18, 2003

LOCATION OF REDUCTION: 1000 W NEES AVE
FRESNO, CA 93711

For NOx Reduction In The Amount Of:

Quarter 1	Quarter 2	Quarter 3	Quarter 4
1,265 lbs	3,371 lbs	3,913 lbs	2,469 lbs

[ ] Conditions Attached

Method Of Reduction

[X] Shutdown of Entire Stationary Source
[ ] Shutdown of Emissions Units
[ ] Other

SHUTDOWN OF ASPHALT BATCH PLANT

Use of these credits outside the San Joaquin Valley Unified Air Pollution Control District (SJVUAPCD) is not allowed without express written authorization by the SJVUAPCD.

David L. Crow, Executive Director / APCO

for Seyed Sadredin, Director of Permit Services

San Joaquin Valley
Air Pollution Control District

Central Regional Office • 1990 E. Gettysburg Ave. • Fresno, CA 93726

Emission Reduction Credit Certificate
C-233-3

ISSUED TO: CALAVERAS MATERIALS INC.

ISSUED DATE: August 18, 2003

LOCATION OF REDUCTION: 1000 W NEES AVE
FRESNO, CA 93711

For CO Reduction In The Amount Of:

Quarter 1	Quarter 2	Quarter 3	Quarter 4
16,388 lbs	45,337 lbs	53,463 lbs	33,214 lbs

[ ] Conditions Attached

Method Of Reduction

[X] Shutdown of Entire Stationary Source
[ ] Shutdown of Emissions Units
[ ] Other

SHUTDOWN OF ASPHALT BATCH PLANT

Use of these credits outside the San Joaquin Valley Unified Air Pollution Control District (SJVUAPCD) is not allowed without express written authorization by the SJVUAPCD.

David L. Crow, Executive Director / APCO

for Seyed Sadredin, Director of Permit Services

San Joaquin Valley
Air Pollution Control District

Central Regional Office • 1990 E. Gettysburg Ave. • Fresno, CA 93726

Emission Reduction Credit Certificate
C-233-4

ISSUED TO: CALAVERAS MATERIALS INC.

ISSUED DATE: August 18, 2003

LOCATION OF REDUCTION: 1000 W NEES AVE
FRESNO, CA 93711

For PM10 Reduction In The Amount Of:

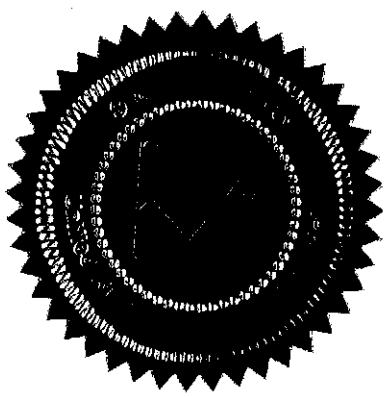
Quarter 1	Quarter 2	Quarter 3	Quarter 4
243 lbs	652 lbs	759 lbs	479 lbs

[ ] Conditions Attached

Method Of Reduction

[X] Shutdown of Entire Stationary Source
[ ] Shutdown of Emissions Units
[ ] Other

SHUTDOWN OF ASPHALT BATCH PLANT



Use of these credits outside the San Joaquin Valley Unified Air Pollution Control District (SJVUAPCD) is not allowed without express written authorization by the SJVUAPCD.

David L. Crow, Executive Director / APCO

for Seyed Sadredin, Director of Permit Services

San Joaquin Valley
Air Pollution Control District

Central Regional Office • 1990 E. Gettysburg Ave. • Fresno, CA 93726

Emission Reduction Credit Certificate
C-233-5

ISSUED TO: CALAVERAS MATERIALS INC.

ISSUED DATE: August 18, 2003

LOCATION OF REDUCTION: 1000 W NEES AVE
FRESNO, CA 93711

For SOx Reduction In The Amount Of:

Quarter 1	Quarter 2	Quarter 3	Quarter 4
998 lbs	2,716 lbs	3,181 lbs	1,989 lbs

[ ] Conditions Attached

Method Of Reduction

[X] Shutdown of Entire Stationary Source
[ ] Shutdown of Emissions Units
[ ] Other

SHUTDOWN OF ASPHALT BATCH PLANT

Use of these credits outside the San Joaquin Valley Unified Air Pollution Control District (SJVUAPCD) is not allowed without express written authorization by the SJVUAPCD.

David L. Crow, Executive Director / APCO

for Seyed Sadredin, Director of Permit Services

Aug 18 2003 9:35AM – VILLEGAE

San Joaquin Valley
Unified Air Pollution
Control District

Due Date	Amount Due
10/17/2003	$ 262.00

Amount Enclosed

ENGTIME
2006 C53561 8/18/2003

RETURN THIS TOP PORTION ONLY, WITH REMITTANCE TO:

CALAVERAS MATERIALS INC.
3451 WEST SHAW AVENUE
FRESNO, CA 93711-3204

SJVAPCD
1990 E. Gettysburg Avenue
Fresno, CA 93726-0244

Thank You!

San Joaquin Valley
Unified Air Pollution
Control District

Tax Payer ID: 77-0262563

Facility ID	Invoice Date	Invoice Number
C2006	8/18/2003	C53561

Invoice Type
Project: C980294

CALAVERAS MATERIALS INC.
1000 W NEES AVE
FRESNO, CA 93711

PROJECT NUMBER: 980294

ENGINEERING TIME FEES	$ 262.00
LESS PREVIOUSLY PAID PROJECT FEES APPLIED TO THIS INVOICE	$ 0.00
PROJECT FEES DUE (Enclosed is a detailed statement outlining the fees for each item.)	**$ 262.00**

Late Payment	
Postmarked	Total Due
After 10/17/2003 through 10/27/2003	$ 288.20
After 10/27/2003	$ 393.00
After 11/16/2003	Permits To Operate MAY BE SUSPENDED

San Joaquin Valley Air Pollution Control District

Invoice Detail

Facility ID: C2006

CALAVERAS MATERIALS INC.
1000 W NEES AVE
FRESNO, CA 93711

Invoice Nbr: C53561
Invoice Date: 8/18/2003
Page: 1

Engineering Time Fees

Project Nbr	Quantity	Rate	Description	Fee
C980294	15.2 hours	$ 60.00/h	Standard Engineering Time	$ 912.00
			Less Credit For Application Filing Fees	($ 650.00)
			Standard Engineering Time SubTotal	$ 262.00
			Total Engineering Time Fees:	**$ 262.00**

San Joaquin Valley
Air Pollution Control District

JUL 1 5 2003

Burton Gilpin
Calaveras Materials, Inc.
3451 W. Shaw Ave
Fresno, CA 93711-3204

Re: Notice of Preliminary Decision - Emission Reduction Credits
Project Number: C-980294

Dear Mr. Gilpin:

Enclosed for your review and comment is the District's analysis of Calaveras Materials, Inc.'s application for Emission Reduction Credits (ERCs) resulting from the shutdown of an entire asphalt batch plant, at 1000 Nees Avenue, Fresno CA. The quantity of ERCs proposed for banking is 1,341 lb VOC/year, 11,018 lb NOx/year, 148,402 lb CO/year, 2,133 lb PM10/year, and 8,884 lb SOx/year.

The notice of preliminary decision for this project will be published approximately three days from the date of this letter. Please submit your written comments on this project within the 30-day public comment period which begins on the date of publication of the public notice.

Thank you for your cooperation in this matter. If you have any questions regarding this matter, please contact Mr. Errol Villegas of Permit Services at (559) 230-5906.

Sincerely,

Seyed Sadredin
Director of Permit Services

SS:EV
Enclosures
c: David Warner, Permit Services Manager

San Joaquin Valley
Air Pollution Control District

JUL 15 2003

Mike Tollstrup, Chief
Project Assessment Branch
Stationary Source Division
California Air Resources Board
PO Box 2815
Sacramento, CA 95812-2815

Re: Notice of Preliminary Decision - Emission Reduction Credits
Project Number: C-980294

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Sincerely,

Seyed Sadredin
Director of Permit Services

SS:EV
Enclosure
c: David Warner, Permit Services Manager

David L. Crow
Executive Director/Air Pollution Control Officer

Northern Region Office
4230 Kiernan Avenue, Suite 130
Modesto, CA 95356-9322
(209) 557-6400 • FAX (209) 557-6475

Central Region Office
1990 East Gettysburg Avenue
Fresno, CA 93726-0244
(559) 230-6000 • FAX (559) 230-6061

Southern Region Office
2700 M Street, Suite 275
Bakersfield, CA 93301-2373
(661) 326-6900 • FAX (661) 326-6985

www.valleyair.org

San Joaquin Valley
Air Pollution Control District

JUL 15 2003

Gerardo C. Rios (AIR 3)
Chief, Permits Office
Air Division
U.S. E.P.A. - Region IX
75 Hawthorne Street
San Francisco, CA 94105

Re: Notice of Preliminary Decision - Emission Reduction Credits
Project Number: C-980294

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Enclosed for your review and comment is the District's analysis of Calaveras Materials, Inc.'s application for Emission Reduction Credits (ERCs) resulting from the shutdown of an entire asphalt batch plant, at 1000 Nees Avenue, Fresno CA. The quantity of ERCs proposed for banking is 1,341 lb VOC/year, 11,018 lb NOx/year, 148,402 lb CO/year, 2,133 lb PM10/year, and 8,884 lb SOx/year.

The notice of preliminary decision for this project will be published approximately three days from the date of this letter. Please submit your written comments on this project within the 30-day public comment period which begins on the date of publication of the public notice.

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Sincerely,

Seyed Sadredin
Director of Permit Services

SS:EV
Enclosure
c: David Warner, Permit Services Manager

David L. Crow
Executive Director/Air Pollution Control Officer

Northern Region Office
4230 Kiernan Avenue, Suite 130
Modesto, CA 95356-9322
(209) 557-6400 • FAX (209) 557-6475

Central Region Office
1990 East Gettysburg Avenue
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Southern Region Office
2700 M Street, Suite 275
Bakersfield, CA 93301-2373
(661) 326-6900 • FAX (661) 326-6985

www.valleyair.org

Fresno Bee

**NOTICE OF PRELIMINARY DECISION
FOR THE PROPOSED ISSUANCE OF
EMISSION REDUCTION CREDITS**

NOTICE IS HEREBY GIVEN that the San Joaquin Valley Unified Air Pollution Control District solicits public comment on the proposed issuance of Emission Reduction Credits (ERCs) to Calaveras Materials, Inc. for the shutdown of an entire asphalt batch plant, at 1000 Nees Avenue, Fresno CA. The quantity of ERCs proposed for banking is 1,341 lb VOC/year, 11,018 lb NOx/year, 148,402 lb CO/year, 2,133 lb PM10/year, and 8,884 lb SOx/year.

The analysis of the regulatory basis for these proposed actions, Project #C-980294, is available for public inspection at the District office at the address below. Written comments on this project must be submitted within 30 days of the publication date of this notice to **SEYED SADREDIN, DIRECTOR OF PERMIT SERVICES, SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT, 1990 EAST GETTYSBURG AVENUE, FRESNO, CA 93726.**

ERC APPLICATION REVIEW
Project # C980294

Engineer: Errol Villegas
Date: July 1, 2003

Facility Name: Calaveras Materials, Inc. (formerly Stuart & Nuss Inc.)
Mailing Address: 3451 W. Shaw Ave.
Fresno, CA 93711-3204

Contact Name: Burton E. Gilpin
Telephone: (559) 277-7060

Date Received: May 05, 1998
Date Complete: November 24, 1998

I. SUMMARY:

The primary business of this facility was hot mix asphalt production. Calaveras Materials, Inc. (CMI) submitted an application to bank VOC, NO_X, CO, PM_{10}, and SO_X emissions for the shutdown of the entire stationary source. The facility surrendered their Permits to Operate (PTOs) with the original application and copies of the surrendered permits are included in Appendix A of this report.

Pending a determination of compliance with District Rule 2301 (Emission Reduction Credit Banking) and public notification, ERC certificates C-233-1 through C-233-5 will be issued to Calaveras Materials, Inc. for the following amounts:

Bankable Emissions Reductions (lb/qtr)					
Quarter	VOC	NO_X	CO	PM_{10}	SO_X
1st	148	1,265	16,388	243	998
2nd	410	3,371	45,337	652	2,716
3rd	483	3,913	53,463	759	3,181
4th	300	2,469	33,214	479	1,989

II. APPLICABLE RULES:

Rule 2201 New and Modified Stationary Source Review Rule (June 15, 1995)
Rule 2301 Emission Reduction Credit Banking (December 17, 1992)

III. PROJECT LOCATION:

Physical Location of Equipment: 1000 Nees Avenue
Fresno, CA

IV. METHOD OF GENERATING REDUCTIONS:

The facility was permitted to operate a 2.0 MMBtu/hr hot oil heater and a 15.4 MMBtu/hr asphalt batch plant with associated equipment[1]. The asphalt plant and hot oil heater (as listed below) permanently ceased operation on 12/12/97. (See Appendix B)

C-2006-1-0: Asphalt batch plant consisting of 15.4 MMBtu/hr Stansteel Corp. asphalt plant standard Model R-M6000, cold feed conveyor, bucket elevator, mixing tower, screen and bins, scale hopper, pug mill mixer to include two 200 ton asphalt storage silos.

C-2006-2-0: 2.0 MMBtu/hr hot oil heater Model HC-200, used to heat light oil which is pumped through coils in liquid asphalt storage tanks to maintain the asphalt pumping viscosity.

V. CALCULATIONS:

A. Assumptions

- The 15.4 MMBtu/hr rotary asphalt dryer was fired on process oil (PO50) and the 2.0 MMBtu/hr hot oil heater was fired on diesel fuel.
- The diesel used contained 0.05% sulfur by weight (CARB California Diesel Regulation).
- As per AP-42 (1/95), Section 11.1.1, page 11.1-1 (Hot Mix Asphalts Plants), aggregate constitutes 92% by weight of the total hot mix asphalt mixture.
- Pursuant to multiple inspection reports in the file, the aggregate material used in the process was naturally moist (i.e. moisture content $\geq$ 5%).
- Annual and quarterly emissions will be rounded to the nearest pound in accordance with District Policy.
- Operating schedule based on 24 hrs/day, 7 days/week, and 52 weeks/year.

B. Emission Factors

Aggregate conveying and transfer:

The District has assumed a total of three (3) aggregate transfer points for the batch plant and they are as follows:

Transfer points[2]:

a. front-end loader to cold feed bins
b. cold feed bins to cold feed conveyor
c. cold feed conveyor to dryer

[1] It should be noted that the within the ERC application, the facility proposed to bank combustion emissions from the diesel powered front-end loader. The front-end loader is not eligible to receive Emission Reduction Credits (ERCs) since it is classified as a mobile source. However, as discussed in AP-42 (1/95) Section 13.2.4.3 (Aggregate Handling & Storage Piles), the emissions from dropping of material from the front-end loader to the cold feed bins is eligible for ERCs and will be quantified.

[2] Since the facility did not provide the District with detailed information regarding transfer points and according to AP-42 Figure 11.1-1 (Appendix C); the District has assumed there will be a minimum of three transfer points for the aggregate handling portion of the asphalt batch plant operation.

The emission factor for the aggregate handling operation will be calculated based on the Predictive Emission Factor Drop Equation as referenced in AP-42 (1/95), Section 13.2.4.3 (Aggregate handling & Storage Piles) (Appendix D) and the number of transfer points in the process.

EF_{PM10} = (K) (0.0032) $[(U/5)^{1.3}/(M/2)^{1.4}]$ * (# transfer points)

where, EF: emission factor, in pounds of PM_{10} per ton
M: moisture content of aggregate; 5%
U: average wind speed for Fresno; 6.3 mph (AP-42, 1/95, Table 7.1-9) (See Appendix E)
K: particle size multiplier; 0.35 for PM_{10}

EF_{PM10} = (0.35) (0.0032) $[(6.3/5)^{1.3}/(5/2)^{1.4}]$ * (3)
= 0.0013 lb PM_{10}/ton

Asphalt dryer burner emissions:

The District will use data from a source test conducted on this asphalt dryer by BTC Environmental on March 26, 1991 (Appendix F). According to the source test report, three (3) runs were performed with an average production rate of 241.1 tons/hour during the source test. The emission factor in lb/ton for the asphalt dryer can be calculated as follows:

Asphalt Dryer Emission Factors		
	EF (lb/hour)	EF (lb/ton)
VOC	0.42	0.002
NO_X	12.08	0.050
CO	166.75	0.692
PM_{10}	6.86	0.028
SO_X	9.96	0.041

Asphalt truck load-out and silo filling emissions:

The emission factor for the asphalt truck load-out and silo filling operations will be calculated based on the Predictive Emission Factor Equations as referenced in AP-42 (12/00), Table 11.1-14 (Predictive Emission Factor Equations for Load-Out and Silo Filling Operations) (Appendix G).

Asphalt Truck Load-Out:
EF_{VOC}[3] = $0.0172(-V)e^{((0.0251)(T + 460) - 20.43} * 0.9345$
EF_{CO} = $0.00558(-V)e^{((0.0251)(T + 460) - 20.43}$

[3] According to AP-42 Table 11.1-16 (Speciation Profiles for Load-Out, Silo Filling, and Asphalt Storage Emissions-Organic Volatile-Based Compounds) footnote (b), "the VOC percentages are equal to 100 percent of TOC minus the methane, acetone, methylene chloride, and 1,1,1-trichloroethane percentages. i.e. $VOC_{load\text{-}out}$ = 100 - 6.5 - 0.046 - 0.0 - 0.0 = 93.45%
VOC_{silo} = 100 - 0.26 - 0.055 - 0.00027 - 0.0 = 99.68%

EF_{PM10}[4] = $0.000181 + 0.00141(-V)e^{((0.0251)(T + 460) - 20.43)}$

where, EF: emission factor, in pounds per ton
V: asphalt volatility; -0.5 (default value)
T: HMA mix temperature in °F; 325 °F (default value)

$EF_{VOC} = 0.0172(-(-0.5))e^{((0.0251)(325 + 460) - 20.43)} * 0.9345$
$= 0.0039$ lb VOC/ton

$EF_{CO} = 0.00558(-(-0.5))e^{((0.0251)(325 + 460) - 20.43)}$
$= 0.0013$ lb CO/ton

$EF_{PM10} = 0.000181 + 0.00141(-(-0.5))e^{((0.0251)(325 + 460) - 20.43)}$
$= 0.0005$ lb PM_{10}/ton

Silo Filling:
EF_{VOC}[3] = $0.0504(-V)e^{((0.0251)(T + 460) - 20.43} * 0.9968$
$EF_{CO} = 0.00488(-V)e^{((0.0251)(T + 460) - 20.43}$
EF_{PM10}[4] = $0.000332 + 0.00105(-V)e^{((0.0251)(T + 460) - 20.43)}$

where, EF: emission factor, in pounds per ton
V: asphalt volatility; -0.5 (default value)
T: HMA mix temperature in °F; 325 °F (default value)

$EF_{VOC} = 0.0504(-(-0.5))e^{((0.0251)(325 + 460) - 20.43)} * 0.9968$
$= 0.0121$ lb VOC/ton

$EF_{CO} = 0.00488(-(-0.5))e^{((0.0251)(325 + 460) - 20.43)}$
$= 0.0012$ lb CO/ton

$EF_{PM10} = 0.000332 + 0.00105(-(-0.5))e^{((0.0251)(325 + 460) - 20.43)}$
$= 0.0006$ lb PM_{10}/ton

Truck Load-Out and Silo Filling Emission Factor Summary		
	$EF_{load\text{-}out}$ (lb/ton)	EF_{silo} (lb/ton)
VOC	0.0039	0.0121
CO	0.0013	0.0012
PM_{10}	0.0005	0.0006

Hot oil heater emissions:

Since there is no source test emissions data available for this heater, and since we were unable to locate actual source test data from similar heaters, the actual emissions must be estimated as accurately as possible using emission factors for VOC, NO_X, CO,

[4] According to AP-42 Table 11.1-14 footnote (b), "Total PM is assumed to be predominantly $PM_{2.5}$ since emissions consist of condensed vapors;" therefore total PM is assumed to be 100% PM_{10}.

PM_{10}, and SO_X from AP-42 (9/98) Tables 1.3-1, 1.3-2, and 1.3-3 (Criteria Emission Factors for Fuel Oil Combustion) (See Appendix H).

Hot Oil Heater Emission Factors		
	EF (lb/10^3 gal)	EF (lb/MMBtu)[5]
VOC	0.34	0.002
NO_X	20	0.143
CO	5	0.036
PM_{10}*	3.3	0.024
SO_X**	7.1	0.051

* EF_{PM10} = filterable + total condensable particulate matter ⇒ 2 + 1.3 = 3.3 lb/10^3 gal
** EF_{SOx} = 142S, Where S equals the weight % of sulfur; 0.05% (diesel) ⇒ 7.1 lb/10^3 gal

C. Baseline Period Determination and Data

1. Shutdown Date

Pursuant to Rule 2301 Section 3.11 the date of shutdown for permitted sources shall be the date of surrender of the operating permits or the cessation of emissions, whichever is earlier. In a letter to the District, the applicant indicated that the facility would cease operation on December 12, 1997 and also requested the District delete their permits on that date. Since the cessation of emissions and the surrender of the operating permits occurred on the same date, the date of shutdown will be December 12, 1997.

2. Baseline Period

Per Section 3.7 of Rule 2201, baseline period is defined as: a) two consecutive years of operation immediately prior to submission of the complete application; or b) another time period of at least two consecutive years within the five years immediately prior to submission of the complete application as determined by the APCO as more representative of normal source operation.

The facility submitted the complete application on May 05, 1998. The two consecutive years of operation immediately prior to the submission of the complete application would be from May 5, 1998 through May 5, 1996. The facility ceased operation on December 12, 1997 so there are approximately 5 months within this two-year period where no pollutants were emitted. Therefore, it can be assumed that this period will not be representative of normal source operation.

In order to determine another time period of at least two consecutive years within the five years immediately prior to submission of the complete application, the District must evaluate what can be considered "normal source operation." The applicant has provided a quarterly summary sheet for 1993 through 1997 of asphalt production and fuel consumption (Appendix I). Based on the information provided, the 5-yr average can be determined as follows:

[5] According to AP-42 Table 1.3-2 footnote (d), "to convert to lb/MMBtu of No. 2 oil, divide by 140 MMBtu/10^3gal."

Historical Production Data		
Year	Production (tons)	Diesel Usage (gallons)
1993 (May – Dec)[6]	196,288	11,012
1994	235,599	16,809
1995	279,981	20,073
1996	251,663	14,408
1997	175,216	13,830
1998 (Jan – May)	0	0
5-yr Average	**227,749**	**15,226**

Utilizing the information provided, the time period of at least two consecutive years within the five years immediately prior to submission of the complete application most representative of normal source operation would be from the 4th quarter of 1993 through the 3rd quarter of 1995. This time period was calculated to have an average of 237,690 tons/year and 17,867 gallons/year. These were the closest values to the 5-year average; therefore, this period will be designated as the baseline period.

The quarterly breakdown of data for this time period is presented below:

Hot Mix Asphalt (HMA) Production Throughput (tons/quarter)				
Quarter	1993	1994	1995	Historical Quarterly Average
1st	---	26,756	25,701	26,229
2nd	---	67,312	77,912	72,612
3rd	---	92,187	79,120	85,654
4th	57,048	49,344	---	53,196

Diesel Fuel Consumption (gallons/quarter)				
Quarter	1993	1994	1995	Historical Quarterly Average
1st	---	4,913	4,601	4,757
2nd	---	5,615	5,845	5,730
3rd	---	2,000	4,489	3,245
4th	3,988	4,281	---	4,135

[6] In Appendix I, the facility provided a quarterly summary for 1993. Since the "five years immediately prior to the submission of the complete application" will encompass only a portion of 1993 (May - Dec), the District will discount the months not eligible for ERCs (Jan - Apr). According to the summary sheet, the 1st and 2nd quarters had asphalt production throughputs of 22,239 and 76,952 tons, respectively and diesel consumptions of 4,811 and 5,191 gallons, respectively. All of the 1st quarter values can be removed, but only 1/3 of the 2nd quarter values can be removed (i.e. one month's worth). The eligible production data can be determined as follows:

Asphalt production:
244,178 - 22,239 - (76,952 * 0.333) = 196,288 tons

Diesel Consumption:
17,553 - 4,811 - (5,191 * 0.333) = 11,012 gal

As discussed in Section V.A above, the average asphalt batch consists of 92% aggregate (by weight). Therefore, the historical aggregate throughput for the baseline period can be determined from the historical asphalt production throughput as follows:

Aggregate Throughput (tons/quarter)			
Quarter	HMA Average	% Aggregate	Historical Quarterly Average
1st	26,229	92%	24,131
2nd	72,612		66,803
3rd	85,654		78,802
4th	53,196		48,940

D. Historical Actual Emissions

According to District Rule 2201, Section 6.2.1, HAE is defined as the Historical Actual Emissions having actually occurred based on source tests or calculated using actual fuel consumption or process weight, recognized emissions factors or other data approved by the Control Officer which most accurately represents the emissions during the baseline period.

Historical Actual Emissions will be determined by multiplying: either the historical quarterly average aggregate throughput, production throughput, or fuel use (detailed above), by the emission factors appearing in Section V.B.

HAE (lb/qtr) = Emission Factor (lb/ton) * Aggregate Throughput (ton/qtr)

1. Aggregate conveying and transfer:

Aggregate Conveying and Transfer Emissions Factors (lb/ton)				
VOC	NO_X	CO	PM_{10}	SO_X
---	---	---	0.0013	---

		Aggregate Conveying and Transfer HAE Summary (lb/qtr)				
Quarter	Throughput (tons)	VOC	NO_X	CO	PM_{10}	SO_X
1st	24,131	---	---	---	31	---
2nd	66,803	---	---	---	87	---
3rd	78,802	---	---	---	102	---
4th	48,940	---	---	---	64	---

2. Asphalt dryer burner emissions:

Asphalt Dryer Emissions Factors (lb/ton)				
VOC	NO_X	CO	PM_{10}	SO_X
0.002	0.050	0.692	0.028	0.041

		Asphalt Dryer HAE Summary (lb/qtr)				
Quarter	Throughput (tons)	VOC	NO_X	CO	PM_{10}	SO_X
1st	26,229	52	1,311	18,150	734	1,075
2nd	72,612	145	3,631	50,248	2,033	2,977
3rd	85,654	171	4,283	59,273	2,398	3,512
4th	53,196	106	2,660	36,812	1,489	2,181

3. Asphalt truck load-out and silo filling emissions:

Asphalt Truck Load-Out Emissions Factors (lb/ton)				
VOC	NO_X	CO	PM_{10}	SO_X
0.0039	---	0.0013	0.0005	---

		Asphalt Truck Load-Out HAE Summary (lb/qtr)				
Quarter	Throughput (tons)[7]	VOC	NO_X	CO	PM_{10}	SO_X
1st	26,229	102	---	34	13	---
2nd	72,612	283	---	94	36	---
3rd	85,654	334	---	111	43	---
4th	53,196	207	---	69	27	---

Asphalt Silo Filling Emissions Factors (lb/ton)				
VOC	NO_X	CO	PM_{10}	SO_X
0.0121	---	0.0012	0.0006	---

		Asphalt Silo Filling HAE Summary (lb/qtr)				
Quarter	Throughput (tons)[8]	VOC	NO_X	CO	PM_{10}	SO_X
1st	787	9	---	1	0	---
2nd	2,178	26	---	3	1	---
3rd	2,570	31	---	3	2	---
4th	1,596	19	---	2	1	---

[7] The facility was equipped with two truck load out stations (one for the batch mixer and one for the silo); therefore, all asphalt throughput can be considered for ERCs.

[8] Since the facility did not provide the District with specific throughput information for the silo filling, the District will make a conservative assumption that 3% of the total asphalt throughput was directed to the storage silos. This assumption is based upon the monthly average of mix "SC800M" versus the total monthly average of all asphalt produced within a four-month period in 1996 (April – July) (See Appendix J for details).

4. Hot oil heater emissions:

Hot Oil Heater Emissions Factors (lb/10^3 gal)				
VOC	NO_X	CO	PM_{10}	SO_X
0.34	20	5	3.3	7.1

		Hot Oil Heater HAE Summary (lb/qtr)				
Quarter	Throughput (gals)	VOC	NO_X	CO	PM_{10}	SO_X
1st	4,757	2	95	24	16	34
2nd	5,730	2	115	29	19	41
3rd	3,245	1	65	16	11	23
4th	4,135	1	83	21	14	29

5. Total Historical Actual Emissions:

Total Historical Actual Emissions (HAE) Summary (lb/qtr)					
Quarter	VOC	NO_X	CO	PM_{10}	SO_X
1st	165	1,406	18,209	794	1,109
2nd	456	3,746	50,374	2,176	3,018
3rd	537	4,348	59,403	2,556	3,535
4th	333	2,743	36,904	1,595	2,210
Total (lb/yr)	1,491	12,243	164,890	7,121	9,872

VI. ADJUSTMENTS:

Pursuant to Section 6.2.1 of Rule 2201, Historical Actual Emissions must be discounted for any emissions reductions which is:

- required or encumbered by any laws, rules, regulations, agreements, orders, or
- attributed to a control measure noticed for workshop, or proposed or contained in a State Implementation Plan, or
- proposed in the District Air Quality Plan for attaining the annual reductions required by the California Clean Air Act.

A. Applicable District Rules

District Rule 4201 (Particulate Matter Concentration)
Pursuant to Section 2.0, this rule is applicable to any source operation which emits or may emit dust, fumes, or total suspended particulate matter. Section 3.0 also states that "a person shall not release or discharge into the atmosphere from any single source operation, dust, fumes, or total suspended particulate matter emissions in excess of 0.1 grains per cubic foot of gas at dry standard conditions.

Asphalt dryer:

$$PM\ Conc.\ (gr/scf) = \frac{(PM\ emission\ factor) \times (7{,}000\ gr/lb)}{(F\text{-}Factor)}$$

PM_{10} emission factor = 0.445 lb/MMBtu[9]. Assuming 100% of PM is PM_{10}
Process Oil F-Factor[10] = 9,051 dscf/MMBtu

PM Conc. (gr/scf)=[(0.445 lb/MMBtu) * (7,000 gr/lb)] ÷ [9,051 dscf/MMBtu]
PM Conc. = 0.344 gr/dscf

As demonstrated above, the PM emissions are greater than the allowable rule limit of 0.1 gr/dscf. Therefore, the PM_{10} emissions from the asphalt dryer must be adjusted to comply with the requirements of Rule 4201.

To meet the requirement of 0.1 gr/dscf, the equivalent PM_{10} emission factor (in lb/ton) can be calculated as follows:

0.1 gr/dscf * 9,051 dscf/MMBtu ÷ 7,000 gr/lb = 0.129 lb PM_{10}/MMBtu
0.129 lb/MMBtu * 15.4 MMBtu/hr = 1.99 lb PM_{10}/hr
1.99 lb/hr ÷ 241.1 tons/hr = **0.008 lb PM_{10}/ton**

Adjusted Asphalt Dryer Emissions Factors (lb/ton)					
VOC	NO_X	CO	PM_{10}	SO_X	
0.002	0.050	0.692	0.008	0.041	

		Adjusted Asphalt Dryer HAE Summary (lb/qtr)				
Quarter	Throughput (tons)	VOC	NO_X	CO	PM_{10}	SO_X
1st	26,229	52	1,311	18,150	210	1,075
2nd	72,612	145	3,631	50,248	581	2,977
3rd	85,654	171	4,283	59,273	685	3,512
4th	53,196	106	2,660	36,812	426	2,181

Hot Oil Heater:

$$PM\ Conc.\ (gr/scf) = \frac{(PM\ emission\ factor) \times (7{,}000\ gr/lb)}{(F\text{-}Factor)}$$

PM_{10} emission factor = 0.024 lb/MMBtu. Assuming 100% of PM is PM_{10}
Diesel F-Factor = 9,051 dscf/MMBtu

PM Conc. (gr/scf)=[(0.024 lb/MMBtu) * (7,000 gr/lb)] ÷ [9,051 dscf/MMBtu]
PM Conc. = 0.019 gr/dscf

As demonstrated above, the PM emissions are less than the allowable rule limit of 0.1 gr/dscf. Therefore, no further adjustments will be made to the hot oil heater emissions, for District Rule 4201 compliance.

