EXHIBITS

for

SANTA BARBARA COUNTY APCD

HEARING BOARD CASE 2021-01-RE

LIST OF EXHIBITS FOR HB CASE 2021-01-RE

Exhibit 1	-	Summary of Invoice Dates and Amounts
Exhibit 2a	-	AQAP. Invoice # 53847
Exhibit 2b	-	AQAP. 30-Day Past Due Notice
Exhibit 2c	-	AQAP. 60-Day Past Due Notice
Exhibit 2d	-	AQAP. 90-Day Past Due Notice
Exhibit 2e	-	AQAP. 120-Day Past Due Notice
Exhibit 2f	-	AQAP. 150-Day Past Due Notice
Exhibit 2g	-	AQAP. 180-Day Past Due Notice
Exhibit 3a	-	LAEF. Invoice # 55758
Exhibit 3b	-	LAEF. 30-Day Past Due Notice
Exhibit 3c	-	LAEF. 60-Day Past Due Notice
Exhibit 3d	-	LAEF. 90-Day Past Due Notice
Exhibit 3e	-	LAEF. 120-Day Past Due Notice
Exhibit 4a	-	Source Test Fees. Invoice # 53823
Exhibit 4b	-	Source Test Fees. 30-Day Past Due Notice
Exhibit 4c	-	Source Test Fees. 60-Day Past Due Notice
Exhibit 4d	-	Source Test Fees. 90-Day Past Due Notice
Exhibit 4e	-	Source Test Fees. 120-Day Past Due Notice
Exhibit 4f	-	Source Test Fees. 150-Day Past Due Notice
Exhibit 5a	-	AB2588 Fees. Invoice # 54326
Exhibit 5b	-	AB2588 Fees. 30-Day Past Due Notice
Exhibit 5c	-	AB2588 Fees. 60-Day Past Due Notice
Exhibit 5d	-	AB2588 Fees. 90-Day Past Due Notice
Exhibit 5e	-	AB2588 Fees. 120-Day Past Due Notice
Exhibit 5f	-	AB2588 Fees. 150-Day Past Due Notice
Exhibit 6a	-	Julio Corona (CAP) April 22, 2020 E-Mail
Exhibit 6b	-	Gerardo De Los Santos (APCD) April 22, 2020 E-Mail
Exhibit 6c	-	Gerardo De Los Santos (APCD) June 1, 2020 E-Mail
Exhibit 6d	-	Gerardo De Los Santos (APCD) June 8, 2020 E-Mail
Exhibit 6e	-	Gerardo De Los Santos (APCD) June 25, 2020 E-Mail
Exhibit 6f	-	Gerardo De Los Santos (APCD) October 22, 2020 E-Mail
Exhibit 6g	-	David Harris (APCD) October 29, 2020 E-Mail
Exhibit 6h	-	Gerardo De Los Santos (APCD) November 23, 2020 E-Mail
Exhibit 6i	-	Gerardo De Los Santos (APCD) December 23, 2020 E-Mail
Exhibit 6j	-	Julio Corona (HELT) December 27, 2020 E-Mail
Exhibit 6k	-	David Harris (APCD) January 4, 2021 E-Mail and Letter
Exhibit 7a	-	Permit to Operate 8259-R11
Exhibit 7b	-	Permit to Operate 11651-R4
Exhibit 7c	-	Permit to Operate 15241
Exhibit 7d	-	Permit to Operate 15361
Exhibit 7e	-	Authority to Construct 15342
Exhibit 8	-	Return to Sender Not Deliverable As Addressed

EXHIBIT 1

Summary of Invoice Dates and Amounts

air pollution control district
SANTA BARBARA COUNTY

260 N San Antonio Road
Suite A
Santa Barbara, CA 93110
Phone: 805-961-8891

ACCOUNT STATEMENT

Billed To:
California Asphalt Production Inc.
Julio Corona
PO Box 1220
Santa Maria, CA 93456

DATE: 12/23/2020
TOTAL DUE: $21,135.80

CUSTOMER ACCOUNT # : 110655

Date	Type	Number	Due	Description	Amount	Payments	Balance
1/6/2020	I	INV03375	2/6/2020	AQAP - 53847	1,137.35	0.00	1,137.35
1/31/2020	I	INV03666	3/1/2020	Source Test 12277, 12279, 21569, 21570 - 53823	7,540.28	0.00	7,540.28
2/13/2020	I	INV04037	3/13/2020	AB2588 Air Toxics Hot Spots - 54326	134.00	0.00	134.00
3/10/2020	I	INV04240	4/10/2020	53847- 60	113.73	0.00	113.73
4/9/2020	I	INV04380	5/9/2020	53823- 60	754.02	0.00	754.02
4/14/2020	I	INV04393	5/14/2020	53847- 90	113.73	0.00	113.73
4/14/2020	I	INV04400	5/14/2020	54326- 60	13.40	0.00	13.40
5/19/2020	I	INV04695	6/19/2020	LAEF - 55758	6,681.42	0.00	6,681.42
10/22/2020	I	INV05184	11/22/2020	53823- 90	754.02	0.00	754.02
10/22/2020	I	INV05185	11/22/2020	53847- 120	113.73	0.00	113.73
10/22/2020	I	INV05186	11/22/2020	54326- 90	13.40	0.00	13.40
10/22/2020	I	INV05187	11/22/2020	55758- 60	668.14	0.00	668.14
11/23/2020	I	INV05279	12/23/2020	53823- 120	754.02	0.00	754.02
11/23/2020	I	INV05280	12/23/2020	54326- 120	13.40	0.00	13.40
11/23/2020	I	INV05281	12/23/2020	53847- 150	113.73	0.00	113.73
11/23/2020	I	INV05282	12/23/2020	55758- 90	668.14	0.00	668.14
12/23/2020	I	INV05530	1/23/2021	53823- 150	754.02	0.00	754.02
12/23/2020	I	INV05531	1/23/2021	54326- 150	13.40	0.00	13.40
12/23/2020	I	INV05532	1/23/2021	53847- 180	113.73	0.00	113.73
12/23/2020	I	INV05533	1/23/2021	55758- 120	668.14	0.00	668.14

Current	30-60	60-90	90-120	>120	Unapplied Credits	Balance
3,098.58	0.00	1,549.29	0.00	16,487.93	0.00	$21,135.80

For questions, contact Gerardo De Los Santos at 805-961-8823

REMIT TO:

Santa Barbara County
Air Pollution Control District
260 N San Antonio Road, Suite A
Santa Barbara, CA 93110

Customer Number: 110655
Total Due: $21,135.80

Please return this portion with your remittance.
Thank you!

EXHIBIT 2a

AQAP Invoice # 53847

INV03375

apcd
SANTA BARBARA COUNTY

260 North San Antonio Rd Suite A
Santa Barbara, CA 93110-1315

Invoice:53847
Date:1/6/2020
Terms:Net 30 Days
SBCAPCD Tax ID #77-0384167

INVOICE

Bill To:
California Asphalt Production, Inc.
PO Box 1220
Santa Maria, CA 93456
Attention: Mr. Julio Corona

Company No.:110655
Billing Type:AQAP Fee
Billing Period:FY 2020
Project No.:N/A
Facility/Permit No.:N/A
Vendor No.:N/A

SSID/Description	ROG/NOx	Total	Rate	Total
04640/Santa Maria Asphalt Refinery	17.74/2.21	20.0	$57.01	$1,137.35
	Subtotal			$1,137.35

Total Due: $1,137.35

The revenue generated from the AQAP Fee covers the fiscal year costs incurred from mandated state and federal clean air planning.
The AQAP fee is calculated by multiplying the total tons of NOx and ROG emissions for a stationary source by the appropriate unit rate, described in Rule 210, Schedule B-1.
1) The AQAP Fee is assessed to each stationary source according to Rule 210.I.F2.a.1 and is based on the maximum permitted emissions of NOx and ROG. These permitted emission values will only be used for this AQAP fee invoice and not for any other purpose.
2) The AQAP Fee is assessed to each stationary source according to Rule 210.I.F, Schedule B-1. and is based on the source's calendar year actual emissions of NOx and ROG.

REMIT PAYMENTS TO THE ADDRESS ABOVE

Please indicate invoice number 53847 on your remittance.

IF YOU HAVE ANY QUESTIONS REGARDING YOUR INVOICE PLEASE CALL Billing at (805) 961-8800

The APCD charges $25.00 for returned checks. Other Penalties/fees may be incurred as a result of returned checks (see District Rule 210).

EXHIBIT 2b

AQAP 30-Day Past Due Notice

apcd air pollution control district
SANTA BARBARA COUNTY

Via Certified Mail 9171 9690 0935 0237 6562 51
Return Receipt Requested

February 10, 2020

Julio Corona
California Asphalt Production, Inc.
PO Box 1220
Santa Maria, CA 93456

RE: 30 Day Late Notice for Invoice #53847
Amount Overdue: $1,137.35

Dear Mr. Julio Corona,

Pursuant to District Rule 210.V.A.2 (see below), we are providing you written notification that the following Invoice is now 30 days overdue:

- Invoice 53847 January 6, 2020 Amount: $1,137.35

In order to avoid penalty fees, please promptly pay the amount overdue that is noted above. At Day 60 we will assess a 10% penalty fee. We accept checks and phone payments made with a Visa or MasterCard. Please contact me at (805) 961-8823 or via email at DeLosSantosG@sbcapcd.org if you have any questions regarding this past due invoice.

Sincerely,

Gerardo De Los Santos
Accounting Technician

Rule 210.V.A.2

Penalty for Nonpayment of Fees Other Than Cost Reimbursement. If payment is not received within thirty (30) calendar days after the invoice date, the Air Pollution Control Officer shall promptly notify the person subject to the fee in writing that the payment is overdue and a penalty shall be imposed if payment is not received within sixty (60) calendar days of the invoice date. The penalty shall be ten (10) percent of the fee initially invoiced for each thirty (30) calendar day period or portion thereof, that the payment is overdue and the Air Pollution Control Officer may initiate action to revoke the permit. For fees mandated by Health and Safety Code Section 44300 et. seq.

EXHIBIT 2c

AQAP 60-Day Past Due Notice

air pollution control district
SANTA BARBARA COUNTY

260 N San Antonio Road
Suite A
Santa Barbara, CA 93110
Phone: 805-961-8891

INVOICE

Billed To:
California Asphalt Production Inc.
Julio Corona
PO Box 1220
Santa Maria, CA 93456

DATE: 3/10/2020
INVOICE #: INV04240
DUE DATE: 4/10/2020
TOTAL DUE: 113.73

CUSTOMER ACCOUNT # : 110655

ITEM DESCRIPTION	UNITS	PRICE	AMOUNT
AQAP- 53847- 60	1.00	113.73	113.73
TOTAL THIS INVOICE			**113.73**

For questions, contact Gerardo De Los Santos 805-961-8823
REMIT TO:

Santa Barbara County
Air Pollution Control District
260 N San Antonio Road Suite A
Santa Barbara, CA 93110

A copy of this invoice should accompany your check. Thank you!

apcd air pollution control district
SANTA BARBARA COUNTY

Via Certified Mail
Return Receipt Requested

9171 9690 0935 0234 0751 92

March 10, 2020

Julio Corona
California Asphalt Production, Inc.
PO Box 1220
Santa Maria, CA 93456

RE: 60 Day Late Notice and 10% Penalty for Invoice #53847
Amount Overdue: $1,251.08

Dear Julio Corona,

Pursuant to District Rule 210.V.A.2 (see below), we are providing you written notification that the following Invoice(s) is now 60 days overdue and that you have been assessed a 10% late penalty fee:

- Invoice 53847 January 6, 2020 Amount: $1,137.35
- 60 Day Penalty March 10, 2020 Amount: $113.73

In order to avoid additional penalty fees in, please promptly pay the amount overdue that is noted above. Every 30 days, we will assess an additional 10% penalty fee. We accept checks and phone payments made with a Visa or MasterCard. Please contact me at (805) 961-8823 or via email at DeLosSantosG@sbcapcd.org if you have any questions regarding this past due invoice(s) and penalty fee(s).

Sincerely,

Gerardo De Los Santos
Accounting Technician

Rule 210.V.A.2

Penalty for Nonpayment of Fees Other Than Cost Reimbursement. If payment is not received within thirty (30) calendar days after the invoice date, the Air Pollution Control Officer shall promptly notify the person subject to the fee in writing that the payment is overdue and a penalty shall be imposed if payment is not received within sixty (60) calendar days of the invoice date. The penalty shall be ten (10) percent of the fee initially invoiced for each thirty (30) calendar day period or portion thereof, that the payment is overdue and the Air Pollution Control Officer may initiate action to revoke the permit. For fees mandated by Health and Safety Code Section 44300 et. seq.

EXHIBIT 2d

AQAP 90-Day Past Due Notice

air pollution control district
SANTA BARBARA COUNTY

260 N San Antonio Road
Suite A
Santa Barbara, CA 93110
Phone: 805-961-8891

INVOICE

Billed To:
California Asphalt Production Inc.
Julio Corona
PO Box 1220
Santa Maria, CA 93456

DATE: 4/14/2020
INVOICE #: INV04393
DUE DATE: 5/14/2020
TOTAL DUE: 113.73

CUSTOMER ACCOUNT # : 110655

ITEM DESCRIPTION	UNITS	PRICE	AMOUNT
AQAP- 53847- 90	1.00	113.73	113.73
TOTAL THIS INVOICE			**113.73**

For questions, contact Gerardo De Los Santos 805-961-8823

REMIT TO:

Santa Barbara County
Air Pollution Control District
260 N San Antonio Road Suite A
Santa Barbara, CA 93110

A copy of this invoice should accompany your check. Thank you!

apcd air pollution control district
SANTA BARBARA COUNTY

Via Certified Mail
Return Receipt Requested

9171 9690 0935 0247 0993 38

April 14, 2020

Julio Corona
California Asphalt Production, Inc.
PO Box 1220
Santa Maria, CA 93456

RE: 60 Day Late Notice and 10% Penalty for Invoice #53847
Amount Overdue: $1,364.81

Dear Julio Corona,

Pursuant to District Rule 210.V.A.2 (see below), we are providing you written notification that the following Invoice(s) is now 90 days overdue and that you have been assessed a 10% late penalty fee:

- Invoice 53847 January 6, 2020 Amount: $1,137.35
- 60 Day Penalty March 10, 2020 Amount: $113.73
- 90 Day Penalty April 14, 2020 Amount: $113.73

In order to avoid additional penalty fees in, please promptly pay the amount overdue that is noted above. Every 30 days, we will assess an additional 10% penalty fee. We accept checks and phone payments made with a Visa or MasterCard. Please contact me at (805) 961-8823 or via email at DeLosSantosG@sbcapcd.org if you have any questions regarding this past due invoice(s) and penalty fee(s).

Sincerely,

Gerardo De Los Santos

Gerardo De Los Santos
Accounting Technician

Rule 210.V.A.2

Penalty for Nonpayment of Fees Other Than Cost Reimbursement. If payment is not received within thirty (30) calendar days after the invoice date, the Air Pollution Control Officer shall promptly notify the person subject to the fee in writing that the payment is overdue and a penalty shall be imposed if payment is not received within sixty (60) calendar days of the invoice date. The penalty shall be ten (10) percent of the fee initially invoiced for each thirty (30) calendar day period or portion thereof, that the payment is overdue and the Air Pollution Control Officer may initiate action to revoke the permit. For fees mandated by Health and Safety Code Section 44300 et. seq.

EXHIBIT 2e

AQAP 120-Day Past Due Notice

air pollution control district
SANTA BARBARA COUNTY

260 N San Antonio Road
Suite A
Santa Barbara, CA 93110
Phone: 805-961-8891

INVOICE

Billed To:
California Asphalt Production Inc.
Julio Corona
PO Box 1220
Santa Maria, CA 93456

DATE: 10/22/2020
INVOICE #: INV05185
DUE DATE: 11/22/2020
TOTAL DUE: 113.73

CUSTOMER ACCOUNT # : 110655

ITEM DESCRIPTION	UNITS	PRICE	AMOUNT
AQAP- 53847- 120	1.00	113.73	113.73
TOTAL THIS INVOICE			**113.73**

For questions, contact Gerardo De Los Santos 805-961-8823

REMIT TO:

Santa Barbara County
Air Pollution Control District
260 N San Antonio Road Suite A
Santa Barbara, CA 93110

A copy of this invoice should accompany your check. Thank you!

apcd air pollution control district
SANTA BARBARA COUNTY

Via Certified Mail
Return Receipt Requested

October 22, 2020

Mr. Julio Corona
California Asphalt Production, Inc.
PO Box 1220
Santa Maria, CA 93456

RE: Payment Plan Default Notice/120 Day Late Notice and 10% Penalty for Invoice #53847
Amount Overdue: $1,478.54

Dear Julio Corona,

Notice is hereby given that California Asphalt Production, Inc. has defaulted in the payment plan arrangement requested on April 22, 2020. The entire amount is now past due. The District will resume assessing penalty fees on the balance. Please submit payment for all outstanding invoices and penalty fees.

Pursuant to District Rule 210.V.A.2 (see below), we are providing you written notification that the following Invoice(s) is now 120 days overdue and that you have been assessed a 10% late penalty fee:

- Invoice 53847 January 6, 2020 Amount: $1,137.35
- 60 Day Penalty March 10, 2020 Amount: $113.73
- 90 Day Penalty April 14, 2020 Amount: $113.73
- 120 Day Penalty October 22, 2020 Amount: $113.73

In order to avoid additional penalty fees in, please promptly pay the amount overdue that is noted above. Every 30 days, we will assess an additional 10% penalty fee. We accept checks and phone payments made with a Visa or MasterCard. Please contact me at (805) 961-8823 or via email at DeLosSantosG@sbcapcd.org if you have any questions regarding this past due invoice(s) and penalty fee(s).

Sincerely,

Gerardo De Los Santos

Gerardo De Los Santos
Accounting Technician

Rule 210.V.A.2

Penalty for Nonpayment of Fees Other Than Cost Reimbursement. If payment is not received within thirty (30) calendar days after the invoice date, the Air Pollution Control Officer shall promptly notify the person subject to the fee in writing that the payment is overdue and a penalty shall be imposed if payment is not received within sixty (60) calendar days of the invoice date. The penalty shall be ten (10) percent of the fee initially invoiced for each thirty (30) calendar day period or portion thereof, that the payment is overdue and the Air Pollution Control Officer may initiate action to revoke the permit. For fees mandated by Health and Safety Code Section 44300 et. seq.

EXHIBIT 2f

AQAP 150-Day Past Due Notice

air pollution control district
SANTA BARBARA COUNTY

260 N San Antonio Road
Suite A
Santa Barbara, CA 93110
Phone: 805-961-8891

INVOICE

Billed To:
California Asphalt Production Inc.
Julio Corona
PO Box 1220
Santa Maria, CA 93456

DATE: 11/23/2020
INVOICE #: INV05281
DUE DATE: 12/23/2020
TOTAL DUE: 113.73

CUSTOMER ACCOUNT # : 110655

ITEM DESCRIPTION	UNITS	PRICE	AMOUNT
AQAP- 53847- 150	1.00	113.73	113.73
TOTAL THIS INVOICE			**113.73**

For questions, contact Gerardo De Los Santos 805-961-8823

REMIT TO:

Santa Barbara County
Air Pollution Control District
260 N San Antonio Road, Suite A
Santa Barbara, CA 93110

A copy of this invoice should accompany your check. Thank you!

apcd air pollution control district
SANTA BARBARA COUNTY

Via Certified Mail
Return Receipt Requested 9171 9690 0935 0250 8977 54

November 23, 2020

Mr. Julio Corona
California Asphalt Production, Inc.
PO Box 1220
Santa Maria, CA 93456

RE: Payment Plan Default Notice/150 Day Late Notice and 10% Penalty for Invoice #53847
Amount Overdue: $1,592.27

Dear Julio Corona,

Notice is hereby given that California Asphalt Production, Inc. has defaulted in the payment plan arrangement requested on April 22, 2020. The entire amount is now past due. The District resumed assessing penalty fees on October 22, 2020. Please submit payment for all outstanding invoices and penalty fees.

Pursuant to District Rule 210.V.A.2 (see below), we are providing you written notification that the following Invoice(s) is now 150 days overdue and that you have been assessed a 10% late penalty fee:

- Invoice 53847 January 6, 2020 Amount: $1,137.35
- 60 Day Penalty March 10, 2020 Amount: $113.73
- 90 Day Penalty April 14, 2020 Amount: $113.73
- 120 Day Penalty October 22, 2020 Amount: $113.73
- 150 Day Penalty November 23, 2020 Amount: $113.73

In order to avoid additional penalty fees in, please promptly pay the amount overdue that is noted above. Every 30 days, we will assess an additional 10% penalty fee. We accept checks and phone payments made with a Visa or MasterCard. Please contact me at (805) 961-8823 or via email at DeLosSantosG@sbcapcd.org if you have any questions regarding this past due invoice(s) and penalty fee(s).

Sincerely,

Gerardo De Los Santos

Gerardo De Los Santos
Accounting Technician

Rule 210.V.A.2

Penalty for Nonpayment of Fees Other Than Cost Reimbursement. If payment is not received within thirty (30) calendar days after the invoice date, the Air Pollution Control Officer shall promptly notify the person subject to the fee in writing that the payment is overdue and a penalty shall be imposed if payment is not received within sixty (60) calendar days of the invoice date. The penalty shall be ten (10) percent of the fee initially invoiced for each thirty (30) calendar day period or portion thereof, that the payment is overdue and the Air Pollution Control Officer may initiate action to revoke the permit. For fees mandated by Health and Safety Code Section 44300 et. seq.

EXHIBIT 2g

AQAP 180-Day Past Due Notice

apcd air pollution control district
SANTA BARBARA COUNTY

Via Certified Mail
Return Receipt Requested

December 23, 2020

Mr. Julio Corona
California Asphalt Production, Inc.
PO Box 1220
Santa Maria, CA 93456

RE: 180 Day Late Notice and 10% Penalty for Invoice #53847
Amount Overdue: $1,706.00

Dear Julio Corona,

Pursuant to District Rule 210.V.A.2 (see below), we are providing you written notification that the following Invoice(s) is now 180 days overdue and that you have been assessed a 10% late penalty fee:

- Invoice 53847 January 6, 2020 Amount: $1,137.35
- 60 Day Penalty March 10, 2020 Amount: $113.73
- 90 Day Penalty April 14, 2020 Amount: $113.73
- 120 Day Penalty October 22, 2020 Amount: $113.73
- 150 Day Penalty November 23, 2020 Amount: $113.73
- 180 Day Penalty December 23, 2020 Amount: $113.73

In order to avoid additional penalty fees in, please promptly pay the amount overdue that is noted above. Every 30 days, we will assess an additional 10% penalty fee. We accept checks and phone payments made with a Visa or MasterCard. Please contact me at (805) 961-8823 or via email at DeLosSantosG@sbcapcd.org if you have any questions regarding this past due invoice(s) and penalty fee(s).

WARNING: Your permit is at risk of being revoked by the District Hearing Board due to nonpayment of the above listed fee unless the original invoice fee and accrued penalty fees are paid in full.

Sincerely,

Gerardo De Los Santos

Gerardo De Los Santos
Accounting Technician

Rule 210.V.A.2

Penalty for Nonpayment of Fees Other Than Cost Reimbursement. If payment is not received within thirty (30) calendar days after the invoice date, the Air Pollution Control Officer shall promptly notify the person subject to the fee in writing that the payment is overdue and a penalty shall be imposed if payment is not received within sixty (60) calendar days of the invoice date. The penalty shall be ten (10) percent of the fee initially invoiced for each thirty (30) calendar day period or portion thereof, that the payment is overdue and the Air Pollution Control Officer may initiate action to revoke the permit. For fees mandated by Health and Safety Code Section 44300 et. seq.

---

air pollution control district
SANTA BARBARA COUNTY

260 N San Antonio Road
Suite A
Santa Barbara, CA 93110
Phone: 805-961-8891

INVOICE

Billed To:
California Asphalt Production Inc.
Julio Corona
PO Box 1220
Santa Maria, CA 93456

DATE: 12/23/2020
INVOICE #: INV05532
DUE DATE: 1/23/2021
TOTAL DUE: 113.73

CUSTOMER ACCOUNT # : 110655

ITEM DESCRIPTION	UNITS	PRICE	AMOUNT
AQAP- 53847- 180	1.00	113.73	113.73
TOTAL THIS INVOICE			**113.73**

For questions, contact Gerardo De Los Santos 805-961-8823

REMIT TO:
Santa Barbara County
Air Pollution Control District
260 N San Antonio Road, Suite A
Santa Barbara, CA 93110

A copy of this invoice should accompany your check. Thank you!

EXHIBIT 3a

LAEF Invoice # 55758

INV 04695

air pollution control district
SANTA BARBARA COUNTY

260 North San Antonio Rd Suite A
Santa Barbara, CA 93110-1315

Invoice:55758
Date:5/19/2020
Terms:Net 30 Days
SBCAPCD Tax ID #77-0384167

INVOICE

Bill To:

California Asphalt Production, Inc.
PO Box 1220
Santa Maria, CA 93456
Attention: Mr. Julio Corona

Company No.:110655
Billing Type:AEF
Billing Period:FY 19 - 20
Project No.:410001
Facility/Permit No.:
Vendor No.:N/A

Annual Emission Fee:

Description	Total
Stationary Source: 04640 Facility: Santa Maria Asphalt Refinery	$6,681.42
	$6,681.42

Total Due: $6,681.42

(The Annual Emission Fee and Air Toxic Program fees are authorized by SBCAPCD Rule 210.I.H, Schedules B-2 and B-3. These fees are applicable to all stationary sources with an active SBCAPCD permit and is based on the source's calendar year actual emissions

REMIT PAYMENTS TO THE ADDRESS ABOVE

Please indicate invoice number 55758 on your remittance.

IF YOU HAVE ANY QUESTIONS REGARDING YOUR INVOICE PLEASE CALL Billing at (805) 961-8800

The APCD charges $25.00 for returned checks. Other Penalties/fees may be incurred as a result of returned checks (see District Rule 210).

EXHIBIT 3b

LAEF 30-Day Past Due Notice

air pollution control district
SANTA BARBARA COUNTY

9171 9690 0935 0247 1815 52

Via Certified Mail
Return Receipt Requested

June 25, 2020

Julio Corona
California Asphalt Production, Inc.
PO Box 1220
Santa Maria, CA 93456

RE: 30 Day Late Notice for Invoice # 55758
Amount Overdue: $6,681.42

Dear Julio Corona,

Pursuant to District Rule 210.V.A.2 (see below), we are providing you written notification that the following Invoice is now 30 days overdue:

- Invoice #55758 May 19, 2020 Amount: $6,681.42

In order to avoid penalty fees, please promptly pay the amount overdue that is noted above. At Day 60 we will assess a 10% penalty fee. We accept checks and phone payments made with a Visa or MasterCard. Please contact me at (805) 961-8823 or via email at DeLosSantosG@sbcapcd.org if you have any questions regarding this past due invoice.

Sincerely,

Gerardo De Los Santos

Gerardo De Los Santos
Accounting Technician

Rule 210.V.A.2

Penalty for Nonpayment of Fees Other Than Cost Reimbursement. If payment is not received within thirty (30) calendar days after the invoice date, the Air Pollution Control Officer shall promptly notify the person subject to the fee in writing that the payment is overdue and a penalty shall be imposed if payment is not received within sixty (60) calendar days of the invoice date. The penalty shall be ten (10) percent of the fee initially invoiced for each thirty (30) calendar day period or portion thereof, that the payment is overdue and the Air Pollution Control Officer may initiate action to revoke the permit. For fees mandated by Health and Safety Code Section 44300 et. seq.

EXHIBIT 3c

LAEF 60-Day Past Due Notice

air pollution control district
SANTA BARBARA COUNTY

260 N San Antonio Road
Suite A
Santa Barbara, CA 93110
Phone: 805-961-8891

INVOICE

Billed To:
California Asphalt Production Inc.
Julio Corona
PO Box 1220
Santa Maria, CA 93456

DATE: 10/22/2020
INVOICE #: INV05187
DUE DATE: 11/22/2020
TOTAL DUE: 668.14

CUSTOMER ACCOUNT # : 110655

ITEM DESCRIPTION	UNITS	PRICE	AMOUNT
Large Annual Emission Fees- 55758- 60	1.00	668.14	668.14
TOTAL THIS INVOICE			**668.14**

For questions, contact Gerardo De Los Santos 805-961-8823

REMIT TO:

Santa Barbara County
Air Pollution Control District
260 N San Antonio Road Suite A
Santa Barbara, CA 93110

A copy of this invoice should accompany your check. Thank you!

apcd air pollution control district
SANTA BARBARA COUNTY

Via Certified Mail
Return Receipt Requested

9171 9690 0935 0250 8973 58

October 22, 2020

Mr. Julio Corona
California Asphalt Production, Inc.
PO Box 1220
Santa Maria, CA 93456

RE: Payment Plan Default Notice/60 Day Late Notice and 10% Penalty for Invoice # 55758
Amount Overdue: $7,349.56

Dear Julio Corona,

Notice is hereby given that California Asphalt Production, Inc. has defaulted in the payment plan arrangement requested on April 22, 2020. The entire amount is now past due. The District will resume assessing penalty fees on the balance. Please submit payment for all outstanding invoices and penalty fees.