[9] PM_{10} emission factor for the asphalt dryer is derived from the source test result of 6.86 lb PM_{10}/hr and the maximum burner rating of 15.4 MMBtu/hr. ex. 6.86lb/hr ÷ 15.4 MMBtu/hr = 0.445 lb PM_{10}/MMBtu
[10] The F-Factor for process oil is assumed to be equivalent to the F-Factor for distillate oil: 9,051 dscf/MMBtu (@ 60 °F)

District Rule 4202 (Particulate Matter Emission Rate)
Rule 4202 establishes PM emission limits as a function of process weight rate in tons/hr. Gas and liquid fuels are excluded from the definition of process weight. Therefore, Rule 4202 does not apply to the hot oil heater. However, it does apply to the asphalt dryer, the aggregate conveying and transfer operations and the asphalt truck load-out and silo filling operations.

Asphalt dryer:
Weight rate/Asphalt dryer = 241.1 ton/hr

Rule 4202 emission limit = $17.31 * P^{0.16}$ (where P greater than 30 tons/hr)
= $17.31 * 241.1^{0.16}$
= 41.63 lb/hr

The asphalt dryer has an adjusted PM_{10} emission rate of 1.99 lb/hr. Assuming 100% of PM emissions are PM_{10} and as shown above, the asphalt dryer PM emissions will be less than those allowed by Rule 4202. Therefore, no further adjustments will be made to the asphalt dryer emissions, for District Rule 4202 compliance.

Aggregate conveying and transfer:
Weight rate/aggregate[11] = 221.8 ton/hr

Rule 4202 emission limit = $17.31 * P^{0.16}$ (where P greater than 30 tons/hr)
= $17.31 * 241.1^{0.16}$
= 41.08 lb/hr

Utilizing the 221.8 ton/hr throughput, the aggregate conveying and transfer operation would have a PM_{10} emission rate of 0.29 lb/hr. Assuming 100% of PM emissions are PM_{10} and as demonstrated above, the PM emissions will be less than those allowed by Rule 4202. Therefore, no further adjustments will be made to the aggregate conveying and transfer emissions, for District Rule 4202 compliance.

Asphalt truck load-out:
Weight rate/Asphalt truck = 241.1 ton/hr

Rule 4202 emission limit = $17.31 * P^{0.16}$ (where P greater than 30 tons/hr)
= $17.31 * 241.1^{0.16}$
= 41.63 lb/hr

Utilizing the 241.1 ton/hr throughput, the asphalt truck load-out operation would have a PM_{10} emission rate of 0.12 lb/hr. Assuming 100% of PM emissions are PM_{10} and as demonstrated above, the PM emissions will be less than those allowed by Rule 4202. Therefore, no further adjustments will be made to the asphalt truck load-out emissions, for District Rule 4202 compliance.

[11] Assuming average asphalt batch consists of 92% aggregate (by weight). i.e. 241.1 * 0.92 = 221.8 ton/hr

Asphalt silo filling:
Weight rate/Asphalt silo = 241.1 ton/hr

Rule 4202 emission limit = 17.31 * $P^{0.16}$ (where P greater than 30 tons/hr)
= 17.31 * $241.1^{0.16}$
= 41.63 lb/hr

Utilizing the 241.1 ton/hr throughput, the asphalt silo filling operation would have a PM_{10} emission rate of 0.10 lb/hr. Assuming 100% of PM emissions are PM_{10} and as demonstrated above, the PM emissions will be less than those allowed by Rule 4202. Therefore, no further adjustments will be made to the asphalt silo filling emissions, for District Rule 4202 compliance.

District Rule 4301 (Fuel Burning Equipment):
Pursuant to Section 2.0 and 4.1, the rule is applicable to any fuel burning equipment except fuel burning equipment serving primarily as air pollution control equipment by using a combustion process to destroy air contaminants.

Asphalt dryer:
Since the dryer does not serve as an air pollution control device, the requirements of the rule are applicable. Per Section 5.2 (and Section 3.12 of District Rule 1020), fuel burning equipment shall not exceed any of the following limits: 200 pounds per hour of sulfur compounds, calculated as sulfur dioxide (SO_2), 140 pounds per hour of nitrogen oxides, calculated as nitrogen dioxide (NO_2), or ten (10) pounds per hour of particulate matter from the burning of carbon-containing fuel. As demonstrated in section V.B. of this evaluation, the asphalt dryer does not have emissions greater than the thresholds of this rule. Therefore, no adjustments are necessary to the HAE for Rule 4301 compliance.

Hot oil heater:
Since the heater does not serve as an air pollution control device, the requirements of the rule are applicable. Per Section 5.2 (and Section 3.12 of District Rule 1020), fuel burning equipment shall not exceed any of the following limits: 200 pounds per hour of sulfur compounds, calculated as sulfur dioxide (SO_2), 140 pounds per hour of nitrogen oxides, calculated as nitrogen dioxide (NO_2), or ten (10) pounds per hour of particulate matter from the burning of carbon-containing fuel. Utilizing the emission factors for the hot oil heater in Section V.B above and the maximum heat input of 2.0 MMBtu/hr, the hourly emissions for SO_X, NO_X, and PM_{10} can be calculated as follows:

PE_{SOx} (lb/hr) = 2.0 MMBtu/hr * 0.051 lb/MMBtu = 0.10 lb SO_X/hr
PE_{NOx} (lb/hr) = 2.0 MMBtu/hr * 0.143 lb/MMBtu = 0.29 lb NO_X/hr
PE_{PM10} (lb/hr) = 2.0 MMBtu/hr * 0.024 lb/MMBtu = 0.05 lb PM_{10}/hr

As demonstrated in the calculations above, the hot oil heater does not have emissions greater than the thresholds of this rule. Therefore, no adjustments are necessary to the HAE for Rule 4301 compliance.

District Rule 4305 (Boilers, Steam Generators, and Process Heaters):
Pursuant to Section 2.1, the rule is applicable to any gaseous fuel or liquid fuel fired boiler, steam generator, or process heater with a rated heat input greater than 5 million Btu per hour.

Asphalt dryer:
Section 4.1.2 states that the rule is not applicable to dryers and glass melting furnaces and Section 3.5 also defines a dryer as, "any unit in which material is dried in direct contact with the products of combustion." Since the asphalt dryer's products of combustion come in direct contact with the aggregate and asphalt mixture, the asphalt dryer is exempt from the requirements of Rule 4305 and no adjustments are necessary to the HAE for Rule 4305 compliance.

Hot oil heater:
Since the hot oil heater's maximum rating is 2.0 MMBtu/hr, this rule is not applicable and no adjustments are necessary to the HAE for Rule 4305 compliance.

B. Control Measures or the District Air Quality Plan

As discussed earlier, Historical Actual Emissions must be discounted for any emissions reductions attributed to a control measure or proposed in the District Air Quality Plan for attaining the annual reductions required by the California Clean Air Act. There are no further adjustments required beyond the adjustments posted above.

C. Actual Emissions Reductions

According to District Rule 2201, Section 6.5.2, Actual Emission Reductions (AER) due to the shutdown of an emission unit is calculated using the following formula:

AER = HAE (for the unit prior to shutdown)

The AER is the sum of the adjusted HAEs for the various operations and is summarized in the following table.

Total Adjusted Historical Actual Emissions (HAE) Summary (lb/qtr)					
Quarter	VOC	NO_X	CO	PM_{10}	SO_X
1st	165	1,406	18,209	270	1,109
2nd	456	3,746	50,374	724	3,018
3rd	537	4,348	59,403	843	3,535
4th	333	2,743	36,904	532	2,210

D. Air Quality Improvement Deduction

Pursuant to Rule 2201 Section 4.12.1, prior to banking, AER shall be discounted by 10% for an Air Quality Improvement Deduction (AQID). The AQID is summarized in the table below:

Air Quality Improvement Deduction (AQID) (lb/qtr)					
Quarter	VOC	NO_X	CO	PM_{10}	SO_X
1st	17	141	1,821	27	111
2nd	46	375	5,037	72	302
3rd	54	435	5,940	84	354
4th	33	274	3,690	53	221

E. Increase in Permitted Emissions

The ERC banking application has been submitted to bank emission reductions generated by the permanent shutdown of permitted equipment. Therefore, no increase in permitted emissions (IPE) is associated with this project.

F. Bankable Emissions Reductions Credits

The total bankable emission reductions are summarized in the following table. The 10% AQID has been subtracted from the adjusted emissions reductions in order to quantify the amount which is eligible for banking.

Bankable ERCs Summary (lb/qtr)					
Quarter	VOC	NO_X	CO	PM_{10}	SO_X
1st	148	1,265	16,388	243	998
2nd	410	3,371	45,337	652	2,716
3rd	483	3,913	53,463	759	3,181
4th	300	2,469	33,214	479	1,989

VII. COMPLIANCE:

To be eligible for banking, emission reduction credits (ERCs) must be verified as real, surplus, permanent, quantifiable, and enforceable pursuant to District Rules 2201 and 2301. In addition the application must be submitted within a timely manner specified in Rule 2301.

A. Real

The emissions reductions were generated by the shutdown of the asphalt batch plant and the hot oil heater. The emissions reductions were calculated from actual historic production throughputs and diesel fuel consumption and recognized emission factors. Therefore, the reductions are real.

B. Enforceable

The asphalt batch plant was a permitted source with the District. The reductions are a result of the shutdown of the entire stationary source. All applicable Permits to Operate were canceled at the time of shutdown and have been subsequently surrendered to the District. In order to activate the shutdown units, new applications for the permits would be required. Operating without permits would result in an enforcement action. Therefore, the reductions are enforceable.

C. Quantifiable

The actual emissions reductions were calculated based on documented emission factors (source tests and AP-42) and the quarterly fuel consumption and production rates, as provided by the applicant. Therefore, the reductions are quantifiable.

D. Permanent

The stationary source was shutdown and all applicable Permits to Operate were canceled at the time of shutdown and surrendered to the District. Therefore, the reductions are permanent.

E. Surplus

The proposed emissions reductions occurred as a result of the shutdown of the entire stationary source. The shutdown was voluntarily made and the resulting reduction in emissions were not mandated by any rules or regulations and were not accounted for in the SIP towards attainment of the Air Quality Standards or in demonstrating a Reasonable Further Progress towards meeting the Air Quality Standards. However, as shown in Sections V.A through V.E of this report, the various operations were subject to the requirements of District Rule 4201, 4202, 4301, and 4305.

Historical Actual Emissions calculated in Section V.D.5 showed that this facility approximately emitted 1,491 lb VOC/year, 12,243 lb NO_X/year, 164,890 lb CO/year, 7,121 lb PM_{10}/year, and 9,872 lb SO_X/year. Only the emissions reductions that are in excess of those required by District Rules are considered to be surplus actual emissions. Adjustments made for the requirements of District Rule 4201 lowered the amount of historical PM_{10} emissions from the asphalt dryer by approximately 4,752 lb PM_{10}/year (from 6,654 lb PM_{10}/year to 1,902 lb PM_{10}/year). As detailed in Section VI.A no further adjustments were necessary for District Rules 4202, 4301, and 4305, since the operations were in compliance with these rules.

The bankable emissions reductions posted in Section VI.F above have been corrected for any applicable required or encumbered by any laws, rules, regulations, agreements, orders, control measures, or District Air Quality Plans, and are therefore considered to be surplus emissions.

F. Not used for the approval of an Authority to Construct or as offsets

The emission reduction credits generated by the shutdown of the entire facility were not used for the approval of any Authority to Construct or as offsets.

G. Timely Submittal

The application for Emission Reduction Credits was submitted on May 5, 1998. The date the reduction occurred was on December 12, 1997 when operations at this facility ceased and all applicable Permits to Operate were canceled and surrendered to the District. Pursuant to District Rule 2301 (Emission Reduction Credit Banking) Section 4.2.3, if the emission reductions occurred after September 19, 1991, then an application for an ERC must be filed no later than 180 days after the emission reduction occurred. The application was submitted within the required time frame (i.e. 144 days).

VII. RECOMMENDATION:

Issue Emission Reduction Credit Certificates C-233-1 through C-233-5 to Calaveras Materials Inc. for actual emissions reductions generated from the shutdown of the stationary source for the following amounts: (see Appendix K)

Emission Reduction Credits (lb/qtr)					
Quarter	VOC	NO_X	CO	PM_{10}	SO_X
1st	148	1,265	16,388	243	998
2nd	410	3,371	45,337	652	2,716
3rd	483	3,913	53,463	759	3,181
4th	300	2,469	33,214	479	1,989
Totals (lb/yr)	1,341	11,018	148,402	2,133	8,884

Appendices:

A. Permit Unit Requirements for Shutdown Equipment (C-2006-1-0 & -2-0)
B. Letter from Calaveras Materials Inc. Identifying Date of Shutdown
C. AP-42 Figure 11.1-1
D. AP-42 Section 13.2.4.3
E. AP-42 Table 7.1-9
F. Source Test Results for Asphalt Dryer
G. AP-42 Table 11.1-14
H. AP-42 Tables 1.3-1, 1.3-2, and 1.3-3
I. Asphalt Production and Fuel Consumption Quarterly Summary Sheet (1993-1997)
J. Asphalt Throughput Percentage for Silo Filling Worksheet
K. Draft ERCs C-233-1 through C-233-5

Appendix A

Permit Unit Requirements for Shutdown Equipment
(C-2006-1-0 & -2-0)

San Joaquin Valley
Unified Air Pollution Control District

PERMIT TO OPERATE

PERMIT NO: C-2006-1-0 **EXPIRATION DATE:** 12/31/97

LEGAL OWNER OR OPERATOR: STEWART & NUSS, INC.
MAILING ADDRESS: P.O. BOX 886
FRESNO, CA 93714

LOCATION: 1000 W. NESS AVENUE, FRESNO

EQUIPMENT DESCRIPTION:
ASPHALT BATCH PLANT CONSISTING OF 15.4 MMBTU/HR STANSTEEL CORP. ASPHALT PLANT STANDARD MODEL R-M6000, COLD FEED CONVEYOR, BUCKET ELEVATOR, MIXING TOWER, SCREEN AND BINS, SCALE HOPPER, PUG MILL MIXER TO INCLUDE TWO 200 TON ASPHALT STORAGE SILOS.

CONDITIONS

1 - All stockpiled sand, gravel aggregate, rock and other materials shall be maintained adequately moist to minimize emissions of fugitive particulate matter.

2 - No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is dark or darker than Ringelmann 1 or equivalent 20% opacity.

3 - No air contaminant shall be released into the atmosphere which causes a public nuisance.

4 - A record of daily fuel consumption shall be maintained, retained on the premises for a period of at least two years and made available for District inspection upon request.

This Permit to Operate remains valid through the permit expiration date listed above, subject to payment of annual permit fees and compliance with permit conditions and all applicable local, state, and federal regulations. This permit is valid only at the location specified above, and becomes void upon any transfer of ownership or location. Any modification of the equipment or operation, as defined in District Rule 2201, will require a new permit. This permit shall be posted as prescribed in District Rule 2010.

DAVID L. CROW

Executive Director/APCO

Central Regional Office * 1999 Tuolumne, Suite 200 * Fresno, California 93721 * (209)497-1000 * FAX (209) 233-2203

San Joaquin Valley
Unified Air Pollution Control District

PERMIT TO OPERATE

PERMIT NO: C-2006-2-0 **EXPIRATION DATE:** 12/31/97

LEGAL OWNER OR OPERATOR: STEWART & NUSS, INC.
MAILING ADDRESS: P.O. BOX 886
FRESNO, CA 93714

LOCATION: 1000 W. NESS AVENUE, FRESNO

EQUIPMENT DESCRIPTION:
2.0 MMBTU/HR HOT OIL HEATER MODEL HC-200, USED TO HEAT LIGHT OIL WHICH IS PUMPED THROUGH COILS IN LIQUID ASPHALT STORAGE TANKS TO MAINTAIN THE ASPHALT PUMPING VISCOSITY. RATING = 2.0 MMBTU/HR.

CONDITIONS

1 - A record of daily fuel consumption shall be maintained, retained on the premises for a period of at least two years and made available for District inspection upon request.

2 - All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere.

3 - No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is dark or darker than Ringelmann 1 or equivalent 20% opacity.

This Permit to Operate remains valid through the permit expiration date listed above, subject to payment of annual permit fees and compliance with permit conditions and all applicable local, state, and federal regulations. This permit is valid only at the location specified above, and becomes void upon any transfer of ownership or location. Any modification of the equipment or operation, as defined in District Rule 2201, will require a new permit. This permit shall be posted as prescribed in District Rule 2010.

DAVID L. CROW

Executive Director/APCO

Central Regional Office * 1999 Tuolumne, Suite 200 * Fresno, California 93721 * (209)497-1000 * FAX (209) 233-2203

Appendix B

Letter from Calaveras Materials Inc.
Identifying Date of Shutdown

CALAVERAS

Calaveras Materials Inc.
1022 Woodland Avenue
P. O. Box 3171
Modesto, CA 95353
Telephone: 209-523-5615
Facsimile: 209-521-1721

November 20, 1997

COPY

Mr. David Warner
Manager of Permit Services
San Joaquin Valley Unified Air Pollution Control District
1999 Toulumne Street, Suite 200
Fresno, CA 93721

RE: Annual Air Pollution Fee - Facility ID: 2006

Dear Mr. Warner:

On December 12, 1997 Calaveras Materials Inc. will cease operation of the Asphalt Batch Plant located at 1000 W. Nees Avenue, Fresno / Facility ID: 2006. In conjunction, we are requesting cancellation of permit numbers C-2006-1-0 and C-2006-2-0. The 1998 Air Pollution fees for this facility will not be submitted per your Invoice Number 30302 for this reason. A copy of the bill and statement is enclosed.

Please forward the necessary application forms to bank any Emission Reduction Credits resulting from this plant closure to:

Douglas S. Taylor, P.E.
Manager Technical Services
Calaveras Materials Inc.
P.O. Box 886
Fresno, CA 93714

Thank you for your assistance and cooperation in this matter.

Sincerely,

Brian M. Bleakney

Brian M. Bleakney
Operations Manager

cc: D. Taylor, Mgr. Tech. Services
D. Toews, Area Manager
Plant File

Appendix C

AP-42 Figure 11.1-1

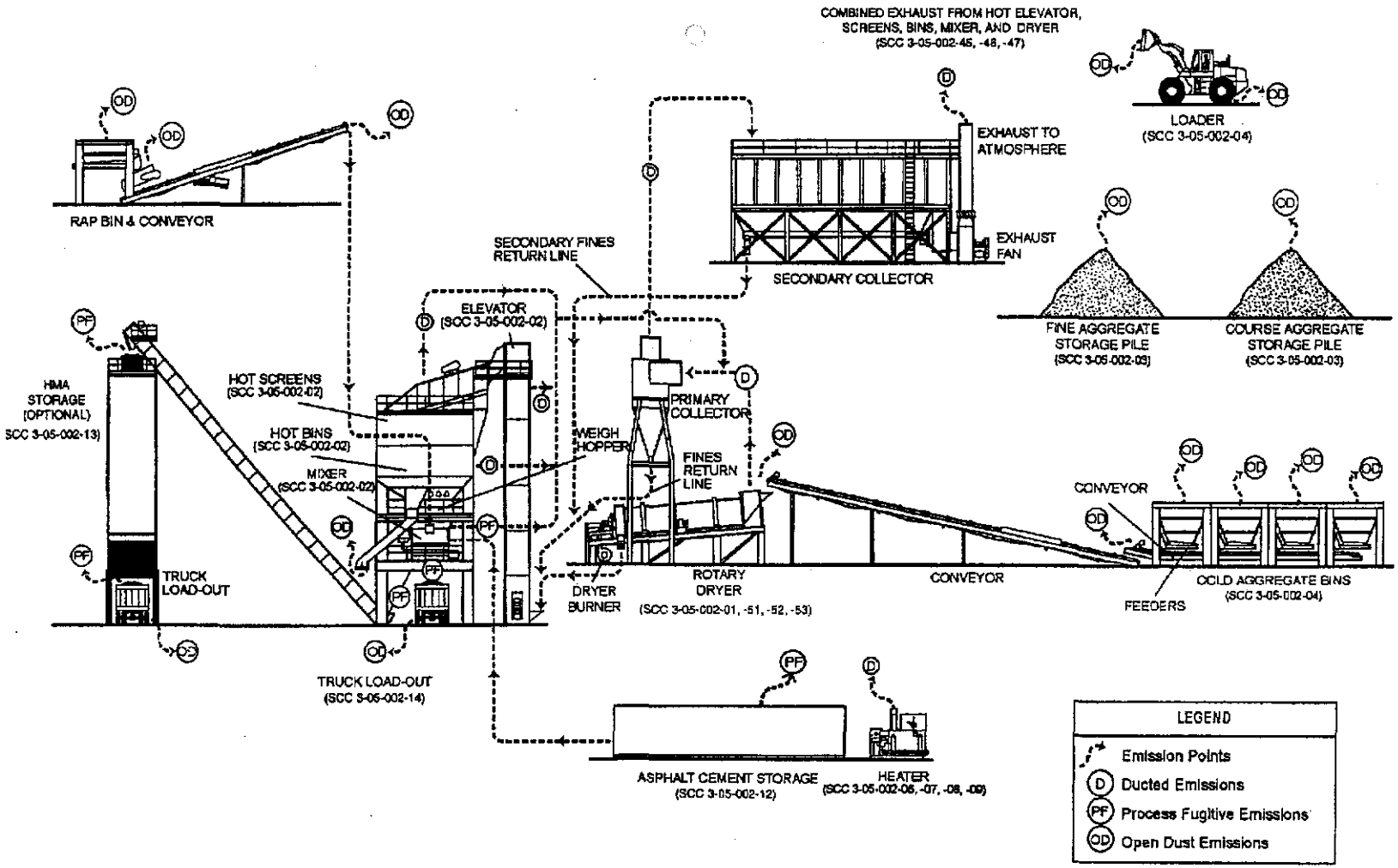

Figure 11.1-1. General process flow diagram for batch mix asphalt plants (source classification codes in parentheses).[3]

Appendix D

AP-42 Section 13.2.4.3

13.2.4 Aggregate Handling And Storage Piles

13.2.4.1 General

Inherent in operations that use minerals in aggregate form is the maintenance of outdoor storage piles. Storage piles are usually left uncovered, partially because of the need for frequent material transfer into or out of storage.

Dust emissions occur at several points in the storage cycle, such as material loading onto the pile, disturbances by strong wind currents, and loadout from the pile. The movement of trucks and loading equipment in the storage pile area is also a substantial source of dust.

13.2.4.2 Emissions And Correction Parameters

The quantity of dust emissions from aggregate storage operations varies with the volume of aggregate passing through the storage cycle. Emissions also depend on 3 parameters of the condition of a particular storage pile: age of the pile, moisture content, and proportion of aggregate fines.

When freshly processed aggregate is loaded onto a storage pile, the potential for dust emissions is at a maximum. Fines are easily disaggregated and released to the atmosphere upon exposure to air currents, either from aggregate transfer itself or from high winds. As the aggregate pile weathers, however, potential for dust emissions is greatly reduced. Moisture causes aggregation and cementation of fines to the surfaces of larger particles. Any significant rainfall soaks the interior of the pile, and then the drying process is very slow.

Silt (particles equal to or less than 75 micrometers [μm] in diameter) content is determined by measuring the portion of dry aggregate material that passes through a 200-mesh screen, using ASTM-C-136 method.[1] Table 13.2.4-1 summarizes measured silt and moisture values for industrial aggregate materials.

13.2.4.3 Predictive Emission Factor Equations

Total dust emissions from aggregate storage piles result from several distinct source activities within the storage cycle:

1. Loading of aggregate onto storage piles (batch or continuous drop operations).
2. Equipment traffic in storage area.
3. Wind erosion of pile surfaces and ground areas around piles.
4. Loadout of aggregate for shipment or for return to the process stream (batch or continuous drop operations).

Either adding aggregate material to a storage pile or removing it usually involves dropping the material onto a receiving surface. Truck dumping on the pile or loading out from the pile to a truck with a front-end loader are examples of batch drop operations. Adding material to the pile by a conveyor stacker is an example of a continuous drop operation.

The quantity of particulate emissions generated by either type of drop operation, per kilogram (kg) (ton) of material transferred, may be estimated, with a rating of A, using the following empirical expression:[11]

$$E = k(0.0016) \frac{\left(\frac{U}{2.2}\right)^{1.3}}{\left(\frac{M}{2}\right)^{1.4}} \text{ (kg/megagram [Mg])} \quad (1)$$

$$E = k(0.0032) \frac{\left(\frac{U}{5}\right)^{1.3}}{\left(\frac{M}{2}\right)^{1.4}} \text{ (pound [lb]/ton)}$$

where:

E = emission factor
k = particle size multiplier (dimensionless)
U = mean wind speed, meters per second (m/s) (miles per hour [mph])
M = material moisture content (%)

The particle size multiplier in the equation, k, varies with aerodynamic particle size range, as follows:

Aerodynamic Particle Size Multiplier (k) For Equation 1				
< 30 μm	< 15 μm	< 10 μm	< 5 μm	< 2.5 μm
0.74	0.48	0.35	0.20	0.11

The equation retains the assigned quality rating if applied within the ranges of source conditions that were tested in developing the equation, as follows. Note that silt content is included, even though silt content does not appear as a correction parameter in the equation. While it is reasonable to expect that silt content and emission factors are interrelated, no significant correlation between the 2 was found during the derivation of the equation, probably because most tests with high silt contents were conducted under lower winds, and vice versa. It is recommended that estimates from the equation be reduced 1 quality rating level if the silt content used in a particular application falls outside the range given:

Ranges Of Source Conditions For Equation 1			
Silt Content (%)	Moisture Content (%)	Wind Speed	
		m/s	mph
0.44 - 19	0.25 - 4.8	0.6 - 6.7	1.3 - 15

Appendix E

AP-42 Table 7.1-9

Table 7.1-9. AVERAGE ANNUAL WIND SPEED (v) FOR SELECTED U. S. LOCATIONS[a]

Location	Wind Speed (mph)	Location	Wind Speed (mph)	Location	Wind Speed (mph)
Alabama		Arizona (continued)		Delaware	
Birmingham	7.2	Winslow	8.9	Wilmington	9.1
Huntsville	8.2	Yuma	7.8	District of Columbia	
Mobile	9.0			Dulles Airport	7.4
Montgomery	6.6	Arkansas		National Airport	9.4
		Fort Smith	7.6		
Alaska		Little Rock	7.8	Florida	
Anchorage	6.9			Apalachicola	7.8
Annette	10.6	California		Daytona Beach	8.7
Barrow	11.8	Bakersfield	6.4	Fort Meyers	8.1
Barter Island	13.2	Blue Canyon	6.8	Jacksonville	8.0
Bethel	12.8	Eureka	6.8	Key West	11.2
Bettles	6.7	Fresno	6.3	Miami	9.3
Big Delta	8.2	Long Beach	6.4	Orlando	8.5
Cold Bay	17.0	Los Angeles (City)	6.2	Pensacola	8.4
Fairbanks	5.4	Los Angeles Int'l. Airport	7.5	Tallahassee	6.3
Gulkana	6.8	Mount Shasta	5.1	Tampa	8.4
Homer	7.6	Sacramento	7.9	West Palm Beach	9.6
Juneau	8.3	San Diego	6.9		
King Salmon	10.8	San Francisco (City)	8.7	Georgia	
Kodiak	10.8	San Francisco Airport	10.6	Athens	7.4
Kotzebue	13.0	Santa Maria	7.0	Atlanta	9.1
McGrath	5.1	Stockton	7.5	Augusta	6.5
Nome	10.7			Columbus	6.7
St. Paul Island	17.7	Colorado		Macon	7.6
Talkeetna	4.8	Colorado Springs	10.1	Savannah	7.9
Valdez	6.0	Denver	8.7		
Yakutat	7.4	Grand Junction	8.1	Hawaii	
		Pueblo	8.7	Hilo	7.2
Arizona				Honolulu	11.4
Flagstaff	6.8	Connecticut		Kahului	12.8
Phoenix	6.3	Bridgeport	12.0	Lihue	12.2
Tucson	8.3	Hartford	8.5		

Appendix F

Source Test Results for Asphalt Dryer

INTRODUCTION

On March 26, 1991, BTC Environmental performed source emissions tests for particulate matter, oxides of nitrogen, carbon monoxide, sulfur dioxides, and non-methane hydrocarbons on a baghouse connected to a fuel oil fired rotary drier. The unit is located the Stewart-Nuss asphalt plant located at the end of Ingram Avenue in Pinedale, Ca. The unit was operating at the following loads:

Run #1	252.2 Tons/hr
Run #2	243.0 Tons/hr
Run #3	227.9 Tons/hr

SAMPLING AND ANALYTICAL PROCEDURES

STACK GAS ANALYSIS: Samples of the stack gas were taken from the exhaust stack and analyzed for oxygen, carbon dioxide and carbon monoxide. The oxygen was determined with a Teledyne electrochemical cell oxygen analyzer. The carbon dioxide was checked using an ACS (Fuji) non-dispersive infrared analyzer. The carbon monoxide was analyzed with a TECO Model 48H gas filter correlation non-dispersive infrared analyzer. Readings were obtained continuously during each run and then averaged together to obtain the stack gas composition.

STACK GAS VELOCITY: The stack gas velocity was determined using an "S" type pitot tube connected to an inclined draft gauge or a magnehelic gauge.

The stack temperature was determined using a thermocouple and an indicating pyrometer. The proportion of water was determined gravimetrically and the dry molecular weight of the stack gas determined by E.P.A. Method 3, equation 3-2. Stack velocities were calculated using E.P.A. Method 2, equation 2-9; gas volumetric flow rate was determined by equation 2-10.

TOTAL PARTICULATE EMISSIONS: Particulates were collected using a Lace Model 31 stack sampler system that conforms to E.P.A. requirements for particulate sampling. The system consists of a heated probe, heated filter, and cooled impingers (see E.P.A. Method 5). A total of 24 sample points were taken (8 points per port). After the weight of the particulates on the filter and in the probe is determined, the total dissolved solids in the the impingers is added to the particulate weight in order to comply with Fresno County APCD regulations. Blanks for the DI water and acetone were analyzed and substracted from the total particulate weight.

PM-10 PARTICULATE EMISSIONS: PM-10 particulates were collected isokinetically from the stack at the same time that the total particulate sampling was undertaken. The sampling was done by using a GII cascade impactor system. The impactor consisted of a nozzle, two (2) stages with slotted filters, a final stage containing a backup filter and cooled impingers containing DI water. The nozzle and the two (2) stages respresents the +10µ fraction. The final stage and the impingers represent the -10µ fraction.

OXIDES OF NITROGEN: Continuous sampling was done through a refrigerated water drop-out on the stack and transported through a teflon line to the analyzer. The sample was taken and analyzed according to CARB Method 100. The gas sample was analyzed with a TECO Model 10 chemiluminescence NOx analyzer. Two (2) 60 minute samples were taken with data continuously recorded on a strip chart recorder. A system check was performed on the sampling train to assure a leak free sample.

OXIDES OF SULFUR: CARB Method 100 was utilized to determine sulfur dioxide concentration. The sulfur dioxide was analyzed by using a Western Research Model 721AT UV Sulfur Dioxide analyzer.

NON-METHANE HYDROCARBONS: Three (3) grab samples, one (1) bag per particulate run, were taken in inert Tedlar bags for non-methane hydrocarbon analysis. The samples were taken according to CARB Method 18. A Tedlar bag was placed in a vacuum chamber and the chamber attached to the sample line. A vacuum is applied to the chamber which allows the stack gas to enter the bag. The bag is then evacuated and refilled to assure that the sample line is completely purged with the stack gas. The bags were labeled, placed in a dark plastic bag and returned to the laboratyory for analysis. The samples were analyzed for hydrocarbon content by gas chromatography utilizing a flame ionization detection system.

LEAK CHECKS: Leak rates were conducted on the sampling train and the pitot tubes before and after each test. The leak check for the sampling train was done at the nozzle. Any leak rate greater than 0.02 cfm was corrected for in the volume calculations.

All calculations for lb/hr were done by using the flow rate of the stack gas. All values were calculated by using Fresno County APCD standard conditions (60°F & 29.92 in Hg).

If you have any questions concerning this test or if we can be of further assistance, please contact the undersigned at (805) 644-1095.

Respectfully submitted,

BTC Environmental, INC.

Tom Porter
Vice President - Air Test Division

Copies: 3 Condor Technologies

EMISSION SUMMARY

CONSTITUENT	RUN #1	RUN #2	Run #3	AVERAGE	lb/1000T
Total Particulate					
gr/DSCF	0.0645	0.0565	0.0641	*0.0617*	
lb/hr	16.78	13.93	16.40	*15.70*	68.15
PM 10 Particulate					
+10μ - %	58.42	45.59	63.28	*55.76*	
+10μ - lb/hr	9.80	6.35	10.38	*8.84*	36.68
-10μ - %	41.58	54.41	36.72	*44.24*	
-10μ - lb/hr	6.98	7.58	6.02	*6.86*	28.47
Sulfur Dioxide					
ppmv	31.8	32.8		*32.3*	
lbs/hr	9.54	9.84		*9.69*	42.21
Oxides of Nitrogen					
ppmv	55.0	57.0		*56.0*	
lb/hr	11.86	12.30		*12.08*	50.12
Carbon Monoxide					
ppmv	1123	1417		*1270*	
lbs/hr	147.45	186.05		*166.75*	691.91
Non-methane Hydrocarbons					
ppmv	2.0	0.9	<0.5	*1.1*	
lb/hr	0.79	0.35	<0.13	*0.42*	1.74

Appendix G

AP-42 Table 11.1-14

Table 11.1-14. PREDICTIVE EMISSION FACTOR EQUATIONS FOR LOAD-OUT AND SILO FILLING OPERATIONS[a]

EMISSION FACTOR RATING: C

Source	Pollutant	Equation
Drum mix or batch mix plant load-out (SCC 3-05-002-14)	Total PM[b]	$EF = 0.000181 + 0.00141(-V)e^{((0.0251)(T + 460) - 20.43)}$
	Organic PM[c]	$EF = 0.00141(-V)e^{((0.0251)(T + 460) - 20.43)}$
	TOC[d]	$EF = 0.0172(-V)e^{((0.0251)(T + 460) - 20.43)}$
	CO	$EF = 0.00558(-V)e^{((0.0251)(T + 460) - 20.43)}$
Silo filling (SCC 3-05-002-13)	Total PM[b]	$EF = 0.000332 + 0.00105(-V)e^{((0.0251)(T + 460) - 20.43)}$
	Organic PM[c]	$EF = 0.00105(-V)e^{((0.0251)(T + 460) - 20.43)}$
	TOC[d]	$EF = 0.0504(-V)e^{((0.0251)(T + 460) - 20.43)}$
	CO	$EF = 0.00488(-V)e^{((0.0251)(T + 460) - 20.43)}$

[a] Emission factor units are lb/ton of HMA produced. SCC = Source Classification Code. To convert from lb/ton to kg/Mg, multiply by 0.5. EF = emission factor; V = asphalt volatility, as determined by ASTM Method D2872-88 "Effects of Heat and Air on a Moving Film of Asphalt (Rolling Thin Film Oven Test - RTFOT)," where a 0.5 percent loss-on-heating is expressed as "-0.5." Regional- or site-specific data for asphalt volatility should be used, whenever possible; otherwise, a default value of -0.5 should be used for V in these equations. T = HMA mix temperature in °F. Site-specific temperature data should be used, whenever possible; otherwise a default temperature of 325°F can be used. Reference 1, Tables 4-27 through 4-31, 4-34 through 4-36, and 4-38 through 4-41.

[b] Total PM, as measured by EPA Method 315 (EPA Method 5 plus the extractable organic particulate from the impingers). Total PM is assumed to be predominantly PM-2.5 since emissions consist of condensed vapors.

[c] Extractable organic PM, as measured by EPA Method 315 (methylene chloride extract of EPA Method 5 particulate plus methylene chloride extract of impinger particulate).

[d] TOC as propane, as measured with an EPA Method 25A sampling train or equivalent sampling train.

Table 11.1-16. SPECIATION PROFILES FOR LOAD-OUT, SILO FILLING, AND ASPHALT STORAGE EMISSIONS–ORGANIC VOLATILE-BASED COMPOUNDS

EMISSION FACTOR RATING: C

Pollutant	CASRN	Speciation Profile for Load-Out and Yard Emissions	Speciation Profile for Silo Filling and Asphalt Storage Tank Emissions
		Compound/TOC[a]	Compound/TOC (%)[a]
VOC[b]		94%[b]	100%
Non-VOC/non-HAPs			
Methane	74-82-8	6.5%	0.26%
Acetone	67-64-1	0.046%	0.055%
Ethylene	74-85-1	0.71%	1.1%
Total non-VOC/non-HAPS		7.3%	1.4%
Volatile organic HAPS			
Benzene	71-43-2	0.052%	0.032%
Bromomethane	74-83-9	0.0096%	0.0049%
2-Butanone	78-93-3	0.049%	0.039%
Carbon Disulfide	75-15-0	0.013%	0.016%
Chloroethane	75-00-3	0.00021%	0.0040%
Chloromethane	74-87-3	0.015%	0.023%
Cumene	92-82-8	0.11%	ND[c]
Ethylbenzene	100-41-4	0.28%	0.038%
Formaldehyde	50-00-0	0.088%	0.69%
n-Hexane	100-54-3	0.15%	0.10%
Isooctane	540-84-1	0.0018%	0.00031%
Methylene Chloride	75-09-2	0.0%[d]	0.00027%
MTBE	596899	0.0%[d]	ND[c]
Styrene	100-42-5	0.0073%	0.0054%
Tetrachloroethene	127-18-4	0.0077%	ND[c]
Toluene	100-88-3	0.21%	0.062%
1,1,1-Trichloroethane	71-55-6	0.0%[d]	ND[c]
Trichloroethene	79-01-6	0.0%[d]	ND[c]
Trichlorofluoromethane	75-69-4	0.0013%	ND[c]
m-/p-Xylene	1330-20-7	0.41%	0.2%
o-Xylene	95-47-6	0.08%	0.057%
Total volatile organic HAPs		1.5%	1.3%

[a] Emission factor for compound is determined by multiplying the percentage presented for the compound by the emission factor for total organic compounds (TOC) as determined from Table 11.1-14.

Table 11.1-16 (cont.)

[b] The VOC percentages are equal to 100 percent of TOC minus the methane, acetone, methylene chloride, and 1,1,1-trichloroethane percentages.

[c] ND = Measured data below detection limits. Additional compounds that were not detected are: acrylonitrile, allyl chloride, bromodichloromethane, bromoform, 1,3-butadiene, carbon tetrachloride, chlorobenzene, chloroform, dibromochloromethane, 1,2-dibromoethane, 1,1-dichloroethane, 1,2-dichloroethane, 1,1-dichloroethene, cis-1,2-dichloroethene, trans-1,2-dichloroethene, 1,2-dichloropropane, cis-1,3-dichloropropene, trans-1,3-dichloropropene, 1,2-epoxybutane, ethyl acrylate, 2-hexanone, iodomethane, methyl methacrylate, 1,1,2,2-tetrachloroethane, 1,1,2-trichloroethane, vinyl acetate, vinyl bromide, and vinyl chloride

[d] Values presented as 0.0% had background concentrations higher than the capture efficiency-corrected measured concentration.

Appendix H

AP-42 Tables 1.3-1, 1.3-2, and 1.3-3

Table 1.3-1. CRITERIA POLLUTANT EMISSION FACTORS FOR FUEL OIL COMBUSTION[a]

Firing Configuration (SCC)[a]	SO_2[b]		SO_3[c]		NO_x[d]		CO[e]		Filterable PM[f]	
	Emission Factor ($lb/10^3$ gal)	EMISSION FACTOR RATING	Emission Factor ($lb/10^3$ gal)	EMISSION FACTOR RATING	Emission Factor ($lb/10^3$ gal)	EMISSION FACTOR RATING	Emission Factor ($lb/10^3$ gal)	EMISSION FACTOR RATING	Emission Factor ($lb/10^3$ gal)	EMISSION FACTOR RATING
Boilers > 100 Million Btu/hr										
No. 6 oil fired, normal firing (1-01-004-01), (1-02-004-01), (1-03-004-01)	157S	A	5.7S	C	47	A	5	A	9.19(S)+3.22	A
No. 6 oil fired, normal firing, low NO_x burner (1-01-004-01), (1-02-004-01)	157S	A	5.7S	C	40	B	5	A	9.19(S)+3.22	A
No. 6 oil fired, tangential firing, (1-01-004-04)	157S	A	5.7S	C	32	A	5	A	9.19(S)+3.22	A
No. 6 oil fired, tangential firing, low NO_x burner (1-01-004-04)	157S	A	5.7S	C	26	E	5	A	9.19(S)+3.22	A
No. 5 oil fired, normal firing (1-01-004-05), (1-02-004-04)	157S	A	5.7S	C	47	B	5	A	10	B
No. 5 oil fired, tangential firing (1-01-004-06)	157S	A	5.7S	C	32	B	5	A	10	B
No. 4 oil fired, normal firing (1-01-005-04), (1-02-005-04)	150S	A	5.7S	C	47	B	5	A	7	B
No. 4 oil fired, tangential firing (1-01-005-05)	150S	A	5.7S	C	32	B	5	A	7	B
No. 2 oil fired (1-01-005-01), (1-02-005-01), (1-03-005-01)	157S	A	5.7S	C	24	D	5	A	2	A
No.2 oil fired, LNB/FGR, (1-01-005-01), (1-02-005-01), (1-03-005-01)	157S	A	5.7S	A	10	D	5	A	2	A

Table 1.3-1. (cont.)

Firing Configuration (SCC)[a]	SO_2[b]		SO_3[c]		NO_x[d]		CO[e]		Filterable PM[f]	
	Emission Factor ($lb/10^3$ gal)	EMISSION FACTOR RATING	Emission Factor ($lb/10^3$ gal)	EMISSION FACTOR RATING	Emission Factor ($lb/10^3$ gal)	EMISSION FACTOR RATING	Emission Factor ($lb/10^3$ gal)	EMISSION FACTOR RATING	Emission Factor ($lb/10^3$ gal)	EMISSION FACTOR RATING
Boilers < 100 Million Btu/hr										
No. 6 oil fired (1-02-004-02/03) (1-03-004-02/03)	157S	A	2S	A	55	A	5	A	10	B
No. 5 oil fired (1-03-004-04)	157S	A	2S	A	55	A	5	A	9.19(S)+3.22	A
No. 4 oil fired (1-03-005-04)	150S	A	2S	A	20	A	5	A	7	B
Distillate oil fired (1-02-005-02/03) (1-03-005-02/03)	142S	A	2S	A	20	A	5	A	2	A
Residential furnace (A2104004/A2104011)	142S	A	2S	A	18	A	5	A	0.4[g]	B

[a] To convert from $lb/10^3$ gal to $kg/10^3$ L, multiply by 0.120. SCC = Source Classification Code.

[b] References 1-2,6-9,14,56-60. S indicates that the weight % of sulfur in the oil should be multiplied by the value given. For example, if the fuel is 1% sulfur, then S = 1.

[c] References 1-2,6-8,16,57-60. S indicates that the weight % of sulfur in the oil should be multiplied by the value given. For example, if the fuel is 1% sulfur, then S = 1.

[d] References 6-7,15,19,22,56-62. Expressed as NO_2. Test results indicate that at least 95% by weight of NO_x is NO for all boiler types except residential furnaces, where about 75% is NO. For utility vertical fired boilers use 105 $lb/10^3$ gal at full load and normal (>15%) excess air. Nitrogen oxides emissions from residual oil combustion in industrial and commercial boilers are related to fuel nitrogen content, estimated by the following empirical relationship: lb $NO_2/10^3$ gal = 20.54 + 104.39(N), where N is the weight % of nitrogen in the oil. For example, if the fuel is 1% nitrogen, then N = 1.

[e] References 6-8,14,17-19,56-61. CO emissions may increase by factors of 10 to 100 if the unit is improperly operated or not well maintained.

[f] References 6-8,10,13-15,56-60,62-63. Filterable PM is that particulate collected on or prior to the filter of an EPA Method 5 (or equivalent) sampling train. Particulate emission factors for residual oil combustion are, on average, a function of fuel oil sulfur content where S is the weight % of sulfur in oil. For example, if fuel oil is 1% sulfur, then S = 1.

[g] Based on data from new burner designs. Pre-1970's burner designs may emit filterable PM as high as 3.0 $lb/10^3$ gal.

Table 1.3-2. CONDENSABLE PARTICULATE MATTER EMISSION FACTORS FOR OIL COMBUSTION[a]

Firing Configuration[b] (SCC)	Controls	CPM - TOT[c,d]		CPM - IOR[c,d]		CPM - ORG[c,d]	
		Emission Factor ($lb/10^3$ gal)	EMISSION FACTOR RATING	Emission Factor ($lb/10^3$ gal)	EMISSION FACTOR RATING	Emission Factor ($lb/10^3$ gal)	EMISSION FACTOR RATING
No. 2 oil fired (1-01-005-01, 1-02-005-01, 1-03-005-01)	All controls, or uncontrolled	1.3[d,e]	D	65% of CPM-TOT emission factor[c]	D	35% of CPM-TOT emission factor[c]	D
No. 6 oil fired (1-01-004-01/04, 1-02-004-01, 1-03-004-01)	All controls, or uncontrolled	1.5[f]	D	85% of CPM-TOT emission factor[d]	E	15% of CPM-TOT emission factor[d]	E

[a] All condensable PM is assumed to be less than 1.0 micron in diameter.

[b] No data are available for numbers 3, 4, and 5 oil. For number 3 oil, use the factors provided for number 2 oil. For numbers 4 and 5 oil, use the factors provided for number 6 oil.

[c] CPM-TOT = total condensable particulate matter.
CPM-IOR = inorganic condensable particulate matter.
CPM-ORG = organic condensable particulate matter.

[d] To convert to lb/MMBtu of No. 2 oil, divide by 140 MMBtu/10^3 gal. To convert to lb/MMBtu of No. 6 oil, divide by 150 MMBtu/10^3 gal.

[e] References: 76-78.

[f] References: 79-82.

Table 1.3-3. EMISSION FACTORS FOR TOTAL ORGANIC COMPOUNDS (TOC), METHANE, AND NONMETHANE TOC (NMTOC) FROM UNCONTROLLED FUEL OIL COMBUSTION[a]

EMISSION FACTOR RATING: A

Firing Configuration (SCC)	TOC[b] Emission Factor ($lb/10^3$ gal)	Methane[b] Emission Factor ($lb/10^3$ gal)	NMTOC[b] Emission Factor ($lb/10^3$ gal)
Utility boilers			
No. 6 oil fired, normal firing (1-01-004-01)	1.04	0.28	0.76
No. 6 oil fired, tangential firing (1-01-004-04)	1.04	0.28	0.76
No. 5 oil fired, normal firing (1-01-004-05)	1.04	0.28	0.76
No. 5 oil fired, tangential firing (1-01-004-06)	1.04	0.28	0.76
No. 4 oil fired, normal firing (1-01-005-04)	1.04	0.28	0.76
No. 4 oil fired, tangential firing (1-01-005-05)	1.04	0.28	0.76
Industrial boilers			
No. 6 oil fired (1-02-004-01/02/03)	1.28	1.00	0.28
No. 5 oil fired (1-02-004-04)	1.28	1.00	0.28
Distillate oil fired (1-02-005-01/02/03)	0.252	0.052	0.2
No. 4 oil fired (1-02-005-04)	0.252	0.052	0.2
Commercial/institutional/residential combustors			
No. 6 oil fired (1-03-004-01/02/03)	1.605	0.475	1.13
No. 5 oil fired (1-03-004-04)	1.605	0.475	1.13
Distillate oil fired (1-03-005-01/02/03)	0.556	0.216	0.34
No. 4 oil fired (1-03-005-04)	0.556	0.216	0.34
Residential furnace (A2104004/A2104011)	2.493	1.78	0.713

[a] To convert from $lb/10^3$ gal to $kg/10^3$ L, multiply by 0.12. SCC = Source Classification Code.

[b] References 29-32. Volatile organic compound emissions can increase by several orders of magnitude if the boiler is improperly operated or is not well maintained.

Appendix I

Asphalt Production and Fuel Consumption
Quarterly Summary Sheet

	1993				
		Fuel Consumption			
	Asphalt Produced (Tons)	Heater-Diesel (Gal)	Burner-PO50 (Gal)	Total Fuel (Gal)	Rate (Gal/Ton)
1st Quarter	22,239	4,811	*44,256*	49,067	2.21
2nd Quarter	76,952	5,191	*110,041*	115,232	1.50
3rd Quarter	87,939	3,563	*128,391*	131,954	1.50
4th Quarter	57,048	3,988	*82,149*	86,137	1.51
Total	**244,178**	**17,553**	**364,837**	**382,390**	**1.57**

	1994				
		Fuel Consumption			
	Asphalt Produced (Tons)	Heater-Diesel (Gal)	Burner-PO50 (Gal)	Total Fuel (Gal)	Rate (Gal/Ton)
1st Quarter	26,756	4,913	*53,244*	58,157	2.17
2nd Quarter	67,312	5,615	*96,256*	101,871	1.51
3rd Quarter	92,187	2,000	*134,593*	136,593	1.48
4th Quarter	49,344	4,281	*71,055*	75,336	1.53
Total	**235,599**	**16,809**	**355,149**	**371,958**	**1.58**

	1995				
		Fuel Consumption			
	Asphalt Produced (Tons)	Heater-Diesel (Gal)	Burner-PO50 (Gal)	Total Fuel (Gal)	Rate (Gal/Ton)
1st Quarter	25,701	4,601	*51,145*	55,746	2.17
2nd Quarter	77,912	5,845	*111,414*	117,259	1.51
3rd Quarter	79,120	4,489	119,495	123,984	1.57
4th Quarter	97,248	5,138	134,460	139,598	1.44
Total	**279,981**	**20,073**	**416,514**	**436,587**	**1.56**

	1996				
		Fuel Consumption			
	Asphalt Produced (Tons)	Heater-Diesel (Gal)	Burner-PO50 (Gal)	Total Fuel (Gal)	Rate (Gal/Ton)
1st Quarter	30,941	4,123	58,416	62,539	2.02
2nd Quarter	70,923	3,502	101,663	105,165	1.48
3rd Quarter	97,617	1,975	136,841	138,816	1.42
4th Quarter	52,182	4,808	78,163	82,971	1.59
Total	**251,663**	**14,408**	**375,083**	**389,491**	**1.55**

	1997				
		Fuel Consumption			
	Asphalt Produced (Tons)	Heater-Diesel (Gal)	Burner-PO50 (Gal)	Total Fuel (Gal)	Rate (Gal/Ton)
1st Quarter	33,601	4,962	70,065	75,027	2.23
2nd Quarter	72,725	3,917	*103,997*	107,914	1.48
3rd Quarter	63,333	3,951	*92,466*	96,417	1.52
4th Quarter	5,557	1,000	*8,002*	9,002	1.62
Total	**175,216**	**13,830**	**274,530**	**288,360**	**1.65**

Appendix J

Asphalt Throughput Percentage
for Silo Filling Worksheet

Asphalt Throughput Percentage for Silo Filling

	April '96		May '96			June '96			July '96	
	SC800M	Total Asphalt		SC800M	Total Asphalt		SC800M	Total Asphalt		SC800M	Total Asphalt
1-Apr	52	304	1-May	0	1813	1-Jun	--	--	1-Jul	0	883
2-Apr	0	96	2-May	87	1853	2-Jun	--	--	2-Jul	104	1751
3-Apr	0	1554	3-May	52	1105	3-Jun	185	1050	3-Jul	0	658
4-Apr	104	780	4-May	--	--	4-Jun	0	966	4-Jul	--	--
5-Apr	0	458	5-May	--	--	5-Jun	0	1223	5-Jul	0	268
6-Apr	--	--	6-May	0	611	6-Jun	0	876	6-Jul	--	--
7-Apr	--	--	7-May	0	655	7-Jun	0	1325	7-Jul	--	--
8-Apr	104	298	8-May	68	1307	8-Jun	--	--	8-Jul	0	158
9-Apr	0	340	9-May	56	1768	9-Jun	--	--	9-Jul	0	654
10-Apr	78	846	10-May	0	987	10-Jun	0	264	10-Jul	26	1793
11-Apr	0	1565	11-May	--	--	11-Jun	114	707	11-Jul	0	1335
12-Apr	0	1318	12-May	--	--	12-Jun	0	560	12-Jul	75	624
13-Apr	--	--	13-May	65	1624	13-Jun	0	2276	13-Jul	--	--
14-Apr	--	--	14-May	0	1820	14-Jun	0	870	14-Jul	--	--
15-Apr	101	721	15-May	85	1527	15-Jun	--	--	15-Jul	0	2083
16-Apr	0	77	16-May	0	672	16-Jun	--	--	16-Jul	148	1693
17-Apr	0	21	17-May	0	1321	17-Jun	127	1680	17-Jul	0	1008
18-Apr	52	477	18-May	--	--	18-Jun	0	980	18-Jul	0	961
19-Apr	0	320	19-May	--	--	19-Jun	0	1389	19-Jul	0	912
20-Apr	--	--	20-May	0	969	20-Jun	100	1191	20-Jul	--	--
21-Apr	--	--	21-May	97	1451	21-Jun	0	1349	21-Jul	--	--
22-Apr	0	522	22-May	0	1249	22-Jun	--	--	22-Jul	0	309
23-Apr	78	1209	23-May	0	1233	23-Jun	--	--	23-Jul	136	1107
24-Apr	52	827	24-May	96	1770	24-Jun	0	901	24-Jul	0	1280
25-Apr	75	1396	25-May	--	--	25-Jun	6	1251	25-Jul	0	1724
26-Apr	11	1089	26-May	--	--	26-Jun	152	1113	26-Jul	0	240
27-Apr	--	--	27-May	--	--	27-Jun	0	1714	27-Jul	--	--
28-Apr	--	--	28-May	0	1296	28-Jun	0	1237	28-Jul	--	--
29-Apr	0	1809	29-May	146	1862	29-Jun	--	--	29-Jul	0	1183
30-Apr	94	1060	30-May	0	2252	30-Jun	--	--	30-Jul	0	2608
TOTAL:	**801**	**17087**	31-May	0	1769	**TOTAL:**	**684**	**22922**	31-Jul	0	2412
			TOTAL:	**752**	**30914**				**TOTAL:**	**489**	**25644**
Percentage:		**4.69%**	**Percentage:**		**2.43%**	**Percentage:**		**2.98%**	**Percentage:**		**1.91%**

Four Month Average Percentage = 3.00%

Appendix K

Draft ERCs
C-233-1 through C-233-5

San Joaquin Valley
Air Pollution Control District

Central Regional Office • 1990 E. Gettysburg Ave. • Fresno, CA 93726

Emission Reduction Credit Certificate
C-233-1

ISSUED TO: CALAVERAS MATERIALS INC.

ISSUED DATE: <DRAFT>

LOCATION OF REDUCTION: 1000 W NESS AVE, FRESNO, CA

For VOC Reduction In The Amount Of:

Quarter 1	Quarter 2	Quarter 3	Quarter 4
148 lbs	410 lbs	483 lbs	300 lbs

[ ] Conditions Attached

Method Of Reduction

[X] Shutdown of Entire Stationary Source
[ ] Shutdown of Emissions Units
[ ] Other

SHUTDOWN OF ASPHALT BATCH PLANT

Use of these credits outside the San Joaquin Valley Unified Air Pollution Control District (SJVUAPCD) is not allowed without express written authorization by the SJVUAPCD.

David L. Crow, Executive Director / APCO

DRAFT

Seyed Sadredin, Director of Permit Services

San Joaquin Valley
Air Pollution Control District

Central Regional Office • 1990 E. Gettysburg Ave. • Fresno, CA 93726

Emission Reduction Credit Certificate
C-233-2

ISSUED TO: CALAVERAS MATERIALS INC.

ISSUED DATE: <DRAFT>

LOCATION OF REDUCTION: 1000 W NESS AVE, FRESNO, CA

For NOx Reduction In The Amount Of:

Quarter 1	Quarter 2	Quarter 3	Quarter 4
1,265 lbs	3,371 lbs	3,913 lbs	2,469 lbs

[ ] Conditions Attached

Method Of Reduction

[X] Shutdown of Entire Stationary Source
[ ] Shutdown of Emissions Units
[ ] Other

SHUTDOWN OF ASPHALT BATCH PLANT

Use of these credits outside the San Joaquin Valley Unified Air Pollution Control District (SJVUAPCD) is not allowed without express written authorization by the SJVUAPCD.

David L. Crow, Executive Director / APCO

DRAFT

Seyed Sadredin, Director of Permit Services

San Joaquin Valley
Air Pollution Control District

Central Regional Office • 1990 E. Gettysburg Ave. • Fresno, CA 93726

Emission Reduction Credit Certificate
C-233-3

ISSUED TO: CALAVERAS MATERIALS INC.

ISSUED DATE: <DRAFT>

LOCATION OF REDUCTION: 1000 W NESS AVE, FRESNO, CA

For CO Reduction In The Amount Of:

Quarter 1	Quarter 2	Quarter 3	Quarter 4
16,388 lbs	45,337 lbs	53,463 lbs	33,214 lbs

[ ] Conditions Attached

Method Of Reduction

[X] Shutdown of Entire Stationary Source
[ ] Shutdown of Emissions Units
[ ] Other

SHUTDOWN OF ASPHALT BATCH PLANT

Use of these credits outside the San Joaquin Valley Unified Air Pollution Control District (SJVUAPCD) is not allowed without express written authorization by the SJVUAPCD.

David L. Crow, Executive Director / APCO

DRAFT

Seyed Sadredin, Director of Permit Services

San Joaquin Valley
Air Pollution Control District

Central Regional Office • 1990 E. Gettysburg Ave. • Fresno, CA 93726

Emission Reduction Credit Certificate
C-233-4

ISSUED TO: CALAVERAS MATERIALS INC.

ISSUED DATE: <DRAFT>

LOCATION OF REDUCTION: 1000 W NESS AVE, FRESNO, CA

For PM10 Reduction In The Amount Of:

Quarter 1	Quarter 2	Quarter 3	Quarter 4
243 lbs	652 lbs	759 lbs	479 lbs

[ ] Conditions Attached

Method Of Reduction

[X] Shutdown of Entire Stationary Source
[ ] Shutdown of Emissions Units
[ ] Other

SHUTDOWN OF ASPHALT BATCH PLANT

Use of these credits outside the San Joaquin Valley Unified Air Pollution Control District (SJVUAPCD) is not allowed without express written authorization by the SJVUAPCD.

David L. Crow, Executive Director / APCO

DRAFT

Seyed Sadredin, Director of Permit Services

San Joaquin Valley
Air Pollution Control District

Central Regional Office • 1990 E. Gettysburg Ave. • Fresno, CA 93726

Emission Reduction Credit Certificate
C-233-5

ISSUED TO: CALAVERAS MATERIALS INC.

ISSUED DATE: <DRAFT>

LOCATION OF REDUCTION: 1000 W NESS AVE, FRESNO, CA

For SOx Reduction In The Amount Of:

Quarter 1	Quarter 2	Quarter 3	Quarter 4
998 lbs	2,716 lbs	3,181 lbs	1,989 lbs

[ ] Conditions Attached

Method Of Reduction

[X] Shutdown of Entire Stationary Source
[ ] Shutdown of Emissions Units
[ ] Other

SHUTDOWN OF ASPHALT BATCH PLANT

Use of these credits outside the San Joaquin Valley Unified Air Pollution Control District (SJVUAPCD) is not allowed without express written authorization by the SJVUAPCD.

David L. Crow, Executive Director / APCO

DRAFT

Seyed Sadredin, Director of Permit Services

Jul 14 2003 7:49AM – VILLEGAE

E. V.

SAN JOAQUIN VALLEY APCD

ATTN FINANCE DEPARTMENT

1990 E GETTYSBURG

FRESNO , CA 93726

PROOF OF PUBLICATION

COUNTY OF FRESNO
STATE OF CALIFORNIA

EXHIBIT A.

PUBLIC NOTICE

#45311

NOTICE OF PRELIMINARY DECISION FOR THE PROPOSED ISSUANCE OF EMISSION REDUCTION CREDITS

NOTICE IS HEREBY GIVEN that the San Joaquin Valley Unified Air Pollution Control District solicits public comment on the proposed issuance of Emission Reduction Credits (ERCs) to Calaveras Materials, Inc. for the shutdown of an entire asphalt batch plant, at 1000 Nees Avenue, Fresno CA. The quantity of ERCs proposed for banking is 1,341 lb VOC/year, 11,018 lb NOx/year, 148,402 lb CO/year, 2,133 lb PM10/year, and 8,884 lb SOx/year.

The analysis of the regulatory basis for these proposed actions, Project #C-980294, is available for public inspection at the District office at the address below. Written comments on this project must be submitted within 30 days of the publication date of this notice to SEYED SADREDIN, DIRECTOR OF PERMIT SERVICES, SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT, 1990 EAST GETTYSBURG AVENUE, FRESNO, CA 93726.

(PUB: July 18, 2003)

The undersigned states:

McClatchy Newspapers in and on all dates herein stated was a corporation, and the owner and publisher of The Fresno Bee.

The Fresno Bee is a daily newspaper of general circulation now published, and on all-the-dates herein stated was published in the City of Fresno, County of Fresno, and has been adjudged a newspaper of general circulation by the Superior Court of the County of Fresno, State of California, under the date of November 22, 1994, Action No. 520058-9.

The undersigned is and on all dates herein mentioned was a citizen of the United States, over the age of twenty-one years, and is the principal clerk of the printer and publisher of said newspaper; and that the notice, a copy of which is hereto annexed, marked Exhibit A, hereby made a part hereof, was published in The Fresno Bee in each issue thereof (in type not smaller than nonpareil), on the following dates.

July 18, 2003

Beginning on the day of 19 ,
to the day of 19 inclusive.

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

Dated JULY 18, 2003

Cathy Aguilera

FPROOFAD

Story #45311 System FRSCZ by JALONZO Time 15:25:44 Date 7/16/03

Account: 2306000SAN Class: 894 Last user: JALONZO
Ad Start: 7/18/03 Ad Stop: 7/18/03 Total Cost: $204.12 Run Days: fri Page 1 Black

PUBLIC NOTICE

#45311

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(PUB: July 18, 2003)

Errol

TO: LYNN SARGENTI

From The Fresno Bee
Legal Notices Desk
Ph. (559) 441-6115
Fax (559) 495-6825

-Please Proofread-
This notice will run as-is unless otherwise instructed

San Joaquin Valley
Air Pollution Control District

FILE

November 2, 2000

Burton E. Gilpin, Services Manager
Calaveras Materials Inc.
3451 W. Shaw Ave.
Fresno, CA 93711

Re: ERC Application, Project 980294
Request for Information

Dear Mr. Gilpin:

The District is currently processing your Emission Reduction Credit application for the shutdown of an asphalt batch plant at 1000 W. Nees Avenue in Fresno. In order to continue processing this application, we need the following information to supplement the information you have previously submitted:

1. Please create a process flow diagram (similar to the Attachment), that presents all the transfer points of the asphalt batch plant. Also, indicate if there are controls on any of the transfer points (enclosed transfer point, wet suppression, natural moisture of material).

2. Please identify the process throughputs from all the transfer points in the facility. For example, the throughput (in tons/hr) from the feeder belt to the tunnel belt, etc.