Pursuant to District Rule 210.V.A.2 (see below), we are providing you written notification that the following Invoice(s) is now 60 days overdue and that you have been assessed a 10% late penalty fee:

- Invoice 55758 May 19, 2020 Amount: $6,681.42
- 60 Day Penalty October 22, 2020 Amount: $668.14

In order to avoid additional penalty fees in, please promptly pay the amount overdue that is noted above. Every 30 days, we will assess an additional 10% penalty fee. We accept checks and phone payments made with a Visa or MasterCard. Please contact me at (805) 961-8823 or via email at DeLosSantosG@sbcapcd.org if you have any questions regarding this past due invoice(s) and penalty fee(s).

Sincerely,

Gerardo De Los Santos

Gerardo De Los Santos
Accounting Technician

Rule 210.V.A.2

Penalty for Nonpayment of Fees Other Than Cost Reimbursement. If payment is not received within thirty (30) calendar days after the invoice date, the Air Pollution Control Officer shall promptly notify the person subject to the fee in writing that the payment is overdue and a penalty shall be imposed if payment is not received within sixty (60) calendar days of the invoice date. The penalty shall be ten (10) percent of the fee initially invoiced for each thirty (30) calendar day period or portion thereof, that the payment is overdue and the Air Pollution Control Officer may initiate action to revoke the permit. For fees mandated by Health and Safety Code Section 44300 et. seq.

EXHIBIT 3d

LAEF 90-Day Past Due Notice

air pollution control district
SANTA BARBARA COUNTY

260 N San Antonio Road
Suite A
Santa Barbara, CA 93110
Phone: 805-961-8891

INVOICE

Billed To:
California Asphalt Production Inc.
Julio Corona
PO Box 1220
Santa Maria, CA 93456

DATE: 11/23/2020
INVOICE #: INV05282
DUE DATE: 12/23/2020
TOTAL DUE: 668.14

CUSTOMER ACCOUNT # : 110655

ITEM DESCRIPTION	UNITS	PRICE	AMOUNT
Large Annual Emission Fees- 55758- 90	1.00	668.14	668.14
TOTAL THIS INVOICE			**668.14**

For questions, contact Gerardo De Los Santos 805-961-8823

REMIT TO:

Santa Barbara County
Air Pollution Control District
260 N San Antonio Road, Suite A
Santa Barbara, CA 93110

A copy of this invoice should accompany your check. Thank you!

apcd air pollution control district
SANTA BARBARA COUNTY

Via Certified Mail
Return Receipt Requested 9171 9690 0935 0250 8977 54

November 23, 2020

Mr. Julio Corona
California Asphalt Production, Inc.
PO Box 1220
Santa Maria, CA 93456

RE: Payment Plan Default Notice/90 Day Late Notice and 10% Penalty for Invoice # 55758
Amount Overdue: $8,017.70

Dear Julio Corona,

Notice is hereby given that California Asphalt Production, Inc. has defaulted in the payment plan arrangement requested on April 22, 2020. The entire amount is now past due. The District resumed assessing penalty fees on October 22, 2020. Please submit payment for all outstanding invoices and penalty fees.

Pursuant to District Rule 210.V.A.2 (see below), we are providing you written notification that the following Invoice(s) is now 90 days overdue and that you have been assessed a 10% late penalty fee:

- Invoice 55758 May 19, 2020 Amount: $6,681.42
- 60 Day Penalty October 22, 2020 Amount: $668.14
- 90 Day Penalty November 23, 2020 Amount: $668.14

In order to avoid additional penalty fees in, please promptly pay the amount overdue that is noted above. Every 30 days, we will assess an additional 10% penalty fee. We accept checks and phone payments made with a Visa or MasterCard. Please contact me at (805) 961-8823 or via email at DeLosSantosG@sbcapcd.org if you have any questions regarding this past due invoice(s) and penalty fee(s).

Sincerely,

Gerardo De Los Santos

Gerardo De Los Santos
Accounting Technician

Rule 210.V.A.2

Penalty for Nonpayment of Fees Other Than Cost Reimbursement. If payment is not received within thirty (30) calendar days after the invoice date, the Air Pollution Control Officer shall promptly notify the person subject to the fee in writing that the payment is overdue and a penalty shall be imposed if payment is not received within sixty (60) calendar days of the invoice date. The penalty shall be ten (10) percent of the fee initially invoiced for each thirty (30) calendar day period or portion thereof, that the payment is overdue and the Air Pollution Control Officer may initiate action to revoke the permit. For fees mandated by Health and Safety Code Section 44300 et. seq.

EXHIBIT 3e

LAEF 120-Day Past Due Notice

apcd air pollution control district
SANTA BARBARA COUNTY

Via Certified Mail
Return Receipt Requested

December 23, 2020

Mr. Julio Corona
California Asphalt Production, Inc.
PO Box 1220
Santa Maria, CA 93456

RE: 120 Day Late Notice and 10% Penalty for Invoice #55758
Amount Overdue: $8,685.84

Dear Julio Corona,

Pursuant to District Rule 210.V.A.2 (see below), we are providing you written notification that the following Invoice(s) is now 120 days overdue and that you have been assessed a 10% late penalty fee:

- Invoice 55758 May 19, 2020 Amount: $6,681.42
- 60 Day Penalty October 22, 2020 Amount: $668.14
- 90 Day Penalty November 23, 2020 Amount: $668.14
- 120 Day Penalty December 23, 2020 Amount: $668.14

In order to avoid additional penalty fees in, please promptly pay the amount overdue that is noted above. Every 30 days, we will assess an additional 10% penalty fee. We accept checks and phone payments made with a Visa or MasterCard. Please contact me at (805) 961-8823 or via email at DeLosSantosG@sbcapcd.org if you have any questions regarding this past due invoice(s) and penalty fee(s).

Sincerely,

Gerardo De Los Santos

Gerardo De Los Santos
Accounting Technician

Rule 210.V.A.2

Penalty for Nonpayment of Fees Other Than Cost Reimbursement. If payment is not received within thirty (30) calendar days after the invoice date, the Air Pollution Control Officer shall promptly notify the person subject to the fee in writing that the payment is overdue and a penalty shall be imposed if payment is not received within sixty (60) calendar days of the invoice date. The penalty shall be ten (10) percent of the fee initially invoiced for each thirty (30) calendar day period or portion thereof, that the payment is overdue and the Air Pollution Control Officer may initiate action to revoke the permit. For fees mandated by Health and Safety Code Section 44300 et. seq.

---

air pollution control district
SANTA BARBARA COUNTY

260 N San Antonio Road
Suite A
Santa Barbara, CA 93110
Phone: 805-961-8891

INVOICE

Billed To:
California Asphalt Production Inc.
Julio Corona
PO Box 1220
Santa Maria, CA 93456

DATE: 12/23/2020
INVOICE #: INV05533
DUE DATE: 1/23/2021
TOTAL DUE: 668.14

CUSTOMER ACCOUNT # : 110655

ITEM DESCRIPTION	UNITS	PRICE	AMOUNT
Large Annual Emission Fees- 55758- 120	1.00	668.14	668.14
TOTAL THIS INVOICE			**668.14**

For questions, contact Gerardo De Los Santos 805-961-8823

REMIT TO:
Santa Barbara County
Air Pollution Control District
260 N San Antonio Road, Suite A
Santa Barbara, CA 93110

A copy of this invoice should accompany your check. Thank you!

EXHIBIT 4a

Source Test Fees Invoice # 53823

INV03666

air pollution control district
SANTA BARBARA COUNTY

260 North San Antonio Rd Suite A
Santa Barbara, CA 93110-1315

Invoice:53823
Date:1/31/2020
Terms:Net 30 Days
SBCAPCD Tax ID #77-0384167

INVOICE

Bill To:

California Asphalt Production, Inc.
PO Box 1220
Santa Maria, CA 93456
Attention: Mr. Julio Corona

Company No.:110655
Billing Type:Source Test #295
Billing Period:
Project No.:390850
Facility/Permit No.:00037/
Vendor No.:N/A

Description	Total
Fee: $1885.07, Source Test No: 12277, Device: 387607 - Seattle Boiler, Completed Date: 10/17/2019	$1,885.07
Fee: $1885.07, Source Test No: 12279, Device: 000345 - Crude Heater 1, Completed Date: 10/16/2019	$1,885.07
Fee: $1885.07, Source Test No: 21569, Device: 000346 - Crude Heater 2, Completed Date: 10/16/2019	$1,885.07
Fee: $1885.07, Source Test No: 21570, Device: 000350 - Asphalt Heater 4, Completed Date: 10/17/2019	$1,885.07
	$7,540.28

Total Due: $7,540.28

REMIT PAYMENTS TO THE ADDRESS ABOVE
Please indicate invoice number 53823 on your remittance.

IF YOU HAVE ANY QUESTIONS REGARDING YOUR INVOICE PLEASE CALL Billing at (805) 961-8800

The APCD charges $25.00 for returned checks. Other Penalties/fees may be incurred as a result of returned checks (see District Rule 210).

EXHIBIT 4b

Source Test Fees 30-Day Past Due Notice

apcd air pollution control district
SANTA BARBARA COUNTY

Via Certified Mail 9171 9690 0935 0237 6568 24
Return Receipt Requested

March 3, 2020

Julio Corona
California Asphalt Production, Inc.
PO Box 1220
Santa Maria, CA 93456

RE: 30 Day Late Notice for Invoice #53823
Amount Overdue: $7,540.28

Dear Julio Corona,

Pursuant to District Rule 210.V.A.2 (see below), we are providing you written notification that the following Invoice is now 30 days overdue:

- Invoice 53823 January 31, 2020 Amount: $7,540.28

In order to avoid penalty fees, please promptly pay the amount overdue that is noted above. At Day 60 we will assess a 10% penalty fee. We accept checks and phone payments made with a Visa or MasterCard. Please contact me at (805) 961-8823 or via email at DeLosSantosG@sbcapcd.org if you have any questions regarding this past due invoice.

Sincerely,

Gerardo De Los Santos
Accounting Technician

Rule 210.V.A.2

Penalty for Nonpayment of Fees Other Than Cost Reimbursement. If payment is not received within thirty (30) calendar days after the invoice date, the Air Pollution Control Officer shall promptly notify the person subject to the fee in writing that the payment is overdue and a penalty shall be imposed if payment is not received within sixty (60) calendar days of the invoice date. The penalty shall be ten (10) percent of the fee initially invoiced for each thirty (30) calendar day period or portion thereof, that the payment is overdue and the Air Pollution Control Officer may initiate action to revoke the permit. For fees mandated by Health and Safety Code Section 44300 et. seq.

EXHIBIT 4c

Source Test Fees 60-Day Past Due Notice

air pollution control district
SANTA BARBARA COUNTY

260 N San Antonio Road
Suite A
Santa Barbara, CA 93110
Phone: 805-961-8891

INVOICE

Billed To:
California Asphalt Production Inc.
Julio Corona
PO Box 1220
Santa Maria, CA 93456

DATE: 4/9/2020
INVOICE #: INV04380
DUE DATE: 5/9/2020
TOTAL DUE: 754.02

CUSTOMER ACCOUNT # : 110655

ITEM DESCRIPTION	UNITS	PRICE	AMOUNT
Source Test- 53823- 60	1.00	754.02	754.02
TOTAL THIS INVOICE			**754.02**

For questions, contact Gerardo De Los Santos 805-961-8823

REMIT TO:

Santa Barbara County
Air Pollution Control District
260 N San Antonio Road Suite A
Santa Barbara, CA 93110

A copy of this invoice should accompany your check. Thank you!

apcd air pollution control district
SANTA BARBARA COUNTY

9171 9690 0935 0247 1407 95

Via Certified Mail
Return Receipt Requested

April 9, 2020

Julio Corona
California Asphalt Production, Inc.
PO Box 1220
Santa Maria, CA 93456

RE: 60 Day Late Notice and 10% Penalty for Invoice # 53823
Amount Overdue: $8,294.30

Dear Julio Corona,

Pursuant to District Rule 210.V.A.2 (see below), we are providing you written notification that the following Invoice(s) is now 60 days overdue and that you have been assessed a 10% late penalty fee:

- Invoice 53823 January 31, 2020 Amount: $7,540.28
- 60 Day Penalty April 9, 2020 Amount: $754.02

In order to avoid additional penalty fees in, please promptly pay the amount overdue that is noted above. Every 30 days, we will assess an additional 10% penalty fee. We accept checks and phone payments made with a Visa or MasterCard. Please contact me at (805) 961-8823 or via email at DeLosSantosG@sbcapcd.org if you have any questions regarding this past due invoice(s) and penalty fee(s).

Sincerely,

Gerardo De Los Santos

Gerardo De Los Santos
Accounting Technician

Rule 210.V.A.2

Penalty for Nonpayment of Fees Other Than Cost Reimbursement. If payment is not received within thirty (30) calendar days after the invoice date, the Air Pollution Control Officer shall promptly notify the person subject to the fee in writing that the payment is overdue and a penalty shall be imposed if payment is not received within sixty (60) calendar days of the invoice date. The penalty shall be ten (10) percent of the fee initially invoiced for each thirty (30) calendar day period or portion thereof, that the payment is overdue and the Air Pollution Control Officer may initiate action to revoke the permit. For fees mandated by Health and Safety Code Section 44300 et. seq.

EXHIBIT 4d

Source Test Fees 90-Day Past Due Notice

air pollution control district
SANTA BARBARA COUNTY

260 N San Antonio Road
Suite A
Santa Barbara, CA 93110
Phone: 805-961-8891

INVOICE

Billed To:
California Asphalt Production Inc.
Julio Corona
PO Box 1220
Santa Maria, CA 93456

DATE: 10/22/2020
INVOICE #: INV05184
DUE DATE: 11/22/2020
TOTAL DUE: 754.02

CUSTOMER ACCOUNT # : 110655

ITEM DESCRIPTION	UNITS	PRICE	AMOUNT
Source Test- 53823- 90	1.00	754.02	754.02
TOTAL THIS INVOICE			**754.02**

For questions, contact Gerardo De Los Santos 805-961-8823
REMIT TO:

Santa Barbara County
Air Pollution Control District
260 N San Antonio Road Suite A
Santa Barbara, CA 93110

A copy of this invoice should accompany your check. Thank you!

apcd air pollution control district
SANTA BARBARA COUNTY

9171 9690 0935 0250 8973 58

Via Certified Mail
Return Receipt Requested

October 22, 2020

Mr. Julio Corona
California Asphalt Production, Inc.
PO Box 1220
Santa Maria, CA 93456

RE: Payment Plan Default Notice/90 Day Late Notice and 10% Penalty for Invoice # 53823
Amount Overdue: $9,048.32

Dear Julio Corona,

Notice is hereby given that California Asphalt Production, Inc. has defaulted in the payment plan arrangement requested on April 22, 2020. The entire amount is now past due. The District will resume assessing penalty fees on the balance. Please submit payment for all outstanding invoices and penalty fees.

Pursuant to District Rule 210.V.A.2 (see below), we are providing you written notification that the following Invoice(s) is now 90 days overdue and that you have been assessed a 10% late penalty fee:

- Invoice 53823 January 31, 2020 Amount: $7,540.28
- 60 Day Penalty April 9, 2020 Amount: $754.02
- 90 Day Penalty October 22, 2020 Amount: $754.02

In order to avoid additional penalty fees in, please promptly pay the amount overdue that is noted above. Every 30 days, we will assess an additional 10% penalty fee. We accept checks and phone payments made with a Visa or MasterCard. Please contact me at (805) 961-8823 or via email at DeLosSantosG@sbcapcd.org if you have any questions regarding this past due invoice(s) and penalty fee(s).

Sincerely,

Gerardo De Los Santos

Gerardo De Los Santos
Accounting Technician

Rule 210.V.A.2

Penalty for Nonpayment of Fees Other Than Cost Reimbursement. If payment is not received within thirty (30) calendar days after the invoice date, the Air Pollution Control Officer shall promptly notify the person subject to the fee in writing that the payment is overdue and a penalty shall be imposed if payment is not received within sixty (60) calendar days of the invoice date. The penalty shall be ten (10) percent of the fee initially invoiced for each thirty (30) calendar day period or portion thereof, that the payment is overdue and the Air Pollution Control Officer may initiate action to revoke the permit. For fees mandated by Health and Safety Code Section 44300 et. seq.

EXHIBIT 4e

Source Test Fees 120-Day Past Due Notice

air pollution control district
SANTA BARBARA COUNTY

260 N San Antonio Road
Suite A
Santa Barbara, CA 93110
Phone: 805-961-8891

INVOICE

Billed To:
California Asphalt Production Inc.
Julio Corona
PO Box 1220
Santa Maria, CA 93456

DATE: 11/23/2020
INVOICE #: INV05279
DUE DATE: 12/23/2020
TOTAL DUE: 754.02

CUSTOMER ACCOUNT # : 110655

ITEM DESCRIPTION	UNITS	PRICE	AMOUNT
Source Test- 53823- 120	1.00	754.02	754.02
TOTAL THIS INVOICE			**754.02**

For questions, contact Gerardo De Los Santos 805-961-8823

REMIT TO:

Santa Barbara County
Air Pollution Control District
260 N San Antonio Road, Suite A
Santa Barbara, CA 93110

A copy of this invoice should accompany your check. Thank you!

apcd air pollution control district
SANTA BARBARA COUNTY

Via Certified Mail
Return Receipt Requested

9171 9690 0935 0250 8977 54

November 23, 2020

Mr. Julio Corona
California Asphalt Production, Inc.
PO Box 1220
Santa Maria, CA 93456

RE: Payment Plan Default Notice/120 Day Late Notice and 10% Penalty for Invoice # 53823
Amount Overdue: $9,802.34

Dear Julio Corona,

Notice is hereby given that California Asphalt Production, Inc. has defaulted in the payment plan arrangement requested on April 22, 2020. The entire amount is now past due. The District resumed assessing penalty fees on October 22, 2020. Please submit payment for all outstanding invoices and penalty fees.

Pursuant to District Rule 210.V.A.2 (see below), we are providing you written notification that the following Invoice(s) is now 120 days overdue and that you have been assessed a 10% late penalty fee:

- Invoice 53823 January 31, 2020 Amount: $7,540.28
- 60 Day Penalty April 9, 2020 Amount: $754.02
- 90 Day Penalty October 22, 2020 Amount: $754.02
- 120 Day Penalty November 23, 2020 Amount: $754.02

In order to avoid additional penalty fees in, please promptly pay the amount overdue that is noted above. Every 30 days, we will assess an additional 10% penalty fee. We accept checks and phone payments made with a Visa or MasterCard. Please contact me at (805) 961-8823 or via email at DeLosSantosG@sbcapcd.org if you have any questions regarding this past due invoice(s) and penalty fee(s).

Sincerely,

Gerardo De Los Santos

Gerardo De Los Santos
Accounting Technician

Rule 210.V.A.2

Penalty for Nonpayment of Fees Other Than Cost Reimbursement. If payment is not received within thirty (30) calendar days after the invoice date, the Air Pollution Control Officer shall promptly notify the person subject to the fee in writing that the payment is overdue and a penalty shall be imposed if payment is not received within sixty (60) calendar days of the invoice date. The penalty shall be ten (10) percent of the fee initially invoiced for each thirty (30) calendar day period or portion thereof, that the payment is overdue and the Air Pollution Control Officer may initiate action to revoke the permit. For fees mandated by Health and Safety Code Section 44300 et. seq.

EXHIBIT 4f

Source Test Fees 150-Day Past Due Notice

apcd air pollution control district
SANTA BARBARA COUNTY

Via Certified Mail
Return Receipt Requested

December 23, 2020

Mr. Julio Corona
California Asphalt Production, Inc.
PO Box 1220
Santa Maria, CA 93456

RE: 150 Day Late Notice and 10% Penalty for Invoice #53823
Amount Overdue: $10,556.36

Dear Julio Corona,

Pursuant to District Rule 210.V.A.2 (see below), we are providing you written notification that the following Invoice(s) is now 150 days overdue and that you have been assessed a 10% late penalty fee:

- Invoice 53823 January 31, 2020 Amount: $7,540.28
- 60 Day Penalty April 9, 2020 Amount: $754.02
- 90 Day Penalty October 22, 2020 Amount: $754.02
- 120 Day Penalty November 23, 2020 Amount: $754.02
- 150 Day Penalty December 23, 2020 Amount: $754.02

In order to avoid additional penalty fees in, please promptly pay the amount overdue that is noted above. Every 30 days, we will assess an additional 10% penalty fee. We accept checks and phone payments made with a Visa or MasterCard. Please contact me at (805) 961-8823 or via email at DeLosSantosG@sbcapcd.org if you have any questions regarding this past due invoice(s) and penalty fee(s).

Sincerely,

Gerardo De Los Santos

Gerardo De Los Santos
Accounting Technician

Aeron Arlin Genet, Air Pollution Control Officer

805.961.8800 260 N. San Antonio Rd., Ste. A Santa Barbara, CA 93110 ourair.org @OurAirSBC

Rule 210.V.A.2

Penalty for Nonpayment of Fees Other Than Cost Reimbursement. If payment is not received within thirty (30) calendar days after the invoice date, the Air Pollution Control Officer shall promptly notify the person subject to the fee in writing that the payment is overdue and a penalty shall be imposed if payment is not received within sixty (60) calendar days of the invoice date. The penalty shall be ten (10) percent of the fee initially invoiced for each thirty (30) calendar day period or portion thereof, that the payment is overdue and the Air Pollution Control Officer may initiate action to revoke the permit. For fees mandated by Health and Safety Code Section 44300 et. seq.

---

air pollution control district
SANTA BARBARA COUNTY

260 N San Antonio Road
Suite A
Santa Barbara, CA 93110
Phone: 805-961-8891

INVOICE

Billed To:
California Asphalt Production Inc.
Julio Corona
PO Box 1220
Santa Maria, CA 93456

DATE: 12/23/2020
INVOICE #: INV05530
DUE DATE: 1/23/2021
TOTAL DUE: 754.02

CUSTOMER ACCOUNT # : 110655

ITEM DESCRIPTION	UNITS	PRICE	AMOUNT
Source Test- 53823- 150	1.00	754.02	754.02
TOTAL THIS INVOICE			**754.02**

For questions, contact Gerardo De Los Santos 805-961-8823

REMIT TO:
Santa Barbara County
Air Pollution Control District
260 N San Antonio Road, Suite A
Santa Barbara, CA 93110

A copy of this invoice should accompany your check. Thank you!

EXHIBIT 5a

AB 2588 Fees Invoice # 54326

INV 04037

air pollution control district
SANTA BARBARA COUNTY

260 North San Antonio Rd Suite A
Santa Barbara, CA 93110-1315

Invoice:54326
Date:2/13/2020
Terms:Net 30 Days
SBCAPCD Tax ID #77-0384167

INVOICE

Bill To:
California Asphalt Production, Inc.
PO Box 1220
Santa Maria, CA 93456
Attention: Mr. Julio Corona

Company No.:110655
Billing Type:AB2588 Air Toxics Hot Spots
Billing Period:FY1920
Project No.:N/A
Facility/Permit No.:
Vendor No.:N/A

AB2588 Air Toxics Hot Spots Fee:	**Total**
SSID 4640 - Santa Maria Asphalt Refinery: Air Resources Board	$134.00
	$134.00

Total Due: $134.00

REMIT PAYMENTS TO THE ADDRESS ABOVE
Please indicate invoice number 54326 on your remittance.

IF YOU HAVE ANY QUESTIONS REGARDING YOUR INVOICE PLEASE CALL Billing at (805) 961-8800

The APCD charges $25.00 for returned checks. Other Penalties/fees may be incurred as a result of returned checks (see District Rule 210).

EXHIBIT 5b

AB 2588 Fees 30-Day Past Due Notice

apcd air pollution control district
SANTA BARBARA COUNTY

Via Certified Mail
Return Receipt Requested

9171 9690 0935 0234 0756 97

March 13, 2020

Julio Corona
California Asphalt Production, Inc.
PO Box 1220
Santa Maria, CA 93456

RE: 30 Day Late Notice for Invoice #54326
Amount Overdue: $134.00

Dear Julio Corona,

Pursuant to District Rule 210.V.A.2 (see below), we are providing you written notification that the following Invoice is now 30 days overdue:

- Invoice 54326 February 13, 2020 Amount: $134.00

In order to avoid penalty fees, please promptly pay the amount overdue that is noted above. At Day 60 we will assess a 10% penalty fee. We accept checks and phone payments made with a Visa or MasterCard. Please contact me at (805) 961-8823 or via email at DeLosSantosG@sbcapcd.org if you have any questions regarding this past due invoice.

Sincerely,

Gerardo De Los Santos
Accounting Technician

Rule 210.V.A.2

Penalty for Nonpayment of Fees Other Than Cost Reimbursement. If payment is not received within thirty (30) calendar days after the invoice date, the Air Pollution Control Officer shall promptly notify the person subject to the fee in writing that the payment is overdue and a penalty shall be imposed if payment is not received within sixty (60) calendar days of the invoice date. The penalty shall be ten (10) percent of the fee initially invoiced for each thirty (30) calendar day period or portion thereof, that the payment is overdue and the Air Pollution Control Officer may initiate action to revoke the permit. For fees mandated by Health and Safety Code Section 44300 et. seq.

EXHIBIT 5c

AB 2588 Fees 60-Day Past Due Notice

air pollution control district
SANTA BARBARA COUNTY

260 N San Antonio Road
Suite A
Santa Barbara, CA 93110
Phone: 805-961-8891

INVOICE

Billed To:
California Asphalt Production Inc.
Julio Corona
PO Box 1220
Santa Maria, CA 93456

DATE: 4/14/2020
INVOICE #: INV04400
DUE DATE: 5/14/2020
TOTAL DUE: 13.40

CUSTOMER ACCOUNT # : 110655

ITEM DESCRIPTION	UNITS	PRICE	AMOUNT
Air Toxics- 54326- 60	1.00	13.40	13.40
TOTAL THIS INVOICE			**13.40**

For questions, contact Gerardo De Los Santos 805-961-8823

REMIT TO:

Santa Barbara County
Air Pollution Control District
260 N San Antonio Road Suite A
Santa Barbara, CA 93110

A copy of this invoice should accompany your check. Thank you!

apcd air pollution control district
SANTA BARBARA COUNTY

Via Certified Mail
Return Receipt Requested

9171 9690 0935 0247 0993 38

April 14, 2020

Julio Corona
California Asphalt Production, Inc.
PO Box 1220
Santa Maria, CA 93456

RE: 60 Day Late Notice and 10% Penalty for Invoice # 54326
Amount Overdue: $147.40

Dear Julio Corona,

Pursuant to District Rule 210.V.A.2 (see below), we are providing you written notification that the following Invoice(s) is now 60 days overdue and that you have been assessed a 10% late penalty fee:

- Invoice 54326 February 13, 2020 Amount: $134.00
- 60 Day Penalty April 14, 2020 Amount: $13.40

In order to avoid additional penalty fees in, please promptly pay the amount overdue that is noted above. Every 30 days, we will assess an additional 10% penalty fee. We accept checks and phone payments made with a Visa or MasterCard. Please contact me at (805) 961-8823 or via email at DeLosSantosG@sbcapcd.org if you have any questions regarding this past due invoice(s) and penalty fee(s).

Sincerely,

Gerardo De Los Santos

Gerardo De Los Santos
Accounting Technician

Rule 210.V.A.2

Penalty for Nonpayment of Fees Other Than Cost Reimbursement. If payment is not received within thirty (30) calendar days after the invoice date, the Air Pollution Control Officer shall promptly notify the person subject to the fee in writing that the payment is overdue and a penalty shall be imposed if payment is not received within sixty (60) calendar days of the invoice date. The penalty shall be ten (10) percent of the fee initially invoiced for each thirty (30) calendar day period or portion thereof, that the payment is overdue and the Air Pollution Control Officer may initiate action to revoke the permit. For fees mandated by Health and Safety Code Section 44300 et. seq.

EXHIBIT 5d

AB 2588 Fees 90-Day Past Due Notice

air pollution control district
SANTA BARBARA COUNTY

260 N San Antonio Road
Suite A
Santa Barbara, CA 93110
Phone: 805-961-8891

INVOICE

Billed To:
California Asphalt Production Inc.
Julio Corona
PO Box 1220
Santa Maria, CA 93456

DATE: 10/22/2020
INVOICE #: INV05186
DUE DATE: 11/22/2020
TOTAL DUE: 13.40

CUSTOMER ACCOUNT # : 110655

ITEM DESCRIPTION	UNITS	PRICE	AMOUNT
Air Toxics- 54326- 90	1.00	13.40	13.40
TOTAL THIS INVOICE			**13.40**

For questions, contact Gerardo De Los Santos 805-961-8823

REMIT TO:

Santa Barbara County
Air Pollution Control District
260 N San Antonio Road Suite A
Santa Barbara, CA 93110

A copy of this invoice should accompany your check. Thank you!

apcd air pollution control district
SANTA BARBARA COUNTY

Via Certified Mail
Return Receipt Requested

October 22, 2020

Mr. Julio Corona
California Asphalt Production, Inc.
PO Box 1220
Santa Maria, CA 93456

RE: Payment Plan Default Notice/90 Day Late Notice and 10% Penalty for Invoice # 54326
Amount Overdue: $160.80

Dear Julio Corona,

Notice is hereby given that California Asphalt Production, Inc. has defaulted in the payment plan arrangement requested on April 22, 2020. The entire amount is now past due. The District will resume assessing penalty fees on the balance. Please submit payment for all outstanding invoices and penalty fees.

Pursuant to District Rule 210.V.A.2 (see below), we are providing you written notification that the following Invoice(s) is now 90 days overdue and that you have been assessed a 10% late penalty fee:

- Invoice 54326 February 13, 2020 Amount: $134.00
- 60 Day Penalty April 14, 2020 Amount: $13.40
- 90 Day Penalty October 22, 2020 Amount: $13.40

In order to avoid additional penalty fees in, please promptly pay the amount overdue that is noted above. Every 30 days, we will assess an additional 10% penalty fee. We accept checks and phone payments made with a Visa or MasterCard. Please contact me at (805) 961-8823 or via email at DeLosSantosG@sbcapcd.org if you have any questions regarding this past due invoice(s) and penalty fee(s).

Sincerely,

Gerardo De Los Santos

Gerardo De Los Santos
Accounting Technician

Rule 210.V.A.2

Penalty for Nonpayment of Fees Other Than Cost Reimbursement. If payment is not received within thirty (30) calendar days after the invoice date, the Air Pollution Control Officer shall promptly notify the person subject to the fee in writing that the payment is overdue and a penalty shall be imposed if payment is not received within sixty (60) calendar days of the invoice date. The penalty shall be ten (10) percent of the fee initially invoiced for each thirty (30) calendar day period or portion thereof, that the payment is overdue and the Air Pollution Control Officer may initiate action to revoke the permit. For fees mandated by Health and Safety Code Section 44300 et. seq.

EXHIBIT 5e

AB 2588 Fees 120-Day Past Due Notice

air pollution control district
SANTA BARBARA COUNTY

260 N San Antonio Road
Suite A
Santa Barbara, CA 93110
Phone: 805-961-8891

INVOICE

Billed To:
California Asphalt Production Inc.
Julio Corona
PO Box 1220
Santa Maria, CA 93456

DATE: 11/23/2020
INVOICE #: INV05280
DUE DATE: 12/23/2020
TOTAL DUE: 13.40

CUSTOMER ACCOUNT # : 110655

ITEM DESCRIPTION	UNITS	PRICE	AMOUNT
Air Toxics- 54326- 120	1.00	13.40	13.40
TOTAL THIS INVOICE			**13.40**

For questions, contact Gerardo De Los Santos 805-961-8823
REMIT TO:

Santa Barbara County
Air Pollution Control District
260 N San Antonio Road, Suite A
Santa Barbara, CA 93110

A copy of this invoice should accompany your check. Thank you!

apcd air pollution control district
SANTA BARBARA COUNTY

Via Certified Mail
Return Receipt Requested

9171 9690 0935 0250 8977 54

November 23, 2020

Mr. Julio Corona
California Asphalt Production, Inc.
PO Box 1220
Santa Maria, CA 93456

RE: Payment Plan Default Notice/120 Day Late Notice and 10% Penalty for Invoice # 54326
Amount Overdue: $174.20

Dear Julio Corona,

Notice is hereby given that California Asphalt Production, Inc. has defaulted in the payment plan arrangement requested on April 22, 2020. The entire amount is now past due. The District resumed assessing penalty fees on October 22, 2020. Please submit payment for all outstanding invoices and penalty fees.

Pursuant to District Rule 210.V.A.2 (see below), we are providing you written notification that the following Invoice(s) is now 120 days overdue and that you have been assessed a 10% late penalty fee:

- Invoice 54326 February 13, 2020 Amount: $134.00
- 60 Day Penalty April 14, 2020 Amount: $13.40
- 90 Day Penalty October 22, 2020 Amount: $13.40
- 120 Day Penalty November 23, 2020 Amount: $13.40

In order to avoid additional penalty fees in, please promptly pay the amount overdue that is noted above. Every 30 days, we will assess an additional 10% penalty fee. We accept checks and phone payments made with a Visa or MasterCard. Please contact me at (805) 961-8823 or via email at DeLosSantosG@sbcapcd.org if you have any questions regarding this past due invoice(s) and penalty fee(s).

Sincerely,

Gerardo De Los Santos

Gerardo De Los Santos
Accounting Technician

Rule 210.V.A.2

Penalty for Nonpayment of Fees Other Than Cost Reimbursement. If payment is not received within thirty (30) calendar days after the invoice date, the Air Pollution Control Officer shall promptly notify the person subject to the fee in writing that the payment is overdue and a penalty shall be imposed if payment is not received within sixty (60) calendar days of the invoice date. The penalty shall be ten (10) percent of the fee initially invoiced for each thirty (30) calendar day period or portion thereof, that the payment is overdue and the Air Pollution Control Officer may initiate action to revoke the permit. For fees mandated by Health and Safety Code Section 44300 et. seq.

EXHIBIT 5f

AB 2588 Fees 150-Day Past Due Notice

Via Certified Mail
Return Receipt Requested

December 23, 2020

Mr. Julio Corona
California Asphalt Production, Inc.
PO Box 1220
Santa Maria, CA 93456

RE: 150 Day Late Notice and 10% Penalty for Invoice #54326
Amount Overdue: $187.60

Dear Julio Corona,

Pursuant to District Rule 210.V.A.2 (see below), we are providing you written notification that the following Invoice(s) is now 150 days overdue and that you have been assessed a 10% late penalty fee:

- Invoice 54326 February 13, 2020 Amount: $134.00
- 60 Day Penalty April 14, 2020 Amount: $13.40
- 90 Day Penalty October 22, 2020 Amount: $13.40
- 120 Day Penalty November 23, 2020 Amount: $13.40
- 150 Day Penalty December 23, 2020 Amount: $13.40

In order to avoid additional penalty fees in, please promptly pay the amount overdue that is noted above. Every 30 days, we will assess an additional 10% penalty fee. We accept checks and phone payments made with a Visa or MasterCard. Please contact me at (805) 961-8823 or via email at DeLosSantosG@sbcapcd.org if you have any questions regarding this past due invoice(s) and penalty fee(s).

Sincerely,

Gerardo De Los Santos

Gerardo De Los Santos
Accounting Technician

Rule 210.V.A.2

Penalty for Nonpayment of Fees Other Than Cost Reimbursement. If payment is not received within thirty (30) calendar days after the invoice date, the Air Pollution Control Officer shall promptly notify the person subject to the fee in writing that the payment is overdue and a penalty shall be imposed if payment is not received within sixty (60) calendar days of the invoice date. The penalty shall be ten (10) percent of the fee initially invoiced for each thirty (30) calendar day period or portion thereof, that the payment is overdue and the Air Pollution Control Officer may initiate action to revoke the permit. For fees mandated by Health and Safety Code Section 44300 et. seq.

---

air pollution control district
SANTA BARBARA COUNTY

260 N San Antonio Road
Suite A
Santa Barbara, CA 93110
Phone: 805-961-8891

INVOICE

Billed To:
California Asphalt Production Inc.
Julio Corona
PO Box 1220
Santa Maria, CA 93456

DATE: 12/23/2020
INVOICE #: INV05531
DUE DATE: 1/23/2021
TOTAL DUE: 13.40

CUSTOMER ACCOUNT # : 110655

ITEM DESCRIPTION	UNITS	PRICE	AMOUNT
Air Toxics- 54326- 150	1.00	13.40	13.40
TOTAL THIS INVOICE			**13.40**

For questions, contact Gerardo De Los Santos 805-961-8823

REMIT TO:
Santa Barbara County
Air Pollution Control District
260 N San Antonio Road, Suite A
Santa Barbara, CA 93110

A copy of this invoice should accompany your check. Thank you!

EXHIBIT 6a

Julio Corona (CAP) April 22, 2020 E-Mail

From: Julio Corona <jic@california-asphalt.com>
Sent: Wednesday, April 22, 2020 10:23 AM
To: Gerardo De Los Santos <DeLosSantosG@sbcapcd.org>
Subject: RE: Santa Barbara County APCD - Account Statement

Hello Gerardo,
California Asphalt Production plant has been and continues to be offline since November 2019, and this has had a critical impact on sales and resulting revenue. Now, we are all having to address the critical consequences regarding the COVID-19 pandemic and the drop of crude oil prices. CAP is respectfully asking the Santa Barbara County Air Pollution Control District to consider the financial burden to CAP in reaching a payment plan.

CAP proposes the following conclusion to reach a settlement under this critical situation:

Payments to cover invoice- (#03375, #03666, #4037, #4240, #4380, #4393, #4400):
1st month (May 25th) – $3268.84
2nd month (June 25th) – $3268.84
3rd month (July 25th) - $3268.84
$9806.52

I look forward to receiving the Santa Barbara County Air Pollution Control District acceptance.

Regards,

California Asphalt Production, Inc.
1660 Sinton Rd. Santa Maria CA 93458
Julio Corona
Refinery Operations Manager
C : 805.310.3596

EXHIBIT 6b

Gerardo De Los Santos (APCD) April 22, 2020
E-Mail

From: Gerardo De Los Santos [mailto:DeLosSantosG@sbcapcd.org]
Sent: Wednesday, April 22, 2020 3:51 PM
To: Julio Corona
Subject: RE: Santa Barbara County APCD - Account Statement

Hi Julio,

We understand the hardship that all business including CAP Inc. are going through during the COVID-19 pandemic. Therefore, the District will accept CAP's payment plan proposal. In addition, we will suspend the upcoming late fees on the current invoices for May 2020. However, if CAP Inc. does not meet the requirements of the payment plan then we will start assessing late fees again at that point.

I appreciate you reaching out. Stay safe and healthy.

Best Regards,

Gerardo De Los Santos
Accounting Technician
Santa Barbara County Air Pollution Control District
260 N. San Antonio Rd. Suite A
Santa Barbara, CA 93110
Phone: (805) 961-8800
Direct: (805) 961-8823
OurAir.org
twitter.com/OurAirSBC

EXHIBIT 6c

Gerardo De Los Santos (APCD) June 1, 2020 E-Mail

Gerardo De Los Santos

From: Gerardo De Los Santos
Sent: Monday, June 1, 2020 3:18 PM
To: Julio Corona
Subject: RE: Santa Barbara County APCD - Account Statement

Hi Julio,

I am reaching out in regards to the first CAP, Inc. payment that was due 5/25/20 in the amount of $3,268.84 per the installment schedule that was submitted to the APCD. Please advise when we can expect the payment.

Thank you,

Gerardo De Los Santos
Accounting Technician
Air Pollution Control District
Santa Barbara County

DeLosSantosG@sbcapcd.org
805.961.8823

ourair.org @OurAirSBC

Sign Up for Air Alerts

Notice: This e-mail message is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message.

From: Julio Corona <jic@california-asphalt.com>
Sent: Wednesday, April 22, 2020 5:09 PM
To: Gerardo De Los Santos <DeLosSantosG@sbcapcd.org>
Subject: RE: Santa Barbara County APCD - Account Statement

Understood, Thank you Gerardo!

California Asphalt Production, Inc.
1660 Sinton Rd. Santa Maria CA 93458
Julio Corona
Refinery Operations Manager
C : 805.310.3596

From: Gerardo De Los Santos [mailto:DeLosSantosG@sbcapcd.org]
Sent: Wednesday, April 22, 2020 3:51 PM

To: Julio Corona
Subject: RE: Santa Barbara County APCD - Account Statement

Hi Julio,

We understand the hardship that all business including CAP Inc. are going through during the COVID-19 pandemic. Therefore, the District will accept CAP's payment plan proposal. In addition, we will suspend the upcoming late fees on the current invoices for May 2020. However, if CAP Inc. does not meet the requirements of the payment plan then we will start assessing late fees again at that point.

I appreciate you reaching out. Stay safe and healthy.

Best Regards,

Gerardo De Los Santos
Accounting Technician
Santa Barbara County Air Pollution Control District
260 N. San Antonio Rd. Suite A
Santa Barbara, CA 93110
Phone: (805) 961-8800
Direct: (805) 961-8823
OurAir.org
twitter.com/OurAirSBC

Notice: This e-mail message is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message.

From: Julio Corona <jic@california-asphalt.com>
Sent: Wednesday, April 22, 2020 10:23 AM
To: Gerardo De Los Santos <DeLosSantosG@sbcapcd.org>
Subject: RE: Santa Barbara County APCD - Account Statement

Hello Gerardo,
California Asphalt Production plant has been and continues to be offline since November 2019, and this has had a critical impact on sales and resulting revenue. Now, we are all having to address the critical consequences regarding the COVID-19 pandemic and the drop of crude oil prices. CAP is respectfully asking the Santa Barbara County Air Pollution Control District to consider the financial burden to CAP in reaching a payment plan.

CAP proposes the following conclusion to reach a settlement under this critical situation:

Payments to cover invoice- (#03375, #03666, #4037, #4240, #4380, #4393, #4400):
1st month (May 25th) – $3268.84
2nd month (June 25th) – $3268.84
3rd month (July 25th) - $3268.84
$9806.52

I look forward to receiving the Santa Barbara County Air Pollution Control District acceptance.

Regards,

California Asphalt Production, Inc.
1660 Sinton Rd. Santa Maria CA 93458
Julio Corona
Refinery Operations Manager
C : 805.310.3596

From: Gerardo De Los Santos [mailto:DeLosSantosG@sbcapcd.org]
Sent: Tuesday, April 14, 2020 3:26 PM
To: jic@california-asphalt.com
Subject: Santa Barbara County APCD - Account Statement

Hi Julio Corona,

I received your message along with your request for the most current account statement for California Asphalt Production company. I attached the statement along with the most recent late fee invoices that will mailed out. Please see attached.

Let me know you if you have any questions.

Thank you,

Gerardo De Los Santos
Accounting Technician
Santa Barbara County Air Pollution Control District
Phone: (805) 961-8800
Direct: (805) 961-8823
OurAir.org
twitter.com/OurAirSBC

Notice: This e-mail message is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message.

EXHIBIT 6d

Gerardo De Los Santos (APCD) June 8, 2020 E-Mail

Gerardo De Los Santos

From: Gerardo De Los Santos
Sent: Monday, June 8, 2020 11:31 AM
To: 'Julio Corona'
Subject: RE: Santa Barbara County APCD - Account Statement

Hi Julio,

I am following up in regards to CAP's missed installment payment. Please advise when we can expect the first installment payment.

Thank you,

Gerardo De Los Santos
Accounting Technician
Air Pollution Control District
Santa Barbara County

DeLosSantosG@sbcapcd.org
805.961.8823

ourair.org @OurAirSBC

Sign Up for Air Alerts

Notice: This e-mail message is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message.

From: Gerardo De Los Santos
Sent: Monday, June 1, 2020 3:18 PM
To: Julio Corona <jic@california-asphalt.com>
Subject: RE: Santa Barbara County APCD - Account Statement

Hi Julio,

I am reaching out in regards to the first CAP, Inc. payment that was due 5/25/20 in the amount of $3,268.84 per the installment schedule that was submitted to the APCD. Please advise when we can expect the payment.

Thank you,

Gerardo De Los Santos
Accounting Technician
Air Pollution Control District
Santa Barbara County

DeLosSantosG@sbcapcd.org
805.961.8823

ourair.org @OurAirSBC

Sign Up for Air Alerts

Notice: This e-mail message is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message.

From: Julio Corona <jic@california-asphalt.com>
Sent: Wednesday, April 22, 2020 5:09 PM
To: Gerardo De Los Santos <DeLosSantosG@sbcapcd.org>
Subject: RE: Santa Barbara County APCD - Account Statement

Understood, Thank you Gerardo!

California Asphalt Production, Inc.
1660 Sinton Rd. Santa Maria CA 93458
Julio Corona
Refinery Operations Manager
C : 805.310.3596

From: Gerardo De Los Santos [mailto:DeLosSantosG@sbcapcd.org]
Sent: Wednesday, April 22, 2020 3:51 PM
To: Julio Corona
Subject: RE: Santa Barbara County APCD - Account Statement

Hi Julio,

We understand the hardship that all business including CAP Inc. are going through during the COVID-19 pandemic. Therefore, the District will accept CAP's payment plan proposal. In addition, we will suspend the upcoming late fees on the current invoices for May 2020. However, if CAP Inc. does not meet the requirements of the payment plan then we will start assessing late fees again at that point.

I appreciate you reaching out. Stay safe and healthy.

Best Regards,

Gerardo De Los Santos
Accounting Technician
Santa Barbara County Air Pollution Control District
260 N. San Antonio Rd. Suite A
Santa Barbara, CA 93110
Phone: (805) 961-8800
Direct: (805) 961-8823
OurAir.org
twitter.com/OurAirSBC

Notice: This e-mail message is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message.

From: Julio Corona <jic@california-asphalt.com>
Sent: Wednesday, April 22, 2020 10:23 AM
To: Gerardo De Los Santos <DeLosSantosG@sbcapcd.org>
Subject: RE: Santa Barbara County APCD - Account Statement

Hello Gerardo,
California Asphalt Production plant has been and continues to be offline since November 2019, and this has had a critical impact on sales and resulting revenue. Now, we are all having to address the critical consequences regarding the COVID-19 pandemic and the drop of crude oil prices. CAP is respectfully asking the Santa Barbara County Air Pollution Control District to consider the financial burden to CAP in reaching a payment plan.

CAP proposes the following conclusion to reach a settlement under this critical situation:

Payments to cover invoice- (#03375, #03666, #4037, #4240, #4380, #4393, #4400):
1st month (May 25th) – $3268.84
2nd month (June 25th) – $3268.84
3rd month (July 25th) - $3268.84
$9806.52

I look forward to receiving the Santa Barbara County Air Pollution Control District acceptance.

Regards,

California Asphalt Production, Inc.
1660 Sinton Rd. Santa Maria CA 93458
Julio Corona
Refinery Operations Manager
C : 805.310.3596

From: Gerardo De Los Santos [mailto:DeLosSantosG@sbcapcd.org]
Sent: Tuesday, April 14, 2020 3:26 PM
To: jic@california-asphalt.com
Subject: Santa Barbara County APCD - Account Statement

Hi Julio Corona,

I received your message along with your request for the most current account statement for California Asphalt Production company. I attached the statement along with the most recent late fee invoices that will mailed out. Please see attached.

Let me know you if you have any questions.

Thank you,

Gerardo De Los Santos
Accounting Technician
Santa Barbara County Air Pollution Control District
Phone: (805) 961-8800
Direct: (805) 961-8823
OurAir.org
twitter.com/OurAirSBC

Notice: This e-mail message is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message.

EXHIBIT 6e

Gerardo De Los Santos (APCD) June 25, 2020
E-Mail

Gerardo De Los Santos

From: Gerardo De Los Santos
Sent: Thursday, June 25, 2020 8:35 AM
To: Julio Corona
Subject: Santa Barbara County APCD - Missed Installment payments

Good Morning Julio,

I am following up in regards to CAP's missed installment payments. Based on the payment plan proposal submitted we were scheduled to receive a second installment payment today 6/25/20. I have attempted to contact you by phone but your voicemail is full, therefore not able to leave a message. Please advise when we can expect these payments.

Thank you,

Gerardo De Los Santos
Accounting Technician
Air Pollution Control District
Santa Barbara County

DeLosSantosG@sbcapcd.org
805.961.8823

ourair.org @OurAirSBC

Sign Up for Air Alerts

Notice: This e-mail message is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message.

EXHIBIT 6f

Gerardo De Los Santos (APCD) October 22, 2020 E-Mail

Gerardo De Los Santos

From: Gerardo De Los Santos
Sent: Thursday, October 22, 2020 11:36 AM
To: Julio Corona
Subject: Santa Barbara County APCD - Payment Plan Default Notice/Collection Letters
Attachments: 2020-10-22 CAP Inc. - Payment Plan Default Notice_Collection Letters.pdf

Importance: High

Dear Julio Corona,

Notice is hereby given that California Asphalt Production, Inc. has defaulted in the payment plan arrangement requested on April 22, 2020. The entire amount is now past due. The District will resume assessing penalty fees on the balance. Please submit payment for all outstanding invoices and penalty fees. This notice will also be mailed via certified mail to California Asphalt Production Inc.

Please let me know if you have any questions.

Best Regards,

Gerardo De Los Santos
Accounting Technician
Air Pollution Control District
Santa Barbara County

DeLosSantosG@sbcapcd.org
805.961.8823

ourair.org @OurAirSBC

Sign Up for Air Alerts

Notice: This e-mail message is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message.

EXHIBIT 6g

David Harris (APCD) October 29, 2020 E-Mail

From:	David I. Harris
To:	"jic@california-asphalt.com"
Subject:	Past Due Invoices
Date:	Thursday, October 29, 2020 9:20:00 AM
Attachments:	CAP statement as of 10-28-20.pdf
Importance:	High

Hi Julio,

Please be aware that California Asphalt Production (CAP) has several outstanding invoices that are currently incurring 10% late fees every 30 days that they are delinquent. If these past due invoices are not resolved in a timely manner, per Rule 210.V, our next steps will be to initiate action to revoke your APCD permits. I've attached a current statement of outstanding invoices for your review. Please advise when a payment will be submitted to bring the CAP account current.

Thank you for your prompt attention to this matter, and please let me know if you have any questions or concerns.

Sincerely,

David Harris
Engineering Manager
Air Pollution Control District
Santa Barbara County

HarrisD@sbcapcd.org
805.961.8824

ourair.org **@OurAirSBC**

Sign Up for Air Alerts

EXHIBIT 6h

Gerardo De Los Santos (APCD) November 23, 2020 E-Mail

Gerardo De Los Santos

From: Gerardo De Los Santos
Sent: Monday, November 23, 2020 1:46 PM
To: Julio Corona
Subject: Santa Barbara County APCD - Payment Plan Default Notice/Collection Letters
Attachments: CAP Inc. - 11-23-20 Collection Letters - Account Statement.pdf

Importance: High

Dear Julio Corona,

The District resumed assessing penalty fees on California Asphalt Production Inc's outstanding invoices. Please submit payment for all outstanding invoices and penalty fees. Please see attached.

This notice will also be mailed via certified mail to California Asphalt Production Inc.

Please let me know if you have any questions.

Best Regards,

Gerardo De Los Santos
Accounting Technician
Air Pollution Control District
Santa Barbara County

DeLosSantosG@sbcapcd.org
805.961.8823

ourair.org @OurAirSBC

Sign Up for Air Alerts

Notice: This e-mail message is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message.

EXHIBIT 6i

Gerardo De Los Santos (APCD) December 23, 2020 E-Mail

From: Gerardo De Los Santos [mailto:DeLosSantosG@sbcapcd.org]
Sent: Wednesday, December 23, 2020 4:06 PM
To: Julio Corona
Subject: Santa Barbara County APCD - Collection Notice

Dear Julio Corona,

The District resumed assessing penalty fees on California Asphalt Production Inc.'s outstanding invoices. Please submit payment for all outstanding invoices and penalty fees. Please see attached, up to date account statement, collection letters and penalty fees. This correspondence will also be mailed be certified mail.

Please reach out if you have any questions.

Best Regards,

Gerardo De Los Santos
Accounting Technician
Air Pollution Control District
Santa Barbara County

DeLosSantosG@sbcapcd.org
805.961.8823

ourair.org @OurAirSBC

Sign Up for Air Alerts

Notice: This e-mail message is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is proh bited. If you are not the intended recipient, please contact the sender by reply e-mail and destroy all copies of the original message.

EXHIBIT 6j

Julio Corona (HELT) December 27, 2020 E-Mail

From: Julio Corona <jic@helt-group.com>
Sent: Sunday, December 27, 2020 10:03 AM
To: Gerardo De Los Santos <DeLosSantosG@sbcapcd.org>
Subject: RE: Santa Barbara County APCD - Collection Notice

Hello Gerardo, moving forward please CC ASP@CALIFORNIA-ASPHALT.COM he is the new refinery manager.

Thanks!

HELT
1700 Sinton Rd. Santa Maria CA 93458

Julio Corona

Julio Corona
Operations Manager
P: 805.347.8700
C: 805.310.3596
jic@helt-group.com

EXHIBIT 6k

David Harris (APCD) January 4, 2021 E-Mail and Letter

From:	Maria Sales
To:	Julio Corona; ASP@CALIFORNIA-ASPHALT.COM
Cc:	David I. Harris
Subject:	CAP 2021 Warning Letter
Date:	Monday, January 4, 2021 3:39:29 PM
Attachments:	CAP 2021 Warning Letter.pdf

Dear Sirs,

Attached is a copy of the CAP Warning Letter.

A hard copy of this letter will be mailed out as well.

Should you have any questions, please contact David Harris at (805) 961-8824.

Thank You,

Have a great day!

Maria San Juana Sales

Office Technician
Air Pollution Control District
Santa Barbara County

SalesM@sbcapcd.org
(805) 961-8866

ourair.org **@OurAirSBC**

Sign Up for Air Alerts

apcd air pollution control district
SANTA BARBARA COUNTY

Via Certified Mail
Return Receipt Requested

9171 9690 0935 0250 8818 90

January 4, 2021

Randeep S. Grewal, CEO
M. Ernesto Olivares, Secretary and CFO
Julio Corona, Refinery Operations Manager
California Asphalt Production, Inc.
P.O. Box 1220
Santa Maria, CA 93456

Lo Saechao, Agent for Service of Process
Capitol Corporate Services, Inc.
455 Capitol Mall Complex
Suite 217, Sacramento, CA 95814

Re: Past Due Invoices

Dear Sirs,

California Asphalt Production, Inc. is past due in paying Air Quality Attainment Plan Fees, Large Annual Emissions Fees, Source Test Fees, and AB2588 Air Toxics Hot Spots Fees. The attached Statement shows the individual invoices that are outstanding (defined as any unpaid invoice over 30 days old). As can be seen, California Asphalt Production has invoices and penalty fees totaling **$21,135.80** that are unpaid and outstanding. Any invoice past due after 60 days from the original invoice date is subject to the 10 percent monthly penalty fee per Rule 210.V.A.2.

I strongly urge that California Asphalt Production fully pay all outstanding invoices and penalty fees.

You are hereby notified that if payment is not received, the District will be bringing this matter before our Hearing Board to request issuance of an **Order of Revocation** of Permit to Operate 8259-R11, Permit to Operate 11651-R4, Permit to Operate 15241, Permit to Operate 15361 and Authority to Construct 15342 pursuant to Health and Safety Code section 42307 and 42309(e)(4). Our request will be made pursuant to Health & Safety Code Sections 42307 and 42309(e).

Please contact me if you have any questions regarding this matter.

Sincerely,

David Harris
Engineering Manager

ATTACHMENT: Invoice Statement

air pollution control district
SANTA BARBARA COUNTY

260 N San Antonio Road
Suite A
Santa Barbara, CA 93110
Phone: 805-961-8891

ACCOUNT STATEMENT

Billed To:
California Asphalt Production Inc.
Julio Corona
PO Box 1220
Santa Maria, CA 93456

DATE: 12/23/2020
TOTAL DUE: $21,135.80

CUSTOMER ACCOUNT # : 110655

Date	Type	Number	Due	Description	Amount	Payments	Balance
1/6/2020	I	INV03375	2/6/2020	AQAP - 53847	1,137.35	0.00	1,137.35
1/31/2020	I	INV03666	3/1/2020	Source Test 12277, 12279, 21569, 21570 - 53823	7,540.28	0.00	7,540.28
2/13/2020	I	INV04037	3/13/2020	AB2588 Air Toxics Hot Spots - 54326	134.00	0.00	134.00
3/10/2020	I	INV04240	4/10/2020	53847- 60	113.73	0.00	113.73
4/9/2020	I	INV04380	5/9/2020	53823- 60	754.02	0.00	754.02
4/14/2020	I	INV04393	5/14/2020	53847- 90	113.73	0.00	113.73
4/14/2020	I	INV04400	5/14/2020	54326- 60	13.40	0.00	13.40
5/19/2020	I	INV04695	6/19/2020	LAEF - 55758	6,681.42	0.00	6,681.42
10/22/2020	I	INV05184	11/22/2020	53823- 90	754.02	0.00	754.02
10/22/2020	I	INV05185	11/22/2020	53847- 120	113.73	0.00	113.73
10/22/2020	I	INV05186	11/22/2020	54326- 90	13.40	0.00	13.40
10/22/2020	I	INV05187	11/22/2020	55758- 60	668.14	0.00	668.14
11/23/2020	I	INV05279	12/23/2020	53823- 120	754.02	0.00	754.02
11/23/2020	I	INV05280	12/23/2020	54326- 120	13.40	0.00	13.40
11/23/2020	I	INV05281	12/23/2020	53847- 150	113.73	0.00	113.73
11/23/2020	I	INV05282	12/23/2020	55758- 90	668.14	0.00	668.14
12/23/2020	I	INV05530	1/23/2021	53823- 150	754.02	0.00	754.02
12/23/2020	I	INV05531	1/23/2021	54326- 150	13.40	0.00	13.40
12/23/2020	I	INV05532	1/23/2021	53847- 180	113.73	0.00	113.73
12/23/2020	I	INV05533	1/23/2021	55758- 120	668.14	0.00	668.14

Current	30-60	60-90	90-120	>120	Unapplied Credits	Balance
3,098.58	0.00	1,549.29	0.00	16,487.93	0.00	$21,135.80

For questions, contact Gerardo De Los Santos at 805-961-8823

REMIT TO:

Santa Barbara County
Air Pollution Control District
260 N San Antonio Road, Suite A
Santa Barbara, CA 93110

Customer Number: 110655
Total Due: $21,135.80

Please return this portion with your remittance.
Thank you!

Exhibit 7 a

Permit to Operate 8259-R11

air pollution control district
SANTA BARBARA COUNTY

Permit to Operate 08259 - R11

EQUIPMENT OWNER:

California Asphalt Production, Inc.

EQUIPMENT OPERATOR:

California Asphalt Production, Inc.

EQUIPMENT LOCATION:

1660 Sinton Road, Santa Maria

STATIONARY SOURCE/FACILITY:

Santa Maria Asphalt Refinery

SSID: 04640
FID: 00037

EQUIPMENT DESCRIPTION:

The equipment subject to this permit is listed in the table at the end of this permit.