In response, please refer to the above project number, and send to the attention of Mr. Errol Villegas of the Central Region office. Please submit the requested information within 30 days. The District will not be able to continue processing your application until this information is received.

Thank you for your cooperation in this matter. Should you have any questions, please contact Mr. Errol Villegas of Permit Services at (559) 230-5906 or errol.villegas@valleyair.org.

Sincerely,

Seyed Sadredin
Director of Permit Services

David Warner
Permit Services Manager

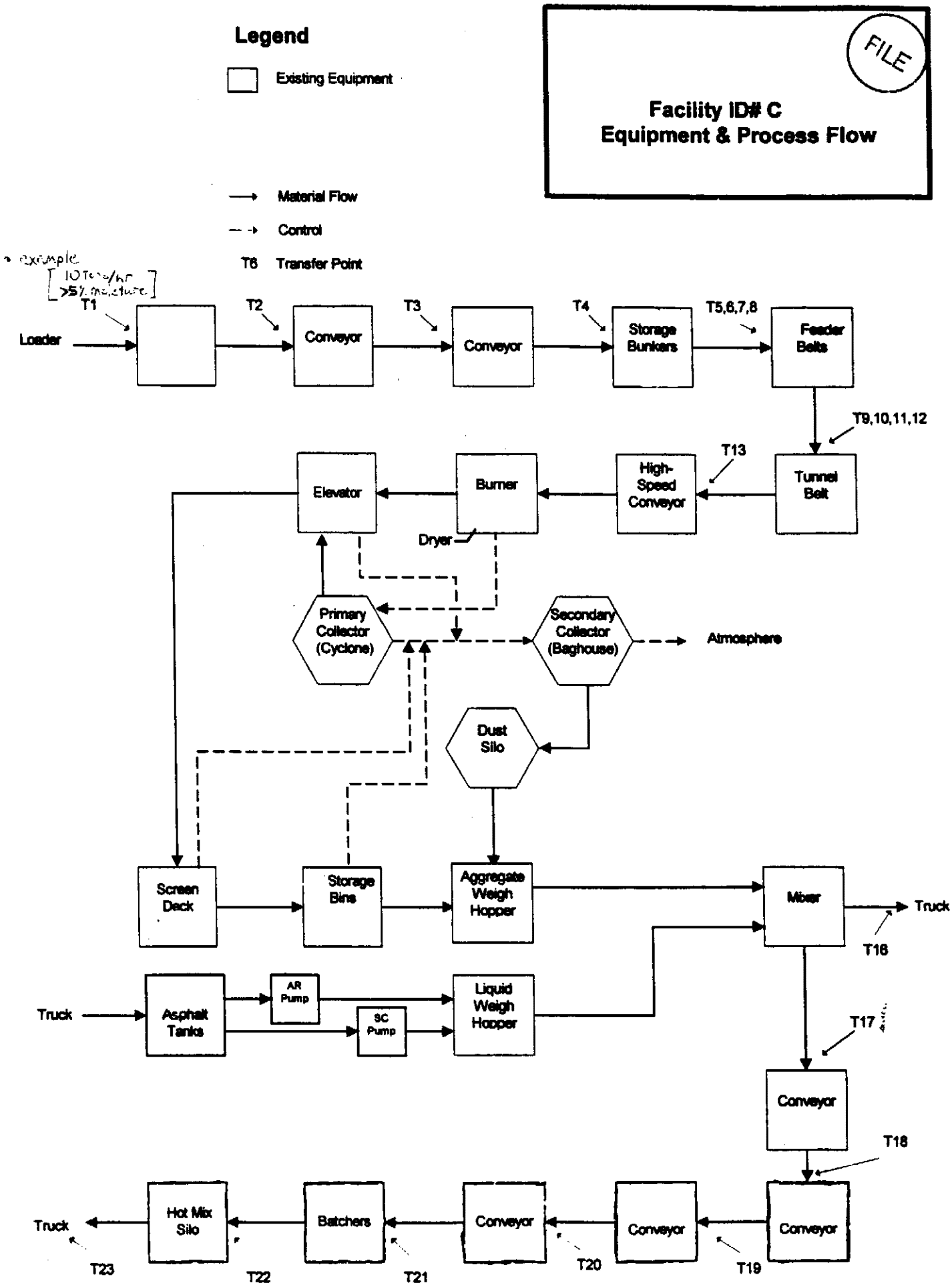
EV

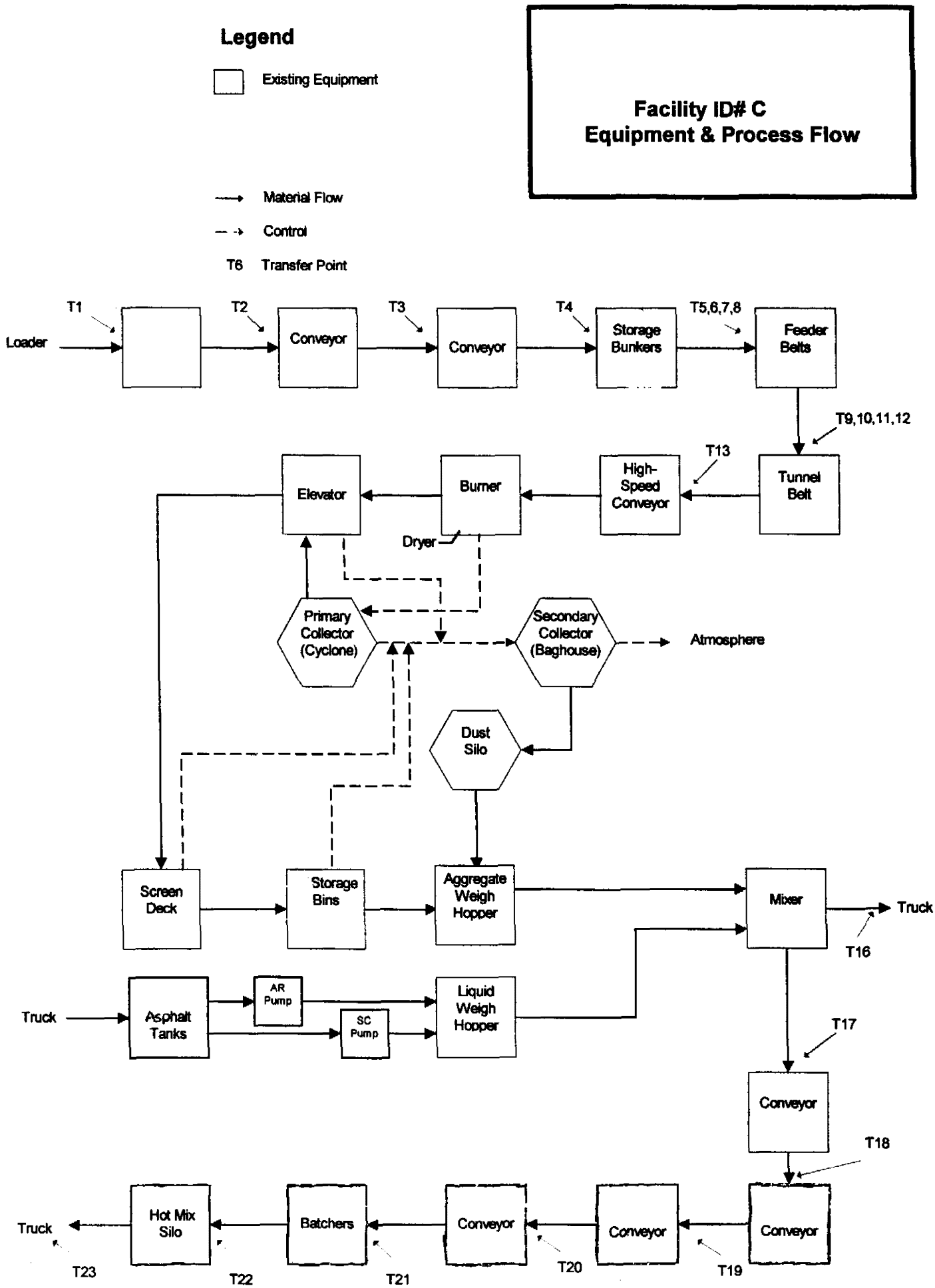
David L. Crow
Executive Director/Air Pollution Control Officer

Northern Region Office
4230 Kiernan Avenue, Suite 130
Modesto, CA 95356-9322
(209) 557-6400 ◆ FAX (209) 557-6475

Central Region Office
1990 E. Gettysburg Avenue
Fresno, CA 93726-0244
(559) 230-6000 ◆ FAX (559) 230-6061

Southern Region Office
2700 M Street, Suite 275
Bakersfield, CA 93301-2370
(661) 326-6900 ◆ FAX (661) 326-6985


Legend
Existing Equipment
Material Flow
Control
T6 Transfer Point
FILE
Facility ID# C
Equipment & Process Flow
example
[10Tons/hr
>5% moisture]
T1
T2
T3
T4
T5,6,7,8
T9,10,11,12
T13
Loader
Conveyor
Conveyor
Storage Bunkers
Feeder Belts
Tunnel Belt
High-Speed Conveyor
Burner
Elevator
Dryer
Primary Collector (Cyclone)
Secondary Collector (Baghouse)
Atmosphere
Dust Silo
Screen Deck
Storage Bins
Aggregate Weigh Hopper
Mixer
Truck
T16
Truck
Asphalt Tanks
AR Pump
SC Pump
Liquid Weigh Hopper
T17
Conveyor
T18
Conveyor
Conveyor
Conveyor
Batchers
Hot Mix Silo
Truck
T19
T20
T21
T22
T23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T16
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Conveyor
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Truck
T23

INTRODUCTION

On March 26, 1991, BTC Environmental performed source emissions tests for particulate matter, oxides of nitrogen, carbon monoxide, sulfur dioxides, and non-methane hydrocarbons on a baghouse connected to a fuel oil fired rotary drier. The unit is located the Stewart-Nuss asphalt plant located at the end of Ingram Avenue in Pinedale, Ca. The unit was operating at the following loads:

Run #1	252.2 Tons/hr
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SAMPLING AND ANALYTICAL PROCEDURES

STACK GAS ANALYSIS: Samples of the stack gas were taken from the exhaust stack and analyzed for oxygen, carbon dioxide and carbon monoxide. The oxygen was determined with a Teledyne electrochemical cell oxygen analyzer. The carbon dioxide was checked using an ACS (Fuji) non-dispersive infrared analyzer. The carbon monoxide was analyzed with a TECO Model 48H gas filter correlation non-dispersive infrared analyzer. Readings were obtained continuously during each run and then averaged together to obtain the stack gas composition.

STACK GAS VELOCITY: The stack gas velocity was determined using an "S" type pitot tube connected to an inclined draft gauge or a magnehelic gauge.

The stack temperature was determined using a thermocouple and an indicating pyrometer. The proportion of water was determined gravimetrically and the dry molecular weight of the stack gas determined by E.P.A. Method 3, equation 3-2. Stack velocities were calculated using E.P.A. Method 2, equation 2-9; gas volumetric flow rate was determined by equation 2-10.

TOTAL PARTICULATE EMISSIONS: Particulates were collected using a Lace Model 31 stack sampler system that conforms to E.P.A. requirements for particulate sampling. The system consists of a heated probe, heated filter, and cooled impingers (see E.P.A. Method 5). A total of 24 sample points were taken (8 points per port). After the weight of the particulates on the filter and in the probe is determined, the total dissolved solids in the the impingers is added to the particulate weight in order to comply with Fresno County APCD regulations. Blanks for the DI water and acetone were analyzed and substracted from the total particulate weight.

PM-10 PARTICULATE EMISSIONS: PM-10 particulates were collected isokinetically from the stack at the same time that the total particulate sampling was undertaken. The sampling was done by using a GII cascade impactor system. The impactor consisted of a nozzle, two (2) stages with slotted filters, a final stage containing a backup filter and cooled impingers containing DI water. The nozzle and the two (2) stages respresents the +10μ fraction. The final stage and the impingers represent the -10μ fraction.

OXIDES OF NITROGEN: Continuous sampling was done through a refrigerated water drop-out on the stack and transported through a teflon line to the analyzer. The sample was taken and analyzed according to CARB Method 100. The gas sample was analyzed with a TECO Model 10 chemiluminescence NOx analyzer. Two (2) 60 minute samples were taken with data continuously recorded on a strip chart recorder. A system check was performed on the sampling train to assure a leak free sample.

OXIDES OF SULFUR: CARB Method 100 was utilized to determine sulfur dioxide concentration. The sulfur dioxide was analyzed by using a Western Research Model 721AT UV Sulfur Dioxide analyzer.

NON-METHANE HYDROCARBONS: Three (3) grab samples, one (1) bag per particulate run, were taken in inert Tedlar bags for non-methane hydrocarbon analysis. The samples were taken according to CARB Method 18. A Tedlar bag was placed in a vacuum chamber and the chamber attached to the sample line. A vacuum is applied to the chamber which allows the stack gas to enter the bag. The bag is then evacuated and refilled to assure that the sample line is completely purged with the stack gas. The bags were labeled, placed in a dark plastic bag and returned to the laboratyory for analysis. The samples were analyzed for hydrocarbon content by gas chromatography utilizing a flame ionization detection system.

LEAK CHECKS: Leak rates were conducted on the sampling train and the pitot tubes before and after each test. The leak check for the sampling train was done at the nozzle. Any leak rate greater than 0.02 cfm was corrected for in the volume calculations.

All calculations for lb/hr were done by using the flow rate of the stack gas. All values were calculated by using Fresno County APCD standard conditions (60°F & 29.92 in Hg).

If you have any questions concerning this test or if we can be of further assistance, please contact the undersigned at (805) 644-1095.

Respectfully submitted,

BTC Environmental, INC.

Tom Porter
Vice President - Air Test Division

Copies: 3 Condor Technologies

EMISSION SUMMARY

CONSTITUENT	RUN #1	RUN #2	Run #3	AVERAGE	# / 1000 T
Total Particulate					
gr/DSCF	0.0645	0.0565	0.0641	*0.0617*	
lb/hr	16.78	13.93	16.40	*15.70*	68.15
PM 10 Particulate					
+10μ - %	58.42	45.59	63.28	*55.76*	
+10μ - lb/hr	9.80	6.35	10.38	*8.84*	36.68
-10μ - %	41.58	54.41	36.72	*44.24*	
-10μ - lb/hr	6.98	7.58	6.02	*6.86*	28.47
Sulfur Dioxide					
ppmv	31.8	32.8		*32.3*	
lbs/hr	9.54	9.84		*9.69*	42.21
Oxides of Nitrogen					
ppmv	55.0	57.0		*56.0*	
lb/hr	11.86	12.30		*12.08*	50.12
Carbon Monoxide					
ppmv	1123	1417		*1270*	
lbs/hr	147.45	186.05		*166.75*	691.91
Non-methane Hydrocarbons					
ppmv	2.0	0.9	<0.5	*1.1*	
lb/hr	0.79	0.35	<0.13	*0.42*	1.74

CMI

Calaveras Materials Inc.
3451 West Shaw Ave.
Fresno, CA 93711-3204
Telephone: 209-277-7060
Facsimile: 209-277-7134

July 28, 1998

Mr. Jovencio N. Refuerzo
San Joaquin Valley Unified Air Pollution Control District
1999 Tuolumne Street, Suite 200
Fresno, California 93721

Re: Transmittal of Emission Reduction Credit Calculations
Application for Emission Reduction Credit
Facility ID 2006; Permits C-2006-1-0 and C-2006-2-0
Calaveras Materials Inc.
Former Asphalt Batch Plant
1000 West Nees Avenue (at Ingram Avenue on the San Joaquin River)
Fresno, California

Dear Mr. Refuerzo:

Enclosed is a report of Emissions Reduction Credit (ERC) Calculations prepared by our consultant Giroux & Associates to supplement the Application for ERCs that was submitted in May 1998, and the subsequent information submitted in June 1998. We understand that you will calculate the ERCs independently, however, the information contained in the enclosed report may be used to assist you in completing the application (section 7).

If you have any questions, please call me at your earliest convenience at (209) 277-7060.

Sincerely,
CALAVERAS MATERIALS INC.

Burton E. Gilpin
Services Manager

enclosure

0728APCD.DOC

APCD COPY

Giroux & Associates
Environmental Consultants

July 8, 1998

Calaveras Materials, Inc.
Attn: Burton E. Gilpin; Svcs. Mgr.
3451 West Shaw Avenue
Fresno, California 93711-3204

Re: Emissions Reduction Credit Calculations for the Pinedale Asphalt Plant Shutdown

Dear Burt:

As per your request, we have calculated the emissions reductions associated with shutdown of the asphalt dryer and hot oil heater at the above facility. We utilized production/fuel combustion data that you provided for this facility (SJVUAPCD Facility ID = 2006) combined with source test (asphalt dryer) and oil combustion (oil heater) emissions data to calculate emissions. Emissions were calculated on an annual basis for the last five years, and as an annual average for the last two full years of operations, appropriate to the ERC calculation protocols.

Production and fuel combustion data for the last five years and for the last two full years are shown as Exhibits 1 and 2 in the attached appendix. The production level and heater fuel combustion used as a basis for the emissions reduction credit (ERC) calculations was as follows:

Asphalt Production	267,179 tons/year
Oil Heater (#2 Diesel)	16,457 gals/year

Asphalt dryer emissions were evaluated in a source test conducted by BTC Environmental on March 26, 1991. Portions of the source test report are shown as Exhibits 3 and 4 in the Appendix. Three (3) runs were made with an average production rate of 241.1 tons/ hour during the source test.

17744 Sky Park Circle, Suite 210, Irvine, California 92614 - Phone (949) 851-8609 - Fax (949) 851-8612

Asphalt dryer emissions were calculated by combining source test emissions shown in Exhibits 5 and 6 in the Appendix with the production data summarized in Table 1. An emission factor for each pollutant per 1000 tons of production was combined with annual production data to generate the emissions calculations in Table 2. Annual reductions for the principal exhaust pollutants range from 3.8 tons per year for respirable particulate matter (PM-10) to 92.4 tons per year for carbon monoxide (CO). Oil heater emissions are much lower because much less fuel is used, the fuel is considerably "cleaner," and combustion occurs at lower temperatures with better fuel/air mixture control.

In the absence of any source test data for the heater, the "default" values from EPA's "Compilation of Air Pollutant Emission Factors" (AP-42), included as Exhibit 7 in the Appendix, was used to calculate this source component. Oil heater emissions are summarized in Table 3.

Asphalt production entails aggregate handling operations. A loader transfers aggregate from the storage piles to a feeder/conveyor which releases small amounts of dust. Aggregate handling emissions and loader operations are considered a part of the plant "permit unit." The loader burns diesel fuel. For purposes of emissions calculations, daily fuel consumption of one gallon per day was considered attributable to asphalt production.

Aggregate handling emissions are difficult to quantify. For batching operations, the SCAQMD has developed an emission factor of 0.005 lb of PM-10 per cubic yard of material handled (Gary Turner, SCAQMD Mechanical Operations Unit, 1990). At 3,000 pounds of aggregate per cubic yard, the particulate emissions for batching would equate to 0.0033 pound per ton. Annual average production of 267,179 tons translates into 882 pounds of PM-10 per year from aggregate handling.

Emissions from 300 gallons of diesel fuel combustion per year in the loader were calculated using EPA AP-42 factors shown in Exhibit 8 of the Appendix. Compared to other emissions sources, loader fuel use emissions are relatively minor. The annual pollution contribution from this activity is as follows:

CO	-	30 pounds
NO_x	-	96 pounds
SO_x	-	9 pounds
PM-10	-	9 pounds

Table 4 summarizes the net annual emissions available for shut-down credit. The dryer exhaust was clearly the dominant contributor to the annual pollutant burden.

We hope that this calculational detail is of use to SJVUAPCD staff in processing your ERC application. Please call me with any questions or need for further clarification.

Sincerely,

Hans D. Giroux

Hans D. Giroux
Senior Scientist
Giroux & Associates

HDG:ai

Attachments - Tables 1 - 4 and Appendix

TABLE 1

ANNUAL ASPHALT PRODUCTION AND OIL HEATER FUEL USE

Year	Production	Diesel Fuel
1993	244,178 T	17,553 gals
1994	235,599 T	16,809 gals
1995	279,981 T	20,073 gals
1996	251,663 T	14,408 gals
1997	175,216 T	13,830 gals
5-Year Total	1,186,637 T	82,673 gals
Annual Average	237,327 T	16,535 gals.

TABLE 2

ERC CALCULATIONS - ASPHALT DRYER

Dryer: (burner using process oil)

	POLLUTANT (pounds/year)					
Year	TSP	PM-10	SOx	NOx	CO	NMHC
1993	15,908.	6,592.	10,307.	12,238.	166,949.	425.
1994	15,349.	6,708.	9,945.	11,808.	163,013.	410.
1995	18,241.	7,971.	11,818.	14,033.	193,722.	487.
1996	16,396.	7,165.	10,623.	12,613.	174,128.	438.
1997	11,415.	4,988.	7,396.	8,782.	121,234.	305.
2-Year Average (267,179 tons/year):						
1995-97	17,407.	7,607.	11,278.	13,391.	184,864.	465.

TABLE 3

OIL HEATER AIR EMISSIONS

Oil Heater: (using distillate No. 2)

	Pollutant (pounds/year)			
Year	PM-10	SOx	NOx	CO
1993	35.	1246.	351.	88.
1994	34.	1193.	336.	84.
1995	40.	1425.	401.	100.
1996	29.	1023.	288.	72.
1997	28.	982.	277.	69.
2-Year Avg. (16,457 gals/year):				
1995-97	33.	1168.	329.	82.

TABLE 4

TOTAL SHUTDOWN EMISSIONS REDUCTIONS
(pounds/year)

Combustion Emissions	PM-10	SOx	NOx	CO
Dryer	7,607.	11,278.	13,391.	184,864.
Heater	33.	1,168.	329.	82.
Combustion Total	7,640.	12,446.	13,720.	184,946.
Aggregate Handling	882.	----	----	----
Rubber-tired Loader	9.	9.	96.	30.
TOTAL	8,531.	12,455.	13,816.	184,976.

APPENDIX

1. Quarterly Asphalt Production and Oil Heater Fuel Use
2. 2-year Quarterly Averages (1995-97)
3. BTC Source Test Report - Introduction
4. BTC Source Test Report - Results
5. Asphalt Dryer Emissions Summary
6. Source Test Result Detail
7. AP-42, Table 1.3-2, Distillate Oil Combustion
8. AP-42, Table II-7.1, Heavy Duty Construction Equipment

	1993				
		Fuel Consumption			
	Asphalt Produced (Tons)	Heater-Diesel (Gal)	Burner-PO50 (Gal)	Total Fuel (Gal)	Rate (Gal/Ton)
1st Quarter	22,239	4,811	*44,256*	49,067	2.21
2nd Quarter	76,952	5,191	*110,041*	115,232	1.50
3rd Quarter	87,939	3,563	*128,391*	131,954	1.50
4th Quarter	57,048	3,988	*82,149*	86,137	1.51
Total	**244,178**	**17,553**	**364,837**	**382,390**	**1.57**
	1994				
		Fuel Consumption			
	Asphalt Produced (Tons)	Heater-Diesel (Gal)	Burner-PO50 (Gal)	Total Fuel (Gal)	Rate (Gal/Ton)
1st Quarter	26,756	4,913	*53,244*	58,157	2.17
2nd Quarter	67,312	5,615	*96,256*	101,871	1.51
3rd Quarter	92,187	2,000	*134,593*	136,593	1.48
4th Quarter	49,344	4,281	*71,055*	75,336	1.53
Total	**235,599**	**16,809**	**355,149**	**371,958**	**1.58**
	1995				
		Fuel Consumption			
	Asphalt Produced (Tons)	Heater-Diesel (Gal)	Burner-PO50 (Gal)	Total Fuel (Gal)	Rate (Gal/Ton)
1st Quarter	25,701	4,601	*51,145*	55,746	2.17
2nd Quarter	77,912	5,845	*111,414*	117,259	1.51
3rd Quarter	79,120	4,489	119,495	123,984	1.57
4th Quarter	97,248	5,138	134,460	139,598	1.44
Total	**279,981**	**20,073**	**416,514**	**436,587**	**1.56**
	1996				
		Fuel Consumption			
	Asphalt Produced (Tons)	Heater-Diesel (Gal)	Burner-PO50 (Gal)	Total Fuel (Gal)	Rate (Gal/Ton)
1st Quarter	30,941	4,123	58,416	62,539	2.02
2nd Quarter	70,923	3,502	101,663	105,165	1.48
3rd Quarter	97,617	1,975	136,841	138,816	1.42
4th Quarter	52,182	4,808	78,163	82,971	1.59
Total	**251,663**	**14,408**	**375,083**	**389,491**	**1.55**
	1997				
		Fuel Consumption			
	Asphalt Produced (Tons)	Heater-Diesel (Gal)	Burner-PO50 (Gal)	Total Fuel (Gal)	Rate (Gal/Ton)
1st Quarter	33,601	4,962	70,065	75,027	2.23
2nd Quarter	72,725	3,917	*103,997*	107,914	1.48
3rd Quarter	63,333	3,951	*92,466*	96,417	1.52
4th Quarter	5,557	1,000	*8,002*	9,002	1.62
Total	**175,216**	**13,830**	**274,530**	**288,360**	**1.65**

	2-YEAR QUARTERLY AVERAGES					
Based on 3rd Quarter 1995 through 2nd Quarter 1997						
	Asphalt Production (Tons)	**Heater-Diesel (Gal)**	**Burner-PO50 (Gal)**	**Total Fuel (Gal)**	**Rate of Fuel Use (Gal/Ton)**	
1st Quarter	32,271	4,543	64,241	68,783	2.13	
2nd Quarter	71,824	3,710	102,830	106,539	1.48	
3rd Quarter	88,369	3,232	128,168	131,400	1.49	
4th Quarter	74,715	4,973	106,312	111,285	1.49	
Total Annual	**267,179**	**16,457**	**401,550**	**418,007**	**1.56**	
Notes:	Diesel used to fuel the hot-oil heater					
	Process Oil (PO50) used to fuel the burner					
	Estimated PO50 use (italics) calculated for each quarter by multiplying asphalt-					
	production tonnage by factors determined by comparing actual PO50 use to					
	actual production tonnage, averaged quarterly over two years (Q3/95-Q2/97).					
	Multipliers or factors are as follows: Q1=1.99; Q2=1.43; Q3=1.46; Q4=1.44					
	(expressed as gallons/Ton).					
	Example:					
	Estimated PO50 Use for Q2/1997 = 1.43 gal/T X 72,725 T = 103,997 gal.					

INTRODUCTION

On March 26, 1991, BTC Environmental performed source emisslons tests for particulate matter, oxides of nitrogen, carbon monoxide, sulfur dioxides, and non-methane hydrocarbons on a baghouse connected to a fuel oil fired rotary drier. The unit is located the Stewart-Nuss asphalt plant located at the end of Ingram Avenue in Pinedale, Ca. The unit was operating at the following loads:

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Respectfully submitted,

BTC Environmental, INC.

Tom Porter
Vice President - Air Test Division

Copies: 3 Condor Technologies

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+10μ - %	58.42	45.59	63.28	*55.76*	
+10μ - lb/hr	9.80	6.35	10.38	*8.84*	36.68
-10μ - %	41.58	54.41	36.72	*44.24*	
-10μ - lb/hr	6.98	7.58	6.02	*6.86*	28.47
Sulfur Dioxide					
ppmv	31.8	32.8		*32.3*	
lbs/hr	9.54	9.84		*9.69*	42.21
Oxides of Nitrogen					
ppmv	55.0	57.0		*56.0*	
lb/hr	11.86	12.30		*12.08*	50.12
Carbon Monoxide					
ppmv	1123	1417		*1270*	
lbs/hr	147.45	186.05		*166.75*	691.91
Non-methane Hydrocarbons					
ppmv	2.0	0.9	<0.5	*1.1*	
lb/hr	0.79	0.35	<0.13	*0.42*	1.74

SUMMARY OF SOURCE TEST RESULTS

Company: Stewart-Nuss/Condor
Test Date: 4/18/91

APCD #: -
Unit #: Baghouse

EMISSIONS

	gr/dscf	gr/scf @ 12% CO2	PPMv	PPMv @ 3% O2	lb/hr	lb/MMBTU	%
Total Particulate	0.0645				16.78		
	0.0565				13.93		
	0.0641				16.40		
Mean:	**0.0617**				**15.70**		
+10 µ Particulate					9.80		58.42
					6.35		45.59
					10.38		63.28
Mean:					**8.84**		**55.76**
-10 µ Particulate					6.98		41.58
					7.58		54.41
					6.02		36.72
					6.86		**44.24**
SO2			31.8		9.54		
			32.8		9.84		
Mean:			**32.3**		**9.69**		
NOx as NO2			55		11.86		
			57		12.30		
Mean:			**56**		**12.08**		
Non-Methane Hydrocarbons			2.0		0.79		
			0.9		0.35		
			<0.5		<0.13		
Mean:			**1.1**		**0.42**		
CO			1123		147.45		
			1417		186.05		
Mean:			**1270**		**166.75**		

Scrubber Liquor Analysis:
Chlorides - NA mg/L Specific Gravity - NA@ °F

Comments:

Table 1.3-2 (English Units). CRITERIA POLLUTANT EMISSION FACTORS FOR UNCONTROLLED FUEL OIL COMBUSTION

Firing Configuration (SCC)[a]	SO_2[b]		SO_3[c]		NO_x[d]		CO[e,f]		Filterable PM[g]	
	lb/10^3 gal	EMISSION FACTOR RATING	lb/10^3 gal	EMISSION FACTOR RATING	lb/10^3 gal	EMISSION FACTOR RATING	lb/10^3 gal	EMISSION FACTOR RATING	lb/10^3 gal	EMISSION FACTOR RATING
Utility boilers										
No. 6 oil fired, normal firing (1-01-004-01)	157S	A	5.7S	C	67	A	5	A	—[h]	A
No. 6 oil fired, tangential firing (1-01-004-04)	157S	A	5.7S	C	42	A	5	A	—[h]	A
No. 5 oil fired, normal firing (1-01-004-05)	157S	A	5.7S	C	67	A	5	A	—[h]	B
No. 5 oil fired, tangential firing (1-01-004-06)	157S	A	5.7S	C	42	A	5	A	—[h]	B
No. 4 oil fired, normal firing (1-01-005-04)	150S	A	5.7S	C	67	A	5	A	—[h]	B
No. 4 oil fired, tangential firing (1-01-005-05)	150S	A	5.7S	C	42	A	5	A	—[h]	B
Industrial boilers										
No. 6 oil fired (1-02-004-01/02/03)	157S	A	2S	A	55	A	5	A	—[h]	A
No. 5 oil fired (1-02-004-04)	157S	A	2S	A	55	A	5	A	—[h]	B
Distillate oil fired (1-02-005-01/02/03)	142S	A	2S	A	20	A	5	A	—[h]	A
No. 4 oil fired (1-02-005-04)	150S	A	2S	A	20	A	5	A	—[h]	B
Commercial/institutional/residential combustors										
No. 6 oil fired (1-03-004-01/02/03)	157S	A	2S	A	55	A	5	A	—[h]	A
No. 5 oil fired (1-03-004-04)	157S	A	2S	A	55	A	5	A	—[h]	B
Distillate oil fired (1-03-005-01/02/03)	142S	A	2S	A	20	A	5	A	2[h]	A
No. 4 oil fired (1-03-005-04)	150S	A	2S	A	20	A	5	A	—[h]	B
Residential furnace (No SCC)	142S	A	2S	A	18	A	5	A	3	A

Table II-7.1 (cont'd) Emission Factors for Heavy-Duty Diesel-Powered Construction Equipment[a]
Emission Factor Rating: C

Pollutant	Wheeled loader	Tracktype loader	Off-Highway truck[b]	Roller	Miscellaneous
CARBON MONOXIDE					
g/hr	259.58	91.15	816.81	137.97	306.37
lb/hr	0.572	0.201	1.794	0.304	0.675
g/kWh	3.63	3.03	4.70	8.08	6.16
g/hphr	2.71	2.26	2.28	6.03	4.60
kg/10^3 liter	11.79	9.93	14.73	22.64	18.41
lb/10^3 gal	98.66	82.85	123.46	188.37	153.51
EXHAUST HYDROCARBONS					
g/hr	113.17	44.55	86.84	30.58	69.35
lb/hr	0.25	0.098	0.192	0.067	0.152
g/kWh	1.59	1.49	0.50	1.30	1.35
g/hphr	0.97	1.11	0.37	0.97	1.01
kg/10^3 liter	5.17	4.85	1.58	3.60	4.04
lb/10^3 gal	43.16	40.55	13.16	30.09	33.70
NITROGEN OXIDES (NO_x as NO_2)					
g/hr	858.19	375.22	1889.16	392.90	767.30
lb/hr	1.89	0.827	4.166	0.862	1.691
g/kWh	11.81	12.46	10.92	17.49	14.75
g/hphr	8.81	9.30	8.15	13.05	11.01
kg/10^3 liter	38.5	40.78	34.29	48.49	44.10
lb/10^3 gal	321.23	339.82	286.10	404.51	368.01
ALDEHYDES (RCHO as HCHO)					
g/hr	18.8	4.00	51.0	7.43	13.9
lb/hr	0.041	0.009	0.112	0.016	0.031
g/kWh	0.264	0.134	0.295	0.263	0.272
g/hphr	0.197	0.100	0.220	0.196	0.203
kg/10^3 liter	0.859	0.439	0.928	0.731	0.813
lb/10^3 gal	7.17	3.66	7.74	6.10	6.78
SULFUR OXIDES (SO_x as SO_2)					
g/hr	82.5	34.4	206.	30.5	64.7
lb/hr	0.182	0.076	0.454	0.067	0.143
g/kWh	1.15	1.14	1.19	1.34	1.25
g/hphr	0.857	0.853	0.887	1.00	0.932
kg/10^3 liter	3.74	3.74	3.74	3.73	3.73
lb/10^3 gal	31.2	31.2	31.2	31.1	31.1
PARTICULATE					
g/hr	77.9	26.4	116.	22.7	63.2
lb/hr	0.172	0.058	0.256	0.050	0.139
g/kWh	1.08	0.878	0.673	1.04	1.21
g/hphr	0.805	0.655	0.502	0.778	0.902
kg/10^3 liter	3.51	2.88	2.12	2.90	3.61
lb/10^3 gal	29.3	24.0	17.7	24.2	30.1

[a] References 3 and 4 for the HC/CO/NO_x emissions and references 1 and 2 for other emissions.