PROJECT/PROCESS DESCRIPTION:

Crude feedstock is transported to storage tanks and then to the flash and fractionator towers where the vapors and bottoms are separated eventually into naphtha, kerosene distillate, gas oil and asphalt. The asphalt can be used for paving, mixed with gas oil, or combined with water and emulsifiers to produce emulsified asphalt. Liquid asphalt is stored in heated tanks and loaded via loading racks. Naphtha, distillate and gas oil are also stored. Loading racks are used to transfer these products into trucks.

CONDITIONS:

1. **Emission Limitations.** The mass emissions from the equipment permitted herein shall not exceed the values listed in Table 1. Compliance shall be based on the operational, monitoring, recordkeeping and reporting conditions of this permit.

   a. *Oxides of Nitrogen (NO_x) Emission Limits*:

      i. Emissions of NO_x (as NO_2) from Crude Heater 1, Crude Heater 2, Crude Heater 3, Wicks Boiler, Miura Boiler 2, Miura Boiler 3, Asphalt Heater 4, and Hot Oil Heater shall not exceed a NO_x stack concentration of 30 ppmv @ 3% O_2 or a NO_x stack emission rate of 0.0360 lb/MMBtu.

      ii. Emissions of NO_x (as NO_2) from Seattle Boiler shall not exceed a NO_x stack concentration of 12 ppmv @ 3% O_2 or a NO_x stack emission rate of 0.0144 lb/MMBtu.

   b. *Carbon Monoxide (CO) Emission Limits*:

      i. Emissions of CO from Crude Heater 1, Crude Heater 2, Crude Heater 3, Wicks Boiler, and Asphalt Heater 4 shall not exceed 48 ppmv at 3% O_2 or a CO stack emission rate of 0.0356 lb/MMBtu.

      ii. Emissions of CO from Miura Boiler 2 and Miura Boiler 3 shall not exceed 225 ppmv at 3% O_2 or a CO stack emission rate of 0.1670 lb/MMBtu.

      iii. Emissions of CO from the Hot Oil Heater and Seattle Boiler shall not exceed 50 ppmvd at 3% O_2 or a CO stack emission rate of 0.0371 lb/MMBtu.

2. **Operational Restrictions.** The permitted equipment is subject to the following operational restrictions:

   a. *Throughput Limitations*: The following throughput limitations shall not be exceeded:

Oil Throughput Through the Distillation Plant (i)	11,000	bbl/day
Gas Oil Throughput Tank T-10007 (i)	10,000	bbl/day
Naphtha Throughput Tank T-10008 (i)	461	bbl/day
Oil Throughput Tank T-10009 (i)	7,000	bbl/day
Gas Oil Throughput Tank T-10009 (i)	7,000	bbl/day
Gas Oil Throughput Tank T-25001 (i)	10,000	bbl/day
Oil Throughput Tank T-27001 (i)	6,000	bbl/day
Oil Throughput Tank T-40001 (i)	6,000	bbl/day
Oil Throughput Tank T-40002 (i)	6,000	bbl/day
Daily Truck Loading of Naphtha (ii)	5,040	bbl/day
Annual Truck Loading of Naphtha (iii)	168,420	bbl/year

Daily Truck Loading of Distillate [ii]	10,000	bbl/day
Annual Truck Loading of Distillate [iii]	3,650,000	bbl/year

[i] Calculated as monthly throughput divided by the number of producing days.
[ii] Compliance based on daily operator logs.
[iii] Compliance based on total annual throughput trucked from the facility as noted by daily logs.

Compliance with this condition shall be assessed through compliance with monitoring, recordkeeping, and reporting conditions.

b. *Tanks (Device IDs: 000356, 000362, 000363, 000364, 000365, 000366, 000372):*

i. Tanks T-10009, T-27001 and T-40001 shall be connected to a properly operating vapor recovery system at all times they are in use. The vapor recovery system shall be maintained and operated to minimize the release of emissions from all systems, including pressure relief valves and gauge hatches.

ii. If Tank T-10008 is either unavailable to receive naphtha due to tank repairs, or inventories of naphtha exceed its capacity, the permittee may store naphtha in Tank T-10007.

iii. *Tank T-40002 Restrictions*:

1. Secondary seals shall extend from the roof to the tank shell, shall not be attached to primary seals, and shall not be shoe-mounted.

2. All openings in the roof, except pressure vacuum valves and automatic bleeder vents, shall provide a projection at least two (2) inches below the liquid surface to prevent belching of liquid and to reduce escaping vapors. All openings and fittings shall be covered and shall have gaskets at all times with no visible gap, except when in use. For inaccessible openings on internal floating roof tanks, there shall be no visible gaps as viewed from the fixed roof manway, except when the opening is in use.

3. Pressure-vacuum valves shall be set in accordance with appropriate recommendations of the American Petroleum Institute, shall be properly installed, properly maintained, and in good operating order, and shall remain in a leak-free condition except when operating pressure exceeds the valve set pressure.

4. Solid sampling or gauging wells, and similar fixed projections through a floating roof such as an anti-rotational pipe, shall meet the following conditions:

   a. The well shall provide a projection at least two (2) inches below the liquid surface.

   b. The well shall be equipped with a cover, seal or lid, which shall at all times be in a closed position with no gap exceeding 1/8 inch, except when the well is in use.

   c. The gap between the well and the roof shall be added to the gaps measured to determine compliance of the secondary seal and in no case shall exceed 1/2 inch.

5. Slotted sampling or gauging wells shall meet the following conditions:

   a. The well shall provide a projection at least two (2) inches below the liquid surface.

   b. The well shall have an internal float designed to minimize the gap between the float and the well, provided that the gap in no case exceeds 1/2 inch.

   c. The gap between the well and the roof shall be added to the gaps measured to determine compliance of the secondary seal and in no case shall exceed 1/2 inch.

6. Any emergency roof drain that drains back to the stored liquid shall be provided with a slotted membrane fabric cover, or equivalent, that covers at least 90% of the area of the opening.

7. The metallic shoe-type seal shall meet the following conditions:

   a. One end of the shoe shall extend at least two (2) inches into the stored liquid and the other end shall extend a minimum vertical distance of 24 inches above the liquid surface.

   b. The gap between the shoe and tank wall shall not exceed three (3) inches for a welded tank or five (5) inches for a riveted tank at any point from the liquid surface to 18 inches above it.

   c. The closure device shall consist of two seals, one above the other, the one below shall be referred to as the primary seal and the one above shall be referred to as the secondary seal

d. There shall be no holes or tears in, or other openings which allow the emission of reactive organic compound vapors through the primary or secondary seals.

8. There shall be no holes or tears in, or openings in the seal or seal fabric which allow the emission of reactive organic compound vapors through the secondary seal or in the primary seal envelope surrounding the annular vapor space enclosed by the roof edge, seal fabric, and secondary seal.

9. The secondary seal shall be a zero gap seal. A zero gap secondary seal shall meet the following conditions:

   a. No gap between the tank shell and the primary seal shall exceed 1-1/2 inches.

   b. No continuous gap in the primary seal greater than 1/8 inch shall exceed 10% of the circumference of the tank

   c. The cumulative length of all primary seal gaps exceeding ½ inch shall be not more than 10% of the circumference and the cumulative length of all primary seal gaps exceeding 1/8 inch shall be not more than 40% of the circumference.

10. There shall be no visible or measurable gap between the tank shell and the secondary seal, excluding gaps less than two (2) inches from vertical weld seams.

11. The oil level in the tank shall not drop below 11 feet for more than 30 days each calendar year.

iv. *Tank T-10008 Restrictions*:

1. Secondary seals shall extend from the roof to the tank shell, shall not be attached to primary seals, and shall not be shoe-mounted.

2. All openings in the roof, except pressure vacuum valves and automatic bleeder vents, shall provide a projection at least two (2) inches below the liquid surface to prevent belching of liquid and to reduce escaping vapors. All openings and fittings shall be covered and shall have gaskets at all times with no visible gap, except when in use. For inaccessible openings on internal floating roof tanks, there shall be no visible gaps as viewed from the fixed roof manway, except when the opening is in use.

3. Pressure-vacuum valves shall be set in accordance with appropriate recommendations of the American Petroleum Institute, shall be properly installed, properly maintained, and in good operating order, and shall remain in a leak-free condition except when operating pressure exceeds the valve set pressure.

4. Solid sampling or gauging wells, and similar fixed projections through a floating roof such as an anti-rotational pipe, shall meet the following conditions:

   a. The well shall provide a projection at least two (2) inches below the liquid surface.

   b. The well shall be equipped with a cover, seal or lid, which shall at all times be in a closed position with no gap exceeding 1/8 inch, except when the well is in use.

   c. The gap between the well and the roof shall be added to the gaps measured to determine compliance of the secondary seal and in no case shall exceed 1/2 inch.

5. Slotted sampling or gauging wells shall meet the following conditions:

   a. The well shall provide a projection at least two (2) inches below the liquid surface.

   b. The well shall have an internal float designed to minimize the gap between the float and the well, provided that the gap in no case exceeds 1/2 inch.

   c. The gap between the well and the roof shall be added to the gaps measured to determine compliance of the secondary seal and in no case shall exceed 1/2 inch.

6. Any emergency roof drain that drains back to the stored liquid shall be provided with a slotted membrane fabric cover, or equivalent, that covers at least 90% of the area of the opening.

7. The metallic shoe-type seal shall meet the following conditions:

   a. One end of the shoe shall extend at least two (2) inches into the stored liquid and the other end shall extend a minimum vertical distance of 24 inches above the liquid surface.

b. The gap between the shoe and tank wall shall not exceed three (3) inches for a welded tank or five (5) inches for a riveted tank at any point from the liquid surface to 18 inches above it.

c. The closure device shall consist of two seals, one above the other, the one below shall be referred to as the primary seal and the one above shall be referred to as the secondary seal.

d. There shall be no holes or tears in, or other openings which allow the emission of reactive organic compound vapors through the primary or secondary seals.

v. For tanks with secondary seals, the primary seal envelope shall be made available for unobstructed inspection by the District for the full circumference at the following times:

1. Prior to installation of the secondary seal.

2. Every ten (10) years.

3. If the secondary seal is voluntarily removed by the owner or operator, it shall be made available for such inspection at that time. The owner or operator shall provide notification to the District no less than 72 hours prior to voluntary removal of the secondary seal.

c. *External Combustion Equipment (Device IDs: 000345, 000346, 000347, 000348, 000349, 000350, 000352, 005833, 006240, 100922, 112727, 387607):*

i. *Heat Input Limits*: The hourly, daily, and annual heat input limits to each combustion unit shall not exceed the values listed below. These limits are based on the design ratings of this equipment and the annual heat input value as provided by the permittee. Unless otherwise designated by the District, the following fuel heat contents shall be used for determining compliance: Field Gas = 1,200 Btu/scf, PUC Quality Natural Gas =1,050 Btu/scf.

Equipment ID	Device ID	MMBtu/hr	MMBtu/day	MMBtu/year
Crude Heater 1	000345	12.800	307.200	112,128.000
Crude Heater 2	000346	18.000	432.000	157,680.000
Crude Heater 3	000347	11.000	264.000	96,360.000
Wicks Boiler	000352	25.000	600.000	210,000.000
Miura Boiler 2	112727	12.600	302.400	110,376.000
Miura Boiler 3	100922	12.400	297.600	108,624.000
Seattle Boiler	387607	21.840	524.160	191,318.400
Asphalt Heater 1	000348	4.500	108.000	37,800.000
Asphalt Heater 2	005833	4.500	108.000	37,800.000
Asphalt Heater 3	000349	3.500	84.000	23,520.000
Asphalt Heater 4	000350	9.000	216.000	60,520.000
Hot Oil Heater	006240	4.000	96.000	35,040.000

ii. *Gaseous Fuel Sulfur Limit:*

1. *Field Gas Fuel Sulfur Limit*: The total sulfur content (calculated as H_2S at standard conditions, 60 °F and 14.7 psia) of the field gas combusted at the facility shall not exceed 200 ppmv.

2. *Public Utility Natural Gas Fuel Sulfur Limit*: The total sulfur and hydrogen sulfide (H_2S) content (calculated as H_2S at standard conditions, 60 °F and 14.7 psia) of the PUC quality natural gas fuel combusted at the facility shall not exceed 80 ppmv and 4 ppmv respectively. Compliance with this condition shall be based on billing records or other data showing that the fuel gas is obtained from a public utility gas company.

3. *Tail Gas Fuel Sulfur Limit*: The total sulfur content (calculated as H_2S at standard conditions, 60 °F and 14.7 psia) of the tail gas combusted at the facility shall not exceed 796 ppmv.

iii. *Approved Fuels:*

1. *Crude Heater 1 Approved Fuels.* Crude Heater 1 shall only be fired on PUC quality natural gas, field gas, and tail gas.

2. *Crude Heater 2 Approved Fuels.* Crude Heater 2 shall only be fired on PUC quality natural gas, field gas, and tail gas.

3. *Crude Heater 3 Approved Fuels.* Crude Heater 3 shall only be fired on PUC quality natural gas, field gas, and tail gas.

4. *Wick Boiler Approved Fuels.* Wicks Boiler shall only be fired on PUC quality natural gas, field gas, and tail gas.

5. *Asphalt Heater 1 Approved Fuels.* Asphalt Heater 1 shall only be fired on PUC quality natural gas.

6. *Asphalt Heater 2 Approved Fuels.* Asphalt Heater 2 shall only be fired on PUC quality natural gas.

7. *Asphalt Heater 3 Approved Fuels.* Asphalt Heater 3 shall only be fired on PUC quality natural gas.

8. *Asphalt Heater 4 Approved Fuels.* Asphalt Heater 4 shall only be fired on PUC quality natural gas, field gas, and tail gas.

9. *Muira Boiler 2 Approved Fuels.* Muira Boiler 2 shall only be fired on PUC quality natural gas and field gas.

10. *Muira Boiler 3 Approved Fuels.* Muira Boiler 3 shall only be fired on PUC quality natural gas and field gas.

11. *Seattle Boiler Approved Fuels.* Seattle Boiler shall only be fired on PUC quality natural gas.

12. *Hot Oil Heater Approved Fuels.* Hot Oil Heater shall only be fired on PUC quality natural gas.

iv. *Anhydrous Ammonia*: The use, storage or transportation of anhydrous ammonia at this facility is prohibited.

d. *SulfaTreat H_2S Removal System (Device IDs: 106436 and 106437):*

i. The SulfaTreat system shall be operated in a lead/lag configuration (i.e. tail gas vapors shall be initially processed through the Dry Bed Contactor D-80 vessel then through the Dry Bed Contactor D-205 lag vessel prior to incineration). The only time processing of vapors is allowed through a single vessel is during change out of spent SulfaTreat material in either vessel.

ii. Vapors from Drum D-101 and the naphtha loading rack shall be routed through the SulfaTreat system prior to incineration.

e. *Naphtha Loading Rack (Device ID: 000371):*

i. The loading rack shall be properly connected, properly operating, and all truck hatches shall be closed during loading operations. This vapor recovery system shall be maintained and operated such that a vapor control efficiency of 95% (by weight) is achieved.

ii. A submerged fill pipe shall be utilized when loading naphtha into trucks.

iii. The vapor recovery system shall operate whenever asphalt is being loaded.

f. *Miscellaneous:*

i. Only slow cure cutback asphalt shall be processed. Slow cure asphalt is defined by the American Society for Testing and Materials (ASTM) D2026.

ii. The use of cleaning agents containing sodium hydroxide (NaOH) is prohibited at the facility. To obtain approval for the use of cleaning agents that contain NaOH at the facility, the permittee must submit a permit application with a facility-wide health risk assessment demonstrating that the use of such agents will not create a significant health risk. As part of the permit application, the MSDS for any new cleaning agents must be submitted, along with an estimated maximum hourly usage and annual usage.

iii. The use of any cleaning agents other than water is prohibited in the process area of the facility. To obtain approval for the use of cleaning agents other than water in the process area, the permittee must submit a permit application with a facility-wide health risk assessment demonstrating that the use of such agents will not create a significant health risk. As part of the permit application, the MSDS for any new cleaning agents must be submitted, along with an estimated maximum hourly usage and annual usage.

3. **Monitoring.** The equipment permitted herein is subject to the following monitoring requirements:

a. The daily, monthly, and annual volume of oil processed through the distillation plant.

b. *Tanks (Device IDs: 000356, 000362, 000363, 000364, 000365, 000366, 000372):*

i. The total volume of crude oil transferred monthly to Tanks T-40001, T-40002, T-10009, and T-27001.

ii. The total volume of gas oil transferred monthly to Tanks T-10007, T-10009, and T-25001.

iii. The total volume of naphtha transferred monthly to Tanks T-10007 and T-10008.

iv. The permittee shall monitor if naphtha is storage in Tank T-10007 due to unavailability of Tank T-10008 due to tank repairs or inventories of naphtha exceeding Tank T-10008 storage capacity.

v. On an annual basis, the API gravity of the naphtha in Tank T-10008 shall be measured in accordance with District Rule 325.G.

vi. On an annual basis, the API gravity and true vapor pressure at the maximum expected storage temperature of the stored crude oil in each storage tank shall be measured in accordance with District Rule 326.K.

vii. For all applicable tank primary seals, actual gap measurements shall be recorded upon installation or replacement of primary seals, or prior to installation of secondary seals, and at least once every five (5) years thereafter. If the secondary seal is a "zero gap seal" as per Section G.5 in Rule 326, then actual gap measurements of the primary seal shall be recorded at least once every 10 years. For all secondary seals, actual gap measurements shall be recorded on an annual basis.

viii. The number of days and dates the oil level in Tank T-40002 dropped below 11 feet.

ix. Requirements specified in 40 CFR Part 60 Subpart Kb, Section 60.115b (b) and District Rule 326.J.

c. *External Combustion Equipment (Device IDs: 000345, 000346, 000347, 000348, 000349, 000350, 000352, 005833, 006240, 100922, 112727, 387607):*

i. The volume of gaseous fuel (in units of scf) combusted in Crude Heater 1, Crude Heater 2, Crude Heater 3, Wicks Boiler, Miura Boiler 2, Miura Boiler 3, Asphalt Heater 1, Asphalt Heater 2, Asphalt Heater 3, Asphalt Heater 4, Seattle Boiler, and Hot Oil Heater used shall be measured through the use of a dedicated District-approved calibrated non-resettable totalizing fuel meters. The meters shall be temperature and pressure corrected. The fuel meters shall be accurate to within five percent (5%) of the full-scale reading. The meters shall be calibrated according to manufacturer's specifications and the calibration records shall be made available to the District upon request. The fuel meters shall be operated in accordance with the District-approved *Fuel Use Monitoring Plan (FUMP)*. As an alternative to temperature and pressure-corrected fuel meters, California Asphalt Production may propose, for District approval, a fuel metering system that accurately measures fuel use in terms of standard cubic feet. Such proposal shall be incorporated into the *Fuel Use Monitoring Plan.*

ii. *Miura Boiler 2 and Miura Boiler 3*:

1. Every two weeks fuel usage (in units of scf) of the units shall be monitored by logging the start and stop fuel meter readings and taking the difference.

2. The number of days each unit operated for each two-week period for which fuel use is recorded.

3. Monthly fuel usage (in units of scf) for each unit.

4. Annual fuel usage (in units of scf) and heat input (in units of MMBtu/year) for each unit.

iii. *Seattle Boiler*: The following compliance determinations are applicable to this equipment:

1. Units Rated at 5.000 MMBtu/hr and Greater: Except for units that are granted a Rule 342 low use exemption, source testing shall be performed in accordance with the Source Testing Condition of this permit and Rule 342. Units granted the low use exemption shall tune the unit at least once every 12 months following the tuning procedure in Attachment 1 of Rule 342 or an alternative tuning procedure approved by the District.

iv. The permittee shall take monthly H_2S concentration measurements (in units of ppmv) via colorimetric detection tube of the field gas combusted at the facility. The sampling point shall be at the field gas inlet to the facility (i.e. in the vicinity of the Barton meter). If any measurement exceeds 200 ppmv H_2S, the permittee shall implement monthly colorimetric detection tube sampling at the following locations to be approved by the District: one immediately upstream of the asphalt heaters and which is representative of the fuel gas to these units; one immediately upstream of the crude oil heaters and which is representative of the fuel gas to these units, and one immediately upstream of the boilers and which is representative of the fuel gas to these units.

v. The high heating value (HHV) of the field gas (in units of Btu/scf) measured annually by ASTM-D3588 or other method acceptable to the District.

vi. The permittee shall obtain a field gas sample annually and analyze for total sulfur in accordance with ASTM-D1072 or by a District-approved equivalent method.

vii. The H_2S concentration of the tail gas routed to the crude heaters shall be measured weekly by colorimetric detection tube or a District-approved alternate method. Sampling shall occur immediately downstream of vessel Dry Bed Contactor D-80.

viii. Maintenance logs for the combustion units, emission control systems, fuel meters, and low NO_x burners.

d. *SulfaTreat H_2S Removal System (Device IDs: 106436 and 106437):*

i. The flow of tail gas processed through the SulfaTreat System shall be measured by a non-resettable totalizing flow meter. This flow meter shall be installed downstream of the Dry Bed Contactor D-205 vessel. The meter shall be calibrated according to manufacturer's specifications and the District-approved *Process Monitor Calibration and Maintenance Plan*. Calibration and maintenance records shall be made available to the District upon request.

ii. Date(s) of H_2S breakthrough and the corresponding H_2S concentration(s);

iii. Dates of SulfaTreat changeout for each vessel and corresponding flow meter reading.

iv. All instances in which a colorimetric detection tube reading indicated an exceedance of 796 ppmv H_2S.

v. The date(s) and duration in which the SulfaTreat system is bypassed and untreated tail gas is routed to the crude heaters.

e. *Naphtha Loading Rack (Device ID: 000371):*

i. Daily logs documenting the volume (in units of bbls) and dates of naphtha shipments.

ii. The total annual amount (in units of bbls) of naphtha trucked from the facility.

f. *Miscellaneous:*

i. The volume of naphtha produced each month and the number of days that naphtha was produced.

ii. The types and amounts of slow cure cutback asphalt produced.

iii. The amount of coatings and solvents used annually. This information must be logged for each coating or solvent. The log shall list (for each material) the quantity of material used, the VOC content, whether the material is photochemically reactive per the definition of Rule 102, and whether the material was applied to a surface or disposed of. A Material Safety Data Sheet (MSDS), or other product specification sheet, which specifies the VOC content of the material, shall be maintained with the log.

iv. Monitoring required by Rule 325.F, 331.G, and 346.G.

4. **Recordkeeping.** The following records shall be maintained by the permittee and shall be made available to the District upon request:

a. The daily, monthly, and annual volume of oil processed through the distillation plant.

b. *Tanks (Device IDs: 000356, 000362, 000363, 000364, 000365, 000366, 000372):*

i. The total volume of crude oil transferred monthly to Tanks T-40001, T-40002, T-10009, and T-27001.

ii. The total volume of gas oil transferred monthly to Tanks T-10007, T-10009, and T-25001.

iii. The total volume of naphtha transferred monthly to Tanks T-10007 and T-10008.

iv. A log indicating storage of naphtha in Tank T-10007 due to unavailability of Tank T-10008 due to tank repairs or inventories of naphtha exceeding Tank T-10008 storage capacity.

v. The annual measurements made in accordance with District Rule 325.G of the API gravity of the naphtha in Tank T-10008.

vi. The annual measurements made in accordance with District Rule 326.K of the API gravity, and true vapor pressure at the maximum expected storage temperature of the stored crude oil in each storage tank.

vii. The gap measurements required by Condition 3.b.vii shall contain, at a minimum, the following information:

1. Date of inspection and initials of inspector.

2. Actual gap measurements between the tank shell and seals.

3. Data, supported by calculations as necessary, to demonstrate compliance with the requirements of this permit.

4. Any corrective actions or repairs taken to comply with the requirements and the date these actions were taken.

viii. The number of days and dates the oil level in Tank T-40002 dropped below 11 feet.

ix. Requirements specified in 40 CFR Part 60 Subpart Kb, Section 60.115b (b) and District Rule 326.J.

c. *External Combustion Equipment (Device IDs: 000345, 000346, 000347, 000348, 000349, 000350, 000352, 005833, 006240, 100922, 112727, 387607):*

i. The volume (in units of scf) of field gas combusted each month in Crude Heater 1, Crude Heater 2, Crude Heater 3, Wicks Boiler, and Asphalt Heater 4.

ii. The volume (in units of scf) of PUC natural gas combusted each month in Crude Heater 1, Crude Heater 2, Crude Heater 3, Wicks Boiler, Seattle Boiler, Asphalt Heater 1, Asphalt Heater 2, Asphalt Heater 3, Asphalt Heater 4, and Hot Oil Heater.

iii. The number of days per month that the Seattle Boiler operated.

iv. *Miura Boiler 2 and Miura Boiler 3*:

1. Each two-week period's fuel usage (in units of scf) for the units shall be logged by recording the start and stop fuel meter readings and taking the difference.

2. The number of days each unit operated for each two-week period for which fuel use is recorded.

3. Monthly fuel usage (in units of scf) for each unit.

4. Annual fuel usage (in units of scf) and heat input (MMBtu/year) for each unit.

v. Monthly measurements of the field gas total sulfur content in accordance with Condition 3.c.v.

vi. The high heating value (HHV) of the field gas (in units of Btu/scf) measured annually required by Condition 3.c.vi.

vii. Results of the annual field gas analysis for total sulfur in accordance with ASTM-D1072 or by a District-approved equivalent method.

viii. Results of the weekly tail gas colorimetric detection tube readings (or a District-approved alternate).

ix. All instances in which a colorimetric detection tube reading indicated an exceedance of 796 ppmv H_2S.

x. Maintenance logs for the combustion units, emission control systems, fuel meters, and low NO_x burners.

xi. Calibration records of District-approved meters.

xii. Source test reports for all District-required stack emission tests.

d. *SulfaTreat H_2S Removal System (Device IDs: 106436 and 106437):*

i. The average daily and total monthly volume of tail gas processed by the SulfaTreat System as measured by the flow meter. The monthly total shall be determined by totaling the weekly volumes as described in the *Process Monitor Calibration and Maintenance Plan*. The average daily flow shall be determined by dividing the number of days in the month into the corresponding monthly total volume of tail gas processed.

ii. Date(s) of H_2S breakthrough and the corresponding H_2S concentration(s).

iii. Dates of SulfaTreat changeout for each vessel and corresponding flow meter reading.

iv. The date(s) and duration in which the SulfaTreat system is bypassed and untreated tail gas is routed to the crude heaters.

e. *Naphtha Loading Rack (Device ID: 000371):*

i. Daily logs documenting the volume (in units of bbls) and dates of naphtha shipments.

ii. The total annual amount (in units of bbls) of naphtha trucked from the facility.

f. *Miscellaneous:*

i. The volume of naphtha produced each month and the number of days that naphtha was produced.

ii. On an annual basis, the heating value and sulfur content of the PUC natural gas supplied to this facility gas based on utility gas analyses. Additionally, the PUC natural gas supplier's certification that its gas complies with Public Utilities Commission of the State of California General Order 58-A.

iii. The types and amounts of slow cure cutback asphalt produced.

iv. The amount of coatings and solvents used annually. This information must be logged for each coating or solvent. The log shall list (for each material) the quantity of material used, the VOC content, whether the material is photochemically reactive per the definition of Rule 102, and whether the material was applied to a surface or disposed of. A Material Safety Data Sheet (MSDS), or other product specification sheet, which specifies the VOC content of the material, shall be maintained with the log.

v. The maintenance records where excess emissions occur during operations will contain, at a minimum, the following:

1. Permit number, tank identification, type of vapor controls, and initials of personnel performing maintenance.

2. Description of specific maintenance procedure performed.

3. Estimate of excess emissions caused by maintenance procedure and how determined.

4. Start and finish times and dates of maintenance procedure.

vi. Records required by Rule 325.F, 331.G, and 346.G.

5. **Reporting.** By March 1st of each year, a written report documenting compliance with the terms and conditions of this permit for the previous calendar year shall be provided by the permittee to the District (Attn: *Annual Report Coordinator*). The report shall contain information necessary to verify compliance with the emission limits and other requirements of this permit. The report shall be in a format approved by the District. Compliance with all limitations and restrictions shall be documented in the submittals. All logs and other basic source data not included in the report shall be made available to the District upon request. The report shall include the following information:

a. The daily, monthly, and annual volume of oil processed through the distillation plant.

b. *Tanks (Device IDs: 000356, 000362, 000363, 000364, 000365, 000366, 000372):*

i. The total volume of crude oil transferred monthly to Tanks T-40001, T-40002, T-10009, and T-27001.

ii. The total volume of gas oil transferred monthly to Tanks T-10007, T-10009, and T-25001.

iii. The total volume of naphtha transferred monthly to Tanks T-10007 and T-10008.

iv. A log indicating storage of naphtha in Tank T-10007 due to unavailability of Tank T-10008 due to tank repairs or inventories of naphtha exceeding Tank T-10008 storage capacity.

v. The annual measurements made in accordance with District Rule 325.G of the API gravity of the naphtha in Tank T-10008.

vi. The annual measurements made in accordance with District Rule 326.K of the API gravity, and true vapor pressure at the maximum expected storage temperature of the stored crude oil in each storage tank.

vii. The results of gap measurement required by Condition 3.b.vii shall be reported to the District within 30 calendar days after the inspection date.

viii. The number of days and dates the oil level in Tank T-40002 dropped below 11 feet.

ix. Requirements specified in 40 CFR Part 60 Subpart Kb, Section 60.115b (b) and District Rule 326.J.

c. *External Combustion Equipment (Device IDs: 000345, 000346, 000347, 000348, 000349, 000350, 000352, 005833, 006240, 100922, 112727, 387607):*

i. The volume (in units of scf) of field gas combusted each month and annual total in Crude Heater 1, Crude Heater 2, Crude Heater 3, Wicks Boiler, and Asphalt Heater 4.

ii. The volume (in units of scf) of PUC natural gas combusted each month and annual total in Crude Heater 1, Crude Heater 2, Crude Heater 3, Wicks Boiler, Seattle Boiler, Asphalt Heater 1, Asphalt Heater 2, Asphalt Heater 3, Asphalt Heater 4, and Hot Oil Heater.

iii. The number of days per month that the Seattle Boiler operated.

iv. *Miura Boiler 2 and Miura Boiler 3*:

1. Daily fuel usage (in units of scf) determined by dividing the number of days that the boiler operated for each two-week period into the total fuel use for the corresponding two-week period.