[b] The off-highway truck category incudes HC/CO/NO_x emissions from the wheeled dozer.

Calaveras Materials Inc.
3451 West Shaw Ave.
Fresno, CA 93711-3204
Telephone: 209-277-7060
Facsimile: 209-277-7134

PRIVILEGED & CONFIDENTIAL

Hand Delivered

June 23, 1998

Mr. Jovencio N. Refuerzo
San Joaquin Valley Unified Air Pollution Control District
1999 Tuolumne Street, Suite 200
Fresno, California 93721

Re: Application for Emission Reduction Credit
Facility ID 2006; Permits C-2006-1-0 and C-2006-2-0
Calaveras Materials Inc.
Former Asphalt Batch Plant
1000 West Nees Avenue (at Ingram Avenue on the San Joaquin River)
Fresno, California

Dear Mr. Refuerzo:

Attached are data to supplement the Application for Emission Reduction Credit (ERC) that was submitted in May 1998. Based on the attached information, we understand that you will complete section 7 of the application.

We request that you consider the attached information confidential and for your use in determining emissions credits only. If you have any immediate questions or concerns, please call me at your earliest convenience at (209) 277-7060.

Sincerely,
Calaveras Materials Inc.

Burton E. Gilpin
Services Manager

enclosures

cc (without enclosures): D. Taylor, CMI
B. Bleakney, CMI
D. Toews, CMI

0623APCD.DOC

5-YEAR CUMULATIVE TOTALS

	Asphalt Produced (Tons)	Fuel Consumption			
		Diesel	Estimated PO50/MDO	Total Fuel	Rate (Gal/Ton)
1st Quarter *	113,537	18,809	496,163	514,972	4.54
2nd Quarter	365,824	24,070	634,943	659,013	1.80
3rd Quarter	420,196	15,978	421,484	437,462	1.04
4th Quarter	261,379	19,215	506,872	526,087	2.01
Total	**1,160,936**	**78,072**	**2,059,461**	**2,137,533**	**1.84**

5-YEAR QUARTERLY & ANNUAL AVERAGES

	Asphalt Production (Tons)	**Fuel Consumption**			
		Diesel (Gal)	**PO50/MDO (Gal)**	**Total Fuel (Gal)**	**Rate of Fuel Consumption (Gal/Ton)**
1st Quarter *	28,384	3,762	99,233	102,994	3.63
2nd Quarter	73,165	7,614	126,989	134,602	1.84
3rd Quarter	84,039	6,971	84,297	91,268	1.09
4th Quarter	52,276	6,326	101,374	107,700	2.06
Total Annual	**237,864**	**24,673**	**411,892**	**436,565**	**1.84**

Notes:
* Based on four years (1st quarter 1995 incomplete)
MDO = Marine Diesel Oil
PO50 and MDO fuel use estimated on the basis of actual use for the period July 1 through December 31, 1995, relative to diesel use.

	1993				
		Fuel Consumption (Gallons)			
	Asphalt Produced (Tons)	Diesel	Estimated PO50/MDO	Total Fuel	Rate (Gal/Ton)
1st Quarter	22,239	4,811	126,909	131,720	5.92
2nd Quarter	76,952	5,191	136,933	142,124	1.85
3rd Quarter	87,939	3,563	93,988	97,551	1.11
4th Quarter	57,048	3,988	105,199	109,187	1.91
Total	**244,178**	**17,553**	**463,031**	**480,584**	**1.97**
	1994				
		Fuel Consumption (Gallons)			
	Asphalt Produced (Tons)	Diesel	Estimated PO50/MDO	Total Fuel	Rate (Gal/Ton)
1st Quarter	26,756	4,913	129,600	134,513	5.03
2nd Quarter	67,312	5,615	148,118	153,733	2.28
3rd Quarter	92,187	2,000	52,758	54,758	0.59
4th Quarter	49,344	4,281	112,928	117,209	2.38
Total	**235,599**	**16,809**	**443,405**	**460,214**	**1.95**
	1995				
		Fuel Consumption (Gallons)			
	Asphalt Produced (Tons)	Diesel	Estimated PO50/MDO	Total Fuel	Rate (Gal/Ton)
1st Quarter					
2nd Quarter	77,912	5,845	154,185	160,030	2.05
3rd Quarter	79,120	4,489	118,415	122,904	1.55
4th Quarter	97,248	5,138	135,535	140,673	1.45
Total	**254,280**	**15,472**	**408,136**	**423,608**	**1.67**
	1996				
		Fuel Consumption (Gallons)			
	Asphalt Produced (Tons)	Diesel	Estimated PO50/MDO	Total Fuel	Rate (Gal/Ton)
1st Quarter	30,941	4,123	108,761	112,884	3.65
2nd Quarter	70,923	3,502	92,379	95,881	1.35
3rd Quarter	97,617	1,975	52,099	54,074	0.55
4th Quarter	52,182	4,808	126,830	131,638	2.52
Total	**251,663**	**14,408**	**380,069**	**394,477**	**1.57**
	1997				
		Fuel Consumption (Gallons)			
	Asphalt Produced (Tons)	Diesel	Estimated PO50/MDO	Total Fuel	Rate (Gal/Ton)
1st Quarter	33,601	4,962	130,893	135,855	4.04
2nd Quarter	72,725	3,917	103,327	107,244	1.47
3rd Quarter	63,333	3,951	104,223	108,174	1.71
4th Quarter	5,557	1,000	26,379	27,379	4.93
Total	**175,216**	**13,830**	**364,822**	**378,652**	**2.16**

STATE OF CALIFORNIA
ATTN: ANTOINETTE SIMMONS
FROM: KATHY BARRIER, STEWART & NUSS

PO50

JULY, 1995

USAGE	PURCHASES		
25	166	BEG. INV.	80
28	166	PURCHASES	664
27	166	USED	554
47	166	ENDING INV.	190
20			
47			
22	664		
24			
39			
12			
12			
42			
26			
23			
35			
33			
23			
32			
26			
11			

554 BBLS.

PINEDALE PLANT
DAILY ASPHALT PLANT REPORT

DATE 7/27/95

	TONS SOLD	TONS PRODUCED	MIX
1.	53		SC 800 M
2.			AR4/8 SHEET MAT'L
3.	193	193	3/8 AR4/8
4.	551	551	1/2 AR4/8
5.	7	7	3/4 AR4/8
6.			
7.			

RECAP OF MATERIALS SOLD AND PRODUCED

SALES	
Previous this month	12474
Sales this date	804
Total sales to date	13278

PRODUCTION	
Previous this month	12525
Prod. this date	751
Total prod. to date	13276

ASPHALT OIL INVENTORY

	TODAY	MO./DATE
TANK #1		
A.M. Stab	28	
Received		
Used	4	147
P.M. Stab	24	
TANK #2		
A.M. Stab	27	
Received	53	
Used	44	609
P.M. Stab	36	
HIWAY HEATER DIESEL TANK		
On hand	2560	
Gals. Rec'd		
Used	22	1237
In tank	2538	

	TODAY	MO./DATE
TANK #3		
A.M. Stab	3	
Received		
Used		
P.M. Stab	3	
TANK #4		
A.M. Stab	29	
Received		
Used		41
P.M. Stab	29	
BURNER FUEL		
On hand	93	
Bbl's Rec'd		
Used	32	517
In tank	61	

PINEDALE PLANT
DAILY ASPHALT PLANT REPORT

DATE 7/26/95

	TONS SOLD	TONS PRODUCED	MIX
1.	10		SC 800 M
2.	9	9	AR4/8 SHEET MAT'L
3.	88	88	3/8 AR4/8
4.	470	470	1/2 AR4/8
5.			3/4 AR4/8
6.			
7.			

RECAP OF MATERIALS SOLD AND PRODUCED

SALES	
Previous this month	11897
Sales this date	577
Total sales to date	12474

PRODUCTION	
Previous this month	11958
Prod. this date	567
Total prod. to date	12525

ASPHALT OIL INVENTORY

	TODAY	MO./DATE
TANK #1		
A.M. Stab	28	
Received		
Used		143
P.M. Stab	28	
TANK #2		
A.M. Stab	11	
Received	53	
Used	37	565
P.M. Stab	27	

	TODAY	MO./DATE
TANK #3		
A.M. Stab	3	
Received		
Used		
P.M. Stab	3	
TANK #4		
A.M. Stab	29	
Received		
Used		41
P.M. Stab	29	

HIWAY HEATER DIESEL TANK		
On hand	2589	
Gals. Rec'd		
Used	29	1215
In tank	2560	

BURNER FUEL		
On hand	116	
Bbl's Rec'd		
Used	23	485
In tank	93	

PINEDALE PLANT
DAILY ASPHALT PLANT REPORT

DATE 7/25/95

	TONS SOLD	TONS PRODUCED	MIX
1.	67		SC 800 M
2.	1	1	AR4/8 SHEET MAT'L
3.	225	225	3/8 AR4/8
4.	605	605	1/2 AR4/8
5.			3/4 AR4/8
6.			
7.			

RECAP OF MATERIALS SOLD AND PRODUCED

SALES	
Previous this month	10999
Sales this date	898
Total sales to date	11897

PRODUCTION	
Previous this month	11127
Prod. this date	831
Total prod. to date	11958

ASPHALT OIL INVENTORY

	TODAY	MO./DATE
TANK #1		
A.M. Stab	28	
Received		
Used		143
P.M. Stab	28	
TANK #2		
A.M. Stab	40	
Received	26	
Used	55	528
P.M. Stab	11	
HIWAY HEATER DIESEL TANK		
On hand	2599	
Gals. Rec'd		
Used	10	1186
In tank	2589	

	TODAY	MO./DATE
TANK #3		
A.M. Stab	3	
Received		
Used		
P.M. Stab	3	
TANK #4		
A.M. Stab	3	
Received	26	
Used		41
P.M. Stab	29	
BURNER FUEL		
On hand	149	
Bbl's Rec'd		
Used	33	462
In tank	116	

PINEDALE PLANT
DAILY ASPHALT PLANT REPORT

DATE 7/24/95

	TONS SOLD	TONS PRODUCED	MIX
1.	5	185	SC 800 M
2.	15	15	AR4/8 SHEET MAT'L
3.	210	210	3/8 AR4/8
4.	366	366	1/2 AR4/8
5.	12	12	3/4 AR4/8
6.			
7.			

RECAP OF MATERIALS SOLD AND PRODUCED

SALES	
Previous this month	10391
Sales this date	608
Total sales to date	10999

PRODUCTION	
Previous this month	10339
Prod. this date	788
Total prod. to date	11127

ASPHALT OIL INVENTORY

	TODAY	MO./DATE
TANK #1		
A.M. Stab	36	
Received	9	
Used	17	143
P.M. Stab	28	
TANK #2		
A.M. Stab	19	
Received	39	
Used	18	473
P.M. Stab	40	
HIWAY HEATER DIESEL TANK		
On hand	2727	
Gals. Rec'd		
Used	128	1176
In tank	2599	

	TODAY	MO./DATE
TANK #3		
A.M. Stab	3	
Received		
Used		
P.M. Stab	3	
TANK #4		
A.M. Stab	12	
Received		
Used	9	41
P.M. Stab	3	
BURNER FUEL		
On hand	184	
Bbl's Rec'd		
Used	35	429
In tank	149	

PINEDALE PLANT
DAILY ASPHALT PLANT REPORT

DATE 7/21/95

	TONS SOLD	TONS PRODUCED	MIX
1.	37		SC 800 M
2.	15	15	AR4/8 SHEET MAT'L
3.	199	199	3/8 AR4/8
4.	312	312	1/2 AR4/8
5.			3/4 AR4/8
6.			
7.			

RECAP OF MATERIALS SOLD AND PRODUCED

SALES	
Previous this month	9828
Sales this date	563
Total sales to date	10391

PRODUCTION	
Previous this month	9813
Prod. this date	526
Total prod. to date	10339

ASPHALT OIL INVENTORY

	TODAY	MO./DATE
TANK #1		
A.M. Stab	42	
Received		
Used	6	126
P.M. Stab	36	
TANK #2		
A.M. Stab	22	
Received	26	
Used	29	455
P.M. Stab	19	
HIWAY HEATER DIESEL TANK		
On hand	2785	
Gals. Rec'd		
Used	58	1048
In tank	2727	

	TODAY	MO./DATE
TANK #3		
A.M. Stab	3	
Received		
Used		
P.M. Stab	3	
TANK #4		
A.M. Stab	12	
Received		
Used		32
P.M. Stab	12	
BURNER FUEL		
On hand	207	
Bbl's Rec'd		
Used	23	394
In tank	184	

PINEDALE PLANT
DAILY ASPHALT PLANT REPORT

DATE 7/20/95

	TONS SOLD	TONS PRODUCED	MIX
1.	44		SC 800 M
2.	25	25	AR4/8 SHEET MAT'L
3.	253	253	3/8 AR4/8
4.	397	397	1/2 AR4/8
5.	38	38	3/4 AR4/8
6.			
7.			

RECAP OF MATERIALS SOLD AND PRODUCED

SALES	
Previous this month	9071
Sales this date	757
Total sales to date	9828

PRODUCTION	
Previous this month	9100
Prod. this date	713
Total prod. to date	9813

ASPHALT OIL INVENTORY

	TODAY	MO./DATE
TANK #1		
A.M. Stab	42	
Received		
Used		120
P.M. Stab	42	
TANK #2		
A.M. Stab	7	
Received	53	
Used	38	426
P.M. Stab	22	

	TODAY	MO./DATE
TANK #3		
A.M. Stab	3	
Received		
Used		
P.M. Stab	3	
TANK #4		
A.M. Stab	12	
Received		
Used		32
P.M. Stab	12	

HIWAY HEATER DIESEL TANK		
On hand	2841	
Gals. Rec'd		
Used	56	990
In tank	2785	

BURNER FUEL		
On hand	67	
Bbl's Rec'd	166	
Used	26	371
In tank	207	

PINEDALE PLANT
DAILY ASPHALT PLANT REPORT

DATE 7/19/95

	TONS SOLD	TONS PRODUCED	MIX
1.	70	68	SC 800 M
2.	14	14	AR4/8 SHEET MAT'L
3.	192	192	3/8 AR4/8
4.	838	838	1/2 AR4/8
5.	49	49	3/4 AR4/8
6.			
7.			

RECAP OF MATERIALS SOLD AND PRODUCED

SALES	
Previous this month	7908
Sales this date	1163
Total sales to date	9071

PRODUCTION	
Previous this month	7939
Prod. this date	1161
Total prod. to date	9100

ASPHALT OIL INVENTORY

	TODAY	MO./DATE
TANK #1		
A.M. Stab	42	
Received		
Used		120
P.M. Stab	42	
TANK #2		
A.M. Stab	16	
Received	53	
Used	62	388
P.M. Stab	7	

	TODAY	MO./DATE
TANK #3		
A.M. Stab	3	
Received		
Used		
P.M. Stab	3	
TANK #4		
A.M. Stab	20	
Received		
Used	8	32
P.M. Stab	12	

HIWAY HEATER DIESEL TANK		
On hand	2896	
Gals. Rec'd		
Used	55	934
In tank	2841	

BURNER FUEL		
On hand	109	
Bbl's Rec'd		
Used	42	345
In tank	67	

PINEDALE PLANT
DAILY ASPHALT PLANT REPORT

DATE 7/18/95

	TONS SOLD	TONS PRODUCED	MIX
1.	72		SC 800 M
2.	15	15	AR4/8 SHEET MAT'L
3.	169	169	3/8 AR4/8
4.	146	146	1/2 AR4/8
5.			3/4 AR4/8
6.			
7.			

RECAP OF MATERIALS SOLD AND PRODUCED

SALES	
Previous this month	7506
Sales this date	402
Total sales to date	7908

PRODUCTION	
Previous this month	7609
Prod. this date	330
Total prod. to date	7939

ASPHALT OIL INVENTORY

	TODAY	MO./DATE
TANK #1		
A.M. Stab	42	
Received		
Used		120
P.M. Stab	42	
TANK #2		
A.M. Stab	40	
Received		
Used	24	326
P.M. Stab	16	
HIWAY HEATER DIESEL TANK		
On hand	749	
Gals. Rec'd	2206	
Used	59	879
In tank	2896	

	TODAY	MO./DATE
TANK #3		
A.M. Stab	3	
Received		
Used		
P.M. Stab	3	
TANK #4		
A.M. Stab	20	
Received		
Used		24
P.M. Stab	20	
BURNER FUEL		
On hand	121	
Bbl's Rec'd		
Used	12	303
In tank	109	

PINEDALE PLANT
DAILY ASPHALT PLANT REPORT

DATE 7/17/95

	TONS SOLD	TONS PRODUCED	MIX
1.	35	186	SC 800 M
2.			AR4/8 SHEET MAT'L
3.	6	6	3/8 AR4/8
4.	33	33	1/2 AR4/8
5.			3/4 AR4/8
6.			
7.			

RECAP OF MATERIALS SOLD AND PRODUCED

SALES	
Previous this month	7432
Sales this date	74
Total sales to date	7506

PRODUCTION	
Previous this month	7384
Prod. this date	225
Total prod. to date	7609

ASPHALT OIL INVENTORY

	TODAY	MO./DATE
TANK #1		
A.M. Stab	18	
Received	26	
Used	2	120
P.M. Stab	42	
TANK #2		
A.M. Stab	14	
Received	26	
Used		302
P.M. Stab	40	
HIWAY HEATER DIESEL TANK		
On hand	881	
Gals. Rec'd		
Used	132	820
In tank	749	

	TODAY	MO./DATE
TANK #3		
A.M. Stab	3	
Received		
Used		
P.M. Stab	3	
TANK #4		
A.M. Stab	31	
Received		
Used	11	24
P.M. Stab	20	
BURNER FUEL		
On hand	133	
Bbl's Rec'd		
Used	12	291
In tank	121	

PINEDALE PLANT
DAILY ASPHALT PLANT REPORT

DATE 7/14/95

	TONS SOLD	TONS PRODUCED	MIX
1.	52		SC 800 M
2.	1	1	AR4/8 SHEET MAT'L
3.	251	251	3/8 AR4/8
4.	528	528	1/2 AR4/8
5.	210	210	3/4 AR4/8
6.			
7.			

RECAP OF MATERIALS SOLD AND PRODUCED

SALES	
Previous this month	6390
Sales this date	1042
Total sales to date	7432

PRODUCTION	
Previous this month	6394
Prod. this date	990
Total prod. to date	7384

ASPHALT OIL INVENTORY

	TODAY	MO./DATE
TANK #1		
A.M. Stab	31	
Received		
Used	13	118
P.M. Stab	18	
TANK #2		
A.M. Stab	34	
Received	27	
Used	47	302
P.M. Stab	14	

	TODAY	MO./DATE
TANK #3		
A.M. Stab	3	
Received		
Used		
P.M. Stab	3	
TANK #4		
A.M. Stab	31	
Received		
Used		13
P.M. Stab	31	

HIWAY HEATER DIESEL TANK		
On hand	932	
Gals. Rec'd		
Used	51	688
In tank	881	

BURNER FUEL		
On hand	172	
Bbl's Rec'd		
Used	39	279
In tank	133	

PINEDALE PLANT
DAILY ASPHALT PLANT REPORT

DATE 7/13/95

	TONS SOLD	TONS PRODUCED	MIX
1.	39		SC 800 M
2.			AR4/8 SHEET MAT'L
3.	216	216	3/8 AR4/8
4.	174	174	1/2 AR4/8
5.			3/4 AR4/8
6.			
7.			

RECAP OF MATERIALS SOLD AND PRODUCED

SALES		PRODUCTION	
Previous this month	5961	Previous this month	6004
Sales this date	429	Prod. this date	390
Total sales to date	6390	Total prod. to date	6394

ASPHALT OIL INVENTORY

	TODAY	MO./DATE
TANK #1		
A.M. Stab	16	
Received	26	
Used	11	105
P.M. Stab	31	
TANK #2		
A.M. Stab	20	
Received	26	
Used	12	255
P.M. Stab	34	
HIWAY HEATER DIESEL TANK		
On hand	983	
Gals. Rec'd		
Used	51	637
In tank	932	

	TODAY	MO./DATE
TANK #3		
A.M. Stab	3	
Received		
Used		
P.M. Stab	3	
TANK #4		
A.M. Stab	5	
Received	26	
Used		13
P.M. Stab	31	
BURNER FUEL		
On hand	196	
Bbl's Rec'd		
Used	24	240
In tank	172	

PINEDALE PLANT
DAILY ASPHALT PLANT REPORT

DATE 7/12/95

	TONS SOLD	TONS PRODUCED	MIX
1.	18		SC 800 M
2.			AR4/8 SHEET MAT'L
3.	209	209	3/8 AR4/8
4.	375	375	1/2 AR4/8
5.	249	249	3/4 AR4/8
6.			
7.			

RECAP OF MATERIALS SOLD AND PRODUCED

SALES		PRODUCTION	
Previous this month	5110	Previous this month	5171
Sales this date	851	Prod. this date	833
Total sales to date	5961	Total prod. to date	6004

ASPHALT OIL INVENTORY

	TODAY	MO./DATE		TODAY	MO./DATE
TANK #1			TANK #3		
A.M. Stab	24		A.M. Stab	3	
Received			Received		
Used	8	94	Used		
P.M. Stab	16		P.M. Stab	3	
TANK #2			TANK #4		
A.M. Stab	23		A.M. Stab	5	
Received	27		Received		
Used	30	243	Used		13
P.M. Stab	20		P.M. Stab	5	
HIWAY HEATER DIESEL TANK			BURNER FUEL		
On hand	1046		On hand	52	
Gals. Rec'd			Bbl's Rec'd	166	
Used	63	586	Used	22	216
In tank	983		In tank	196	

PINEDALE PLANT
DAILY ASPHALT PLANT REPORT

DATE 7/11/95

	TONS SOLD	TONS PRODUCED	MIX
1.	29		SC 800 M
2.			AR4/8 SHEET MAT'L
3.	108	108	3/8 AR4/8
4.	164	164	1/2 AR4/8
5.	964	964	3/4 AR4/8
6.			
7.			

RECAP OF MATERIALS SOLD AND PRODUCED

SALES	
Previous this month	3845
Sales this date	1265
Total sales to date	5110

PRODUCTION	
Previous this month	3935
Prod. this date	1236
Total prod. to date	5171

ASPHALT OIL INVENTORY

		TODAY	MO./DATE
TANK #1			
	A.M. Stab	26	
	Received		
	Used	2	86
	P.M. Stab	24	
TANK #2			
	A.M. Stab	16	
	Received	53	
	Used	62	213
	P.M. Stab	7	
TANK #3			
	A.M. Stab	3	
	Received	26	
	Used		
	P.M. Stab	29	
TANK #4			
	A.M. Stab	5	
	Received		
	Used		13
	P.M. Stab	5	
HIWAY HEATER DIESEL TANK			
	On hand	1109	
	Gals. Rec'd		
	Used	63	523
	In tank	1046	
BURNER FUEL			
	On hand	99	
	Bbl's Rec'd		
	Used	47	194
	In tank	52	

PINEDALE PLANT
DAILY ASPHALT PLANT REPORT

DATE 7/10/95

	TONS SOLD	TONS PRODUCED	MIX
1.	6		SC 800 M
2.			AR4/8 SHEET MAT'L
3.	54	54	3/8 AR4/8
4.	317	317	1/2 AR4/8
5.	6	6	3/4 AR4/8
6.			
7.			

RECAP OF MATERIALS SOLD AND PRODUCED

SALES	
Previous this month	3462
Sales this date	383
Total sales to date	3845

PRODUCTION	
Previous this month	3558
Prod. this date	377
Total prod. to date	3935

ASPHALT OIL INVENTORY

		TODAY	MO./DATE
TANK #1			
	A.M. Stab	30	
	Received		
	Used	4	84
	P.M. Stab	26	
TANK #2			
	A.M. Stab	17	
	Received	26	
	Used	27	151
	P.M. Stab	16	
HIWAY HEATER DIESEL TANK			
	On hand	1234	
	Gals. Rec'd		
	Used	125	460
	In tank	1109	

		TODAY	MO./DATE
TANK #3			
	A.M. Stab	3	
	Received		
	Used		
	P.M. Stab	3	
TANK #4			
	A.M. Stab	5	
	Received		
	Used		13
	P.M. Stab	5	
BURNER FUEL			
	On hand	119	
	Bbl's Rec'd		
	Used	20	147
	In tank	99	

PINEDALE PLANT
DAILY ASPHALT PLANT REPORT

DATE 7/7/95

	TONS SOLD	TONS PRODUCED	MIX
1.	26		SC 800 M
2.	8	8	AR4/8 SHEET MAT'L
3.	116	116	3/8 AR4/8
4.	1045	1045	1/2 AR4/8
5.			3/4 AR4/8
6.			
7.			

RECAP OF MATERIALS SOLD AND PRODUCED

SALES	
Previous this month	2267
Sales this date	1195
Total sales to date	3462

PRODUCTION	
Previous this month	2389
Prod. this date	1169
Total prod. to date	3558

ASPHALT OIL INVENTORY

	TODAY	MO./DATE
TANK #1		
A.M. Stab	38	
Received	17	
Used	25	80
P.M. Stab	30	
TANK #2		
A.M. Stab	19	
Received	27	
Used	29	124
P.M. Stab	17	
HIWAY HEATER DIESEL TANK		
On hand	1289	
Gals. Rec'd		
Used	55	335
In tank	1234	

	TODAY	MO./DATE
TANK #3		
A.M. Stab	3	
Received		
Used		
P.M. Stab	3	
TANK #4		
A.M. Stab	5	
Received		
Used		13
P.M. Stab	5	
BURNER FUEL		
On hand	166	
Bbl's Rec'd		
Used	47	127
In tank	119	

PINEDALE PLANT
DAILY ASPHALT PLANT REPORT

DATE 7/6/95

	TONS SOLD	TONS PRODUCED	MIX
1.	11	182	SC 800 M
2.	13	13	AR4/8 SHEET MAT'L
3.	119	119	3/8 AR4/8
4.	237	237	1/2 AR4/8
5.	176	176	3/4 AR4/8
6.			
7.			

RECAP OF MATERIALS SOLD AND PRODUCED

SALES	
Previous this month	1711
Sales this date	556
Total sales to date	2267

PRODUCTION	
Previous this month	1662
Prod. this date	727
Total prod. to date	2389

ASPHALT OIL INVENTORY

TANK #1	TODAY	MO./DATE
A.M. Stab	9	
Received	53	
Used	24	55
P.M. Stab	38	

TANK #3	TODAY	MO./DATE
A.M. Stab	3	
Received		
Used		
P.M. Stab	3	

TANK #2	TODAY	MO./DATE
A.M. Stab	7	
Received	27	
Used	15	95
P.M. Stab	19	

TANK #4	TODAY	MO./DATE
A.M. Stab	18	
Received		
Used	13	13
P.M. Stab	5	

HIWAY HEATER DIESEL TANK		
On hand	1342	
Gals. Rec'd		
Used	53	280
In tank	1289	

BURNER FUEL		
On hand	193	
Bbl's Rec'd		
Used	27	80
In tank	166	

PINEDALE PLANT
DAILY ASPHALT PLANT REPORT

DATE 7/5/95

	TONS SOLD	TONS PRODUCED	MIX
1.	36		SC 800 M
2.			AR4/8 SHEET MAT'L
3.	126	126	3/8 AR4/8
4.	432	432	1/2 AR4/8
5.	479	479	3/4 AR4/8
6.			
7.			

RECAP OF MATERIALS SOLD AND PRODUCED

SALES	
Previous this month	638
Sales this date	1073
Total sales to date	1711

PRODUCTION	
Previous this month	625
Prod. this date	1037
Total prod. to date	1662

ASPHALT OIL INVENTORY

		TODAY	MO./DATE
TANK #1			
	A.M. Stab	31	
	Received		
	Used	22	31
	P.M. Stab	9	
TANK #2			
	A.M. Stab	18	
	Received	27	
	Used	41	80
	P.M. Stab	4	

		TODAY	MO./DATE
TANK #3			
	A.M. Stab	6	
	Received		
	Used		
	P.M. Stab	6	
TANK #4			
	A.M. Stab	18	
	Received		
	Used		
	P.M. Stab	18	

HIWAY HEATER DIESEL TANK			
	On hand	1446	
	Gals. Rec'd		
	Used	104	227
	In tank	1342	

BURNER FUEL			
	On hand	55	
	Bbl's Rec'd	166	
	Used	28	53
	In tank	193	

PINEDALE PLANT
DAILY ASPHALT PLANT REPORT

DATE 7/3/95

	TONS SOLD	TONS PRODUCED	MIX
1.	13		SC 800 M
2.			AR4/8 SHEET MAT'L
3.	144	144	3/8 AR4/8
4.	204	204	1/2 AR4/8
5.	277	277	3/4 AR4/8
6.			
7.			

RECAP OF MATERIALS SOLD AND PRODUCED

SALES		PRODUCTION	
Previous this month		Previous this month	
Sales this date	638	Prod. this date	625
Total sales to date	638	Total prod. to date	625

ASPHALT OIL INVENTORY

		TODAY	MO./DATE
TANK #1			
	A.M. Stab	13	
	Received	27	
	Used	9	9
	P.M. Stab	31	
TANK #2			
	A.M. Stab	30	
	Received	27	
	Used	39	39
	P.M. Stab	18	

		TODAY	MO./DATE
TANK #3			
	A.M. Stab	6	
	Received		
	Used		
	P.M. Stab	6	
TANK #4			
	A.M. Stab	18	
	Received		
	Used		
	P.M. Stab	18	

HIWAY HEATER DIESEL TANK			
	On hand	1569	
	Gals. Rec'd		
	Used	123	123
	In tank	1446	

BURNER FUEL			
	On hand	80	
	Bbl's Rec'd		
	Used	25	25
	In tank	55	

PINEDALE PLANT
DAILY ASPHALT PLANT REPORT

DATE 7/28/95

	TONS SOLD	TONS PRODUCED	MIX
1.	88		SC 800 M
2.			AR4/8 SHEET MAT'L
3.	151	151	3/8 AR4/8
4.	483	483	1/2 AR4/8
5.			3/4 AR4/8
6.			
7.			

RECAP OF MATERIALS SOLD AND PRODUCED

SALES	
Previous this month	13278
Sales this date	722
Total sales to date	14000

PRODUCTION	
Previous this month	13276
Prod. this date	634
Total prod. to date	13910

ASPHALT OIL INVENTORY

	TODAY	MO./DATE
TANK #1		
A.M. Stab	24	
Received		
Used		147
P.M. Stab	24	
TANK #2		
A.M. Stab	36	
Received	26	
Used	35	644
P.M. Stab	27	

	TODAY	MO./DATE
TANK #3		
A.M. Stab	3	
Received		
Used		
P.M. Stab	3	
TANK #4		
A.M. Stab	29	
Received		
Used	1	42
P.M. Stab	28	

HIWAY HEATER DIESEL TANK		
On hand	2538	
Gals. Rec'd		
Used	25	1262
In tank	2513	

BURNER FUEL		
On hand	61	
Bbl's Rec'd	166	
Used	26	543
In tank	201	

PINEDALE PLANT
DAILY ASPHALT PLANT REPORT

DATE 7/31/95

	TONS SOLD	TONS PRODUCED	MIX
1.	54	245	SC 800 M
2.	15	15	AR4/8 SHEET MAT'L
3.	76	76	3/8 AR4/8
4.	185	185	1/2 AR4/8
5.			3/4 AR4/8
6.			
7.			

RECAP OF MATERIALS SOLD AND PRODUCED

SALES	
Previous this month	14000
Sales this date	330
Total sales to date	14330

PRODUCTION	
Previous this month	13910
Prod. this date	521
Total prod. to date	14431

ASPHALT OIL INVENTORY

	TODAY	MO./DATE
TANK #1		
A.M. Stab	24	
Received		
Used	1	148
P.M. Stab	23	
TANK #2		
A.M. Stab	27	
Received	26	
Used	16	660
P.M. Stab	37	

	TODAY	MO./DATE
TANK #3		
A.M. Stab	3	
Received		
Used		
P.M. Stab	3	
TANK #4		
A.M. Stab	28	
Received		
Used	13	55
P.M. Stab	15	

HIWAY HEATER DIESEL TANK		
On hand	2513	
Gals. Rec'd		
Used	74	1336
In tank	2439	

BURNER FUEL		
On hand	201	
Bbl's Rec'd		
Used	11	554
In tank	190	

STICKS TANK DAILY TO GET USED AMT.

SAN JOAQUIN REFINING CO., INC.
MAILING • P.O. BOX 5576 • BAKERSFIELD, CA. 93388
STREET-STANDARD & SHELL ST. BAKERSFIELD, CA. 93308
PHONE: (805) 327-4257
REMITTANCE ADDRESS:
DEPT. 66015
EL MONTE, CA 91735-6015

ORIGINAL INVOICE

DISCLAIMER OF IMPLIED WARRANTIES

There are no warranties which extend beyond the description on the face hereof.

INVOICE NUMBER 19348

RECEIVED
JUL 07 1995

SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

SOLD TO:
STEWART AND NUSS, INC.
P.O. BOX 886
FRESNO, CA 937140886

SHIPPING INFORMATION
CA
PINEDALE

TRUCK

DATE	INVOICE NO.	INVOICE DATE	S.J.R. CUSTOMER NO.	PRODUCT CODE	
7/03/95	019348	7/05/95	19250	2440	PROCESS OIL 50

TICKET	API	CUT	QUANTITY	TYPE OF UNIT	QUANTITY	PRICE	AMOUNT
87334	24.7		52,570.00 LBS	BBL	165.92	21.8400	3,623.69

STEWART & NUSS A/P
REC'D SANJOAS DATE 5-4
APPROVED BZ DATE
CODED GL DATE 9.30
1030 250 5309 - 3921.86
700 000 2140 - 18.19

VIRONMENTAL FEES		.0970	16.09
TOTALS	52,570.00	165.92	
DUE ON	8/02/95		

NON TAXABLE	
TAXABLE	3,639.78
SALES TAX	263.89
TOTAL AMOUNT DUE	3,903.67

ction is taken to enforce payment, customer agrees to pay reasonable attorney's fees and interest at Bank of America me plus 3% on delinquent amounts, but will not exceed the Federal Reserve Discount Rate plus 5%

For Resale ☐ Not For Resale ☐

Requisitioner Signature: T. Fall

Management Approval:

ORDER REC'D _____ DATE _____

SAN JOAQUIN REFINING CO., INC.
MAILING • P.O. BOX 5576 • BAKERSFIELD, CA. 93388
STREET-STANDARD & SHELL ST. BAKERSFIELD, CA. 93308
PHONE: (805) 327-4257
REMITTANCE ADDRESS:
DEPT. 66015
EL MONTE, CA 91735-6015

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SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

ORIGINAL INVOICE

INVOICE NUMBER 19666

RECEIVED
JUL 13 1995

SOLD TO
STEWART AND NUSS, INC.
P.O. BOX 886
FRESNO, CA 937140886

SHIPPING INFORMATION
CA
PINEDALE

TRUCK

DATE	INVOICE NO.	INVOICE DATE	S.J.R. CUSTOMER NO.	PRODUCT CODE	
7/11/95	019666	7/12/95	19250	2440	PROCESS OIL 50

TICKET	API	CUT	QUANTITY	TYPE OF UNIT	QUANTITY	PRICE	AMOUNT
387943	26.5		52,380.00 LBS	BBL	167.34	21.8400	3,654.71
ENVIRONMENTAL FEES						.0970	16.23
TOTALS			52,380.00		167.34	NON TAXABLE	
DUE ON 8/10/95						TAXABLE	3,670.94
						SALES TAX	266.15
						TOTAL AMOUNT DUE	3,937.09

STEWART & NUSS A/P
REC'D SANJOAS DATE 54
APPROVED BB DATE
CODED GL DATE 8/10
680 250 5309 - 3955.44
200 000 2146 - (18.35)

If action is taken to enforce payment, customer agrees to pay reasonable attorney's fees and interest at Bank of America Prime plus 3% on delinquent amounts, but will not exceed the Federal Reserve Discount Rate plus 5%

For Resale ☐ Not For Resale ☐

Requisitioner Signature: MKoss

Management Approval:

ORDER REC'D ______ DATE ______

SAN JOAQUIN REFINING CO., INC.
MAILING • P.O. BOX 5576 • BAKERSFIELD, CA. 93388
STREET-STANDARD & SHELL ST. BAKERSFIELD, CA. 93308
PHONE: (805) 327-4257
REMITTANCE ADDRESS:
DEPT. 66015
EL MONTE, CA 91735-6015

ORIGINAL INVOICE

DISCLAIMER OF IMPLIED WARRANTIES

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INVOICE NUMBER 20048

RECEIVED
JUL 24 1995

SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

SOLD TO
STEWART AND NUSS, INC.
P.O. BOX 886
FRESNO, CA 937140886

SHIPPING INFORMATION
CA
PINEDALE

TRUCK

DATE	INVOICE NO.	INVOICE DATE	S.J.R. CUSTOMER NO.	PRODUCT CODE	
7/20/95	020048	7/21/95	19250	2440	PROCESS OIL 50

TICKET	API	CUT	QUANTITY	TYPE OF UNIT	QUANTITY	PRICE	AMOUNT
389312	24.9		53,340.00 LBS	BBL	168.57	21.8400	3,681.57
ENVIRONMENTAL FEES						.0970	16.35

STEWART & NUSS A/P
REC'D San Joq DATE 7/21
APPROVED [illegible] DATE 7/24
CODED SB DATE 8/10
620.250 5309 ~~3406.02~~ 3384.51
700 000 2140 ~~17.23~~ 18.497

TOTALS	53,340.00	168.57	NON TAXABLE	
			TAXABLE	3,697.92
			SALES TAX	286.57 268.10
			TOTAL AMOUNT DUE	3,966.02

U E O N 8/19/95

f action is taken to enforce payment, customer agrees to pay reasonable attorney's fees and interest at Bank of America prime plus 3% on delinquent amounts, but will not exceed the Federal Reserve Discount Rate plus 5%

[redacted]

AN JOAQUIN REFINING CO., INC.
MAILING • P.O. BOX 5576 • BAKERSFIELD, CA. 93388
STREET-STANDARD & SHELL ST. BAKERSFIELD, CA. 93308
PHONE: (805) 327-4257
REMITTANCE ADDRESS:
DEPT. 66015
EL MONTE, CA 91735-6015

DISCLAIMER OF IMPLIED WARRANTIES
There are no warranties which extend beyond the description on the face hereof.

SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

ORIGINAL INVOICE

INVOICE NUMBER 20359

SOLD TO
STEWART AND NUSS, INC.
P.O. BOX 886
FRESNO, CA

937140886

SHIPPING INFORMATION
CA
PINEDALE

RECEIVED
AUG 02 1995

TRUCK

DATE	INVOICE NO.	INVOICE DATE	S.J.R. CUSTOMER NO.	PRODUCT CODE	
7/28/95	020359	7/31/95	19250	2440	PROCESS OIL 50

TICKET	API	CUT	QUANTITY		TYPE OF UNIT	QUANTITY	PRICE	AMOUNT
390073	24.7		52,650.00	LBS	BBL	166.17	21.8400	3,629.15

CALAVERAS MATERIAL INC.
FRESNO / MERCED
VENDOR ID: SAN209S
APPROVED:
CODED: SB PAY DATE: 8-20
GL ACCOUNT: 6202505309

ENVIRONMENTAL FEES .0970 16.12

TOTALS	52,650.00	166.17

DUE ON 8/27/95

NON TAXABLE	
TAXABLE	3,645.27
SALES TAX	264.28
TOTAL AMOUNT DUE	3,909.55

If action is taken to enforce payment, customer agrees to pay reasonable attorney's fees and interest at Bank of America prime plus 3% on delinquent amounts, but will not exceed the Federal Reserve Discount Rate plus 5%

For Resale ☐ Not For Resale ☐

Requisitioner Signature: T. Ford

Management Approval:

ORDER REC'D _____ DATE _____

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

EMERGENCY CONTACT
805-327-4257

SAN JOAQUIN REFINING CO.—WEIGHMASTER

			ORIGIN	DESTINATION
GROSS WEIGHT	BY DEPUTY	DATE 7/28/95	SJR	Pinedale
			EQUIPMENT NO. 109	EQUIPMENT NO. 109A
TARE WEIGHT	BY DEPUTY	DATE 7/28/95	LICENSE NO. 1C2235	LICENSE NO. X17603

SAN JOAQUIN REFINING CO., INC.
P.O. BOX 5576 • BAKERSFIELD, CA. 93388
HOOVER & SHELL ST. BAKERSFIELD, CA. 93308
PHONE: (805) 327-4257
REMITTANCE ADDRESS:
DEPT. 66015
EL MONTE, CA 91735-6015

DISCLAIMER OF IMPLIED WARRANTIES
There are no warranties which extend beyond the description on the face hereof.

SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

ORIGINAL INVOICE

INVOICE NUMBER 20636

RECEIVED
AUG 08 1995

SOLD TO
STEWART AND NUSS, INC.
P.O. BOX 886
FRESNO. CA
937140886

SHIPPING INFORMATION
CA
PINEDALE

TRUCK

DATE	INVOICE NO.	INVOICE DATE	S.J.R. CUSTOMER NO.	PRODUCT CODE	
8/06/95	020636	8/07/95	19250	2440	PROCESS OIL 50

TICKET	API	CUT	QUANTITY		TYPE OF UNIT	QUANTITY	PRICE	AMOUNT
390680	25.2		53,410.00	LBS	BBL	169.12	21.8400	3,693.58

CALAVERAS MATERIAL INC.
FRESNO / MERCED
VENDOR ID: SanJoa.52
APPROVED: SR
CODED: SR PAY DATE: 8-30
GL ACCOUNT: 620290 5309
700 0002140

PAID CK 7122 9/8/95

ENVIRONMENTAL FEES .0970 16.40

TOTALS	53,410.00	169.12

DUE ON 9/05/95

NON TAXABLE	
TAXABLE	3,709.98
SALES TAX	268.97
TOTAL AMOUNT DUE	3,978.95

action is taken to enforce payment, customer agrees to pay reasonable attorney's fees and interest at Bank of America prime plus 3% on delinquent amounts, but will not exceed the Federal Reserve Discount Rate plus 5%

For Resale ☐ Not For Resale ☐

Requisitioner Signature: T. Ford

Management Approval:

ORDER REC'D _____ DATE _____

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster whose signature is on this certificate who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

SAN JOAQUIN REFINING CO. WEIGHMASTER

GROSS WEIGHT BY _____ DEPUTY 8/7/95 DATE

TARE WEIGHT BY _____ DEPUTY 8/7/95 DATE

ORIGIN

EQUIPMENT 3

LI 9470

SAN JOAQUIN REFINING CO., INC.
MAILING • P.O. BOX 5576 • BAKERSFIELD, CA. 93388
STREET-STANDARD & SHELL ST. BAKERSFIELD, CA. 93308
PHONE: (805) 327-4257
REMITTANCE ADDRESS:
DEPT. 66015
EL MONTE, CA 91735-6015

DISCLAIMER OF IMPLIED WARRANTIES

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SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

ORIGINAL INVOICE

INVOICE NUMBER 20751

RECEIVED
AUG 14 1995

SOLD TO
STEWART AND NUSS, INC.
P.O. BOX 886
FRESNO, CA 937140886

SHIPPING INFORMATION
CA
PINEDALE

TRUCK

DATE	INVOICE NO.	INVOICE DATE	S.J.R. CUSTOMER NO.	PRODUCT CODE
8/09/95	020751	8/10/95	19250	2440 PROCESS OIL 50

TICKET	API	CUT	QUANTITY	TYPE OF UNIT	QUANTITY	PRICE	AMOUNT
690932	24.8		52,270.00 LBS	BBL	165.09	21.8400	3,605.57
ENVIRONMENTAL FEES						.0970	16.01
TOTALS			52,270.00		165.09	NON TAXABLE	
DUE ON 9/08/95						TAXABLE	3,621.58
						SALES TAX	280.68 262.56
						TOTAL AMOUNT DUE	3,884.14

CALAVERAS MATERIAL INC.
FRESNO / MERCED
VENDOR ID: 5an0095
APPROVED:
CODED: SB PAY DATE: 8 30
GL ACCOUNT: 620 250 5309
700 0002140

3902.26
16.88
18.12

If action is taken to enforce payment, customer agrees to pay reasonable attorney's fees and interest at Bank of America Prime plus 3% on delinquent amounts, but will not exceed the Federal Reserve Discount Rate plus 5%

For Resale ☐ Not For Resale ☐

Requisitioner Signature: T. Ford

Management Approval:

ORDER REC'D ______ DATE ______

SAN JOAQUIN REFINING CO., INC.
MAILING • P.O. BOX 5576 • BAKERSFIELD, CA. 93388
STREET-STANDARD & SHELL ST. BAKERSFIELD, CA. 93308
PHONE: (805) 327-4257
REMITTANCE ADDRESS:
DEPT. 66015
EL MONTE, CA 91735-6015

DISCLAIMER OF IMPLIED WARRANTIES

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SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

ORIGINAL INVOICE

INVOICE NUMBER 20871

RECEIVED
AUG 15 1995

SOLD TO
STEWART AND NUSS, INC.
P.O. BOX 886
FRESNO, CA

937140886

SHIPPING INFORMATION
CA
PINEDALE

TRUCK

DATE	INVOICE NO.	INVOICE DATE	S.J.R. CUSTOMER NO.	PRODUCT CODE	
8/13/95	020871	8/14/95	19250	2440	PROCESS OIL 50

TICKET	API	CUT	QUANTITY		TYPE OF UNIT	QUANTITY	PRICE	AMOUNT
391037	24.5		53,400.00	LBS	BBL	168.32	21.8400	3,676.11
ENVIRONMENTAL FEES							.0970	16.33

CALAVERAS MATERIAL INC.
FRESNO / MERCED
VENDOR ID: Sanjo95
APPROVED: BT
CODED: EB PAY DATE: 9-10
GL ACCOUNT: 6002505301

NON TAXABLE	
TAXABLE	3,692.44
SALES TAX	267.70
TOTAL AMOUNT DUE	3,960.14

TOTALS [illegible]

DUE ON 9/12/95

If action is taken to enforce payment, customer agrees to pay reasonable attorney's fees and interest at Bank of America prime plus 3% on delinquent amounts, but will not exceed the Federal Reserve Discount Rate plus 5%

[redacted]

AN JOAQUIN REFINING CO., INC.
MAILING • P.O. BOX 5576 • BAKERSFIELD, CA. 93388
STREET-STANDARD & SHELL ST. BAKERSFIELD, CA. 93308
PHONE: (805) 327-4257
REMITTANCE ADDRESS:
DEPT. 66015
EL MONTE, CA 91735-6015

DISCLAIMER OF IMPLIED WARRANTIES

There are no warranties which extend beyond the description on the face hereof.

SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

ORIGINAL INVOICE

INVOICE NUMBER 21078

RECEIVED
AUG 22 [illegible]

SOLD TO STEWART AND NUSS, INC.
P.O. BOX 886
FRESNO, CA 937140886

SHIPPING INFORMATION
CA
PINEDALE

TRUCK

DATE	INVOICE NO.	INVOICE DATE	S.J.R. CUSTOMER NO.	PRODUCT CODE	
8/18/95	021078	8/21/95	19250	2440	PROCESS OIL 50

TICKET	API	CUT	QUANTITY	TYPE OF UNIT	QUANTITY	PRICE	AMOUNT
391397	24.5		51,880.00 LBS	BBL	163.53	23.1000	3,777.54

CALAVERAS MATERIAL INC.
FRESNO / MERCED
VENDOR ID: Jang5095
APPROVED: RP
CODED: SB PAY DATE: 9-10
GL ACCOUNT: 620850 5309 4087.39
500000 2149 <18.97>

ENVIRONMENTAL FEES .0970 15.86

TOTALS	51,880.00		163.53	NON TAXABLE	
				TAXABLE	3,793.40
				SALES TAX	275.02
				TOTAL AMOUNT DUE	4,068.42

DUE ON 9/17/95

If action is taken to enforce payment, customer agrees to pay reasonable attorney's fees and interest at Bank of America prime plus 3% on delinquent amounts, but will not exceed the Federal Reserve Discount Rate plus 5%

For Resale ☐ Not For Resale ☐

Requisitioner Signature: T. Ford

Management Approval:

ORDER REC'D _____ DATE _____

SAN JOAQUIN REFINING CO., INC.
MAILING P.O. BOX 5576 • BAKERSFIELD, CA 93388
STREET STANDARD & SHELL ST. BAKERSFIELD, CA 93308
PHONE: (805) 327-4257
REMITTANCE ADDRESS:
DEPT. 66015
EL MONTE, CA 91735-6015

DISCLAIMER OF ~~IMPLIED~~ WARRANTIES
There are no warranties which extend beyond the description on the face hereof.

SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

ORIGINAL INVOICE

INVOICE NUMBER 21249

RECEIVED AUG 28 1995

SOLD TO
STEWART AND NUSS, INC.
P.O. BOX 886
FRESNO, CA 937140886

SHIPPING INFORMATION
CA
PINEDALE

TRUCK

DATE	INVOICE NO.	INVOICE DATE	S.J.R. CUSTOMER NO.	PRODUCT CODE
8/23/95	021249	8/24/95	19250	2440 · PROCESS OIL 50

TICKET	API	CUT	QUANTITY	TYPE OF UNIT	QUANTITY	PRICE	AMOUNT
391599	24.6		51,850.00 LBS	BBL	163.55	23.1000	3,778.01
ENVIRONMENTAL FEES						.0970	15.86
TOTALS			51,850.00		163.55	NON TAXABLE	
DUE ON 9/22/95						TAXABLE	3,793.87
						SALES TAX	275.06
						TOTAL AMOUNT DUE	4,068.93

CALAVERAS MATERIAL INC.
FRESNO / MERCED
VENDOR ID: SANJOAS
APPROVED: [signature]
CODED: SB PAY DATE: 9-20
GL ACCOUNT: 10202505309

If action is taken to enforce payment, customer agrees to pay reasonable attorney's fees and interest at Bank of America prime plus 3% on delinquent amounts, but will not exceed the Federal Reserve Discount Rate plus 5%

For Resale ☐ Not For Resale ☐

Requisitioner Signature: MKogl

Management Approval:

ORDER REC'D ______ DATE ______

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

EMERGENCY CONTAC
805-327-4257

SAN JOAQUIN REFINING CO.—WEIGHMASTER

GROSS WEIGHT BY: [signature] DEPUTY DATE 8/24/95

TARE WEIGHT BY: [signature] DEPUTY DATE 8/24/95

ORIGIN: STR
DESTINATION: Pinedale
EQUIPMENT NO. 40
EQUIPMENT NO. 12-11
LICENSE NO. 2F74583
LICENSE NO. U026687

SAN JOAQUIN REFINING CO., INC.
MAILING • P.O. BOX 5576 • BAKERSFIELD, CA 93388
STREET-STANDARD & SHELL ST. BAKERSFIELD, CA. 93308
PHONE: (805) 327-4257
REMITTANCE ADDRESS:
DEPT. 66015
EL MONTE, CA 91735-6015

DISCLAIMER OF IMPLIED WARRANTIES

There are no warranties which extend beyond the description on the face hereof.

SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

ORIGINAL INVOICE

INVOICE NUMBER 21487

RECEIVED
SEP 0_ ___

SOLD TO
STEWART AND NUSS, INC.
P.O. BOX 886
FRESNO, CA 937140886

SHIPPING INFORMATION
CA
PINEDALE

TRUCK

DATE	INVOICE NO.	INVOICE DATE	S.J.R. CUSTOMER NO.	PRODUCT CODE
8/30/95	021487	8/31/95	19250	2440 PROCESS OIL 50

TICKET	API	CUT	QUANTITY	TYPE OF UNIT	QUANTITY	PRICE	AMOUNT
391960	25.5		53,270.00 LBS	BBL	168.99	23.1000	3,903.67
ENVIRONMENTAL FEES							16.39
TOTALS			53,270.00		168.99		

CALAVERAS MATERIAL INC.
FRESNO / MERCED
VENDOR ID: San Joa 5
APPROVED: DTR
CODED: SB PAY DATE: 9-20
GL ACCOUNT: 020-250 5309
700 000 8148

4223.86
3937.6570
(19.59)
233

DUE ON 9/29/95

NON TAXABLE	
TAXABLE	3,920.06
SALES TAX	284.21
TOTAL AMOUNT DUE	4,204.27

If action is taken to enforce payment, customer agrees to pay reasonable attorney's fees and interest at Bank of America Prime plus 3% on delinquent amounts, but will not exceed the Federal Reserve Discount Rate plus 5%

For Resale ☐ Not For Resale ☐

Requisitioner Signature:

Management Approval:

ORDER REC'D ____________ DATE ____________

SAN JOAQUIN REFINING CO., INC.
MAILING • P.O. BOX 5576 • BAKERSFIELD, CA. 93388
STREET-STANDARD & SHELL ST. BAKERSFIELD, CA. 93308
PHONE (805) 327-4257
REMITTANCE ADDRESS:
DEPT. 66015
EL MONTE, CA 91735-6015

DISCLAIMER OF IMPLIED WARRANTIES
There are no warranties which extend beyond the description on the face hereof.

SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

ORIGINAL INVOICE

INVOICE NUMBER 21658

RECEIVED
SEP 07 [illegible]

SOLD TO
STEWART AND NUSS, INC.
P.O. BOX 886
FRESNO, CA 937140886

SHIPPING INFORMATION
CA
PINEDALE

TRUCK

DATE	INVOICE NO.	INVOICE DATE	S.J.R. CUSTOMER NO.	PRODUCT CODE
9/05/95	021658	9/06/95	19250	2440 PROCESS OIL 50

TICKET	API	CUT	QUANTITY	TYPE OF UNIT	QUANTITY	PRICE	AMOUNT
392302	24.7		53,170.00 LBS	BBL	167.81	23.1000	3,876.41
ENVIRONMENTAL FEES						.0970	16.28
TOTALS			53,170.00		167.81		

CALAVERAS MATERIAL INC.
FRESNO / MERCED
VENDOR ID: S 90 5099
APPROVED: [illegible]
CODED: SB PAY DATE: 9-30
GL ACCOUNT: 620 2505 309
700 0002149

E
4194.38
19.47

DUE ON 10/05/95

NON TAXABLE	
TAXABLE	3,892.69
SALES TAX	282.22
TOTAL AMOUNT DUE	4,174.91

If action is taken to enforce payment, customer agrees to pay reasonable attorney's fees and interest at Bank of America prime plus 3% on delinquent amounts, but will not exceed the Federal Reserve Discount Rate plus 5%

For Resale ☐ Not For Resale ☐

Requisitioner Signature: [signature]

Management Approval:

ORDER REC'D ____________ DATE ____________

SAN JOAQUIN REFINING CO., INC.
MAILING • P.O. BOX 5576 • BAKERSFIELD, CA. 93388
STREET-STANDARD & SHELL ST. BAKERSFIELD, CA. 93308
PHONE: (805) 327-4257
REMITTANCE ADDRESS:
DEPT. 66015
EL MONTE, CA 91735-6015

DISCLAIMER OF IMPLIED WARRANTIES
There are no warranties which extend beyond the description on the face hereof.

SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

ORIGINAL INVOICE

INVOICE NUMBER 21898

RECEIVED
SEP 13 1995

SOLD TO
STEWART AND NUSS, INC.
P.O. BOX 886
FRESNO, CA 937140886

SHIPPING INFORMATION
CA
PINEDALE

TRUCK

DATE	INVOICE NO.	INVOICE DATE	S.J.R. CUSTOMER NO.	PRODUCT CODE
9/11/95	021898	9/12/95	19250	2440 PROCESS OIL 50

TICKET	API	CUT	QUANTITY		TYPE OF UNIT	QUANTITY	PRICE	AMOUNT
392605	25.1		53,270.00	LBS	BBL	168.56	23.1000	3,893.74
ENVIRONMENTAL FEES							.0970	16.35
TOTALS			53,270.00			168.56		

CALAVERAS MATERIAL INC.
FRESNO / MERCED
VENDOR ID: SAN500A5
APPROVED: BJ
CODED: SJ PAY DATE: 10-10
GL ACCOUNT: 10202505309 4013.63
5000002149 <19.55>

NON TAXABLE	
TAXABLE	3,910.09
SALES TAX	283.49
TOTAL AMOUNT DUE	4,193.58

DUE ON 10/11/95

If action is taken to enforce payment, customer agrees to pay reasonable attorney's fees and interest at Bank of America prime plus 3% on delinquent amounts, but will not exceed the Federal Reserve Discount Rate plus 5%

For Resale ☐ Not For Resale ☑

Requisitioner Signature: RJKy

Management Approval:

ORDER REC'D ______ DATE ______

AN JOAQUIN REFINING CO., INC.
MAILING • P.O. BOX 5576 • BAKERSFIELD, CA. 93388
STREET-STANDARD & SHELL ST. BAKERSFIELD, CA. 93308
PHONE: (805) 327-4257
REMITTANCE ADDRESS:
DEPT. 66015
EL MONTE, CA 91735-6015

DISCLAIMER OF IMPLIED WARRANTIES
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SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

ORIGINAL INVOICE

INVOICE NUMBER 22099

RECEIVED SEP 2

OLD TO
STEWART AND NUSS, INC.
P.O. BOX 886
FRESNO, CA 937140886

SHIPPING INFORMATION
CA
PINEDALE

TRUCK

DATE	INVOICE NO.	INVOICE DATE	S.J.R. CUSTOMER NO.	PRODUCT CODE
9/15/95	022099	9/18/95	19250	2440 PROCESS OIL 50

TICKET	API	CUT	QUANTITY	TYPE OF UNIT	QUANTITY	PRICE	AMOUNT
393124	25.2		53,520.00 LBS	BBL	169.47	23.1000	3,914.76
NVIRONMENTAL FEES						.0970	16.44
TOTALS			53,520.00		169.47		

CALAVERAS MATERIAL INC.
FRESNO / MERCED
VENDOR ID: SAN JOA 8
APPROVED: [illegible]
CODED: SB **PAY DATE:** 10-10
GL ACCOUNT: 620-250 5309
700 0002149

4,235.87
<19.66>

U E ON 10/15/95

NON TAXABLE	
TAXABLE	3,931.20
SALES TAX	285.01
TOTAL AMOUNT DUE	4,216.21

action is taken to enforce payment, customer agrees to pay reasonable attorney's fees and interest at Bank of America rime plus 3% on delinquent amounts, but will not exceed the Federal Reserve Discount Rate plus 5%

For Resale ☐ Not For Resale ☐

Requisitioner Signature: Management Approval:

ORDER REC'D ____________ DATE ____________

AN JOAQUIN REFINING CO., INC.
MAILING • P.O. BOX 5576 • BAKERSFIELD, CA 93388
STREET-STANDARD & SHELL ST. BAKERSFIELD, CA 93308
PHONE: (805) 327-4257
REMITTANCE ADDRESS:
DEPT. 66015
EL MONTE, CA 91735-6015

DISCLAIMER OF IMPLIED WARRANTIES
There are no warranties which extend beyond the description on the face hereof.

SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

ORIGINAL INVOICE

INVOICE NUMBER 22262

RECEIVED SEP

OLD TO
STEWART AND NUSS, INC.
P.O. BOX 886
FRESNO, CA 937140886

SHIPPING INFORMATION
CA
PINEDALE

TRUCK

DATE	INVOICE NO.	INVOICE DATE	S.J.R. CUSTOMER NO.	PRODUCT CODE
9/19/95	022262	9/20/95	19250	2440 PROCESS OIL 50

TICKET	API	CUT	QUANTITY	TYPE OF UNIT	QUANTITY	PRICE	AMOUNT
93291	24.7		53,960.00 LBS	BBL	170.31	23.1000	3,934.16
NVIRONMENTAL FEES							16.52
TOTALS			53,960.00		170.31		

CALAVERAS MATERIAL INC.
FRESNO / MERCED
VENDOR ID: SAN JOA5
APPROVED: BJ
CODED: SB PAY DATE: 10-10 4256.86
GL ACCOUNT: 6700850309 6050500[illegible]9
7000002149 <19.75>

UE ON 10/19/95

NON TAXABLE	
TAXABLE	3,950.68
SALES TAX	286.43
TOTAL AMOUNT DUE	4,237.11

If action is taken to enforce payment, customer agrees to pay reasonable attorney's fees and interest at Bank of America prime plus 3% on delinquent amounts, but will not exceed the Federal Reserve Discount Rate plus 5%

For Resale ☐ Not For Resale ☐

Requisitioner Signature: [signature]

Management Approval:

ORDER REC'D ____________ DATE____________

SAN JOAQUIN REFINING CO., INC.
MAILING • P.O. BOX 5576 • BAKERSFIELD, CA. 93388
STREET-STANDARD & SHELL ST. BAKERSFIELD, CA. 93308
PHONE: (805) 327-4257
REMITTANCE ADDRESS:
DEPT. 66015
EL MONTE, CA 91735-6015

DISCLAIMER OF IMPLIED WARRANTIES

There are no warranties which extend beyond the description on the face hereof.

SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

ORIGINAL INVOICE

INVOICE NUMBER 22370

RECEIVED

SOLD TO
STEWART AND NUSS, INC.
P.O. BOX 886
FRESNO, CA 937140886

SHIPPING INFORMATION
CA
PINEDALE

TRUCK

DATE	INVOICE NO.	INVOICE DATE	S.J.R. CUSTOMER NO.	PRODUCT CODE
9/21/95	022370	9/22/95	19250	2440 PROCESS OIL 50

TICKET	API	CUT	QUANTITY	TYPE OF UNIT	QUANTITY	PRICE	AMOUNT
393624	24.7		53,410.00 LBS	BBL	168.57	23.1000	3,893.97
ENVIRONMENTAL FEES						.0970	16.35
TOTALS			53,410.00		168.57	NON TAXABLE	

CALAVERAS MATERIAL INC.
FRESNO / MERCED
VENDOR ID: SAN509 S
APPROVED: KT
CODED: SB PAY DATE: 10-20
GL ACCOUNT: 620 2305309 4213.37
000 0002149 (19.55)

DUE ON 10/21/95

TAXABLE	3,910.32
SALES TAX	283.50
TOTAL AMOUNT DUE	4,193.82

If action is taken to enforce payment, customer agrees to pay reasonable attorney's fees and interest at Bank of America prime plus 3% on delinquent amounts, but will not exceed the Federal Reserve Discount Rate plus 5%

For Resale ☐ Not For Resale ☐

Requisitioner Signature: Management Approval:

ORDER REC'D ________ DATE ________

SAN JOAQUIN REFINING CO., INC.
MAILING • P.O. BOX 5576 • BAKERSFIELD, CA. 93388
STREET-STANDARD & SHELL ST. BAKERSFIELD, CA. 93308
PHONE: (805) 327-4257
REMITTANCE ADDRESS:
DEPT. 66015
EL MONTE, CA 91735-6015

DISCLAIMER OF IMPLIED WARRANTIES

There are no warranties which extend beyond the description on the face hereof.

SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

RECEIVED
OCT ...

ORIGINAL INVOICE

INVOICE NUMBER 22542

SOLD TO
STEWART AND NUSS, INC.
P.O. BOX 886
FRESNO, CA 937140886

SHIPPING INFORMATION
CA
PINEDALE

TRUCK

DATE	INVOICE NO.	INVOICE DATE	S.J.R. CUSTOMER NO.	PRODUCT CODE
9/26/95	022542	9/27/95	19250	2440 PROCESS OIL 50

TICKET	API	CUT	QUANTITY	TYPE OF UNIT	QUANTITY	PRICE	AMOUNT
394033	24.7		53,720.00 LBS	BBL	169.55	23.1000	3,916.61
ENVIRONMENTAL FEES						.0970	16.45
TOTALS			53,720.00		169.55	NON TAXABLE	
DUE ON 10/26/95						TAXABLE	3,933.06
						SALES TAX	285.14
						TOTAL AMOUNT DUE	4,218.20

CALAVERAS MATERIAL INC.
FRESNO / MERCED

VENDOR ID: SAN 5009
APPROVED:
CODED: SD PAY DATE: 10/20
GL ACCOUNT: 6202505308 4,237.88
200 800 2149 <19.68>

If action is taken to enforce payment, customer agrees to pay reasonable attorney's fees and interest at Bank of America prime plus 3% on delinquent amounts, but will not exceed the Federal Reserve Discount Rate plus 5%

For Resale ☐ Not For Resale ☑

Requisitioner Signature: MKasl

Management Approval:

ORDER REC'D ______ DATE ______

SAN JOAQUIN REFINING CO., INC.
MAILING • P.O. BOX 5576 • BAKERSFIELD, CA. 93388
STREET-STANDARD & SHELL ST. BAKERSFIELD, CA. 93308
PHONE: (805) 327-4257
REMITTANCE ADDRESS:
DEPT. 66015
EL MONTE, CA 91735-6015

DISCLAIMER OF IMPLIED WARRANTIES

There are no warranties which extend beyond the description on the face hereof.

SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

ORIGINAL INVOICE

INVOICE NUMBER 22727

SOLD TO STEWART AND NUSS, INC.
P.O. BOX 886
FRESNO, CA 937140886

SHIPPING INFORMATION
CA
PINEDALE

TRUCK

DATE	INVOICE NO.	INVOICE DATE	S.J.R. CUSTOMER NO.	PRODUCT CODE	
9/29/95	022727	10/02/95	19250	2440	PROCESS OIL 50

TICKET	API	CUT	QUANTITY	TYPE OF UNIT	QUANTITY	PRICE	AMOUNT
394377	24.9		51,970.00 LBS	BBL	164.24	23.1000	3,793.94

CALAVERAS MATERIAL INC.
FRESNO / MERCED
VENDOR ID: 2000209 S
APPROVED: BJ
CODED: SB PAY DATE: 10-20
G/L ACCOUNT: 6202505309 4 105.14 .0970 15.93
2000008149 < 19.06 >

ENVIRONMENTAL FEES

TOTALS	51,970.00		164.24	NON TAXABLE	
DUE ON 10/29/95				TAXABLE	3,809.87
				SALES TAX	276.21
				TOTAL AMOUNT DUE	4,086.08

action is taken to enforce payment, customer agrees to pay reasonable attorney's fees and interest at Bank of America time plus 3% on delinquent amounts, but will not exceed the Federal Reserve Discount Rate plus 5%

For Resale ☐ Not For Resale ☐

Requisitioner Signature:

Management Approval:

ORDER REC'D _____ DATE _____

SAN JOAQUIN REFINING CO., INC.
MAILING • P.O. BOX 5576 • BAKERSFIELD, CA. 93388
STREET • STANDARD & SHELL ST. BAKERSFIELD, CA. 93308
PHONE: (805) 327-4257
REMITTANCE ADDRESS:
DEPT. 66015
EL MONTE, CA 91735-6015

DISCLAIMER OF IMPLIED WARRANTIES

There are no warranties which extend beyond the description on the face hereof.

SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

ORIGINAL INVOICE

INVOICE NUMBER 22939

SOLD TO
STEWART AND NUSS, INC.
P.O. BOX 886
FRESNO, CA 937140886

SHIPPING INFORMATION
CA
PINEDALE

TRUCK

DATE	INVOICE NO.	INVOICE DATE	S.J.R. CUSTOMER NO.	PRODUCT CODE	
10/04/95	022939	10/05/95	19250	2440	PROCESS OIL 50

TICKET	API	CUT	QUANTITY	TYPE OF UNIT	QUANTITY	PRICE	AMOUNT
394677	25.2		51,830.00 LBS	BBL	164.12	23.9400	3,929.03
ENVIRONMENTAL FEES						4230.69 19.74	15.92

CALAVERAS MATERIAL INC.
FRESNO / MERCED
VENDOR ID: SanJoa R
APPROVED: BJ
CODED: SB PAY DATE: 10-30
GL ACCOUNT: 1370250530 9
700 000 7149

TOTALS	51,830.00	164.12	NON TAXABLE	
DUE ON 11/03/95			TAXABLE	3,944.95
			SALES TAX	286.00
			TOTAL AMOUNT DUE	4,230.95

If action is taken to enforce payment, customer agrees to pay reasonable attorney's fees and interest at Bank of America prime plus 3% on delinquent amounts, but will not exceed the Federal Reserve Discount Rate plus 5%

Requisitioner Signature: RD Kya

Management Approval:

ORDER REC'D __________ DATE__________

SAN JOAQUIN REFINING CO., INC.
MAILING P.O. BOX 5576 • BAKERSFIELD, CA. 93388
STREET STANDARD & SHELL ST. BAKERSFIELD, CA. 93308
PHONE: (805) 327-4257
REMITTANCE ADDRESS:
DEPT. 66015
EL MONTE, CA 91735-6015

DISCLAIMER OF IMPLIED WARRANTIES
There are no warranties which extend beyond the description on the face hereof.

SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

ORIGINAL INVOICE
INVOICE NUMBER

SOLD TO
STEWART AND NUSS, INC.
P.O. BOX 886
FRESNO, CA 937140886

SHIPPING INFORMATION
CA
PINEDALE

RECEIVED
OCT 12 1995

TRUCK

DATE	INVOICE NO.	INVOICE DATE	S.J.R. CUSTOMER NO.	PRODUCT CODE	
10/06/95	023085	10/09/95	19250	2440	PROCESS 50

TICKET	API	CUT	QUANTITY	TYPE OF UNIT	QUANTITY	PRICE	AMOUNT
394951	25.5		52,900.00 LBS	BBL	167.52	23.9400	4,017.67
ENVIRONMENTAL FEES						.0970	16.

CALAVERAS MATERIAL INC.
FRESNO, MERCED

VENDOR ID: SAN50
APPROVED:
CODED: PAY DATE: 10-30
GL ACCOUNT: 10202505 109 43 52
700000 49 77

TOTALS	52,900.00	167		
			NON TAXABLE	
			TAXABLE	4,033
			SALES TAX	292
			TOTAL AMOUNT DUE	4,32

DUE ON 11/05/95

If action is taken to enforce payment, customer agrees to pay reasonable attorney's fees and interest at Bank prime plus 3% on delinquent amounts, but will not exceed the Federal Reserve Discount Rate plus

REMARKS

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

SAN JOAQUIN REFINING CO.—WEIGHMASTER

GROSS WEIGHT BY: DEPUTY 10/6/95 DATE

TARE WEIGHT BY: DEPUTY 10/6/95 DATE

EMERGENCY CALL
805-327-42

ORIGIN S.J.
EQUIPMENT 3
LICENSE

DESTINATION
EQUIPMENT NO.
LICENSE NO.

SAN JOAQUIN REFINING CO., INC.
MAILING • P.O. BOX 5576 • BAKERSFIELD, CA. 93388
STREET-STANDARD & SHELL ST. BAKERSFIELD, CA. 93308
PHONE: (805) 327-4257
REMITTANCE ADDRESS:
DEPT. 66015
EL MONTE, CA 91735-6015

DISCLAIMER OF IMPLIED WARRANTIES
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SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

ORIGINAL INVOICE

INVOICE NUMBER 23234

SOLD TO
STEWART AND NUSS, INC.
P.O. BOX 886
FRESNO, CA 937140886

SHIPPING INFORMATION
CA
PINEDALE

RECEIVED
OCT 12 1995

TRUCK

DATE	INVOICE NO.	INVOICE DATE	S.J.R. CUSTOMER NO.	PRODUCT CODE	
10/10/95	023234	10/11/95	19250	2440	PROCESS OIL 50

TICKET	API	CUT	QUANTITY	TYPE OF UNIT	QUANTITY	PRICE	AMOUNT
395098	25.0		52,630.00 LBS	BBL	166.44	23.9400	3,984.57
ENVIRONMENTAL FEES							16.14
TOTALS			52,630.00		166.44	NON TAXABLE	
DUE ON 11/09/95						TAXABLE	4,000.71
						SALES TAX	290.05
						TOTAL AMOUNT DUE	4,290.76

CALAVERAS MATERIAL INC.
FRESNO / MERCED
VENDOR ID: 599309
APPROVED: [signature]
CODED: SB PAY DATE: 10-30
GL ACCOUNT: 620505309
900000 2149

4310.77
[200997]

If action is taken to enforce payment, customer agrees to pay reasonable attorney's fees and interest at Bank of America prime plus 3% on delinquent amounts, but will not exceed the Federal Reserve Discount Rate plus 5%

For Resale ☐ Not For Resale ☑

Requisitioner Signature: [signature]

Management Approval:

ORDER REC'D ______ DATE ______

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

EMERGENCY CONTACT
805-327-4257

SAN JOAQUIN REFINING CO.—WEIGHMASTER

	BY	DATE	ORIGIN	DESTINATION
GROSS WEIGHT	Manuel Cruz, DEPUTY	10/10/95	SJR	Pinedale
			EQUIPMENT NO. 40	EQUIPMENT NO. 120-11-N
TARE WEIGHT	Manuel Cruz, DEPUTY	10/10/95	LICENSE NO. 2F41583	LICENSE NO. 1112186-87

AN JOAQUIN REFINING CO., INC.
MAILING • P.O. BOX 5576 • BAKERSFIELD, CA. 93388
STREET-STANDARD & SHELL ST. BAKERSFIELD, CA. 93308
PHONE: (805) 327-4257
REMITTANCE ADDRESS:
DEPT. 66015
EL MONTE, CA 91735-6015

DISCLAIMER OF IMPLIED WARRANTIES

There ~~are no warranties~~ which extend beyond the description on the face hereof.

SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

ORIGINAL INVOICE

INVOICE NUMBER 23509

RECEIVED
OCT 18 1995

SHIPPING INFORMATION

OLD TO

STEWART AND NUSS, INC.
P.O. BOX 886
FRESNO, CA 937140886

CA
PINEDALE

TRUCK

DATE	INVOICE NO.	INVOICE DATE	S.J.R. CUSTOMER NO.	PRODUCT CODE	
0/16/95	023509	10/17/95	19250	2440	PROCESS OIL 50

TICKET	API	CUT	QUANTITY	TYPE OF UNIT	QUANTITY	PRICE	AMOUNT
395723	24.6		53,030.00 LBS	BBL	167.27	23.9400	4,004.44
NVIRONMENTAL FEES						.0970	16.23
TOTALS			53,030.00		167.27	NON TAXABLE	

CALAVERAS MATERIAL INC.
FRESNO / MERCED
VENDOR ID: SAN5009.5
APPROVED:
CODED: 513 PAY DATE: 11-10
GL ACCOUNT: 620505309
7000002149

4332.28
(20.11)

UE ON 11/15/95	
TAXABLE	4,020.67
SALES TAX	291.50
TOTAL AMOUNT DUE	4,312.17

If action is taken to enforce payment, customer agrees to pay reasonable attorney's fees and interest at Bank of America prime plus 3% on delinquent amounts, but will not exceed the Federal Reserve Discount Rate plus 5%

For Resale ☐ Not For Resale ☑

Requisitioner Signature:

Management Approval:

ORDER REC'D ________ DATE ________

SAN JOAQUIN REFINING CO., INC.
MAILING • P.O. BOX 5576 • BAKERSFIELD, CA. 93388
STREET-STANDARD & SHELL ST. BAKERSFIELD, CA. 93308
PHONE: (805) 327-4257
REMITTANCE ADDRESS:
DEPT. 66015
EL MONTE, CA 91735-6015

DISCLAIMER OF IMPLIED WARRANTIES
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SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

ORIGINAL INVOICE

INVOICE NUMBER 23619

RECEIVED
OCT 20 1995

SOLD TO
STEWART AND NUSS, INC.
P.O. BOX 886
FRESNO, CA
937140886

SHIPPING INFORMATION
CA
PINEDALE

TRUCK

DATE	INVOICE NO.	INVOICE DATE	S.J.R. CUSTOMER NO.	PRODUCT CODE	
10/18/95	023619	10/19/95	19250	2440	PROCESS OIL 50

TICKET	API	CUT	QUANTITY	TYPE OF UNIT	QUANTITY	PRICE	AMOUNT
395884	24.6		52,850.00 LBS	BBL	166.70	23.9400	3,990.80
ENVIRONMENTAL FEES							16.17
TOTALS			52,850.00		166.70	NON TAXABLE	
DUE ON 11/17/95						TAXABLE	4,006.97
						SALES TAX	290.50
						TOTAL AMOUNT DUE	4,297.47

CALAVERAS MATERIAL INC.
FRESNO / MERCED
VENDOR ID: SANJOAQ
APPROVED: ✓
CODED: SB PAY DATE: 11-10
GL ACCOUNT: 10200505309 4317.60
200000021490 (20.04)

If action is taken to enforce payment, customer agrees to pay reasonable attorney's fees and interest at Bank of America prime plus 3% on delinquent amounts, but will not exceed the Federal Reserve Discount Rate plus 5%

For Resale ☐ Not For Resale ☐

Requisitioner Signature: M Kogel

Management Approval:

ORDER REC'D ____________ DATE ____________

SAN JOAQUIN REFINING CO., INC.
MAILING • P.O. BOX 5576 • BAKERSFIELD, CA. 93388
STREET-STANDARD & SHELL ST. BAKERSFIELD, CA. 93308
PHONE: (805) 327-4257
REMITTANCE ADDRESS:
DEPT. 66015
EL MONTE, CA 91735-6015

DISCLAIMER OF IMPLIED WARRANTIES

There are no warranties which extend beyond the description on the face hereof.

SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

ORIGINAL INVOICE

INVOICE NUMBER 23831

RECEIVED
OCT 25 1995

SOLD TO

STEWART AND NUSS, INC.
P.O. BOX 886
FRESNO, CA 937140886

SHIPPING INFORMATION
CA
PINEDALE

TRUCK

DATE	INVOICE NO.	INVOICE DATE	S.J.R. CUSTOMER NO.	PRODUCT CODE	
10/23/95	023831	10/24/95	19250	2440	PROCESS OIL 50

TICKET	API	CUT	QUANTITY		TYPE OF UNIT	QUANTITY	PRICE	AMOUNT
395611	24.6		53,570.00	LBS	BBL	168.98	23.9400	4,045.38
ENVIRONMENTAL FEES							.0970	16.39
TOTALS			53,570.00			168.98	NON TAXABLE	
DUE ON 11/22/95							TAXABLE	4,061.77
							SALES TAX	294.48
							TOTAL AMOUNT DUE	4,356.25

CALAVERAS MATERIAL INC.
FRESNO / MERCED
VENDOR ID: SanJoa5
APPROVED:
CODED: 55 **PAY DATE:** 11-20
GL ACCOUNT: 1020 5805 309 4376.56
700 000 2141 (20.31)

If action is taken to enforce payment, customer agrees to pay reasonable attorney's fees and interest at Bank of America prime plus 3% on delinquent amounts, but will not exceed the Federal Reserve Discount Rate plus 5%

For Resale ☐ Not For Resale ☐

Requisitioner Signature: Management Approval:

ORDER REC'D ________________ DATE ________

SAN JOAQUIN REFINING CO., INC.
MAILING • P.O. BOX 5576 • BAKERSFIELD, CA. 93388
STREET-STANDARD & SHELL ST. BAKERSFIELD, CA. 93308
PHONE: (805) 327-4257
REMITTANCE ADDRESS:
DEPT. 66015
EL MONTE, CA 91735-6015

DISCLAIMER OF IMPLIED WARRANTIES

There are no warranties which extend beyond the description ~~on the~~ face hereof.

SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

ORIGINAL INVOICE

INVOICE NUMBER 23937

RECEIVED
OCT 30 1995

SOLD TO
STEWART AND NUSS, INC.
P.O. BOX 886
FRESNO, CA 937140886

SHIPPING INFORMATION
CA
PINEDALE

TRUCK

DATE	INVOICE NO.	INVOICE DATE	S.J.R. CUSTOMER NO.	PRODUCT CODE
10/25/95	023937	10/26/95	19250	2440 PROCESS OIL 50

TICKET	API	CUT	QUANTITY	TYPE OF UNIT	QUANTITY	PRICE	AMOUNT
397240	24.7		53,640.00 LBS	BBL	169.30	23.9400	4,053.04
ENVIRONMENTAL FEES						.0970	16.42
TOTALS			53,640.00		169.30	NON TAXABLE	
						TAXABLE	4,069.46
						SALES TAX	295.04
						TOTAL AMOUNT DUE	4,364.50

CALAVERAS MATERIAL INC.
FRESNO / MERCED
VENDOR ID: SAN500 S
APPROVED:
CODED: PAY DATE: 11-20
GL ACCOUNT: 1020.2505309 4384.85
700.000.2146 20.35

DUE ON 11/24/95

If action is taken to enforce payment, customer agrees to pay reasonable attorney's fees and interest at Bank of America prime plus 3% on delinquent amounts, but will not exceed the Federal Reserve Discount Rate plus 5%

For Resale ☐ Not For Resale ☐

Requisitioner Signature: MKopp

Management Approval:

ORDER REC'D ____________ DATE ____________

SAN JOAQUIN REFINING CO., INC.
MAILING • P.O. BOX 5576 • BAKERSFIELD, CA. 93388
STREET-STANDARD & SHELL ST. BAKERSFIELD, CA. 93308
PHONE: (805) 327-4257
REMITTANCE ADDRESS:
DEPT. 66015
EL MONTE, CA 91735-6015

DISCLAIMER OF IMPLIED WARRANTIES

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SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

RECEIVED
OCT 30 1995

ORIGINAL INVOICE

INVOICE NUMBER 23984

SOLD TO
STEWART AND NUSS, INC.
P.O. BOX 886
FRESNO, CA
937140886

SHIPPING INFORMATION
CA
PINEDALE

TRUCK

DATE	INVOICE NO.	INVOICE DATE	S.J.R. CUSTOMER NO.	PRODUCT CODE
10/26/95	023984	10/27/95	19250	2440 PROCESS OIL 50

TICKET	API	CUT	QUANTITY		TYPE OF UNIT	QUANTITY	PRICE	AMOUNT
397395	24.7		52,580.00	LBS	BBL	165.95	23.9400	3,972.84
ENVIRONMENTAL FEES							.0970	16.10
TOTALS			52,580.00			165.95		

CAL... INC.
FRESNO ...
VENDOR ID: SA5009
APPROVED:
CODED: SB PAY DATE: 11-30
G/L ACCOUNT: 6202505308 4293.09
720000-21010 <19.95>

DUE ON 11/25/95

NON TAXABLE	
TAXABLE	3,988.94
SALES TAX	289.20
TOTAL AMOUNT DUE	4,278.14

If action is taken to enforce payment, customer agrees to pay reasonable attorney's fees and interest at Bank of America prime plus 3% on delinquent amounts, but will not exceed the Federal Reserve Discount Rate plus 5%

For Resale ☐ Not For Resale ☐

Requisitioner Signature: M Kasl

Management Approval:

ORDER REC'D ______ DATE ______

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

EMERGENCY CONTACT
805-327-4257

SAN JOAQUIN REFINING CO.—WEIGHMASTER

GROSS WEIGHT BY: [signature] DEPUTY 10/27/95 DATE

TARE WEIGHT BY: [signature] DEPUTY 10/27/95 DATE

ORIGIN: SJR
EQUIPMENT NO. 40
LICENSE NO. 2F74593

DESTINATION: Pinedale
EQUIPMENT NO. 10...
LICENSE NO. UU2186...

SAN JOAQUIN REFINING CO., INC.
MAILING • P.O. BOX 5576 • BAKERSFIELD, CA. 93388
STREET-STANDARD & SHELL ST. BAKERSFIELD, CA. 93308
PHONE: (805) 327-4257
REMITTANCE ADDRESS:
DEPT. 66015
EL MONTE, CA 91735-6015

DISCLAIMER OF IMPLIED WARRANTIES

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SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

ORIGINAL INVOICE

INVOICE NUMBER 24220

SOLD TO
STEWART AND NUSS, INC.
P.O. BOX 886
FRESNO, CA 937140886

SHIPPING INFORMATION
CA
PINEDALE

RECEIVED
NOV 02 1995

TRUCK

DATE	INVOICE NO.	INVOICE DATE	S.J.R. CUSTOMER NO.	PRODUCT CODE
10/31/95	024220	11/01/95	19250	2440 PROCESS OIL 50

TICKET	API	CUT	QUANTITY	TYPE OF UNIT	QUANTITY	PRICE	AMOUNT
397883	25.2		52,590.00 LBS	BBL	166.52	23.9400	3,986.49
ENVIRONMENTAL FEES							16.15
TOTALS			52,590.00		166.52		

CALAVERAS MATERIAL INC.
FRESNO / MERCED
VENDOR ID: SAN J099
APPROVED: BH
CODED: SB PAY DATE: 11 30
GL ACCOUNT: 100 02505309 4312.85
000 0002140 (20.02)

DUE ON 11/30/95

NON TAXABLE	
TAXABLE	4,002.64
SALES TAX	290.19
TOTAL AMOUNT DUE	4,292.83

If action is taken to enforce payment, customer agrees to pay reasonable attorney's fees and interest at Bank of America prime plus 3% on delinquent amounts, but will not exceed the Federal Reserve Discount Rate plus 5%

REMARKS

BC

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

EMERGENCY CONTA
805-327-4257

SAN JOAQUIN REFINING CO.—WEIGHMASTER

GROSS WEIGHT BY: [signature] DEPUTY 11/1/95 DATE

TARE WEIGHT BY: [signature] DEPUTY 11/1/95 DATE

ORIGIN	DESTINATION
SJR	Pinedale
EQUIPMENT NO.	EQUIPMENT NO.
110	11
LICENSE NO.	LICENSE NO.
9D11272L	2156

SAN JOAQUIN REFINING CO., INC.
MAILING • P.O. BOX 5576 • BAKERSFIELD, CA. 93388
STREET-STANDARD & SHELL ST. BAKERSFIELD, CA. 93308
PHONE: (805) 327-4257
REMITTANCE ADDRESS:
DEPT. 66015
EL MONTE, CA 91735-6015

DISCLAIMER OF IMPLIED WARRANTIES

There are no warranties which extend beyond the description on the face hereof.

SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

ORIGINAL INVOICE

RECEIVED NOV 06 1995

INVOICE NUMBER 24343

SOLD TO
STEWART AND NUSS, INC.
P.O. BOX 886
FRESNO, CA 937140886

SHIPPING INFORMATION
CA
PINEDALE

TRUCK

DATE	INVOICE NO.	INVOICE DATE	S.J.R. CUSTOMER NO.	PRODUCT CODE	
11/02/95	024343	11/03/95	19250	2440	PROCESS OIL 50

TICKET	API	CUT	QUANTITY	TYPE OF UNIT	QUANTITY	PRICE	AMOUNT
396799	25.1		53,390.00 LBS	BBL	168.94	23.9400	4,044.42

CALAVERAS MATERIAL INC.
FRESNO / MERCED
VENDOR ID: SAN209S
APPROVED:
CODED: SS PAY DATE: 11-30
GL ACCOUNT: 02 00505309 4375.53
760002140 (20.31)

ENVIRONMENTAL FEES 0970 16.39

TOTALS	53,390.00	168.94	NON TAXABLE
DUE ON 12/02/95			TAXABLE 4,060.81
			SALES TAX 294.41
			TOTAL AMOUNT DUE 4,355.22

action is taken to enforce payment, customer agrees to pay reasonable attorney's fees and interest at Bank of America me plus 3% on delinquent amounts, but will not exceed the Federal Reserve Discount Rate plus 3%

For Resale ☐ Not For Resale ☑

Requisitioner Signature:

Management Approval:

ORDER REC'D _____ DATE _____

SAN JOAQUIN REFINING CO., INC.
MAILING • P.O. BOX 5576 • BAKERSFIELD, CA. 93388
STREET-STANDARD & SHELL ST. BAKERSFIELD, CA. 93308
PHONE: (805) 327-4257
REMITTANCE ADDRESS:
DEPT. 66015
EL MONTE, CA 91735-6015

DISCLAIMER OF IMPLIED WARRANTIES

There are no warranties which extend beyond the description on the face hereof.

SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

ORIGINAL INVOICE

INVOICE NUMBER 24526

SOLD TO: STEWART AND NUSS, INC.
P.O. BOX 886
FRESNO, CA 937140886

SHIPPING INFORMATION
CA
PINEDALE

TRUCK

DATE	INVOICE NO.	INVOICE DATE	S.J.R. CUSTOMER NO.	PRODUCT CODE
11/06/95	024526	11/07/95	19250	2440 PROCESS OIL 50

TICKET	API	CUT	QUANTITY		TYPE OF UNIT	QUANTITY	PRICE	AMOUNT
397023	25.4		53,480.00	LBS	BBL	169.56	23.9400	4,059.27
ENVIRONMENTAL FEES							.0970	16.45
TOTALS			53,480.00			169.56	NON TAXABLE	
DUE ON 12/06/95							TAXABLE	4,075.72
							SALES TAX	295.49
							TOTAL AMOUNT DUE	4,371.21

CALAVERAS MATERIAL INC.
FRESNO / MERCED
VENDOR ID: SANJOAS
APPROVED: [signature]
CODED: SB PAY DATE: 11-30
GL ACCOUNT: 620-250-5309 4391.59
200-000-2140 (20.38)

If action is taken to enforce payment, customer agrees to pay reasonable attorney's fees and interest at Bank of America prime plus 3% on delinquent amounts, but will not exceed the Federal Reserve Discount Rate plus 5%

For Resale ☐ Not For Resale ☑

Requisitioner Signature: [signature]

Management Approval:

ORDER REC'D ________ DATE ________

.AN JOAQUIN REFINING CO., INC.
MAILING • P.O. BOX 5576 • BAKERSFIELD, CA 93388
STREET-STANDARD & SHELL ST. BAKERSFIELD, CA 93308
PHONE: (805) 327-4257
REMITTANCE ADDRESS:
DEPT. 66015
EL MONTE, CA 91735-6015

DISCLAIMER OF IMPLIED WARRANTIES

There are no warranties which extend beyond the description on the face hereof.

SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

ORIGINAL INVOICE

INVOICE NUMBER 24714

RECEIVED

NOV 13 1995

OLD TO

STEWART AND NUSS, INC.
P.O. BOX 886
FRESNO, CA 937140886

SHIPPING INFORMATION
CA
PINEDALE

TRUCK

DATE	INVOICE NO.	INVOICE DATE	S.J.R. CUSTOMER NO.	PRODUCT CODE
11/09/95	024714	11/10/95	19250	2440 PROCESS OIL 50

TICKET	API	CUT	QUANTITY		TYPE OF UNIT	QUANTITY	PRICE	AMOUNT
397935	25.0		52,540.00	LBS	BBL	166.15	23.9400	3,977.63
ENVIRONMENTAL FEES							.0970	16.12
TOTALS			52,540.00			166.15	NON TAXABLE	

CALAVERAS MATERIAL INC.
FRESNO / MERCED

VENDOR ID: SAN00A5
APPROVED: [illegible]
CODED: 5/15 PAY DATE: 11-30
GL ACCOUNT: 1020050530
1000021410

4303.27
19.977

DUE ON 12/09/95

TAXABLE	3,993.75
SALES TAX	289.55
TOTAL AMOUNT DUE	4,283.30

If action is taken to enforce payment, customer agrees to pay reasonable attorney's fees and interest at Bank of America prime plus 3% on delinquent amounts, but will not exceed the Federal Reserve Discount Rate plus 5%

For Resale ☐ Not For Resale ☑

Requisitioner Signature: [signature] Management Approval:

ORDER REC'D ______ DATE ______

SAN JOAQUIN REFINING CO., INC.
P.O. BOX 5576 • BAKERSFIELD, CA 93388
STREET STANDARD & SHELL ST. BAKERSFIELD, CA 93308
PHONE: (805) 327-4257
REMITTANCE ADDRESS:
DEPT. 66015
EL MONTE, CA 91735-6015

DISCLAIMER OF IMPLIED WARRANTIES
There are no warranties which extend beyond the description on the face hereof.

SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

ORIGINAL INVOICE

INVOICE NUMBER 24924

RECEIVED
NOV 27 1995

SOLD TO
STEWART AND NUSS, INC.
P.O. BOX 886
FRESNO, CA 937140886

SHIPPING INFORMATION
CA
PINEDALE

TRUCK

DATE	INVOICE NO.	INVOICE DATE	S.J.R. CUSTOMER NO.	PRODUCT CODE
11/14/95	024924	11/15/95	19250	2440 PROCESS OIL 50

TICKET	API	CUT	QUANTITY	TYPE OF UNIT	QUANTITY	PRICE	AMOUNT
398158	25.0		53,570.00 LBS	BBL	169.41	23.9400	4,055.68
ENVIRONMENTAL FEES						.0970	16.43
TOTALS			53,570.00		169.41	NON TAXABLE	
DUE ON 12/14/95						TAXABLE	4,072.11
						SALES TAX	295.23
						TOTAL AMOUNT DUE	4,367.34

CALAVERAS MATERIAL INC.
FRESNO / MERCED
VENDOR ID: San Joa s
APPROVED:
CODED: 2/7 PAY DATE: 12-10
GL ACCOUNT: 620 505 309
1100002140
4387.70
(20.36)

If action is taken to enforce payment, customer agrees to pay reasonable attorney's fees and interest at Bank of America prime plus 3% on delinquent amounts, but will not exceed the Federal Reserve Discount Rate plus 5%

398157
398158

For Resale ☐ Not For Resale ☑

Requisitioner Signature: Management Approval:

ORDER REC'D ______ DATE ______

SAN JOAQUIN REFINING CO., INC.
MAILING • P.O. BOX 5576 • BAKERSFIELD, CA. 93388
STREET-STANDARD & SHELL ST. BAKERSFIELD, CA. 93308
PHONE: (805) 327-4257
REMITTANCE ADDRESS:
DEPT. 66015
EL MONTE, CA 91735-6015

DISCLAIMER OF IMPLIED WARRANTIES
There are no warranties which extend beyond the description on the face hereof.

SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

ORIGINAL INVOICE
INVOICE NUMBER 25029

RECEIVED
NOV 20 1995

SOLD TO
STEWART AND NUSS, INC.
P.O. BOX 886
FRESNO, CA 937140886

SHIPPING INFORMATION
CA
PINEDALE

TRUCK

DATE	INVOICE NO.	INVOICE DATE	S.J.R. CUSTOMER NO.	PRODUCT CODE
11/16/95	025029	11/17/95	19250	2440 PROCESS OIL 50

TICKET	API	CUT	QUANTITY	TYPE OF UNIT	QUANTITY	PRICE	AMOUNT
398330	25.0		52,830.00 LBS	BBL	167.07	23.9400	3,999.66
VIRONMENTAL FEES						.0970	16.21
TALS			52,830.00		167.07	NON TAXABLE	
E ON 12/16/95						TAXABLE	4,015.87
						SALES TAX	291.16
						TOTAL AMOUNT DUE	4,307.03

CALAVERAS MATERIAL INC.
FRESNO / MERCED
VENDOR ID: SAN JOAS
APPROVED: [illegible]
CODED: SD PAY DATE: 12-10
GL ACCOUNT: 1020250530 9
700000 21410
4327.10
20.07

on is taken to enforce payment, customer agrees to pay reasonable attorney's fees and interest at Bank of America plus 3% on delinquent amounts, but will not exceed the Federal Reserve Discount Rate plus 5%

For Resale ☐ Not For Resale ☒
Requisitioner Signature: [signature]
Management Approval:

ORDER REC'D ________ DATE ________

WEIGHMASTER CERTIFICATE
...the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, ...of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions ...of Measurement Standards of the California Department of Food and Agriculture.

WEIGHMASTER [signature] 11/16/95 DATE
DEPUTY [signature] 11/16/95 DATE
DEPUTY

ORIGIN SJR
EQUIPMENT NO 40
LICENSE NO 9A42786

EMERGENCY CONTA...
805-327-4257
DESTINATION Pinedale
EQUIPMENT NO [illegible]
LICENSE NO [illegible]

SAN JOAQUIN REFINING CO., INC.
MAILING • P.O. BOX 5576 • BAKERSFIELD, CA 93388
STREET STANDARD & SHELL ST. BAKERSFIELD, CA 93308
PHONE: (805) 327-4257
REMITTANCE ADDRESS:
DEPT. 66015
EL MONTE, CA 91735-6015

DISCLAIMER OF IMPLIED WARRANTIES

There are no warranties which extend beyond the description on the face hereof.

SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

ORIGINAL INVOICE

INVOICE NUMBER 25177

RECEIVED NOV 21 1995

SOLD TO
STEWART AND NUSS, INC.
P.O. BOX 886
FRESNO, CA 937140886

SHIPPING INFORMATION
CA
PINEDALE

TRUCK

DATE	INVOICE NO.	INVOICE DATE	S.J.R. CUSTOMER NO.	PRODUCT CODE
11/20/95	025177	11/21/95	19250	2440 PROCESS OIL 50

TICKET	API	CUT	QUANTITY	TYPE OF UNIT	QUANTITY	PRICE	AMOUNT
398813	25.0		53,550.00 LBS	BBL	169.35	23.9400	4,054.2
ENVIRONMENTAL FEES						.0970	16.4
TOTALS			53,550.00		169.35		

CALAVERAS MATERIALS INC.
FRESNO / MERCED
VENDOR ID: SanJoq S
APPROVED: BJ
CODED: SD PAY DATE: 12-20
GL ACCOUNT: 1020850309 4386.15
200 0002140 (320.36)

DUE ON 12/20/95

NON TAXABLE	
TAXABLE	4,070.6
SALES TAX	295.1
TOTAL AMOUNT DUE	4,365.7

If action is taken to enforce payment, customer agrees to pay reasonable attorney's fees and interest at Bank of America Prime plus 3% on delinquent amounts, but will not exceed the Federal Reserve Discount Rate plus 5%

For Resale ☐ Not For Resale ☑

Requisitioner Signature: Management Approval:

ORDER REC'D ________ DATE ________

SAN JOAQUIN REFINING CO., INC.
MAILING • P.O. BOX 5576 • BAKERSFIELD, CA 93388
STREET-STANDARD & SHELL ST. BAKERSFIELD, CA 93308
PHONE (805) 327-4257
REMITTANCE ADDRESS:
DEPT. 66015
EL MONTE, CA 91735-6015

DISCLAIMER OF IMPLIED WARRANTIES
There are no warranties which extend beyond the description on the face hereof.

SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

ORIGINAL INVOICE

INVOICE NUMBER 25534

RECEIVED

SOLD TO
STEWART AND NUSS, INC.
P.O. BOX 886
FRESNO, CA 937140886

SHIPPING INFORMATION
CA
PINEDALE

TRUCK

DATE	INVOICE NO.	INVOICE DATE	S.J.R. CUSTOMER NO.	PRODUCT CODE	
11/30/95	025534	12/01/95	19250	2440	PROCESS OIL 50

TICKET	API	CUT	QUANTITY	TYPE OF UNIT	QUANTITY	PRICE	AMOUNT
399217	25.1		53,570.00 LBS	BBL	169.51	23.9400	4,058.07
ENVIRONMENTAL FEES						4 3.0970	16.44
TOTALS			53,570.00		169.51		

CALAVERAS MATERIAL INC.
FRESNO / MERCED
VENDOR ID: SAN JOAQ
APPROVED: BJ
CODED: SB PAY DATE: 12-30
GL ACCOUNT: 10202505309 4390129
70000021400 30,38

DUE ON 12/30/95

NON TAXABLE	
TAXABLE	4,074.51
SALES TAX	295.40
TOTAL AMOUNT DUE	4,369.91

If action is taken to enforce payment, customer agrees to pay reasonable attorney's fees and interest at Bank of America prime plus 3% on delinquent amounts, but will not exceed the Federal Reserve Discount Rate plus 5%

For Resale ☐ Not For Resale ☑
Requisitioner Signature: Management Approval:

ORDER REC'D ______ DATE ______

SAN JOAQUIN REFINING CO., INC.
MAILING: P.O. BOX 5576 • BAKERSFIELD, CA. 93388
STREET: STANDARD & SHELL ST. BAKERSFIELD, CA. 93308
PHONE: (805) 327-4257
REMITTANCE ADDRESS:
DEPT. 66015
EL MONTE, CA 91735-6015

DISCLAIMER OF IMPLIED WARRANTIES

There are no warranties which extend beyond the description ~~on the face~~ hereof.

SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

ORIGINAL INVOICE

INVOICE NUMBER 25706

RECEIVED
DEC 08 1995

SOLD TO STEWART AND NUSS, INC.
P.O. BOX 886
FRESNO, CA 937140886

SHIPPING INFORMATION
CA
FINEDALE

TRUCK

DATE	INVOICE NO.	INVOICE DATE	S.J.R. CUSTOMER NO.	PRODUCT CODE	
12/05/95	025706	12/06/95	19250	2440	PROCESS OIL 50

TICKET	API	CUT	QUANTITY		TYPE OF UNIT	QUANTITY	PRICE	AMOUNT
399797	25.1		54,220.00	LBS	BBL	171.57	23.9400	4,107.39

CALAVERAS MATERIAL INC.
FRESNO / MERCED
VENDOR ID: SANJOAQ
APPROVED:
CODED: SB PAY DATE: 12-30 4443.65
GL ACCOUNT: 620 250 5309 .0970 16.64
700 000 2140 (20.62)

ENVIRONMENTAL FEES

TOTALS	54,220.00	171.57	NON TAXABLE
			TAXABLE 4,124.03
DUE ON 1/04/96			SALES TAX 299.00
			TOTAL AMOUNT DUE 4,423.03

If action is taken to enforce payment, customer agrees to pay reasonable attorney's fees and interest at Bank of America prime plus 3% on delinquent amounts, but will not exceed the Federal Reserve Discount Rate plus 5%

For Resale ☐ Not For Resale ☐

Requisitioner Signature: Management Approval:

ORDER REC'D _____ DATE _____

SAN JOAQUIN REFINING CO., INC.
MAILING • P.O. BOX 5576 • BAKERSFIELD, CA 93388
STREET-STANDARD & SHELL ST. BAKERSFIELD, CA 93308
PHONE (805) 327-4257
REMITTANCE ADDRESS:
DEPT. 66015
EL MONTE, CA 91735-6015

DISCLAIMER OF IMPLIED WARRANTIES

There are no warranties which extend beyond the description on the face hereof.

SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

ORIGINAL INVOICE

INVOICE NUMBER 25867

RECEIVED

DEC 12 1995

SOLD TO
STEWART AND NUSS, INC.
P.O. BOX 886
FRESNO, CA 937140886

SHIPPING INFORMATION
CA
PINEDALE

TRUCK

DATE	INVOICE NO.	INVOICE DATE	S.J.R. CUSTOMER NO.	PRODUCT CODE
12/07/95	025867	12/08/95	19250	2440 PROCESS OIL 50

TICKET	API	CUT	QUANTITY	TYPE OF UNIT	QUANTITY	PRICE	AMOUNT
400077	25.3		54,500.00 LBS	BBL	172.67	23.9400	4,133.72
ENVIRONMENTAL FEES						.0970	16.75
TOTALS			54,500.00		172.67	NON TAXABLE	
DUE ON 1/06/96						TAXABLE	4,150.47
						SALES TAX	300.90
						TOTAL AMOUNT DUE	4,451.37

CALAVERAS MATERIAL INC.
FRESNO / MERCED
VENDOR ID: SanJoa5
APPROVED: [illegible]
CODED: 53 PAY DATE: 12-30
GL ACCOUNT: 6200505309 4472.14
[illegible] 20.77

If action is taken to enforce payment, customer agrees to pay reasonable attorney's fees and interest at Bank of America prime plus 3% on delinquent amounts, but will not exceed the Federal Reserve Discount Rate plus 5%

For Resale ☐ Not For Resale ☒

Requisitioner Signature: [signature]

Management Approval:

ORDER REC'D ______ DATE ______

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

EMERGENCY CONTAC
805-327-4257

SAN JOAQUIN REFINING CO.—WEIGHMASTER

	BY / DEPUTY	DATE	ORIGIN	DESTINATION
GROSS WEIGHT	Jack Bennett	12/8/95	SJR	Pinedale
TARE WEIGHT	Jack Bennett	12/8/95	EQUIPMENT NO. 1336	EQUIPMENT NO. 3135
			LICENSE NO. 1P69610	LICENSE NO. 1UR4753

AN JOAQUIN REFINING CO., INC.
MAILING • P.O. BOX 5576 • BAKERSFIELD, CA. 93388
STREET-STANDARD & SHELL ST. BAKERSFIELD, CA. 93308
PHONE (805) 327-4257
REMITTANCE ADDRESS:
DEPT. 66015
EL MONTE, CA 91735-6015

DISCLAIMER OF IMPLIED WARRANTIES

There are no warranties which extend beyond the description on the face hereof.

SUBJECT TO TERMS AND CONDITIONS ON REVERSE SIDE

ORIGINAL INVOICE

INVOICE NUMBER 26528

RECEIVED

OLD TO
STEWART AND NUSS, INC.
P.O. BOX 886
FRESNO, CA 937140886

SHIPPING INFORMATION
CA
PINEDALE

TRUCK

DATE	INVOICE NO.	INVOICE DATE	S.J.R. CUSTOMER NO.	PRODUCT CODE
12/28/95	026528	12/29/95	19250	2440 PROCESS OIL 50

TICKET	API	CUT	QUANTITY	TYPE OF UNIT	QUANTITY	PRICE	AMOUNT
400980	25.0		55,210.00 LBS	BBL	174.60	23.9400	4,179.92
NVIRONMENTAL FEES						.0970	16.94
TOTALS			55,210.00		174.60	NON TAXABLE	
DUE ON 1/27/96						TAXABLE	4,196.86
						SALES TAX	304.27
						TOTAL AMOUNT DUE	4,501.13

CALAVERAS MATERIAL INC.
FRESNO / MERCED
VENDOR ID: SAN009 5
APPROVED: 83
CODED: SB PAY DATE: 1-20
GL ACCOUNT: 1020230 5309
700 000 2146

4522.12
(20.99)

action is taken to enforce payment, customer agrees to pay reasonable attorney's fees and interest at Bank of America ime plus 3% on delinquent amounts, but will not exceed the Federal Reserve Discount Rate plus 5%

For Resale ☐ Not For Resale ☐

Requisitioner Signature: KKoss

Management Approval:

ORDER REC'D ____________ DATE ____________

SILO Filling Throughput

April '96

SC800M	Total
801 tons	17,087 tons

% = 4.69%

May '96

SC800M	Total
752 tons	30,914 tons

% = 2.43%

June '96

SC800M	Total
684 tons	22,922 tons

% = 2.98%

July '96

SC800M	Total
489 tons	25,644 tons

% = 1.91%

4-month Average

$$\frac{4.69 + 2.43 + 2.98 + 1.91}{4} = 3.00\%$$

RECEIVED
MAY 05 1998
PERMIT SERVICES
SJVUAPCD

San Joaquin Valley Unified Air Pollution Control District

APPLICATION FOR:

[X] EMISSION REDUCTION CREDIT (ERC)
[ ] CONSOLIDATION OF ERC CERTIFICATES
[ ] ERC WITHDRAWL
[ ] ERC TRANSFER OF OWNERSHIP

1. **ERC TO BE ISSUED TO:** CALAVERAS MATERIALS INC.

2. **MAILING ADDRESS:**
Street/P.O. Box: 3451 WEST SHAW AVENUE
City: FRESNO State: CA Zip Code: 93711-3204

3. **LOCATION OF REDUCTION:** FACILITY ID 2006
Street: 1000 NEES AVENUE (AT INGRAM ON SAN JOAQUIN RIVER)
City: FRESNO, CA

4. **DATE OF REDUCTION:** DECEMBER 12, 1997

5. **PERMIT NO(S):** C-2006-1-0, C-2006-2-0 **EXISTING ERC NO(S):**

6. **METHOD RESULTING IN EMISSION REDUCTION:**
[X] SHUTDOWN [ ] RETROFIT [ ] PROCESS CHANGE [ ] OTHER
DESCRIPTION:
ASPHALT PLANT DECOMMISSIONED AND PREPARING TO DISMANTLE

(Use additional sheets if necessary)

7. **REQUESTED ERCs (In Pounds Per Calendar Quarter):**

	VOC	NOx	CO	PM10	SOx	OTHER
1ST QUARTER						
2ND QUARTER						
3RD QUARTER						
4TH QUARTER						

ERC Cert. C-2332-1 to -5

8. **SIGNATURE OF APPLICANT:** [signature] **TYPE OR PRINT TITLE OF APPLICANT:** SERVICES MANAGER

9. **TYPE OR PRINT NAME OF APPLICANT:** BURTON E. GILPIN **DATE:** 5/5/98 **TELEPHONE NO:** (209) 277-7060

FOR APCD USE ONLY:

DATE STAMP
RECEIVED
MAY 06 1998
FINANCE
SJVUAPCD

FILING FEE RECEIVED: $ 650.00, CK#60634
DATE PAID: RMS-5-98
PROJECT NO.: 980294 FACILITY ID.: 2006

RECEIVED

MAY 0 5 1998

PERMIT SERVICES
SJVUAPCD

San Joaquin Valley Unified Air Pollution Control District

APPLICATION FOR:

[X] EMISSION REDUCTION CREDIT (ERC) [ ] ERC WITHDRAWL
[ ] CONSOLIDATION OF ERC CERTIFICATES [ ] ERC TRANSFER OF OWNERSHIP

1. **ERC TO BE ISSUED TO:** CALAVERAS MATERIALS INC.

2. **MAILING ADDRESS:**
Street/P.O. Box: 3451 WEST SHAW AVENUE
City: FRESNO State: CA Zip Code: 93711-3204

3. **LOCATION OF REDUCTION:** FACILITY ID 2006
Street: 1000 NEES AVENUE (AT INGRAM ON SAN JOAQUIN RIVER)
City: FRESNO, CA

4. **DATE OF REDUCTION:** DECEMBER 12, 1997

5. **PERMIT NO(S):** C-2006-1-0, C-2006-2-0 **EXISTING ERC NO(S):**

6. **METHOD RESULTING IN EMISSION REDUCTION:**
[X] SHUTDOWN [ ] RETROFIT [ ] PROCESS CHANGE [ ] OTHER
DESCRIPTION:
ASPHALT PLANT DECOMMISSIONED AND PREPARING TO DISMANTLE

(Use additional sheets if necessary)

7. **REQUESTED ERCs (In Pounds Per Calendar Quarter):**

	VOC	NOx	CO	PM10	SOx	OTHER
1ST QUARTER						
2ND QUARTER						
3RD QUARTER						
4TH QUARTER						

8. **SIGNATURE OF APPLICANT:** [signature]

TYPE OR PRINT TITLE OF APPLICANT: SERVICES MANAGER

9. **TYPE OR PRINT NAME OF APPLICANT:** BURTON E. GILPIN

DATE: 5/5/98

TELEPHONE NO: (209) 277-7060

FOR APCD USE ONLY:

DATE STAMP

FILING FEE RECEIVED: $ 650.00 # 60634

DATE PAID: 5/5/98

PROJECT NO.: 980294 **FACILITY ID.:** 2006

CALAVERAS

Calaveras Materials Inc.
1022 Woodland Avenue
P. O. Box 3171
Modesto, CA 95353
Telephone: 209-523-5615
Facsimile: 209-521-1721

November 20, 1997

COPY

Mr. David Warner
Manager of Permit Services
San Joaquin Valley Unified Air Pollution Control District
1999 Toulumne Street, Suite 200
Fresno, CA 93721

RE: Annual Air Pollution Fee - Facility ID: 2006

Dear Mr. Warner:

On December 12, 1997 Calaveras Materials Inc. will cease operation of the Asphalt Batch Plant located at 1000 W. Nees Avenue, Fresno / Facility ID: 2006. In conjunction, we are requesting cancellation of permit numbers C-2006-1-0 and C-2006-2-0. The 1998 Air Pollution fees for this facility will not be submitted per your Invoice Number 30302 for this reason. A copy of the bill and statement is enclosed.

Please forward the necessary application forms to bank any Emission Reduction Credits resulting from this plant closure to:

Douglas S. Taylor, P.E.
Manager Technical Services
Calaveras Materials Inc.
P.O. Box 886
Fresno, CA 93714

Thank you for your assistance and cooperation in this matter.

Sincerely,

Brian M. Bleakney

Brian M. Bleakney
Operations Manager

cc: D. Taylor, Mgr. Tech. Services
D. Toews, Area Manager
Plant File

SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT
1999 Tuolumne Street, Suite 200
Fresno, CA 93721
(209) 497-1100
Taxpayer ID: 77-0262563

STEWART & NUSS, INC.
PO BOX 886
FRESNO, CA 93714

FACILTY ID: 2006
STEWART & NUSS, INC.
1000 W NEES AVE
FRESNO, CA 93711

Air Pollution fees are now due and payable for the yearly period ending December 31, 1998.

INVOICE NO:	30302
Due Date:	10/31/97
Delinquent Date:	12/30/97
Current fees due:	$ 1234.00
Previous Balance:	$ 0.00
TOTAL DUE	$ 1234.00

Enclosed is a detailed statement outlining the fees for each item.

A PENALTY OF 50% WILL BE ADDED IF NOT PAID BY 12/30/97

Please notify the San Joaquin Valley Unified Air Pollution Control District of any errors in this billing.

PLEASE RETURN A COPY OF THIS BILL ALONG WITH YOUR PAYMENT TO:

San Joaquin Valley Unified
Air Pollution Control District
1999 Tuolumne Street, Suite 200
Fresno, CA 93721

San Joaquin Valley
Unified Air Pollution Control District

PERMIT TO OPERATE

PERMIT NO: C-2006-1-0 **EXPIRATION DATE:** 12/31/97

LEGAL OWNER OR OPERATOR: STEWART & NUSS, INC.
MAILING ADDRESS: P.O. BOX 886
FRESNO, CA 93714

LOCATION: 1000 W. NESS AVENUE, FRESNO

EQUIPMENT DESCRIPTION:
ASPHALT BATCH PLANT CONSISTING OF 15.4 MMBTU/HR STANSTEEL CORP. ASPHALT PLANT STANDARD MODEL R-M6000, COLD FEED CONVEYOR, BUCKET ELEVATOR, MIXING TOWER, SCREEN AND BINS, SCALE HOPPER, PUG MILL MIXER TO INCLUDE TWO 200 TON ASPHALT STORAGE SILOS.

CONDITIONS

1 - All stockpiled sand, gravel aggregate, rock and other materials shall be maintained adequately moist to minimize emissions of fugitive particulate matter.

2 - No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is dark or darker than Ringelmann 1 or equivalent 20% opacity.

3 - No air contaminant shall be released into the atmosphere which causes a public nuisance.

4 - A record of daily fuel consumption shall be maintained, retained on the premises for a period of at least two years and made available for District inspection upon request.

This Permit to Operate remains valid through the permit expiration date listed above, subject to payment of annual permit fees and compliance with permit conditions and all applicable local, state, and federal regulations. This permit is valid only at the location specified above, and becomes void upon any transfer of ownership or location. Any modification of the equipment or operation, as defined in District Rule 2201, will require a new permit. This permit shall be posted as prescribed in District Rule 2010.

DAVID L. CROW

Executive Director/APCO

San Joaquin Valley
Unified Air Pollution Control District

PERMIT TO OPERATE

PERMIT NO: C-2006-2-0 **EXPIRATION DATE:** 12/31/97

LEGAL OWNER OR OPERATOR: STEWART & NUSS, INC.
MAILING ADDRESS: P.O. BOX 886
FRESNO, CA 93714

LOCATION: 1000 W. NESS AVENUE, FRESNO

EQUIPMENT DESCRIPTION:
2.0 MMBTU/HR HOT OIL HEATER MODEL HC-200, USED TO HEAT LIGHT OIL WHICH IS PUMPED THROUGH COILS IN LIQUID ASPHALT STORAGE TANKS TO MAINTAIN THE ASPHALT PUMPING VISCOSITY. RATING = 2.0 MMBTU/HR.

CONDITIONS

1 - A record of daily fuel consumption shall be maintained, retained on the premises for a period of at least two years and made available for District inspection upon request.

2 - All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere.

3 - No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is dark or darker than Ringelmann 1 or equivalent 20% opacity.

This Permit to Operate remains valid through the permit expiration date listed above, subject to payment of annual permit fees and compliance with permit conditions and all applicable local, state, and federal regulations. This permit is valid only at the location specified above, and becomes void upon any transfer of ownership or location. Any modification of the equipment or operation, as defined in District Rule 2201, will require a new permit. This permit shall be posted as prescribed in District Rule 2010.

DAVID L. CROW

Executive Director/APCO

Central Regional Office * 1999 Tuolumne, Suite 200 * Fresno, California 93721 * (209)497-1000 * FAX (209) 233-2203

BILLING DETAILED STATEMENT - STATEMENT DATE: 10/31/97

INVOICE NO: 30302

FACILITY ID: 2006 COMPANY NAME: STEWART & NUSS, INC. LOCATION: 1000 W NEES AVE

EQUIPMENT DESCRIPTION PERMIT NUMBER FEE DESCRIPTION OLD PERMIT NUMBER	FEE AMOUNT	QTY.	TOTAL FEES
ASPHALT BATCH PLANT CONSISTING OF 15.4 MMBTU/HR STANSTEEL CORP. ASPHALT PLANT STANDARD MODEL R-M6000, COLD FEED CONVEYOR, BUCKET ELEVATOR, MIXING TOWER, SCREEN AND BINS, SCALE HOPPER, PUG MILL MIXER TO INCLUDE TWO 200 TON ASPHALT STORAGE SILOS.			
C-2006-1-0 15.4 MMBTU/HR ASPHALT PLANT 2951-02-0101	$ 882.00	1	$ 882.00
2.0 MMBTU/HR HOT OIL HEATER MODEL HC-200, USED TO HEAT LIGHT OIL WHICH IS PUMPED THROUGH COILS IN LIQUID ASPHALT STORAGE TANKS TO MAINTAIN THE ASPHALT PUMPING VISCOSITY. RATING = 2.0 MMBTU/HR.			
C-2006-2-0 2.0 MMBTU/HR HOT OIL HEATER 2951-02-0103	$ 352.00	1	$ 352.00

Calaveras Materials Inc.
3451 West Shaw Ave.
Fresno, CA 93711-3204
Telephone: 209-277-7060
Facsimile: 209-277-7134

May 5, 1998

Mr. Jovencio N. Refuerzo
San Joaquin Valley Unified Air Pollution Control District
1999 Tuolumne Street, Suite 200
Fresno, California 93721

Re: Application for Emission Reduction Credit
Facility ID 2006; Permits C-2006-1-0 and C-2006-2-0
Calaveras Materials Inc.
Former Asphalt Batch Plant
1000 West Nees Avenue (at Ingram Avenue on the San Joaquin River)
Fresno, California

Dear Mr. Refuerzo:

Attached is the Application for Emission Reduction Credit (ERC) that we discussed this morning, with an application fee of $650. Also attached for your information is our letter dated November 20, 1997 indicating that the subject facility would be shutdown on December 12, 1997; and information pertaining to fuel consumption and asphalt production at the facility over the past five years.

Based on our discussions, you will complete section 7 of the application based on the information we are providing. Also, we understand that once the credits are issued, we may elect to apply them at a location where we determine most appropriate, with conditions applied to the ratio at which they are transferable.

I look forward to discussing the details of the application with you this week. If you have any immediate questions or concerns, please call me at your earliest convenience at (209) 277-7060.

Sincerely,
Calaveras Materials Inc.

Burton E. Gilpin
Services Manager

enclosures

cc: D. Taylor, CMI
B. Bleakney, CMI
D. Toews, CMI

0505APCD.DOC

SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT FEES

FACILITY I.D. # C-2006
PROJECT #980284

Calaveras Materials, Inc.
3451 West Shaw Avenue
Fresno, CA 93711-3204

BILLING FOR: Change of Name

BILLING DATE: 10/30/98

TOTAL FEES	$	20.00
LESS AMOUNT PAID	$	0.00
BALANCE DUE	$	20.00

THE ABOVE TOTAL IS BASED ON THE FOLLOWING ITEMIZED LISTING:

PERMIT UNIT	FEE	DESCRIPTION
C-2006	*20.00*	Change of Name

PLEASE RETURN A COPY OF THIS BILL WITH THE AMOUNT DUE WITHIN 30 DAYS TO:

San Joaquin Valley Unified APCD
1999 Tuolumne Street, Suite 200
Fresno, CA 93721

Attention: Mr. Errol Villegas

RECEIVED
NOV 24 1998
FINANCE
SJVUAPCD

BC

pm 11-19-98
980284
ck# 28512
1120
ck tot 1813.56

Calaveras Materials Inc.
3451 West Shaw Ave.
Fresno, CA 93711-3204
Telephone: 209-277-7060
Facsimile: 209-277-7134

November 2, 1998

Mr. Errol Villegas
San Joaquin Valley Unified Air Pollution Control District
1999 Tuolumne Street, Suite 200
Fresno, California 93721

Re: Change of Name
Facility ID C-2006
Calaveras Materials Inc.
Former Stewart & Nuss, Inc.
1000 West Nees Avenue (at Ingram Avenue on the San Joaquin River)
Fresno, California

Dear Mr. Villegas:

To facilitate processing of Emissions Reduction Credits (ERCs), please change the name on permits associated with the **former** Stewart & Nuss asphalt batch plant located at 1000 West Nees Avenue, Pinedale; Facility ID C-2006 and C-2007, respectively. The new name, mailing address and contact person follows:

Calaveras Materials Inc.
3451 West Shaw Avenue
Fresno, CA 93711-3204
Contact Person: Burton Gilpin, (209) 277-7060

Included with this request is a check in the amount of $20 to make the name change. If you have any further questions, please call me at your earliest convenience at (209) 277-7060.

Sincerely,
Calaveras Materials Inc.

Burton E. Gilpin
Services Manager

enclosure

1102APCD.DOC

San Joaquin Valley
Unified Air Pollution Control District

FILE

Fax Transmittal (3rd Floor)

1999 Tuolumne Street, Suite 200
Fresno, California 93721
Phone (209) 497-1100 Fax (209) 233-2203

Date : 10/29/98

To : Burton Gilpin **Fax Number :** (209) 277-7134

From : Errol Villegas **Number of pages (including cover sheet):** 2

Description : Requesting Letter for Name Change : from Stewart+Nuss, Inc. to Calaveras Materials, Inc. (Billing Memo attached)

- ☐ Per Your Request
- ☐ Per Our Conversation
- ☒ Take Appropriate Action
- ☐ Please Answer
- ☐ For Your Information
- ☐ For Your Approval
- ☐ Review & Comment
- ☐ Review & Return

☐ Original transmittal will follow via mail

Remarks / Response :

FILE

SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT FEES

FACILITY I.D. # C-2006
PROJECT #980284

Calaveras Materials, Inc.
3451 West Shaw Avenue
Fresno, CA 93711-3204

BILLING FOR: Change of Name

BILLING DATE: 10/30/98

TOTAL FEES	$	20.00
LESS AMOUNT PAID	$	0.00
BALANCE DUE	$	20.00

THE ABOVE TOTAL IS BASED ON THE FOLLOWING ITEMIZED LISTING:

PERMIT UNIT	FEE	DESCRIPTION
C-2006	*20.00*	Change of Name

PLEASE RETURN A COPY OF THIS BILL WITH THE AMOUNT DUE WITHIN 30 DAYS TO:

San Joaquin Valley Unified APCD
1999 Tuolumne Street, Suite 200
Fresno, CA 93721

Attention: Mr. Errol Villegas

San Joaquin Valley
Air Pollution Control District

...leading the way to a clearer future

Fax Transmittal

1990 E. Gettysburg Avenue
Fresno, California 93726-0244
Phone (559) 230-6000
Fax (559) 230-6061

Errol Villegas
Air Quality Engineer
errol.villegas@valleyair.org

Date : 5/31/01

To : Burt Gilpin **Fax Number :** 277-7134

From : Errol Villegas **Number of pages (including cover sheet):** 3

Description : Here's the letter we sent a few months back. If you can gather the information I would really appreciate it.

- ☐ Per Your Request
- ☒ Per Our Conversation
- ☐ Take Appropriate Action
- ☐ Please Answer
- ☐ For Your Information
- ☐ For Your Approval
- ☐ Review & Comment
- ☐ Review & Return
- ☐ Original transmittal will follow via mail

Remarks / Response : If you have any questions, call me at (559) 230-5906.

P. 01

TRANSACTION REPORT

MAY-31-01 THU 14:51

SEND(M)

DATE	START	RECEIVER	TX TIME	PAGES	TYPE	NOTE	M#	DP
MAY-31	14:50	92777134	55″	3	SEND	(M) OK	088	

TOTAL 55S PAGES: 3

San Joaquin Valley
Air Pollution Control District

...leading the way to a clearer future

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1990 E. Gettysburg Avenue
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Errol Villegas
Air Quality Engineer
errol.villegas@valleyair.org

Date : 5/31/01

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Description : Here's the letter we sent a few months back. If you can gather the information I would really appreciate it.

☐ Per Your Request ☐ For Your Information

☑ ☐

BC