2. MMBtu/day based on daily fuel use per the condition above.

3. Monthly fuel usage (in units of scf) for each unit.

4. Annual fuel usage (in units of scf) and heat input (in units of MMBtu/year) for each unit.

v. Monthly measurements of the field gas total sulfur content in accordance with Condition 3.c.v.

vi. The high heating value (HHV) of the field gas (in units of Btu/scf) measured annually required by Condition 3.c.vi.

vii. Results of the annual field gas analysis for total sulfur in accordance with ASTM-D1072 or by a District-approved equivalent method.

viii. The highest daily H_2S concentration for each week of the tail gas.

ix. All instances in which a colorimetric detection tube reading indicated an exceedance of 796 ppmv H_2S.

x. Maintenance logs for the combustion units, emission control systems, fuel meters, and low NO_x burners.

xi. Copy of the most recent fuel meter calibrations.

xii. Source test reports for all District-required stack emission tests.

d. *SulfaTreat H_2S Removal System (Device IDs: 106436 and 106437):*

i. The daily average for each month and total monthly (calendar) volume of tail gas as measured by the flow meter.

ii. Date(s) of H_2S breakthrough and the corresponding H_2S concentration(s).

iii. Dates of SulfaTreat change out for each vessel and corresponding reading off flow meter.

iv. The date(s) and duration in which the SulfaTreat system is bypassed and untreated tail gas is routed to the crude heaters.

e. *Naphtha Loading Rack (Device ID: 000371):*

i. Daily logs documenting the volume (in units of bbls) and dates of naphtha shipments.

ii. The total annual amount (in units of bbls) of naphtha trucked from the facility.

f. *Miscellaneous:*

i. The volume of naphtha produced each month and the number of days that naphtha was produced.

ii. On an annual basis, the heating value and sulfur content of the PUC natural gas supplied to this facility gas based on utility gas analyses. Additionally, the PUC natural gas supplier's certification that its gas complies with Public Utilities Commission of the State of California General Order 58-A.

iii. The types and amounts of slow cure cutback asphalt produced.

iv. The amount of coatings and solvents used annually.

v. The maintenance records where excess emissions occur during operations will contain, at a minimum, the following:

1. Permit number, tank identification, type of vapor controls, and initials of personnel performing maintenance.

2. Description of specific maintenance procedure performed.

3. Estimate of excess emissions caused by maintenance procedure and how determined.

vi. Records required by Rule 325.F, 331.G, and 346.G.

6. **Compliance with New Source Performance Standards for Tanks T-27001 and T-40001.** The permittee shall comply with all applicable requirements of 40 CFR Part 60, Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. (Source: 52 FR 11429, April 8, 1987, unless otherwise noted):

   a. 60.112.b: Standard for volatile organic compounds.

   b. Subsection (3): A closed vent system and control device must meet the following specifications:

      i. The closed vent system shall be designed to collect all VOC vapors and gases discharged from the storage vessel and operated with no detectable emissions as indicated by an instrument reading greater than 500 ppm above background and visual inspection, as determined in part 60, Subpart VV.

      ii. The control device shall be designed and operated to reduce inlet VOC emissions by 95% or greater.

   c. 60.113.b: Testing and procedures.

   d. 60.115.b(b): Reporting and recordkeeping requirements.

   e. 60.116.b: Monitoring of operations

7. **Source Testing.** The following source testing provisions shall apply:

   a. Source testing shall be performed on a biennial basis, using February as the anniversary date, for the following equipment: Crude Heater 1, Crude Heater 2, Crude Heater 3, Wicks Boiler, Miura Boiler 2, Miura Boiler 3, and Asphalt Heater 4. Additionally, source testing shall be performed on a biennial basis, using October as the anniversary date, for the Seattle Boiler. The permittee shall conduct source testing of air emissions and process parameters listed in Table 2 of this permit. More frequent source testing may be required if the equipment does not comply with permitted limitations or if other compliance problems, as determined by the District, occur.

   b. The permittee shall submit a written source test plan to the District for approval at least thirty (30) days prior to initiation of each source test. The source test plan shall be prepared consistent with the District's Source Test Procedures Manual (revised May 1990 and any subsequent revisions). The permittee shall obtain written District approval of the source test plan prior to commencement of source testing. The District shall be notified at least ten (10) calendar days prior to the start of source testing activity to arrange for a mutually agreeable source test date when District personnel may observe the test.

c. Source test results shall be submitted to the District within forty-five (45) calendar days following the date of source test completion and shall be consistent with the requirements approved within the source test plan. Source test results shall document the permittee's compliance status with BACT requirements, mass emission rates in Table 1 and permit conditions, rules and NSPS (if applicable). All District costs associated with the review and approval of all plans and reports and the witnessing of tests shall be paid by the permittee as provided for by District Rule 210.

d. A source test for an item of equipment shall be performed on the scheduled day of testing (the test day mutually agreed to) unless circumstances beyond the control of the operator prevent completion of the test on the scheduled day. Such circumstances include mechanical malfunction of the equipment to be tested, malfunction of the source test equipment, delays in source test contractor arrival and/or set-up, or unsafe conditions on site. Except in cases of an emergency, the operator shall seek and obtain District approval before deferring or discontinuing a scheduled test, or performing maintenance on the equipment item on the scheduled test day. If the test cannot be completed on the scheduled day, then the test shall be rescheduled for another time with prior authorization by the District. Once the sample probe has been inserted into the exhaust stream of the equipment unit to be tested (or extraction of the sample has begun), the test shall proceed in accordance with the approved source test plan. In no case shall a test run be aborted except in the case of an emergency or unless approval is first obtained from the District. Failing to perform the source test of an equipment item on the scheduled test day without a valid reason and without District's authorization shall constitute a violation of this permit. If a test is postponed due to an emergency, written documentation of the emergency event shall be submitted to the District by the close of the business day following the scheduled test day.

The timelines in (a), (b), and (c) above may be extended for good cause provided a written request is submitted to the District at least three (3) days in advance of the deadline, and approval for the extension is granted by the District.

8. **Boilers Removed from Service**. The Sterling boiler shall remain permanently removed from service by physically disconnecting it from fuel gas and process lines. The permittee shall not use or offer for sale the Sterling boiler within the South Central Coast Air Basin. In the event that the permittee sells the Sterling boiler to a business outside of the South Central Coast Air Basin, the permittee shall provide signed documentation verifying the date of sale, business sold to, contact name, the phone number and the location the boiler will be transported to for future operation.

9. **Facility Fugitive Hydrocarbon Emissions.** The vapor recovery/gas collection (VRGC) system shall be in operation when the equipment connected to the VRGC system is in use. The VRGC system includes associated valves, fittings, and flanges. The VRGC system shall be maintained and operated to minimize the release of emissions from all systems, including the pressure relief valves and gauge hatches.

10. **External Combustion Units - Permits Required.**

    (1) An ATC/PTO permit shall be obtained prior to installation of any grouping of Rule 360 applicable boilers or hot water heaters whose combined system design heat input rating exceeds 2.000 MMBtu/hr.

    (2) An ATC permit shall be obtained prior to installation, replacement, or modification of any existing Rule 361 applicable boiler or water heater rated over 2.000 MMBtu/hr.

    (3) An ATC shall be obtained for any size boiler or water heater if the unit is not fired on natural gas or propane.

11. **Best Available Control Technology (BACT).** The permittee shall apply emission control technology and plant design measures that represent Best Available Control Technology (BACT) to the operation of the equipment/facilities as described in this permit and the District's Permit Evaluation for this permit. Table 3 and the *Emissions*, *Operational Restrictions*, *Monitoring*, *Recordkeeping,* and *Reporting* conditions of this permit define the specific control technology and performance standard emission limits for BACT. The BACT shall be in place, and shall be operational at all times, for the life of the project. BACT related monitoring, recordkeeping and reporting requirements are defined in those specific permit conditions.

12. **Rule 361 Compliance - Existing Units.** On or before January 1, 2020, the owner or operator of any unit rated between 2.000 MMBtu/hr and 5.000 MMBtu/hr shall demonstrate final compliance with Rule 361. Any existing unit that is replaced or modified is subject to requirements of Rule 361 and shall first obtain a District ATC permit prior to installation or modification

13. **Consistency with Analysis.** Operation under this permit shall be conducted consistent with all data, specifications and assumptions included with the application and supplements thereof (as documented in the District's project file) and the District's analyses under which this permit is issued as documented in the Permit Analyses prepared for and issued with the permit.

14. **Equipment Maintenance.** The equipment listed in this permit shall be properly maintained and kept in good condition at all times. The equipment manufacturer's maintenance manual, maintenance procedures and/or maintenance checklists (if any) shall be kept on site.

    a. The provisions of Conditions 2.b.iii and 2.b.iv in this permit shall not apply to in-service floating roof tanks undergoing preventive maintenance, including but not limited to roof repair, primary seal inspection, or removal and installation of a secondary seal, provided that the following conditions are met:

        i. At least 72 hours prior to such work being done, written notice is received by the District.

ii. The tank is in compliance with these rules prior to notification.

iii. Product shall move neither in nor out of the storage tank and emissions shall be minimized.

iv. If an Authority to Construct is required, in accordance with Rule 201, then one shall be obtained prior to commencing work.

15. **Compliance.** Nothing contained within this permit shall be construed as allowing the violation of any local, state or federal rules, regulations, air quality standards or increments.

16. **Severability.** In the event that any condition herein is determined to be invalid, all other conditions shall remain in force.

17. **Conflict Between Permits.** The requirements or limits that are more protective of air quality shall apply if any conflict arises between the requirements and limits of this permit and any other permitting actions associated with the equipment permitted herein.

18. **Access to Records and Facilities.** As to any condition that requires for its effective enforcement the inspection of records or facilities by the District or its agents, the permittee shall make such records available or provide access to such facilities upon notice from the District. Access shall mean access consistent with California Health and Safety Code Section 41510 and Clean Air Act Section 114A.

19. **Equipment Identification.** Identifying tag(s) or name plate(s) shall be displayed on the equipment to show manufacturer, model number, and serial number. The tag(s) or plate(s) shall be affixed to the equipment in a permanent and conspicuous position.

20. **Emission Factor Revisions.** The District may update the emission factors for any calculation based on USEPA AP-42 or District emission factors at the next permit modification or permit reevaluation to account for USEPA and/or District revisions to the underlying emission factors.

21. **Nuisance.** Except as otherwise provided in Section 41705 of the California H&SC, no person shall discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health, or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.

22. **Grounds for Revocation.** Failure to abide by and faithfully comply with this permit or any Rule, Order, or Regulation may constitute grounds for revocation pursuant to California Health & Safety Code Section 42307 *et seq.*

23. **Transfer of Owner/Operator.** This permit is only valid for the owner and operator listed on this permit unless a *Transfer of Owner/Operator* application has been applied for and received by the District. Any transfer of ownership or change in operator shall be done in a manner as specified in District Rule 203. District Form –01T and the appropriate filing fee shall be submitted to the District within 30 days of the transfer.

24. **Documents Incorporated by Reference.** The documents listed below, including any District-approved updates thereof, are incorporated herein and shall have the full force and effect of a permit condition. These documents shall be implemented for the life of the project:

    a. *Fugitive Hydrocarbon Inspection and Maintenance Plan (approval pending District review)*

    b. *Process Monitor Calibration and Maintenance Plan (approved August 2005)*

    c. *Fuel Use Monitoring Plan (approved November 2015)*

AIR POLLUTION CONTROL OFFICER

MAY 24 2019

DATE

Attachments:

- Table 1 – Permitted Emission Limits
- Table 2 – Source Test Requirements
- Table 3 – Best Available Control Technology Requirements
- Permit Equipment List(s)
- Permit Evaluation for Permit to Operate 08259 - R11

Notes:

- Reevaluation Due Date: March 2022
- Stationary sources are subject to an annual emission fee (see Fee Schedule B-3 of Rule 210).
- Annual reports are due by March 1st of each year.
- This permit supersedes Reeval 8259-R10 and PTO Mod 14599-01

Table 1: Permit Potential to Emit

Equipment	NO_x	ROC	CO	SO_x	PM	PM_{10}	$PM_{2.5}$
Crude Heater 1							
lb/day	11.06	1.66	10.94	34.44	2.30	2.30	2.30
TPY	2.02	0.30	2.00	6.28	0.42	0.42	0.42
Crude Heater 2							
lb/day	15.55	2.33	15.38	48.43	3.24	3.24	3.24
TPY	2.84	0.43	2.81	8.84	0.59	0.59	0.59
Crude Heater 3							
lb/day	9.50	1.43	9.40	29.60	1.98	1.98	1.98
TPY	1.73	0.26	1.72	5.40	0.36	0.36	0.36
Wicks Boiler							
lb/day	21.60	3.24	21.36	67.26	4.50	4.50	4.50
TPY	3.78	0.57	3.74	11.77	0.79	0.79	0.79
Miura Boiler 2							
lb/day	10.89	1.63	50.44	8.52	2.27	2.27	2.27
TPY	1.99	0.30	9.21	1.55	0.41	0.41	0.41
Miura Boiler 3							
lb/day	10.71	1.61	49.64	8.38	2.23	2.23	2.23
TPY	1.96	0.29	9.06	1.53	0.41	0.41	0.41
Seattle Boiler							
lb/day	7.55	2.83	19.45	7.17	3.93	3.93	3.93
TPY	1.38	0.52	3.55	1.31	0.72	0.72	0.72
Asphalt Heater 1							
lb/day	10.58	0.58	8.86	1.48	0.81	0.81	0.81
TPY	1.85	0.10	1.55	0.26	0.14	0.14	0.14
Asphalt Heater 2							
lb/day	10.58	0.58	8.86	1.48	0.81	0.81	0.81
TPY	1.85	0.10	1.55	0.26	0.14	0.14	0.14
Asphalt Heater 3							
lb/day	8.23	0.45	6.89	1.15	0.63	0.63	0.63
TPY	1.15	0.06	0.96	0.16	0.09	0.09	0.09
Asphalt Heater 4							
lb/day	7.78	1.17	7.69	24.21	1.62	1.62	1.62
TPY	1.09	0.16	1.08	3.39	0.23	0.23	0.23
Hot Oil Heater							
lb/day	3.46	0.52	3.56	1.31	0.72	0.72	0.72
TPY	0.63	0.09	0.65	0.24	0.13	0.13	0.13
Floating Roof Tank 10007							
lb/day		2.32					
TPY		0.42					
Floating Roof Tank 10008							
lb/day		7.03					
TPY		1.28					
Fixed Roof Tank 10009							
lb/day		9.10					
TPY		1.66					
Floating Roof Tank 25001							
lb/day		1.43					
TPY		0.26					
Fixed Roof Tank 27001							
lb/day		13.76					
TPY		2.51					
Fixed Roof Tank 40001							
lb/day		18.08					
TPY		3.30					
Floating Roof Tank 40002							
lb/day		23.66					
TPY		4.32					
Naphtha Loading Rack							
lb/day		14.00					
TPY		0.23					
Distillate Loading Rack							
lb/day		1.32					
TPY		0.48					
Fugitives							
lb/day		76.67					
TPY		13.99					
Totals							
lb/day	**127.50**	**185.42**	**212.45**	**233.43**	**25.05**	**25.05**	**25.05**
TPY	**22.27**	**31.65**	**37.86**	**41.00**	**4.43**	**4.43**	**4.43**

TABLE 2. SOURCE TESTING REQUIREMENTS

Emission & Limit Test Points	Pollutants	Parameters	Test Methods [a]
Stack [b][c][d][e]	NO_x	ppmv, lb/hr	EPA Method 7E
	CO	ppmv, lb/hr	EPA Method 10
	ROC	ppmv, lb/hr	EPA Method 18
	Sampling Point Det.		EPA Method 1
	Stack Gas Flow Rate		EPA Method 2
	O_2, CO_2, Dry MW		EPA Method 3
	Moisture Content		EPA Method 4
	Stack Temperature	°F	Calibrated Thermocouple
Fuel Gas [h]	Fuel Gas Flow Rate		Fuel Gas Meter [f]
	Higher Heating Value	Btu/lb	ASTM D 1826 or 1945 or 3588
	Total Sulfur Content	ppmw	ASTM D 1072 or 5504 [g]
	Gas Composition	CHONS%, F-factor	ASTM 1945

Notes:

(a) Alternative methods may be acceptable on a case-by-case basis.

(b) The emission rates shall be based on EPA Methods 2 and 4, or Method 19 along with the heat input rate.

(c) For NO_x, CO, and O_2 a minimum of three 40-minute runs shall be obtained during each test. An ROC sample for each run shall be taken over a minimum of 5 minutes in accordance with the sampling protocol defined in the source test plan.

(d) See Table 1 for the emission standards to be measured against during the test. Measured NO_x and CO shall not exceed the limits specified in this permit.

(e) All emission determinations shall be made in the as-found operating condition, at the maximum attainable firing rate to be approved by the source test plan. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer.

(f) Fuel meter shall meet the calibration requirements prior to testing.

(g) Total sulfur content fuel samples shall be obtained using EPA Method 18 with Tedlar Bag (or equivalent) equipped with Teflon tubing and fittings. Turnaround time for laboratory analysis of these samples shall be no more than 24 hours from sampling.

(h) Fuel gas heating value and composition are optional for Rule 361 applicable units. Sulfur content only required for units not run on utility purchased gas. For units rated at 5.000 MMBtu/hr or greater, heating value is required in all cases, but gas composition not required if Method 2 is used for stack flow.

Table 3: Best Available Control Technology

Emission Source	Pollutant	BACT Technology	BACT Performance Standard
Seattle Boiler	NO_x	Low NO_x burners	NO_x emissions no greater than 12 ppmv at 3% O_2 or a NO_X stack emission rate of 0.0144 lb/MMBtu.
Seattle Boiler	CO	Low NO_x burners	CO emissions no greater than 50 ppmv at 3% O_2 or a CO stack emission rate of 0.0371 lb/MMBtu.

PERMIT EQUIPMENT LIST - TABLE A

Reeval 08259 R11 / FID: 00037 Santa Maria Asphalt Refinery / SSID: 04640

A PERMITTED EQUIPMENT

1 Process Area (Area A)

1.1 Fuel Burning Equipment

1.1.1 Crude Heater 1

Device ID #	**000345**	***Device Name***	**Crude Heater 1**
Rated Heat Input	12.800 MMBtu/Hour	*Physical Size*	12.80 MMBtu/Hour
Manufacturer	Born	*Operator ID*	H-1
Model		*Serial Number*	1053
Location Note			
Device Description	Fired primarily on field gas, PUC quality natural gas is back-up fuel, equipped with two Zwick low-NOx burners		

1.1.2 Crude Heater 2

Device ID #	**000346**	***Device Name***	**Crude Heater 2**
Rated Heat Input	18.000 MMBtu/Hour	*Physical Size*	18.00 MMBtu/Hour
Manufacturer	Born	*Operator ID*	H-2
Model		*Serial Number*	1818NH1
Location Note			
Device Description	Fired primarily on field gas, PUC quality natural gas is back-up fuel, equipped with two Zwick low-NOx burners		

1.1.3 Crude Heater 3

Device ID #	**000347**	***Device Name***	**Crude Heater 3**
Rated Heat Input	11.000 MMBtu/Hour	*Physical Size*	11.00 MMBtu/Hour
Manufacturer	Selas	*Operator ID*	H-3
Model		*Serial Number*	S1-848
Location Note			
Device Description	Fired primarily on field gas, PUC quality natural gas is back-up fuel, equipped with a Zwick low-NOx burner		

1.1.4 Hot Oil Heater

Device ID #	**006240**	***Device Name***	**Hot Oil Heater**
Rated Heat Input	4.000 MMBtu/Hour	*Physical Size*	4.00 MMBtu/Hour
Manufacturer	CEI Enterprises	*Operator ID*	
Model	CEI-4000	*Serial Number*	
Location Note			
Device Description	Fired primarily on field gas, PUC quality natural gas is back-up fuel, equipped with a PowerFlame low-NOx burner, derated unit		

1.1.5 Wicks Boiler

Device ID #	**000352**	***Device Name***	**Wicks Boiler**
Rated Heat Input	25.000 MMBtu/Hour	*Physical Size*	25.00 MMBtu/Hour
Manufacturer	Wicks	*Operator ID*	B-2
Model		*Serial Number*	12465-51
Location Note			
Device Description	Fired primarily on field gas, PUC quality natural gas is back-up fuel, equipped with a Zwick low-NOx burner		

1.2 Exchangers

1.2.1 Exchanger 101

Device ID #	**100379**	***Device Name***	**Exchanger 101**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	X-101
Model		*Serial Number*	
Location Note	Exchanger		
Device Description	Service: crude, kerosene distillate		

1.2.2 Exchanger 102

Device ID #	**100380**	***Device Name***	**Exchanger 102**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	X-102
Model		*Serial Number*	
Location Note	Exchanger		
Device Description	Service: Crude/#2 gas oil		

1.2.3 Exchanger 106

Device ID #	**100397**	***Device Name***	**Exchanger 106**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	X-106
Model		*Serial Number*	
Location Note	Exchanger		
Device Description	Service: crude, asphalt		

1.2.4 Exchanger 107

Device ID #	**100398**	***Device Name***	**Exchanger 107**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	X-107
Model		*Serial Number*	
Location Note	Exchanger		
Device Description	Service: crude, asphalt		

1.2.5 Exchanger 108

Device ID #	**100402**	***Device Name***	**Exchanger 108**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	FX-108
Model		*Serial Number*	
Location Note	Crude Unit		
Device Description	Service: naphtha condenser		

1.2.6 Exchanger 108 (2)

Device ID #	**100399**	***Device Name***	**Exchanger 108 (2)**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	X-108
Model		*Serial Number*	
Location Note	Exchanger		
Device Description	Service: crude, asphalt		

1.2.7 Exchanger 109

Device ID #	**100403**	***Device Name***	**Exchanger 109**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	FX-109
Model		*Serial Number*	
Location Note	Crude Unit		
Device Description	Service: kerosene distillate cooler		

1.2.8 Exchanger 110

Device ID #	**100383**	***Device Name***	**Exchanger 110**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	X-110
Model		*Serial Number*	
Location Note	Cooler		
Device Description	Service: fractionator		

1.2.9 Exchanger 111

Device ID #	**100384**	***Device Name***	**Exchanger 111**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	X-111
Model		*Serial Number*	
Location Note	Cooler		
Device Description	Service: water, kerosene distillate		

1.2.10 Exchanger 112

Device ID #	**100389**	***Device Name***	**Exchanger 112**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	X-112
Model		*Serial Number*	
Location Note	Vacuum Tower		
Device Description	Service: exchanger		

1.2.11 Exchanger 113

Device ID #	**100426**	***Device Name***	**Exchanger 113**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	FX-113
Model		*Serial Number*	
Location Note	Gas Oil Cooler		
Device Description	Service: gas oil		

1.2.12 Exchanger 116

Device ID #	**100427**	***Device Name***	**Exchanger 116**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	FX-116
Model		*Serial Number*	
Location Note	Gas Oil Condenser		
Device Description	Service: gas oil		

1.2.13 Exchanger 120

Device ID #	**100400**	***Device Name***	**Exchanger 120**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	X-120
Model		*Serial Number*	
Location Note	Exchanger		
Device Description	Service: crude, asphalt		

1.2.14 Exchanger 121

Device ID #	**100401**	***Device Name***	**Exchanger 121**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	X-121
Model		*Serial Number*	
Location Note	Exchanger		
Device Description	Service: crude, asphalt		

1.2.15 Exchanger 122

Device ID #	**100390**	***Device Name***	**Exchanger 122**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	X-122
Model		*Serial Number*	
Location Note	Cooler		
Device Description	Service: water, gas oil		

1.2.16 Exchanger 123

Device ID #	**100387**	***Device Name***	**Exchanger 123**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	X-123
Model		*Serial Number*	
Location Note	Cooler		
Device Description	Service: water, gas oil		

1.2.17 Exchanger 124

Device ID #	**100388**	***Device Name***	**Exchanger 124**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	X-124
Model		*Serial Number*	
Location Note	Cooler		
Device Description	Service: water, gas oil		

1.2.18 Exchanger 125

Device ID #	**100385**	***Device Name***	**Exchanger 125**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	X-125
Model		*Serial Number*	
Location Note	Cooler		
Device Description	Service: water, gas oil		

1.2.19 Exchanger 126

Device ID #	**100386**	***Device Name***	**Exchanger 126**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	X-126
Model		*Serial Number*	
Location Note	Cooler		
Device Description	Service: water, gas oil		

1.2.20 Exchanger 127

Device ID #	**100382**	***Device Name***	**Exchanger 127**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	X-127
Model		*Serial Number*	
Location Note	Exchanger		
Device Description	Service: crude, gas oil		

1.2.21 Exchanger 128

Device ID #	**100381**	***Device Name***	**Exchanger 128**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	X-128
Model		*Serial Number*	
Location Note	Exchanger		
Device Description	Service: crude, gas oil		

1.2.22 Exchanger 630

Device ID #	**100378**	***Device Name***	**Exchanger 630**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	X-630
Model		*Serial Number*	
Location Note	Exchanger		
Device Description	Service: crude, kerosene distillate		

1.3 Drums

1.3.1 Drum 101

Device ID #	**100391**	***Device Name***	**Drum 101**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	D-101
Model		*Serial Number*	
Location Note	Fractionator		
Device Description	Service: naphtha, water accumulator		

1.3.2 Drum 102

Device ID #	**100392**	***Device Name***	**Drum 102**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	D-102
Model		*Serial Number*	
Location Note	Vacuum Tower		
Device Description	Service: overhead kerosene distillate, water		

1.3.3 Drum 103

Device ID #	**100395**	***Device Name***	**Drum 103**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	D-103
Model		*Serial Number*	
Location Note	Vacuum Tower		
Device Description	Service: overhead kerosene distillate, water		

1.3.4 Drum 206

Device ID #	**100396**	***Device Name***	**Drum 206**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	D-206
Model		*Serial Number*	
Location Note	Blow Down Drum		
Device Description	Service: emergency pressure relief surge drum		

1.4 Pumps

1.4.1 Pump 101

Device ID #	**100366**	***Device Name***	**Pump 101**
Rated Heat Input		*Physical Size*	75.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-101
Model		*Serial Number*	
Location Note	Crude Unit		
Device Description	Service: raw crude charge		

1.4.2 Pump 102

Device ID #	**100404**	***Device Name***	**Pump 102**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	RP-102
Model		*Serial Number*	
Location Note	Standby Crude Charge		
Device Description	Service: crude oil, steam driven pump		

1.4.3 Pump 103

Device ID #	**100405**	***Device Name***	**Pump 103**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	RP-103
Model		*Serial Number*	
Location Note	Standby Crude Charge		
Device Description	Service: crude oil, steam driven pump		

1.4.4 Pump 105

Device ID #	**100406**	***Device Name***	**Pump 105**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	RP-105
Model		*Serial Number*	
Location Note	Charge Standby		
Device Description	Service: crude oil, steam driven pump		

1.4.5 Pump 107

Device ID #	**100407**	***Device Name***	**Pump 107**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	RP-107
Model		*Serial Number*	
Location Note	Charge Standby		
Device Description	Service: crude oil, steam driven pump		

1.4.6 Pump 108

Device ID #	**100408**	***Device Name***	**Pump 108**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	RP-108
Model		*Serial Number*	
Location Note	Charge		
Device Description	Service: crude oil, steam driven pump		

1.4.7 Pump 109

Device ID #	**100367**	***Device Name***	**Pump 109**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	P-109
Model		*Serial Number*	
Location Note	Crude Unit		
Device Description	Service: fractionator		

1.4.8 Pump 110

Device ID #	**100409**	***Device Name***	**Pump 110**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	RP-110
Model		*Serial Number*	
Location Note	Charge Standby		
Device Description	Service: reduced crude/oil, steam driven pump		

1.4.9 Pump 112

Device ID #	**100410**	***Device Name***	**Pump 112**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	RP-112
Model		*Serial Number*	
Location Note	Gas Oil		
Device Description	Service: gas oil, steam driven pump		

1.4.10 Pump 113

Device ID #	**100411**	***Device Name***	**Pump 113**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	RP-113
Model		*Serial Number*	
Location Note	Lube and Light Gas Oil Standby		
Device Description	Service: lube, gas oil, steam driven pump		

1.4.11 Pump 114

Device ID #	**100368**	***Device Name***	**Pump 114**
Rated Heat Input		*Physical Size*	5.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-114
Model		*Serial Number*	
Location Note	Crude Unit		
Device Description	Service: heavy gas oil or lube injection		

1.4.12 Pump 115

Device ID #	**100369**	***Device Name***	**Pump 115**
Rated Heat Input		*Physical Size*	20.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-115
Model		*Serial Number*	
Location Note	Crude Unit		
Device Description	Service: gas oil reflux/storage		

1.4.13 Pump 116

Device ID #	**100412**	***Device Name***	**Pump 116**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	RP-116
Model		*Serial Number*	
Location Note	Gas Oil Standby		
Device Description	Service: gas oil, steam driven pump		

1.4.14 Pump 118

Device ID #	**100371**	***Device Name***	**Pump 118**
Rated Heat Input		*Physical Size*	15.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-118
Model		*Serial Number*	
Location Note	Crude Unit		
Device Description	Service: gas oil reflux/storage		

1.4.15 Pump 119

Device ID #	**100413**	***Device Name***	**Pump 119**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	RP-119
Model		*Serial Number*	
Location Note	Gas Oil Standby		
Device Description	Service: gas oil, steam driven pump		

1.4.16 Pump 120

Device ID #	**100414**	***Device Name***	**Pump 120**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	RP-120
Model		*Serial Number*	
Location Note	Gas Oil Standby		
Device Description	Service: gas oil, steam driven pump		

1.4.17 Pump 121

Device ID #	**100372**	***Device Name***	**Pump 121**
Rated Heat Input		*Physical Size*	15.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-121
Model		*Serial Number*	
Location Note	Crude Unit		
Device Description	Service: kerosene reflux/storage		

1.4.18 Pump 122

Device ID #	**100415**	***Device Name***	**Pump 122**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	RP-122
Model		*Serial Number*	
Location Note	Kerosene Distillate Standby		
Device Description	Service: kerosene distillate, steam driven pump		

1.4.19 Pump 123

Device ID #	**100416**	***Device Name***	**Pump 123**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	RP-123
Model		*Serial Number*	
Location Note	Kerosene Distillate Standby		
Device Description	Service: kerosene distillate, steam driven pump		

1.4.20 Pump 125

Device ID #	**100417**	***Device Name***	**Pump 125**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	RP-125
Model		*Serial Number*	
Location Note	Naphtha Standby		
Device Description	Service: naphtha, steam driven pump		

1.4.21 Pump 126

Device ID #	**100418**	***Device Name***	**Pump 126**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	RP-126
Model		*Serial Number*	
Location Note	Naphtha Standby		
Device Description	Service: naphtha, steam driven pump		

1.4.22 Pump 146

Device ID #	**100419**	***Device Name***	**Pump 146**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	RP-146
Model		*Serial Number*	
Location Note	Vacuum Pump		
Device Description	Service: kerosene distillate, steam driven pump		

1.4.23 Pump 147

Device ID #	**100420**	***Device Name***	**Pump 147**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	RP-147
Model		*Serial Number*	
Location Note	Vacuum Pump Standby		
Device Description	Service: kerosene distillate, steam driven pump		

1.4.24 Pump 149

Device ID #	**100421**	***Device Name***	**Pump 149**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	RP-149
Model		*Serial Number*	
Location Note	Kerosene Distillate Standby		
Device Description	Service: kerosene distillate, steam driven pump		

1.4.25 Pump 148

Device ID #	**100373**	***Device Name***	**Pump 148**
Rated Heat Input		*Physical Size*	1.50 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-148
Model		*Serial Number*	
Location Note	Crude Unit		
Device Description	Service: vacuum tower accumulator		

1.4.26 Pump 152

Device ID #	**100365**	***Device Name***	**Pump 152**
Rated Heat Input		*Physical Size*	0.25 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-152
Model		*Serial Number*	
Location Note	Vacuum Fractionator		
Device Description	Service: kerosene distillate and chemical feed amine		

1.4.27 Pump 154

Device ID #	**100422**	***Device Name***	**Pump 154**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	RP-154
Model		*Serial Number*	
Location Note	Skimming Pond		
Device Description	Service: recovered oil, steam driven pump		

1.4.28 Pump 167

Device ID #	**100370**	***Device Name***	**Pump 167**
Rated Heat Input		*Physical Size*	25.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-167
Model		*Serial Number*	
Location Note	Crude Unit		
Device Description	Service: spare gas oil kerosene/reflux/storage		

1.5 Tanks

1.5.1 Tower 101

Device ID #	**100374**	***Device Name***	**Tower 101**
Rated Heat Input		*Physical Size*	1000.00 Gallons
Manufacturer		*Operator ID*	W-101
Model		*Serial Number*	
Location Note	Crude Preflash Tower		
Device Description	Service: naphtha		

1.5.2 Tower 102

Device ID #	**100375**	***Device Name***	**Tower 102**
Rated Heat Input		*Physical Size*	1000.00 Gallons
Manufacturer		*Operator ID*	W-102
Model		*Serial Number*	
Location Note	Fractionator Tower		
Device Description	Service: crude oil, gas oil, kerosene distillate, naphtha, super heated steam		

1.5.3 Towers 103/104

Device ID #	**100376**	***Device Name***	**Towers 103/104**
Rated Heat Input		*Physical Size*	1000.00 Gallons
Manufacturer		*Operator ID*	W-103, W-104
Model		*Serial Number*	
Location Note	Kerosene Distillate Stripper Tower		
Device Description	Service: kerosene distillate, super heated steam		

1.5.4 Tower 105

Device ID #	**100377**	***Device Name***	**Tower 105**
Rated Heat Input		*Physical Size*	1000.00 Gallons
Manufacturer		*Operator ID*	W-105
Model		*Serial Number*	
Location Note	Vacuum Tower		
Device Description	Service: asphalt, gas oil, overhead kerosene distillate super heated steam		

1.5.5 Tank 253

Device ID #	**100424**	***Device Name***	**Tank 253**
Rated Heat Input		*Physical Size*	1000.00 Gallons
Manufacturer		*Operator ID*	T-253
Model		*Serial Number*	
Location Note	Slop Oil		
Device Description	Service: oil from skimming pond		

1.5.6 Tank 254

Device ID #	**100425**	***Device Name***	**Tank 254**
Rated Heat Input		*Physical Size*	1000.00 Gallons
Manufacturer		*Operator ID*	T-254
Model		*Serial Number*	
Location Note	Slop Oil		
Device Description	Service: oil from skimming pond		

1.6 Corrosion Units 601/602

Device ID #	**100423**	***Device Name***	**Corrosion Units 601/602**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	C-601, C-602
Model		*Serial Number*	
Location Note	Unit Corrosion Inhibitor		
Device Description	Service: amine and kerosene distillate		

2 Asphalt Storage and Loading Area (Area B)

2.1 Asphalt Heater 1

Device ID #	**000348**	***Device Name***	**Asphalt Heater 1**
Rated Heat Input	4.500 MMBtu/Hour	*Physical Size*	4.50 MMBtu/Hour
Manufacturer		*Operator ID*	AH-1
Model		*Serial Number*	
Location Note			
Device Description	Fired on PUC quality natural gas, equipped with John Zink burner, custom built		

2.2 Asphalt Heater 2

Device ID #	**005833**	***Device Name***	**Asphalt Heater 2**
Rated Heat Input	4.500 MMBtu/Hour	*Physical Size*	4.50 MMBtu/Hour
Manufacturer		*Operator ID*	AH-2
Model		*Serial Number*	
Location Note			
Device Description	Fired on PUC quality natural gas, equipped with John Zink burner		

2.3 Asphalt Heater 3

Device ID #	**000349**	***Device Name***	**Asphalt Heater 3**
Rated Heat Input	3.500 MMBtu/Hour	*Physical Size*	3.50 MMBtu/Hour
Manufacturer		*Operator ID*	AH-3
Model		*Serial Number*	
Location Note			
Device Description	Fired on PUC quality natural gas, equipped with Leahy burner, custom built		

2.4 Asphalt Heater 4

Device ID #	**000350**	***Device Name***	**Asphalt Heater 4**
Rated Heat Input	9.000 MMBtu/Hour	*Physical Size*	9.00 MMBtu/Hour
Manufacturer	Born	*Operator ID*	AH-4
Model		*Serial Number*	818NH2
Location Note			
Device Description	Fired primarily on field gas, PUC quality natural gas is back-up fuel, equipped with Zwick low-NOx burner		

2.5 Pump 310

Device ID #	**100428**	***Device Name***	**Pump 310**
Rated Heat Input		*Physical Size*	10.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-310
Model		*Serial Number*	
Location Note	Asphalt Tank Farm		
Device Description	Service: gas oil injection to the crude unit		

3 Crude/Asphalt/Naphtha/Distillate/Gas Oil Storage (Area D)

3.1 Tanks

3.1.1 Tank 10007

Device ID #	**000372**	***Device Name***	**Tank 10007**
Rated Heat Input		*Physical Size*	8979.00 BBL
Manufacturer		*Operator ID*	10007
Model		*Serial Number*	
Location Note			
Device Description	Diameter: 47', height: 33.3' (29.5' usable), external floating roof tank, welded, mechanical shoe with primary and rim mounted secondary seals, gas oil storage, possible naphtha storage		

3.1.2 Tank 10008

Device ID #	**000362**	***Device Name***	**Tank 10008**
Rated Heat Input		*Physical Size*	8947.00 BBL
Manufacturer		*Operator ID*	10008
Model		*Serial Number*	
Location Note			
Device Description	Diameter: 54', height: 24.5' (22' usable), internal floating roof tank, welded, mechanical shoe with primary seal, naphtha storage		

3.1.3 Tank 10009

Device ID #	**000356**	***Device Name***	**Tank 10009**
Rated Heat Input		*Physical Size*	9792.00 BBL
Manufacturer		*Operator ID*	10009
Model		*Serial Number*	
Location Note			
Device Description	Diameter: 55', height: 34' h (32.1' usable), fixed roof tank, cone roof, connected to vapor recovery system, heated, gas oil storage or crude oil storage		

3.1.4 Tank 25001

Device ID #	**000366**	***Device Name***	**Tank 25001**
Rated Heat Input		*Physical Size*	21353.00 BBL
Manufacturer		*Operator ID*	25001
Model		*Serial Number*	
Location Note			
Device Description	Diameter: 79', height: 30.5' (28' usable), external floating roof tank, welded, vapor mounted seals with primary seal, gas oil storage		

3.1.5 Tank 27001

Device ID #	**000364**	***Device Name***	**Tank 27001**
Rated Heat Input		*Physical Size*	23987.00 BBL
Manufacturer		*Operator ID*	27001
Model		*Serial Number*	
Location Note			
Device Description	Diameter: 70', height: 40' (35' usable), fixed roof tank, connected to vapor recovery system, heated, crude oil storage		

3.1.6 Tank 40001

Device ID #	**000363**	***Device Name***	**Tank 40001**
Rated Heat Input		*Physical Size*	40000.00 BBL
Manufacturer		*Operator ID*	40001
Model		*Serial Number*	
Location Note			
Device Description	Diameter: 78', height: 48', fixed roof tank, connected to vapor recovery system, heated, crude oil storage		

3.1.7 Tank 40002

Device ID #	**000365**	***Device Name***	**Tank 40002**
Rated Heat Input		*Physical Size*	34745.00 BBL
Manufacturer		*Operator ID*	40002
Model		*Serial Number*	
Location Note			
Device Description	Diameter: 78', height: 48' (42' usable), external floating roof tank, welded, vapor mounted seals with primary and rim mounted secondary seals, crude oil storage		

3.2 Pumps/Electric Motors

3.2.1 Pump 158

Device ID #	**100583**	***Device Name***	**Pump 158**
Rated Heat Input		*Physical Size*	50.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-158
Model		*Serial Number*	
Location Note	Crude Unloading Rack		
Device Description	Service: crude transfer		

3.2.2 Pump 159

Device ID #	**100584**	***Device Name***	**Pump 159**
Rated Heat Input		*Physical Size*	40.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-159
Model		*Serial Number*	
Location Note	Crude Unloading Rack		
Device Description	Service: crude transfer		

3.2.3 Pump 201

Device ID #	**100582**	***Device Name***	**Pump 201**
Rated Heat Input		*Physical Size*	25.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-201
Model		*Serial Number*	
Location Note	Crude Tank Farm		
Device Description	Service: crude unloading		

3.2.4 Pump 209

Device ID #	**100586**	***Device Name***	**Pump 209**
Rated Heat Input		*Physical Size*	25.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-209
Model		*Serial Number*	
Location Note	Distillate Loading Rack		
Device Description	Service: distillate loading		

3.2.5 Pump 211

Device ID #	**100587**	***Device Name***	**Pump 211**
Rated Heat Input		*Physical Size*	10.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-211
Model		*Serial Number*	
Location Note	Distillate Loading Rack		
Device Description	Service: distillate loading		

3.2.6 Pump 212

Device ID #	**100588**	***Device Name***	**Pump 212**
Rated Heat Input		*Physical Size*	25.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-212
Model		*Serial Number*	
Location Note	Distillate Loading Rack		
Device Description	Service: distillate loading		

3.2.7 Pump 214

Device ID #	**100589**	***Device Name***	**Pump 214**
Rated Heat Input		*Physical Size*	20.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-214
Model		*Serial Number*	
Location Note	Tank T-40001		
Device Description	Service: crude booster		

3.2.8 Pump 215

Device ID #	**100590**	***Device Name***	**Pump 215**
Rated Heat Input		*Physical Size*	3.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-215
Model		*Serial Number*	
Location Note	Distillate Loading Rack		
Device Description	Service: sump pump		

3.2.9 Pump 219

Device ID #	**100591**	***Device Name***	**Pump 219**
Rated Heat Input		*Physical Size*	7.50 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-219
Model		*Serial Number*	
Location Note	Crude Tank Farm		
Device Description	Service: crude booster		

3.2.10 Electric Motor 203

Device ID #	**100585**	***Device Name***	**Electric Motor 203**
Rated Heat Input		*Physical Size*	10.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	EM-203
Model		*Serial Number*	
Location Note	Tank T-40002		
Device Description	Service: tank mixer		

3.2.11 Vapor Recovery Compressor 4

Device ID #	**100592**	***Device Name***	**Vapor Recovery Compressor 4**
Rated Heat Input		*Physical Size*	3.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	VRU-4
Model		*Serial Number*	
Location Note	Light Oil Rack		
Device Description	Service: air and hydrocarbon vapors		

3.3 Fugitive Hydrocarbon Components

3.3.1 Fugitive Emissions: Oil Service

3.3.1.1 Fugitives: Oil Valves

Device ID #	**008345**	***Device Name***	**Fugitives: Oil Valves**
Rated Heat Input		*Physical Size*	163.00 Components
Manufacturer		*Operator ID*	
Model		*Serial Number*	
Location Note			
Device Description			

3.3.1.2 Fugitives: Oil Flanges

Device ID #	**008346**	***Device Name***	**Fugitives: Oil Flanges**
Rated Heat Input		*Physical Size*	305.00 Components
Manufacturer		*Operator ID*	
Model		*Serial Number*	
Location Note			
Device Description			

3.3.1.3 Fugitives: Oil Pump Seals

Device ID #	**008347**	***Device Name***	**Fugitives: Oil Pump Seals**
Rated Heat Input		*Physical Size*	3.00 Components
Manufacturer		*Operator ID*	
Model		*Serial Number*	
Location Note			
Device Description			

3.3.1.4 Fugitives: Pump Seals Dual/Tandem

Device ID #	**393292**	***Device Name***	**Fugitives: Pump Seals Dual/Tandem**
Rated Heat Input		*Physical Size*	4.00 Components
Manufacturer		*Operator ID*	
Model		*Serial Number*	
Location Note			
Device Description			

3.3.2 Fugitive Emissions: Gas Condensate Service

3.3.2.1 Fugitives: Gas Valves

Device ID #	**008342**	***Device Name***	**Fugitives: Gas Valves**
Rated Heat Input		*Physical Size*	182.00 Components
Manufacturer		*Operator ID*	
Model		*Serial Number*	
Location Note			
Device Description			

3.3.2.2 Fugitives: Gas Flanges

Device ID #	**008343**	***Device Name***	**Fugitives: Gas Flanges**
Rated Heat Input		*Physical Size*	335.00 Components
Manufacturer		*Operator ID*	
Model		*Serial Number*	
Location Note			
Device Description			

3.3.2.3 Fugitives: Gas PSVs to Atm/Flare

Device ID #	**008344**	***Device Name***	**Fugitives: Gas PSVs to Atm/Flare**
Rated Heat Input		*Physical Size*	10.00 Components
Manufacturer		*Operator ID*	
Model		*Serial Number*	
Location Note			
Device Description			

3.3.2.4 Fugitives: Gas PSVs to VRS

Device ID #	**393293**	***Device Name***	**Fugitives: Gas PSVs to VRS**
Rated Heat Input		*Physical Size*	1.00 Components
Manufacturer		*Operator ID*	
Model		*Serial Number*	
Location Note			
Device Description			

3.4 Naphtha/Distillate Loading Racks

Device ID #	**000371**	***Device Name***	**Naphtha/Distillate Loading Racks**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	LR-8, LR-9
Model		*Serial Number*	
Location Note			
Device Description	Two splash fill loading nozzles for distillate, one bottom loading nozzle for naphtha, for loading naphtha/distillate into highway tanker cars by electric pumps, naphtha loading nozzle is connected to a vapor recovery system.		

3.4.1 Truck Loading Rack Vapor Recovery System

3.4.1.1 Compressor Discharge Air Cooler

Device ID #	**100576**	***Device Name***	**Compressor Discharge Air Cooler**
Rated Heat Input	75000.000 Btu/Hour	*Physical Size*	
Manufacturer		*Operator ID*	
Model		*Serial Number*	
Location Note			
Device Description			

3.4.1.2 Compressor Liquid Knockout Drum

Device ID #	**100574**	***Device Name***	**Compressor Liquid Knockout Drum**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	
Model		*Serial Number*	
Location Note			
Device Description	Diameter: 3', height: 10', vertical, welded construction		

3.4.1.3 Compressor Discharge Knockout Drum

Device ID #	**100577**	***Device Name***	**Compressor Discharge Knockout Drum**
Rated Heat Input		*Physical Size*	
Manufacturer	York	*Operator ID*	
Model		*Serial Number*	
Location Note			
Device Description	Diameter: 2', height: 3.5', vertical, welded construction		

3.4.1.4 Knockout Liquid Return Pump

Device ID #	**100578**	***Device Name***	**Knockout Liquid Return Pump**
Rated Heat Input		*Physical Size*	1.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	
Model		*Serial Number*	
Location Note			
Device Description	Centrifugal		

3.4.1.5 Vapor Recovery Compressor

Device ID #	**388697**	***Device Name***	**Vapor Recovery Compressor**
Rated Heat Input		*Physical Size*	7.50 Horsepower (Electric Motor)
Manufacturer	Continental	*Operator ID*	
Model	D-60	*Serial Number*	
Location Note			
Device Description			

4 Miscellaneous Equipment

4.1 Compressor

Device ID #	**112632**	***Device Name***	**Compressor**
Rated Heat Input		*Physical Size*	5.00 Horsepower (Electric Motor)
Manufacturer	Suterbult	*Operator ID*	
Model	3MP GABMDPA	*Serial Number*	
Location Note			
Device Description	1,750 rpm		

4.2 Dry Bed Contactor 80

Device ID #	**106436**	***Device Name***	**Dry Bed Contactor 80**
Rated Heat Input		*Physical Size*	7917.00 Gallons
Manufacturer		*Operator ID*	D-80
Model		*Serial Number*	
Location Note			
Device Description	SulfaTreat system, lead vessel		

4.3 Dry Bed Contactor 205

Device ID #	**106437**	***Device Name***	**Dry Bed Contactor 205**
Rated Heat Input		*Physical Size*	738.00 Gallons
Manufacturer		*Operator ID*	D-205
Model		*Serial Number*	
Location Note			
Device Description	SulfaTreat system, lag vessel		

4.4 Miura Boiler 2

Device ID #	**112727**	***Device Name***	**Miura Boiler 2**
Rated Heat Input	12.600 MMBtu/Hour	*Physical Size*	12.60 MMBtu/Hour
Manufacturer	Muira	*Operator ID*	
Model	LX-300 SG	*Serial Number*	48S47855
Location Note			
Device Description	Fired primarily on PUC quality natural gas, field gas is back-up fuel, equipped with a Miura low-NOx burner		

4.5 Miura Boiler 3

Device ID #	**100922**	***Device Name***	**Miura Boiler 3**
Rated Heat Input	12.400 MMBtu/Hour	*Physical Size*	12.40 MMBtu/Hour
Manufacturer	Miura	*Operator ID*	
Model	LX-300-SG	*Serial Number*	48S47890
Location Note			
Device Description	Fired primarily on PUC quality natural gas, field gas is back-up fuel, equipped with a Miura UH29436 low-NOx burner		

4.6 Seattle Boiler

Device ID #	**387607**	***Device Name***	**Seattle Boiler**
Rated Heat Input	21.840 Btu/Hour	*Operator ID*	
		Serial Number	L-46146
Manufacturer	Seattle		
Model	SDW-500		
Location Note			
Emission Control Basis	NA		
Device Description	Fired on PUC quality natural gas, equipped with a Powerflame NVC-10-G-30 low NOx burner, burner has a 15 inch extension element, equipped with a Dresser Roots Model 11M175CTR flow meter		

4.7 Scrubber

Device ID #	**100580**	***Device Name***	**Scrubber**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	
Model		*Serial Number*	
Location Note			
Device Description	Diameter: 2', height: 4'		

4.8 Scrubber 207

Device ID #	**106438**	***Device Name***	**Scrubber 207**
Rated Heat Input		*Physical Size*	37.00 Gallons
Manufacturer		*Operator ID*	D-207
Model		*Serial Number*	
Location Note			
Device Description	37 gallon inlet scrubber		

4.9 Scrubber 208

Device ID #	**106440**	***Device Name***	**Scrubber 208**
Rated Heat Input		*Physical Size*	15.00 Gallons
Manufacturer		*Operator ID*	D-208
Model		*Serial Number*	
Location Note			
Device Description	15 gallon drain scrubber		

B EXEMPT EQUIPMENT

1 Asphalt Emulsion Plant (Area C)

1.1 Fans

1.1.1 Fan 178

Device ID #	**100742**	***Device Name***	**Fan 178**
Rated Heat Input		*Physical Size*	1.50 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	F-178
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: emulsion fan tank T-51		

1.1.2 Fan 179

Device ID #	**100743**	***Device Name***	**Fan 179**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	F-179
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: emulsion fan tank T-52		

1.1.3 Fan 428

Device ID #	**100744**	***Device Name***	**Fan 428**
Rated Heat Input		*Physical Size*	0.75 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	F-428
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: emulsion building fan		

1.1.4 Fan 429

Device ID #	**100745**	***Device Name***	**Fan 429**
Rated Heat Input		*Physical Size*	0.75 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	F-429
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: emulsion building fan		

1.1.5 Fan 430

Device ID #	**100746**	***Device Name***	**Fan 430**
Rated Heat Input		*Physical Size*	1.50 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	F-430
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: emulsion lab fan		

1.2 Tanks

1.2.1 Tank 11

Device ID #	**100726**	***Device Name***	**Tank 11**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	T-11
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: soap premix		

1.2.2 Tank 51

Device ID #	**100727**	***Device Name***	**Tank 51**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	T-51
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: soap mix tank		

1.2.3 Tank 52

Device ID #	**100728**	***Device Name***	**Tank 52**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	T-52
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: soap mix tank		

1.2.4 Tank 70

Device ID #	**100729**	***Device Name***	**Tank 70**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	T-70
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: acid storage		

1.2.5 Tank 71

Device ID #	**100730**	***Device Name***	**Tank 71**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	T-71
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: caustic storage		

1.2.6 Tank 135

Device ID #	**100731**	***Device Name***	**Tank 135**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	T-135
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: latex storage		

1.2.7 Tank 136

Device ID #	**100732**	***Device Name***	**Tank 136**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	T-136
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: latex storage		

1.2.8 Tank 138

Device ID #	**100733**	***Device Name***	**Tank 138**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	T-138
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: hot water storage		

1.2.9 Tank 201

Device ID #	**100734**	***Device Name***	**Tank 201**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	T-201
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: wax blend		

1.2.10 Tank 255

Device ID #	**100735**	***Device Name***	**Tank 255**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	T-255
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: wax		

1.2.11 Tank 301

Device ID #	**100736**	***Device Name***	**Tank 301**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	T-301
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: hot water		

1.2.12 Tank 302

Device ID #	**100737**	***Device Name***	**Tank 302**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	T-302
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: well water		

1.2.13 Tank 471

Device ID #	**100738**	***Device Name***	**Tank 471**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	T-471
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: asphalt wax emulsions		

1.2.14 Tank 472

Device ID #	**100739**	***Device Name***	**Tank 472**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	T-472
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: asphalt emulsion		

1.2.15 Tank 473

Device ID #	**100740**	***Device Name***	**Tank 473**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	T-473
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: asphalt emulsion		

1.2.16 Tanks 506, 508, 509

Device ID #	**100686**	***Device Name***	**Tanks 506, 508, 509**
Rated Heat Input		*Physical Size*	500.00 BBL
Manufacturer		*Operator ID*	T-506, T-508, T-509
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Diameter: 15.4', height: 16', service: emulsion storage, three tanks		

1.2.17 Tanks 1003-1005

Device ID #	**100687**	***Device Name***	**Tanks 1003-1005**
Rated Heat Input		*Physical Size*	1000.00 BBL
Manufacturer		*Operator ID*	T-1003, T-1004, T-1005
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Diameter: 21.5', height: 16', service: emulsion storage, three tanks		

1.2.18 Tank 1101

Device ID #	**100741**	***Device Name***	**Tank 1101**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	T-1101
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: asphalt emulsion		

1.2.19 Tank 1601

Device ID #	**100688**	***Device Name***	**Tank 1601**
Rated Heat Input		*Physical Size*	1600.00 BBL
Manufacturer		*Operator ID*	T-1601
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Diameter: 35.5', height: 17.8', service: emulsion storage		

1.2.20 Tanks 2504, 2505

Device ID #	**100689**	***Device Name***	**Tanks 2504, 2505**
Rated Heat Input		*Physical Size*	2500.00 BBL
Manufacturer		*Operator ID*	T-2504, T-2505
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Diameter: 25', height: 30', service: emulsion storage, two tanks		

1.3 Pumps/Electric Motors

1.3.1 Electric Motor 402

Device ID #	**100690**	***Device Name***	**Electric Motor 402**
Rated Heat Input		*Physical Size*	7.50 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	EM-402
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: mixer for tank T-1004		

1.3.2 Electric Motor 403

Device ID #	**100759**	***Device Name***	**Electric Motor 403**
Rated Heat Input		*Physical Size*	10.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	EM-403
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: mixer for tank T-1601		

1.3.3 Electric Motor 413

Device ID #	**100693**	***Device Name***	**Electric Motor 413**
Rated Heat Input		*Physical Size*	125.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	EM-413
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: colloid mill		

1.3.4 Electric Motor 425

Device ID #	**100718**	***Device Name***	**Electric Motor 425**
Rated Heat Input		*Physical Size*	0.75 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	EM-425
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: tank T-51 mixer		

1.3.5 Electric Motor 426

Device ID #	**100719**	***Device Name***	**Electric Motor 426**
Rated Heat Input		*Physical Size*	0.75 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	EM-426
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: tank T-51 mixer		

1.3.6 Electric Motor 427

Device ID #	**100720**	***Device Name***	**Electric Motor 427**
Rated Heat Input		*Physical Size*	3.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	EM-427
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: tank T-11 mixer		

1.3.7 Electric Motor 441

Device ID #	**100721**	***Device Name***	**Electric Motor 441**
Rated Heat Input		*Physical Size*	5.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	EM-441
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: tank T-201 mixer		

1.3.8 Electric Motor 445

Device ID #	**100722**	***Device Name***	**Electric Motor 445**
Rated Heat Input		*Physical Size*	10.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	EM-445
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: tank T-1003 mixer		

1.3.9 Electric Motor 446

Device ID #	**100723**	***Device Name***	**Electric Motor 446**
Rated Heat Input		*Physical Size*	5.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	EM-446
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion plant		
Device Description	Service: tank T-471 mixer		

1.3.10 Electric Motor 448

Device ID #	**100724**	***Device Name***	**Electric Motor 448**
Rated Heat Input		*Physical Size*	3.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	EM-448
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: tank T-472 mixer		

1.3.11 Electric Motor 449

Device ID #	**100725**	***Device Name***	**Electric Motor 449**
Rated Heat Input		*Physical Size*	15.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	EM-449
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: tank T-1101 mixer		

1.3.12 Pump 178

Device ID #	**100701**	***Device Name***	**Pump 178**
Rated Heat Input		*Physical Size*	10.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	ERP-178
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: shop air compressor		

1.3.13 Pump 401

Device ID #	**100702**	***Device Name***	**Pump 401**
Rated Heat Input		*Physical Size*	20.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-401
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: batch hot water		

1.3.14 Pump 404

Device ID #	**100703**	***Device Name***	**Pump 404**
Rated Heat Input		*Physical Size*	7.50 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-404
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: soft water pump		

1.3.15 Pump 405

Device ID #	**100704**	***Device Name***	**Pump 405**
Rated Heat Input		*Physical Size*	15.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-405
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: condensate and water circulating		

1.3.16 Pump 406

Device ID #	**100705**	***Device Name***	**Pump 406**
Rated Heat Input		*Physical Size*	7.50 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-406
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: condensate circulating water		

1.3.17 Pump 407

Device ID #	**100692**	***Device Name***	**Pump 407**
Rated Heat Input		*Physical Size*	3.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-407
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: latex transfer		

1.3.18 Pump 408

Device ID #	**100706**	***Device Name***	**Pump 408**
Rated Heat Input		*Physical Size*	1.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-408
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: NVX emulsion additive pump		

1.3.19 Pump 409

Device ID #	**100707**	***Device Name***	**Pump 409**
Rated Heat Input		*Physical Size*	0.50 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-409
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: caustic pump		

1.3.20 Pump 410

Device ID #	**100708**	***Device Name***	**Pump 410**
Rated Heat Input		*Physical Size*	1.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-410
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: muriatic acid pump		

1.3.21 Pump 411

Device ID #	**100709**	***Device Name***	**Pump 411**
Rated Heat Input		*Physical Size*	7.50 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-411
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: water and chemical mix to mill		

1.3.22 Pump 412

Device ID #	**100710**	***Device Name***	**Pump 412**
Rated Heat Input		*Physical Size*	10.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-412
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: premix pump		

1.3.23 Pump 414

Device ID #	**100715**	***Device Name***	**Pump 414**
Rated Heat Input		*Physical Size*	10.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	PDP-414
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: asphalt to mill		

1.3.24 Pump 415

Device ID #	**100694**	***Device Name***	**Pump 415**
Rated Heat Input		*Physical Size*	20.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-415
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: emulsion loading		

1.3.25 Pump 416

Device ID #	**100695**	***Device Name***	**Pump 416**
Rated Heat Input		*Physical Size*	10.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-416
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: emulsion loading		

1.3.26 Pump 417

Device ID #	**100696**	***Device Name***	**Pump 417**
Rated Heat Input		*Physical Size*	15.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-417
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: emulsion loading		

1.3.27 Pump 418

Device ID #	**100711**	***Device Name***	**Pump 418**
Rated Heat Input		*Physical Size*	5.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-418
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion plant		
Device Description	Service: soap solution		

1.3.28 Pump 419

Device ID #	**100697**	***Device Name***	**Pump 419**
Rated Heat Input		*Physical Size*	10.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-419
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: blending pump		

1.3.29 Pump 420

Device ID #	**100698**	***Device Name***	**Pump 420**
Rated Heat Input		*Physical Size*	5.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-420
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: blending pump		

1.3.30 Pump 421

Device ID #	**100716**	***Device Name***	**Pump 421**
Rated Heat Input		*Physical Size*	5.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	PDP-421
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: tank T-255 blending		

1.3.31 Pump 423

Device ID #	**100699**	***Device Name***	**Pump 423**
Rated Heat Input		*Physical Size*	15.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-423
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: loading pump		

1.3.32 Pump 424

Device ID #	**100700**	***Device Name***	**Pump 424**
Rated Heat Input		*Physical Size*	25.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-424
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: loading pump		

1.3.33 Pump 426

Device ID #	**100712**	***Device Name***	**Pump 426**
Rated Heat Input		*Physical Size*	5.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-426
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: hot water circulation		

1.3.34 Pump 427

Device ID #	**100713**	***Device Name***	**Pump 427**
Rated Heat Input		*Physical Size*	1.50 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-427
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: emulsifier transfer pump		

1.3.35 Pump 428

Device ID #	**100717**	***Device Name***	**Pump 428**
Rated Heat Input		*Physical Size*	7.50 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-428
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: well water		

1.3.36 Pump 429

Device ID #	**100714**	***Device Name***	**Pump 429**
Rated Heat Input		*Physical Size*	3.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-429
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Emulsion Plant		
Device Description	Service: latex transfer		

1.4 Loading Rack 6 and 7

Device ID #	**005835**	***Device Name***	**Loading Rack 6 and 7**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	LR-6, LR-7
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note			
Device Description	Four loading nozzles, loading asphalt emulsions into highway cargo trucks by motor driven pump, asphalt emulsions overhead loading rack		

2 Crude/Asphalt/Naphtha/Distillate/Gas Oil Storage (Area D)

2.1 Tanks

2.1.1 Tank 510

Device ID #	**100758**	***Device Name***	**Tank 510**
Rated Heat Input		*Physical Size*	465.00 BBL
Manufacturer		*Operator ID*	T-510
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note			
Device Description	Diameter: 15.4', height: 16', not connected to vapor recovery system, service: gas/oil		

2.1.2 Tank 2003

Device ID #	**100756**	***Device Name***	**Tank 2003**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	T-2003
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Hot Water		
Device Description	Service: water from the skimming pond		

2.1.3 Tank 7001

Device ID #	**100757**	***Device Name***	**Tank 7001**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	T-7001
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.L.13 H2O Well/Filtration Sys/Reverse Osmosis	
Location Note	Plant Water		
Device Description	Service: well water		

2.1.4 Tank 100001

Device ID #	**100747**	***Device Name***	**Tank 100001**
Rated Heat Input		*Physical Size*	100000.00 BBL
Manufacturer		*Operator ID*	T-100001
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.V.6 Storage Of Asphalt	
Location Note			
Device Description	Service: asphalt storage		

2.2 Pumps

2.2.1 Pump 204

Device ID #	**100752**	***Device Name***	**Pump 204**
Rated Heat Input		*Physical Size*	60.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-204
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.L.13 H2O Well/Filtration Sys/Reverse Osmosis	
Location Note	Fire Pump		
Device Description	Service: well water		

2.2.2 Pump 205

Device ID #	**100749**	***Device Name***	**Pump 205**
Rated Heat Input		*Physical Size*	25.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-205
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	#6 Asphalt Sump		
Device Description	Service: asphalt transfer pump		

2.2.3 Pump 206

Device ID #	**100750**	***Device Name***	**Pump 206**
Rated Heat Input		*Physical Size*	30.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-206
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	#6 Asphalt Sump		
Device Description	Service: asphalt transfer pump		

2.2.4 Pump 208

Device ID #	**100751**	***Device Name***	**Pump 208**
Rated Heat Input		*Physical Size*	20.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-208
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Tank T-100001		
Device Description	Service: asphalt transfer pump		

2.2.5 Pump 216

Device ID #	**100753**	***Device Name***	**Pump 216**
Rated Heat Input		*Physical Size*	10.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-216
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.L.13 H2O Well/Filtration Sys/Reverse Osmosis	
Location Note	Water Well Pump		
Device Description	Service: well water		

2.2.6 Pump 218

Device ID #	**008348**	***Device Name***	**Pump 218**
Rated Heat Input		*Physical Size*	198.00 Brake Horsepower
Manufacturer		*Operator ID*	P-218
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.F.1.d. Spark ignition piston-type ICEs for emergency electrical power generation	
Location Note	Fire Pump		
Device Description	Fire water pump		

2.2.7 Pump 219

Device ID #	**100754**	***Device Name***	**Pump 219**
Rated Heat Input		*Physical Size*	60.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-219
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.P.5 Equipment For Manufacture Of Water Emulsions	
Location Note	Water Pump		
Device Description	Service: EVAP pond		

2.3 Asphalt Storage Pit

Device ID #	**100748**	***Device Name***	**Asphalt Storage Pit**
Rated Heat Input		*Physical Size*	220000.00 BBL
Manufacturer		*Operator ID*	
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.V.6 Storage Of Asphalt	
Location Note			
Device Description	Length: 80', width: 120'		

2.4 Corrosion Unit 609

Device ID #	**100755**	***Device Name***	**Corrosion Unit 609**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	C-609
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note			
Device Description	Service: corrosion inhibitor chemical		

3 Corrosion Units

3.1 Corrosion Unit 603

Device ID #	**100630**	***Device Name***	**Corrosion Unit 603**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	C-603
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Cooling tower		
Device Description	Service: cooling water and treatment chemical		

3.2 Corrosion Unit 604

Device ID #	**100631**	***Device Name***	**Corrosion Unit 604**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	C-604
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Cooling tower		
Device Description	Service: cooling water and treatment chemical		

3.3 Corrosion Unit 605

Device ID #	**100632**	***Device Name***	**Corrosion Unit 605**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	C-605
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Boiler Water		
Device Description	Service: water and treatment chemical		

3.4 Corrosion Unit 606

Device ID #	**100633**	***Device Name***	**Corrosion Unit 606**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	C-606
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Boiler Water		
Device Description	Service: water and treatment chemical		

3.5 Corrosion Unit 607

Device ID #	**100634**	***Device Name***	**Corrosion Unit 607**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	C-607
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Tool Cleaning		
Device Description	Service: kerosene distillate		

3.6 Corrosion Unit 608

Device ID #	**100685**	***Device Name***	**Corrosion Unit 608**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	C-608
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Steam Corrosion		
Device Description	Service: corrosion inhibitor		

3.7 Corrosion Unit 610

Device ID #	**100635**	***Device Name***	**Corrosion Unit 610**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	C-610
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Boiler Water		
Device Description	Service: boiler water and treatment chemical		

4 Drums

4.1 Drum 301

Device ID #	**100637**	***Device Name***	**Drum 301**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	D-301
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Deaerator		
Device Description	Service: steam and water		

4.2 Drum 302

Device ID #	**100638**	***Device Name***	**Drum 302**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	D-302
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Condensate Scrubber		
Device Description	Service: steam and water		

4.3 Drum 401

Device ID #	**100639**	***Device Name***	**Drum 401**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	D-401
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Water Softener		
Device Description	Service: water softener resins		

4.4 Drum 402

Device ID #	**100640**	***Device Name***	**Drum 402**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	D-402
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Water Softener		
Device Description	Service: water softener resins		

4.5 Drum 501

Device ID #	**100641**	***Device Name***	**Drum 501**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	D-501
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Instrument Air		
Device Description	Service: air		

4.6 Drum 502

Device ID #	**100642**	***Device Name***	**Drum 502**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	D-502
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Plant Air		
Device Description	Service: air		

4.7 Drum 503

Device ID #	**100643**	***Device Name***	**Drum 503**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	D-503
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Instrument Air		
Device Description	Service: air and desiccant		

4.8 Drum 504

Device ID #	**100644**	***Device Name***	**Drum 504**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	D-504
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Main Discharge		
Device Description	Service: air		

4.9 Drum 505

Device ID #	**100645**	***Device Name***	**Drum 505**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	D-505
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Air Receiver		
Device Description	Service: air		

5 Fans

5.1 Cooling Tower Fan 169

Device ID #	**100596**	***Device Name***	**Cooling Tower Fan 169**
Rated Heat Input		*Physical Size*	10.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	CTF-169
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Crude Unit		
Device Description	Service: cooling tower fan		

5.2 Cooling Tower Fan 170

Device ID #	**100600**	***Device Name***	**Cooling Tower Fan 170**
Rated Heat Input		*Physical Size*	10.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	CTF-170
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Crude Unit		
Device Description	Service: cooling tower fan		

5.3 Cooling Tower Fan 171

Device ID #	**100601**	***Device Name***	**Cooling Tower Fan 171**
Rated Heat Input		*Physical Size*	15.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	CTF-171
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Crude Unit		
Device Description	Service: cooling tower fan		

5.4 Fan 172

Device ID #	**100646**	***Device Name***	**Fan 172**
Rated Heat Input		*Physical Size*	15.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	F-172
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Gas Oil		
Device Description	Service: fin fan		

5.5 Fan 173

Device ID #	**100647**	***Device Name***	**Fan 173**
Rated Heat Input		*Physical Size*	20.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	F-173
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Kerosene Distillate and Naphtha Fin Fan		
Device Description			

5.6 Fan 174

Device ID #	**100648**	***Device Name***	**Fan 174**
Rated Heat Input		*Physical Size*	0.50 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	F-174
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Electric S/W Building Fan		
Device Description			

5.7 Fan 175

Device ID #	**100649**	***Device Name***	**Fan 175**
Rated Heat Input		*Physical Size*	0.50 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	F-175
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Electric S/W Building Fan		
Device Description			

5.8 Fan 177

Device ID #	**100650**	***Device Name***	**Fan 177**
Rated Heat Input		*Physical Size*	0.75 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	F-177
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	A/C Fan in Control Room		
Device Description			

5.9 Fan 181

Device ID #	**100651**	***Device Name***	**Fan 181**
Rated Heat Input		*Physical Size*	0.50 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	F-181
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Lab Fan		
Device Description			

5.10 Fan 182

Device ID #	**100652**	***Device Name***	**Fan 182**
Rated Heat Input		*Physical Size*	0.50 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	F-182
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Lab Fan		
Device Description			

6 HEAF Systems

6.1 High Energy Filter System HEAF System 1

Device ID #	**100658**	***Device Name***	**High Energy Filter System HEAF System 1**
Rated Heat Input		*Physical Size*	20.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	VRU-1
Model	V-15	*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note			
Device Description	Serving asphalt loading racks (LR-1, LR-2, and LR-3), stack height: 8' 4"		

6.2 High Energy Filter System HEAF System 2

Device ID #	**100657**	***Device Name***	**High Energy Filter System HEAF System 2**
Rated Heat Input		*Physical Size*	20.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	VRU-2
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note			
Device Description	Serving asphalt and cutback asphalt loading racks (LR-4 and LR-5), stack height: 8 '4"		

6.3 High Energy Filter System HEAF System 3

Device ID #	**100659**	***Device Name***	**High Energy Filter System HEAF System 3**
Rated Heat Input		*Physical Size*	10.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	VRU-3
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note			
Device Description	Serving rail tank car asphalt loading rack (LR-8), stack height: 8' 4"		

7 Loading Racks

7.1 Loading Rack 1

Device ID #	**000360**	***Device Name***	**Loading Rack 1**
Rated Heat Input		*Physical Size*	30.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	LR-1
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note			
Device Description	Four loading nozzles, loading asphalt into highway cargo trucks, all nozzles connected to HEAF, penetration asphalt overhead loading rack		

7.2 Loading Rack 2

Device ID #	**000358**	***Device Name***	**Loading Rack 2**
Rated Heat Input		*Physical Size*	30.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	LR-2
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note			
Device Description	Four loading nozzles, loading asphalt into highway cargo trucks, all nozzles connected to HEAF, penetration asphalt overhead loading rack		

7.3 Loading Rack 3

Device ID #	**005834**	***Device Name***	**Loading Rack 3**
Rated Heat Input		*Physical Size*	25.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	LR-3
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note			
Device Description	Two loading nozzles, loading asphalt into highway cargo trucks, all nozzles connected to HEAF, asphalt overhead loading rack		

7.4 Loading Rack 4

Device ID #	**000357**	***Device Name***	**Loading Rack 4**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	LR-4
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note			
Device Description	Two loading nozzles, loading asphalt into highway cargo trucks, all nozzles connected to HEAF, asphalt overhead loading rack		

7.5 Loading Rack 5

Device ID #	**000359**	***Device Name***	**Loading Rack 5**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	LR-5
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note			
Device Description	Two loading nozzles, loading asphalt into highway cargo trucks, gravity flow, all nozzles connected to HEAF, cutback asphalt overhead loading rack		

7.6 Loading Rack 8

Device ID #	**000361**	***Device Name***	**Loading Rack 8**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	LR-8
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note			
Device Description	Seven loading nozzles for loading asphalt into railroad tanker cars, one loading nozzle for asphalt emulsions, all nozzles are connected to HEAF, rail tank car asphalt overhead loading rack		

8 Pumps/Electric Motors

8.1 Pump 128

Device ID #	**100622**	***Device Name***	**Pump 128**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	RP-128
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Vacuum Standby		
Device Description	Service: asphalt		

8.2 Pump 129

Device ID #	**100623**	***Device Name***	**Pump 129**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	RP-129
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Boiler Feed Water		
Device Description	Service: water		

8.3 Pump 130

Device ID #	**100624**	***Device Name***	**Pump 130**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	RP-130
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Boiler Feed Water		
Device Description	Service: water		

8.4 Pump 131

Device ID #	**100606**	***Device Name***	**Pump 131**
Rated Heat Input		*Physical Size*	3.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-131
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Brine Pit		
Device Description	Service: brine		

8.5 Pump 132

Device ID #	**100607**	***Device Name***	**Pump 132**
Rated Heat Input		*Physical Size*	75.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-132
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Cooling Tower		
Device Description	Service: cooling water		

8.6 Pump 133

Device ID #	**100625**	***Device Name***	**Pump 133**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	RP-133
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Cooling Tower		
Device Description	Service: cooling water standby		

8.7 Pump 134

Device ID #	**100608**	***Device Name***	**Pump 134**
Rated Heat Input		*Physical Size*	25.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-134
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Plant Water		
Device Description	Service: well water		

8.8 Pump 135

Device ID #	**100626**	***Device Name***	**Pump 135**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	RP-135
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Plant Water Standby		
Device Description	Service: well water		

8.9 Pump 136

Device ID #	**100609**	***Device Name***	**Pump 136**
Rated Heat Input		*Physical Size*	50.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-136
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Cooling water		
Device Description	Service: cooling water		

8.10 Pump 137

Device ID #	**100627**	***Device Name***	**Pump 137**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	RP-137
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Cooling Water		
Device Description	Service: cooling water standby		

8.11 Pump 139

Device ID #	**100610**	***Device Name***	**Pump 139**
Rated Heat Input		*Physical Size*	0.50 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-139
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Chemical feed		
Device Description	Service: out of service		

8.12 Pump 141

Device ID #	**100628**	***Device Name***	**Pump 141**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	RP-141
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Steam Air		
Device Description	Service: air standby		

8.13 Pump 142

Device ID #	**100602**	***Device Name***	**Pump 142**
Rated Heat Input		*Physical Size*	75.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	ERP-142
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Main Air Compressor		
Device Description	Service: air		

8.14 Pump 143

Device ID #	**100598**	***Device Name***	**Pump 143**
Rated Heat Input		*Physical Size*	5.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-143
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Crude Unit		
Device Description	Service: hot water		

8.15 Pump 144

Device ID #	**100599**	***Device Name***	**Pump 144**
Rated Heat Input		*Physical Size*	5.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-144
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Crude Unit		
Device Description	Service: hot water		

8.16 Pump 153

Device ID #	**100611**	***Device Name***	**Pump 153**
Rated Heat Input		*Physical Size*	0.25 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-153
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Acid Cooling Tower		
Device Description	Service: acid pump		

8.17 Pump 155

Device ID #	**100629**	***Device Name***	**Pump 155**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	RP-155
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Skimming Pond		
Device Description	Service: recovered water		

8.18 Pump 156

Device ID #	**100612**	***Device Name***	**Pump 156**
Rated Heat Input		*Physical Size*	0.33 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-156
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Chemical Feed		
Device Description	Service: water and boiler		

8.19 Pump 157

Device ID #	**100678**	***Device Name***	**Pump 157**
Rated Heat Input		*Physical Size*	0.30 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	PDP-157
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Chemical Feed at #1 Retort Boiler		
Device Description	Service: water treatment chemical		

8.20 Pump 160

Device ID #	**100621**	***Device Name***	**Pump 160**
Rated Heat Input		*Physical Size*	0.25 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	PDP-160
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Water and treated water chemical		
Device Description	Service: chemical feed cooling		

8.21 Pump 161

Device ID #	**100613**	***Device Name***	**Pump 161**
Rated Heat Input		*Physical Size*	1.50 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-161
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Naphtha accumulated water		
Device Description	Service: sour water		

8.22 Pump 162

Device ID #	**100614**	***Device Name***	**Pump 162**
Rated Heat Input		*Physical Size*	1.50 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-162
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note			
Device Description	Service: sour water		

8.23 Pump 163

Device ID #	**100615**	***Device Name***	**Pump 163**
Rated Heat Input		*Physical Size*	0.33 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-163
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Chemical Feed		
Device Description	Service: boiler treatment chemical		

8.24 Pump 164

Device ID #	**100603**	***Device Name***	**Pump 164**
Rated Heat Input		*Physical Size*	0.33 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	ERP-164
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note			
Device Description	Service: boiler treatment chemical		

8.25 Pump 165

Device ID #	**100604**	***Device Name***	**Pump 165**
Rated Heat Input		*Physical Size*	0.33 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	ERP-165
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note			
Device Description	Service: boiler treatment chemical		

8.26 Pump 166

Device ID #	**100605**	***Device Name***	**Pump 166**
Rated Heat Input		*Physical Size*	10.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	ERP-166
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note			
Device Description	Service: air		

8.27 Pump 168

Device ID #	**100616**	***Device Name***	**Pump 168**
Rated Heat Input		*Physical Size*	1.50 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-168
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Accumulated Water Tank		
Device Description	Service: water		

8.28 Pump 169

Device ID #	**100617**	***Device Name***	**Pump 169**
Rated Heat Input		*Physical Size*	5.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-169
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Lab Mill		
Device Description	Service: asphalt/emulsions		

8.29 Pump 170

Device ID #	**100618**	***Device Name***	**Pump 170**
Rated Heat Input		*Physical Size*	0.75 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-170
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Lab Room		
Device Description	Service: asphalt/emulsions		

8.30 Pump 171

Device ID #	**100619**	***Device Name***	**Pump 171**
Rated Heat Input		*Physical Size*	0.75 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-171
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Lab Room		
Device Description	Service: asphalt/emulsions		

8.31 Pump 176

Device ID #	**100620**	***Device Name***	**Pump 176**
Rated Heat Input		*Physical Size*	40.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-176
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Vacuum Compressor		
Device Description	Service: out of service		

8.32 Pump 301

Device ID #	**100682**	***Device Name***	**Pump 301**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	RP-301
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note			
Device Description	Service: lube heavy/gas oil		

8.33 Pump 302

Device ID #	**100666**	***Device Name***	**Pump 302**
Rated Heat Input		*Physical Size*	20.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-302
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Rail Loading Rack		
Device Description	Service: lube/asphalt unloading		

8.34 Pump 303

Device ID #	**100668**	***Device Name***	**Pump 303**
Rated Heat Input		*Physical Size*	30.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-303
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Asphalt Tank Farm		
Device Description	Service: asphalt loading		

8.35 Pump 304

Device ID #	**100669**	***Device Name***	**Pump 304**
Rated Heat Input		*Physical Size*	30.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-304
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Asphalt Tank Farm		
Device Description	Service: asphalt loading		

8.36 Pump 305

Device ID #	**100679**	***Device Name***	**Pump 305**
Rated Heat Input		*Physical Size*	25.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	PDP-305
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Transfer Pump		
Device Description	Service: asphalt		

8.37 Pump 306

Device ID #	**100680**	***Device Name***	**Pump 306**
Rated Heat Input		*Physical Size*	30.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	PDP-306
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Asphalt Loading		
Device Description	Service: asphalt		

8.38 Pump 307

Device ID #	**100667**	***Device Name***	**Pump 307**
Rated Heat Input		*Physical Size*	30.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-307
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Asphalt Tank Farm		
Device Description	Service: asphalt loading		

8.39 Pump 308

Device ID #	**100681**	***Device Name***	**Pump 308**
Rated Heat Input		*Physical Size*	30.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	PDP-308
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Roadside Unloading		
Device Description	Service: asphalt		

8.40 Pump 309

Device ID #	**100671**	***Device Name***	**Pump 309**
Rated Heat Input		*Physical Size*	30.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-309
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Asphalt Tank Farm		
Device Description	Service: asphalt loading		

8.41 Pump 313

Device ID #	**100670**	***Device Name***	**Pump 313**
Rated Heat Input		*Physical Size*	20.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-313
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Asphalt Tank Farm		
Device Description	Service: gas oil blending cutback rack		

8.42 Pump 314

Device ID #	**100683**	***Device Name***	**Pump 314**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	RP-314
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Cutback Loading		
Device Description	Service: gas oil/asphalt driven pump		

8.43 Pump 315

Device ID #	**100672**	***Device Name***	**Pump 315**
Rated Heat Input		*Physical Size*	40.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-315
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Asphalt Tank Farm		
Device Description	Service: asphalt heater loading		

8.44 Pump 316

Device ID #	**100673**	***Device Name***	**Pump 316**
Rated Heat Input		*Physical Size*	25.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-316
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Asphalt Tank Farm		
Device Description	Service: asphalt heater loading		

8.45 Pump 318

Device ID #	**100675**	***Device Name***	**Pump 318**
Rated Heat Input		*Physical Size*	3.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-318
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Condensate		
Device Description	Service: steam condensate		

8.46 Pump 319

Device ID #	**100684**	***Device Name***	**Pump 319**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	RP-319
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Condensate Standby		
Device Description	Service: steam condensate driven pump		

8.47 Pump 320

Device ID #	**100676**	***Device Name***	**Pump 320**
Rated Heat Input		*Physical Size*	5.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-320
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Water Pump		
Device Description	Service: out of service		

8.48 Pump 321

Device ID #	**100677**	***Device Name***	**Pump 321**
Rated Heat Input		*Physical Size*	10.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-321
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Lube or Asphalt to Unit		
Device Description	Service: lube/asphalt		

8.49 Pump 414

Device ID #	**100674**	***Device Name***	**Pump 414**
Rated Heat Input		*Physical Size*	10.00 Horsepower (Electric Motor)
Manufacturer		*Operator ID*	P-414
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note	Emulsion Plant		
Device Description	Service: asphalt transfer for tanks T-10005 and T-10006		

9 Tanks

9.1 Tank 511

Device ID #	**100653**	***Device Name***	**Tank 511**
Rated Heat Input		*Physical Size*	449.00 BBL
Manufacturer		*Operator ID*	T-511
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.V.6 Storage Of Asphalt	
Location Note			
Device Description	Diameter: 15.4', height: 16', not connected to vapor recovery system, cutback asphalt		

9.2 Tank 512

Device ID #	**100654**	***Device Name***	**Tank 512**
Rated Heat Input		*Physical Size*	450.00 BBL
Manufacturer		*Operator ID*	T-512
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.V.6 Storage Of Asphalt	
Location Note			
Device Description	Diameter: 15.4', height: 16', not connected to vapor recovery system, cutback asphalt		

9.3 Tank 1501

Device ID #	**100636**	***Device Name***	**Tank 1501**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	T-1501
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note			
Device Description	Service: water from skimming pond		

9.4 Tanks 1507, 1508

Device ID #	**100660**	***Device Name***	**Tanks 1507, 1508**
Rated Heat Input		*Physical Size*	1500.00 BBL
Manufacturer		*Operator ID*	T-1507, T-1508
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.V.6 Storage Of Asphalt	
Location Note			
Device Description	Diameter: 21.5', height: 24', not connected to vapor recovery system, lube/asphalt, two tanks		

9.5 Tank 1509

Device ID #	**100656**	***Device Name***	**Tank 1509**
Rated Heat Input		*Physical Size*	1443.00 BBL
Manufacturer		*Operator ID*	T-1509
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.V.6 Storage Of Asphalt	
Location Note			
Device Description	Diameter: 26.4', height: 15.8', not connected to vapor recovery system, cutback asphalt		

9.6 Tank 2001

Device ID #	**100655**	***Device Name***	**Tank 2001**
Rated Heat Input		*Physical Size*	1799.00 BBL
Manufacturer		*Operator ID*	T-2001
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.V.6 Storage Of Asphalt	
Location Note			
Device Description	Diameter: 29.7', height: 16', not connected to vapor recovery system, cutback asphalt		

9.7 Tank 2002

Device ID #	**100661**	***Device Name***	**Tank 2002**
Rated Heat Input		*Physical Size*	2000.00 BBL
Manufacturer		*Operator ID*	T-2002
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.V.6 Storage Of Asphalt	
Location Note			
Device Description	Diameter: 24', height: 25.4', not connected to vapor recovery system, asphalt		

9.8 Tanks 2501, 2502, 2503

Device ID #	**100662**	***Device Name***	**Tanks 2501, 2502, 2503**
Rated Heat Input		*Physical Size*	2500.00 BBL
Manufacturer		*Operator ID*	T-2501, T-2502, T-2503
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.V.6 Storage Of Asphalt	
Location Note			
Device Description	Diameters: 33', height 16', not connected to vapor recovery system, asphalt, three tanks		

9.9 Tank 3001

Device ID #	**100663**	***Device Name***	**Tank 3001**
Rated Heat Input		*Physical Size*	3000.00 BBL
Manufacturer		*Operator ID*	T-3001
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.V.6 Storage Of Asphalt	
Location Note			
Device Description	Diameter: 29.7', height: 24', not connected to vapor recovery system, asphalt		

9.10 Tanks 5001, 5003, 5004

Device ID #	**100664**	***Device Name***	**Tanks 5001, 5003, 5004**
Rated Heat Input		*Physical Size*	5000.00 BBL
Manufacturer		*Operator ID*	T-5001, T-5003, T-5004
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.V.6 Storage Of Asphalt	
Location Note			
Device Description	Diameter: 37', height: 24', not connected to vapor recovery system, asphalt, three tanks		

9.11 Tanks 10004, 10005, 10006

Device ID #	**100665**	***Device Name***	**Tanks 10004, 10005, 10006**
Rated Heat Input		*Physical Size*	10000.00 BBL
Manufacturer		*Operator ID*	T-10004, T-10005, T-10006
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.V.6 Storage Of Asphalt	
Location Note			
Device Description	Diameter: 42.4', height: 40', not connected to vapor recovery system, asphalt, three tanks		

9.12 Tank 24001

Device ID #	**000355**	***Device Name***	**Tank 24001**
Rated Heat Input		*Physical Size*	23319.00 BBL
Manufacturer		*Operator ID*	T-24001
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 201.A No Potential To Emit Air Contaminants	
Location Note			
Device Description	Diameter: 60', height: 47.5' (46.4' usable), equipped with a cone roof, fire water		

10 Cooling Tower

Device ID #	**100597**	***Device Name***	**Cooling Tower**
Rated Heat Input		*Physical Size*	
Manufacturer		*Operator ID*	W-104
Model		*Serial Number*	
Part 70 Insig?	No	*District Rule Exemption:* 202.L.4 Water Cooling Towers/Ponds	
Location Note	Gas Oil Stripper Tower		
Device Description	Service: super heated steam		

air pollution control district
SANTA BARBARA COUNTY

PERMIT EVALUATION FOR
PERMIT TO OPERATE 08259 - R11

1.0 BACKGROUND

1.1 General: This is the eleventh triennial reevaluation of Permit to Operate 8259. This permit contains an updated rule review, permit conditions, equipment list, and emissions calculations. This permit reevaluation supersedes PTO Mod 14599-01 (operation of a replacement boiler and associated burner elements).

1.2 Permit History:

PERMIT	FINAL ISSUED	PERMIT DESCRIPTION
Reeval 08259 R10	05/11/2016	Tanks, heaters, pumps, asphalt loading/storage, light oil loading, naphtha loading, heavy vacuum gas oil, and Sulfatreat H_2S removal system reevaluation
PTO 14599	06/28/2016	Install new boiler to replace the existing #1 Muira boiler.
Reeval 11650 R4	08/28/2017	E/S generator reevaluation.
Reeval 11651 R4	11/15/2017	E/S generator reevaluation.
PTO Mod 14599 01	07/09/2018	Modify the burner associated with the Seattle boiler.
ATC/PTO 15241	07/09/2018	Install and operate a temporary engine.

1.3 Compliance History:

VIOLATION TYPE	NUMBER	ISSUE DATE	DESCRIPTION OF VIOLATION
NOV	10940	03/14/2016	District Rule 331 violation, District Rule 201 violation and two District Rule 206 violations.
NOV	10942	03/28/2016	District Rule 201 violation and District Rule 206 violation.
NOV	11104	09/07/2016	District Rule 206 violation.
NOV	11182	03/27/2017	District Rule 331 violation.
NOV	11195	07/12/2017	Four District Rule 206 violations and three District Rule 331 violations.
NOV	11253	10/30/2017	Five District Rule 206 violations and two District Rule 201 violations.
NOV	11334	03/28/2018	District Rule 326 I.1 violation and multiple District Rule 342 G.1 violations.
NOV	11335	03/28/2018	Multiple District Rule 206 violations and two District Rule 331 violations.
NOV	11336	03/28/2018	Multiple District Rule 206 violations.
NOV	11337	05/02/2018	Multiple District Rule 206 violations.
NOV	11381	10/02/2018	District Rule 326 violation.
NOV	11382	10/19/2018	Two District Rule 206 violations.

2.0 ENGINEERING ANALYSIS

2.1 Equipment/Processes: Crude feedstock is transported by truck and pumped directly into one of four storage tanks designated T-40001, T-40002, T-10009 and T-27001. Vapors collected by the vapor recovery system from T-40001, T-10009, and T-27001 are routed to Crude Heaters 1 and 2 for incineration. T-40002 is equipped with an external floating roof with primary and secondary seals and therefore is not vented to the vapor recovery system. Crude from the storage tanks is pumped through heat exchangers before entering pre-flash tower W-101. Naphtha from the flash tower overhead is routed to atmospheric crude fractionator tower W-102. Pre-flash bottoms are pumped to Crude Heater 1 and 2 operating in parallel. At low throughput rates, only one heater is utilized.

After heating, the pre-flash tower bottoms go to the atmospheric crude fractionator tower W-102 for fractionation into naphtha, kerosene distillate, and gas oil. The kerosene distillate and gas oil is sent to storage following stripping in a dual chamber tower W-103/W-104.

The atmospheric crude tower bottoms are pumped through the vacuum heater prior to vacuum distillation in tower W-105. Gas oils are sent through heat exchangers and water coolers to storage. Asphalt is sent through heat exchangers to storage.

Asphalt from the vacuum unit can be: (1) sold as paving asphalt, (2) mixed with gas oil to produce slow cure cutback asphalt or (3) combined with water and emulsifying agents to produce emulsified asphalt. Asphalt storage tanks are kept warm by tank steam coils or circulating the asphalt through gas-fired heaters. Steam for the refinery (15,000 pounds per hour) is supplied by steam boilers.

Asphalt Loading and Storage

Liquid paving asphalt is stored in the asphalt tank farm between 275 °F and 360 °F. Asphalt storage tank temperatures are maintained by steam coils located near the tank bottoms or by circulating through gas-fired heaters. The asphalt is loaded into tank cars or trucks at 400 °F via loading racks. A vapor recovery system is utilized to catch asphaltic vapors. Asphalt is also stored in a 220,000 barrel gunite-lined open sump and a 100,000 bbl cone-roofed steel storage tank (T-100001). These two systems store asphalt during the winter months. Asphalt is retrieved from the sump and the 100,000 barrel tank by steam heated suction heaters at the pump suction inlet. The Seattle Boiler provides the steam for the suction heaters. The asphalt is heated between 200 °F and 360 °F, and pumped directly into tanks at the asphalt tank farm where it is sold. From the storage tanks, the asphalt is either transferred from the property by truck or rail tank car.

Light Oil Loading

All distillate products are loaded through the distillate loading rack located near the east boundary fence. A concrete lined sump is located near the rack to contain any spills. The concrete loading pads are piped into this pit. A sump pump automatically empties the pit to the API separator. Products loaded are:

1. API 20.0 - 28.0: Gas oil from Tanks T-10009 and T-25001.

2. API 42.0 - 60.0: Feedstock from Tank T-10008.

3. API 20.0 - 25.0: Gas oil is occasionally loaded through the cutback asphalt rack located near the asphalt tank farm. This gas oil is also used as a cutter stock for slow-curing (SC) asphalt road oils.

Naphtha Loading

Naphtha may be "switch loaded" into trucks that previously carried gasoline. Displaced vapors from the truck being loaded are piped to a knockout drum where condensed liquids are collected. The knockout drum is equipped with a level switch that will shut-down the compressor in the event that a truck overfills liquids into the vapor recovery system. Fluids from the knockout vessel are returned to an existing sump. The vapors from the knockout vessel are compressed to 10 psig and 140 °F. The compressed vapors are then cooled by the air cooler, causing liquid hydrocarbons to condense from the vapor. The condensed liquids are collected in the compressor discharge knockout drum. The compressor discharge knockout drum is equipped with a level control switch that turns on a pump that sends the collected fluids to Tank T-10008. Vapors from the compressor discharge knockout drum pass through a demister pad and are combusted. The vapor line is equipped with a flame arrester to prevent flashback.

Heavy Vacuum Gas Oil

The refining process requires that additives be blended in the crude to achieve certain asphalt specifications. These additives include plasticizers, such as heavy vacuum gas oil (HVGO), which are injected into the crude to facilitate blending. HVGO is typically purchased and is currently stored in Tank T-10009. A vapor recovery system services this tank.

SulfaTreat H_2S Removal System

The refinery operations at the Santa Maria Refinery result in residual tailgas vapors from various processes that are incinerated in the crude heaters. These sources include Drum D-101 (naptha accumulator) headspace vapor and naptha loading rack. The high concentration H_2S vapors from the naphtha loading rack and D-101 are directed to a dry bed adsorbent system that utilizes SulfaTreat 410 HP as the H_2S adsorbent and two existing onsite vessels as the contact vessels. These vessels operate in series in a lead/lag configuration. Tail gas first enters the lead vessel Dry Bed Contactor D-80 then routed to the Dry Bed Contactor D-205 lag vessel. The only time tail gas is treated by a single vessel is during changeout of spent SulfaTreat.

2.2 Emission Controls: Crude Heater 1 (Device ID: 000345), Crude Heater 2 (Device ID: 000346), Crude Heater 3 (Device ID: 000347), Wicks Boiler (Device ID: 000352), Miura Boiler 2 (Device ID: 112727), Miura Boiler 3 (Device ID: 100922), Asphalt Heater 4 (Device ID: 000350) and Seattle Boiler (Device ID: 387607) are equipped with low NO_x burners.

Tanks T-10009, T-27001, and T-40001, which are used for crude oil storage, are connected to a vapor recovery system with a 95-percent control efficiency.

The internal and external floating roof tanks (Tanks T-10007, T-10008, T-25001, and T-40002) reduce ROC emissions from the stored crude, naphtha, and gas oil. A fugitive hydrocarbon inspection and maintenance program is used to comply with District Rule 331. An 80-percent reduction is applied to valves, fittings, and wellheads for implementation of Rule 331.

The naphtha loading rack (Device ID: 000371) is connected to a vapor recovery system with a 95-percent control efficiency.

2.3 Emission Factors: Emission factors are documented in Attachment A. Carbon monoxide emission factors for several pieces of fuel burning equipment were purposely lowered below the Rule 342 limits during the installation of these units to avoid triggering BACT.

2.4 Reasonable Worst Case Emission Scenario: The operating scenario is summarized as follows:

- The HEAF units operate during times of asphalt loading.
- Tank T-10007 is a welded tank with a mechanical shoe equipped with a primary seal and a rim mounted secondary seal, and the shell condition is light rust.
- Tank T-10007 contents do not exceed a vapor pressure of 0.001 psia, have average organic liquid density of 7.5 lb/gal, a liquid molecular weight of 210 lb/lb-mole, and 100% ROC/THC ratio.
- Tank T-10008 is a welded tank with a mechanical shoe equipped with a primary seal, and the shell condition is light rust.
- Tank T-10008 contents do not exceed a vapor pressure of 1.150 psia, have average organic liquid density of 6.4 lb/gal, a liquid molecular weight of 80 lb/lb-mole, and 100% ROC/THC ratio.
- Tank T-25001 is a welded tank with a vapor mounted seal equipped with a primary seal, and the shell condition is light rust.
- Tank T-25001 contents do not exceed a vapor pressure of 0.001 psia, have average organic liquid density of 7.5 lb/gal, a liquid molecular weight of 210 lb/lb-mole, and 100% ROC/THC ratio.
- Tank T-40002 is a welded tank with a vapor mounted seal equipped with a primary seal and a rim mounted secondary seal, and the shell condition is light rust.
- Tank T-40002 contents do not exceed a vapor pressure of 6.970 psia, have average organic liquid density of 7.1 lb/gal, a liquid molecular weight of 50 lb/lb-mole, and 88.5% ROC/THC ratio.
- Distillation plant throughput does not exceed 11,000 bbls/day.
- Crude Heater 1, Crude Heater 2, Crude Heater 3, Wicks Boiler, and Asphalt Heater 4 are fired on tail gas.
- Asphalt Heater 1, Asphalt Heater 2, Asphalt Heater, Seattle Boiler, and Hot Oil Heater are fired on PUC quality natural gas.
- Muira Boiler 2 and Muira Boiler 3 are fired on field gas.
- The tail gas incinerated at the facility shall not exceed 796 ppmv (as H_2S).
- The field gas incinerated at the facility shall not exceed 200 ppmv (as H_2S).
- The PUC quality natural gas incinerated at the facility shall not exceed 80 ppmv (as H_2S).

- Annual heat input limits for the combustion equipment do not exceed the values found in Condition 2.
- The throughput limits for the tanks and loading racks do not exceed the values found in Condition 2.

2.5 Emission Calculations: Detailed emission calculations and calculation spreadsheets may be found in Attachment A. These emissions define the Potential to Emit for the permitted equipment.

2.6 Special Calculations: There are no special calculations.

2.7 BACT Analyses: Best Available Control Technology for the Seattle Boiler (Device ID: 387607) was triggered under ATC 14564. See Table 3 for the Seattle Boiler's BACT requirements.

2.8 Enforceable Operational Limits: The permit has enforceable operating conditions that ensure the equipment is operated properly.

2.9 Monitoring Requirements: Monitoring of the equipment's operational limits are required to ensure that these are enforceable. This permit requires monitoring of the volume of oil processed, gas oil transferred, crude oil transferred, naphtha transferred, and fuel gases burned in the combustion units. Additionally, fuel gas properties, the amount of solvents used, products trucked from the facility and the parameters required by District Rules 325.F, 326.J, 331.G, and 346.G are monitored.

2.10 Recordkeeping and Reporting Requirements: The permit requires that the data which is monitored be recorded and reported to the District.

3.0 REEVALUATION REVIEW

3.1 Compliance Summary: Since the previous permit reevaluation, District inspections were conducted on February 3, 2016, August 9, 2016, November 9, 2016, December 14, 2016, March 14, 2017, June 13, 2017, November 11, 2017, March 21, 2018, May 23, 2018, June 19, 2018, July 31, 2018, September 10, 2018, November 11, 2018, and December 17, 2018. The inspection reports indicate that Notices of Violations were issued during these inspections. See Section 1.3 for more details.

3.2 Notes from Inspector: No comments from last inspection.

3.3 Changes to Applicable Rules (or new rules): None.

3.4 Changes/Revisions to Engineering Analysis (EF updates, etc.): The process description has been updated to include references to the Seattle Boiler.

3.5 Changes/Revisions to Monitoring, Recordkeeping & Reporting: The monitoring, recordkeeping and reporting conditions have been updated to include the requirements of PTO Mod 14599-01. Certain permit condition references have been corrected.

3.6 Other Changes/Corrections Made: The equipment list has been updated to clarify equipment descriptions and the Seattle Boiler was added. Operational conditions were added to clarify the sulfur limits for each piece of combustion equipment. Permit Condition 12 was added to address Rule 361 requirements for existing units. Additionally, the following corrections where made to the emission calculations:

- Floating Roof Tank T-10007:
  - Revised shell clingage factor (bbl/1,000 ft^2) from 0.002 to 0.0015 to be consistent with AP-42, Chapter 7.1, Table 7.1-10.
  - Revised K_D value (lb-mole/feet-year) from 0.14 to 0.34 to be consistent with AP-42, Chapter 7.1, Equation 2-9.

- Floating Roof Tank T-10008:
  - Revised K_{Rb} value (lb/-mole/feet-year) from 0.0 to 0.3 to be consistent with AP-42, Chapter 7.1, Table 7.1-8.
  - Revised n value from 0.0 to 2.1 to be consistent with AP-42, Chapter 7.1, Table 7.1-8.
  - Revised shell clingage factor (bbl/1,000 ft^2) from 0.002 to 0.0015 to be consistent with AP-42, Chapter 7.1, Table 7.1-10.
  - Revised K_D value (lb-mole/feet-year) from 0.14 to 0.34 to be consistent with AP-42, Chapter 7.1, Equation 2-9.

- Floating Roof Tank T-25001:
  - Revised K_{Rb} value (lb/-mole/feet-year) from 0.0 to 0.2 to be consistent with AP-42, Chapter 7.1, Table 7.1-8.
  - Revised n value from 2.1 to 3.0 to be consistent with AP-42, Chapter 7.1, Table 7.1-8.
  - Revised shell clingage factor (bbl/1,000 ft^2) from 0.002 to 0.0015 to be consistent with AP-42, Chapter 7.1, Table 7.1-10.

- Combustion Equipment:
  - Updated NO_x emission factor from 0.0356 lb/MMBtu to 0.0360 lb/MMBtu to accurately reflect the maximum stack concentration of 48 ppmv @ 3% O_2 for Crude Heater 1, Crude Heater 2, Crude Heater 3, Wicks Boiler, Miura Boiler 2, Miura Boiler 3, Asphalt Heater 4, and Hot Oil Heater.
  - Updated CO emission factor from 0.0368 lb/MMBtu to 0.0371 lb/MMBtu to accurately reflect the maximum stack concentration of 50 ppmv @ 3% O_2 for the Hot Oil Heater.
  - Corrected annual heat input values in the emission calculations for the Wicks Boiler, Asphalt Heater 1, Asphalt Heater 2, Asphalt Heater 3, and Asphalt Heater 4 to be consistent with the permit conditions and evaluation. These values were incorrectly changed in the emission calculations during the last permit reevaluation.

4.0 REGULATORY REVIEW

4.1 Partial List of Applicable Rules:

Rule 101. Compliance of Existing Facilities
Rule 201. Permits Required
Rule 202. Exemptions to Rule 201
Rule 205. Standards for Granting Permits
Rule 210. Fees
Rule 301. Circumvention
Rule 302. Visible Emissions
Rule 303. Nuisance
Rule 304. Particulate Matter - Northern Zone
Rule 309. Specific Contaminants
Rule 310. Odorous Organic Sulfides
Rule 311. Sulfur Content of Fuels
Rule 317. Organic Solvents
Rule 322. Metal Surface Coating Thinner and Reducer
Rule 323. Architectural Coatings
Rule 324. Disposal and Evaporation of Solvents
Rule 325. Crude Oil Production and Separation
Rule 326. Storage of Reactive Organic Compound Liquids
Rule 331. Fugitive Emissions Inspection and Maintenance
Rule 342. Control of Oxides of Nitrogen from Boilers, Steam Generators, Heaters
Rule 346. Loading of Organic Liquid Cargo Vessels
Rule 360. Emissions of Oxides of Nitrogen from Large Water Heaters and Small Boilers
Rule 361. Small Boilers, Steam Generators, and Process Heaters
Rule 505. Breakdown Procedures
Rule 801. New Source Review
Rule 802. Nonattainment Review
Rule 809. Federal Minor Source New Source Review
Rule 810. Federal Prevention of Significant Deterioration
40 CFR 60 Subpart Kb. Standards of Performance for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984

4.2 Rules Requiring Review:

4.2.1 *Rule 326 - Storage of Reactive Organic Compound Liquids*: This rule applies to tanks with a vapor pressure greater than 0.50 pounds per square inch absolute (psia). Tanks T-10007, T-10009, T-25001, T-27001, and T-40001 have vapor pressures less than 0.50 psia. Therefore, this rule is not applicable to these tanks.

4.2.2 *Rule 361. Small Boilers, Steam Generators, and Process Heaters.* Four external combustion units listed in the permit (Device IDs: 000348, 005833, 000349, and 006240) became subject to District Rule 361 on March 16, 2016. California Asphalt Production did not request the low-use exemption for these units; therefore, each must be modified or replaced to comply with the rule standards on or before January 1, 2020. See Condition 12.

5.0 AQIA

The project is not subject to the Air Quality Impact Analysis requirements of Regulation VIII.

6.0 OFFSETS/ERCs

6.1 Offsets: The Santa Maria Asphalt Refinery stationary source exceeds the offset thresholds of Regulation VIII for ROC and SO_x. However, this source did not become subject to the emission offset requirements of Regulation VIII until adoption of revised Rule 802 in August 2016, therefore emission offsets are not required for the emissions associated with this permit. Any future increase in ROC or SO_x emissions will be evaluated for emission offsets.

6.2 ERCs: This source does not generate emission reduction credits.

7.0 AIR TOXICS

In March 2014, the Santa Barbara County Air Pollution Control District (District) completed an AB 2588 "Hot Spots" program air toxics Health Risk Assessment (HRA) for Santa Maria Asphalt Refinery (SMAR) for inventory year 2002. The cancer risk and chronic and acute non-cancer hazard index risk values were compared to *significance thresholds* for cancer and chronic and acute non-cancer risks adopted by the District's Board of Directors. The calculated risk values and applicable thresholds are as follows (with significant risks shown in **bold**):

	SMAR Max Risks	Significance Threshold
Cancer risk:	5.62 /million	≥10/million
Chronic non-cancer risk:	0.269	> 1
Acute non-cancer risk:	5.247	> 1

The HRA was updated to reflect the implementation of the Risk Reduction Audit and Plan (RRAP) by removing emissions associated with the use of Cleaner 103F. SMAR's risk values after implementation of the RRAP are shown below:

	SMAR Max Risks	Significance Threshold
Cancer risk:	5.62 /million	≥10/million
Chronic non-cancer risk:	0.269	> 1
Acute non-cancer risk:	0.9023	> 1

8.0 CEQA / LEAD AGENCY

This project is exempt from CEQA pursuant to the Environmental Review Guidelines for the Santa Barbara County APCD (revised April 30, 2015). Appendix A (*APCD Projects Exempt from CEQA* and *Equipment or Operations Exempt from CEQA*) provides an exemption specifically for permits to operate and reevaluations thereof. No further action is necessary.

9.0 SCHOOL NOTIFICATION

A school notice pursuant to the requirements of Health and Safety Code Section 42301.6 was not required.

10.0 PUBLIC and AGENCY NOTFICATION PROCESS/COMMENTS ON DRAFT PERMIT

10.1 This project was not subject to public notice.

10.2 The permittee had no comments on the draft permit.

11.0 FEE DETERMINATION

Fees for the District's work efforts are assessed on a fee basis. The Project Code is *300500* (*Oil and Gas Plant*). See Attachment C for the fee calculations.

12.0 RECOMMENDATION

It is recommended that this permit be granted with the conditions as specified in the permit.

Kevin Brown	May 21, 2019		5/23/19
AQ Engineer/Technician	Date	Supervisor	Date

13.0 ATTACHMENT(S)

A. Emission Calculations
B. IDS Tables
C. Fee Statement

ATTACHMENT A
Emission Calculations

CRUDE HEATER 1 EMISSION CALCULATIONS (Ver. 7.0)

Attachment: A-1
Permit Number: Reeval 8259-R11
Facility: Santa Maria Asphalt Refinery

Heater Input Data

Information	*Value*	*Units*	*Reference*
Maximum Hourly Heat Input.....	12.800	MMBtu/hr	Permit Application
Daily Operating Schedule.....	24	hrs/day	Permit Application
Maximum Daily Heat Input.....	307.200	MMBtu/day	Calculated value
Yearly Load Factor (%).....	100	%	Permit Application
Maximum Annual Heat Input.....	112,128.000	MMBtu/yr	Calculated value

Fuel Information

Information	*Value*	*Units*	*Reference*
Fuel.....	Field Gas	N/A	Permit Application
High Heating Value.....	1,200	Btu/scf	Permit Application
Sulfur Content of Fuel.....	796.00	ppmvd as H_2S	Permit Application

Emission Factors

Pollutant	*Value*	*Units*	*Reference*
NO_x Emission Factor.....	0.0360	lb/MMBtu	30 ppmvd @ 3% O_2
ROC Emission Factor.....	0.0054	lb/MMBtu	AP-42, Section 1.4
CO Emission Factor.....	0.0356	lb/MMBtu	48 ppmvd @ 3% O_2
SO_x Emission Factor.....	0.1121	lb/MMBtu	Mass Balance Calculation
PM Emission Factor	0.0075	lb/MMBtu	AP-42, Section 1.4
PM_{10} Emission Factor.....	0.0075	lb/MMBtu	AP-42, Section 1.4
$PM_{2.5}$ Emission Factor.....	0.0075	lb/MMBtu	AP-42, Section 1.4

Boiler/Steam Generator Potential to Emit

Pollutant	lb/day	TPY
NO_x	11.06	2.02
ROC	1.66	0.30
CO	10.94	2.00
SO_x	34.44	6.28
PM	2.30	0.42
PM_{10}	2.30	0.42
$PM_{2.5}$	2.30	0.42

Processed By: KMB

Date: March 13, 2019

ATTACHMENT A
Emission Calculations

CRUDE HEATER 2 EMISSION CALCULATIONS (Ver. 7.0)

Attachment: A-2
Permit Number: Reeval 8259-R11
Facility: Santa Maria Asphalt Refinery

Heater Input Data

Information	*Value*	*Units*	*Reference*
Maximum Hourly Heat Input	18.000	MMBtu/hr	Permit Application
Daily Operating Schedule	24	hrs/day	Permit Application
Maximum Daily Heat Input	432.000	MMBtu/day	Calculated value
Yearly Load Factor (%)	100	%	Permit Application
Maximum Annual Heat Input	157,680.000	MMBtu/yr	Calculated value

Fuel Information

Information	*Value*	*Units*	*Reference*
Fuel	Field Gas	N/A	Permit Application
High Heating Value	1,200	Btu/scf	Permit Application
Sulfur Content of Fuel	796.00	ppmvd as H_2S	Permit Application

Emission Factors

Pollutant	*Value*	*Units*	*Reference*
NO_x Emission Factor	0.0360	lb/MMBtu	30 ppmvd @ 3% O_2
ROC Emission Factor	0.0054	lb/MMBtu	AP-42, Section 1.4
CO Emission Factor	0.0356	lb/MMBtu	48 ppmvd @ 3% O_2
SO_x Emission Factor	0.1121	lb/MMBtu	Mass Balance Calculation
PM Emission Factor	0.0075	lb/MMBtu	AP-42, Section 1.4
PM_{10} Emission Factor	0.0075	lb/MMBtu	AP-42, Section 1.4
$PM_{2.5}$ Emission Factor	0.0075	lb/MMBtu	AP-42, Section 1.4

Boiler/Steam Generator Potential to Emit

Pollutant	lb/day	TPY
NO_x	15.55	2.84
ROC	2.33	0.43
CO	15.38	2.81
SO_x	48.43	8.84
PM	3.24	0.59
PM_{10}	3.24	0.59
$PM_{2.5}$	3.24	0.59

Processed By: KMB

Date: March 13, 2019

ATTACHMENT A
Emission Calculations

CRUDE HEATER 3 EMISSION CALCULATIONS (Ver. 7.0)

Attachment: A-3
Permit Number: Reeval 8259-R11
Facility: Santa Maria Asphalt Refinery

Heater Input Data

Information	*Value*	*Units*	*Reference*
Maximum Hourly Heat Input.....	11.000	MMBtu/hr	Permit Application
Daily Operating Schedule.....	24	hrs/day	Permit Application
Maximum Daily Heat Input.....	264.000	MMBtu/day	Calculated value
Yearly Load Factor (%).....	100	%	Permit Application
Maximum Annual Heat Input.....	96,360.000	MMBtu/yr	Calculated value

Fuel Information

Information	*Value*	*Units*	*Reference*
Fuel.....	Field Gas	N/A	Permit Application
High Heating Value.....	1,200	Btu/scf	Permit Application
Sulfur Content of Fuel.....	796.00	ppmvd as H_2S	Permit Application

Emission Factors

Pollutant	*Value*	*Units*	*Reference*
NO_x Emission Factor.....	0.0360	lb/MMBtu	30 ppmvd @ 3% O_2
ROC Emission Factor.....	0.0054	lb/MMBtu	AP-42, Section 1.4
CO Emission Factor.....	0.0356	lb/MMBtu	48 ppmvd @ 3% O_2
SO_x Emission Factor.....	0.1121	lb/MMBtu	Mass Balance Calculation
PM Emission Factor	0.0075	lb/MMBtu	AP-42, Section 1.4
PM_{10} Emission Factor.....	0.0075	lb/MMBtu	AP-42, Section 1.4
$PM_{2.5}$ Emission Factor.....	0.0075	lb/MMBtu	AP-42, Section 1.4

Boiler/Steam Generator Potential to Emit

Pollutant	lb/day	TPY
NO_x	9.50	1.73
ROC	1.43	0.26
CO	9.40	1.72
SO_x	29.60	5.40
PM	1.98	0.36
PM_{10}	1.98	0.36
$PM_{2.5}$	1.98	0.36

Processed By: KMB

Date: March 13, 2019

ATTACHMENT A
Emission Calculations

WICKS BOILER EMISSION CALCULATIONS (Ver. 7.0)

Attachment: A-4
Permit Number: Reeval 8259-R11
Facility: Santa Maria Asphalt Refinery

Heater Input Data

Information	Value	Units	Reference
Maximum Hourly Heat Input	25.000	MMBtu/hr	Permit Application
Daily Operating Schedule	24	hrs/day	Permit Application
Maximum Daily Heat Input	600.000	MMBtu/day	Calculated value
Yearly Load Factor (%)	100	%	Permit Application
Maximum Annual Heat Input	210,000.000	MMBtu/yr	Calculated value

Fuel Information

Information	Value	Units	Reference
Fuel	Field Gas	N/A	Permit Application
High Heating Value	1,200	Btu/scf	Permit Application
Sulfur Content of Fuel	796.00	ppmvd as H_2S	Permit Application

Emission Factors

Pollutant	Value	Units	Reference
NO_x Emission Factor	0.0360	lb/MMBtu	30 ppmvd @ 3% O_2
ROC Emission Factor	0.0054	lb/MMBtu	AP-42, Section 1.4
CO Emission Factor	0.0356	lb/MMBtu	48 ppmvd @ 3% O_2
SO_x Emission Factor	0.1121	lb/MMBtu	Mass Balance Calculation
PM Emission Factor	0.0075	lb/MMBtu	AP-42, Section 1.4
PM_{10} Emission Factor	0.0075	lb/MMBtu	AP-42, Section 1.4
$PM_{2.5}$ Emission Factor	0.0075	lb/MMBtu	AP-42, Section 1.4

Boiler/Steam Generator Potential to Emit

Pollutant	lb/day	TPY
NO_x	21.60	3.78
ROC	3.24	0.57
CO	21.36	3.74
SO_x	67.26	11.77
PM	4.50	0.79
PM_{10}	4.50	0.79
$PM_{2.5}$	4.50	0.79

Processed By: KMB

Date: March 13, 2019

ATTACHMENT A
Emission Calculations

MIURA BOILER 2 EMISSION CALCULATIONS (Ver. 7.0)

Attachment: A-5
Permit Number: Reeval 8259-R11
Facility: Santa Maria Asphalt Refinery

Heater Input Data

Information	*Value*	*Units*	*Reference*
Maximum Hourly Heat Input.....	12.600	MMBtu/hr	Permit Application
Daily Operating Schedule.....	24	hrs/day	Permit Application
Maximum Daily Heat Input.....	302.400	MMBtu/day	Calculated value
Yearly Load Factor (%).....	100	%	Permit Application
Maximum Annual Heat Input.....	110,376.000	MMBtu/yr	Calculated value

Fuel Information

Information	*Value*	*Units*	*Reference*
Fuel.....	Field Gas	N/A	Permit Application
High Heating Value.....	1,200	Btu/scf	Permit Application
Sulfur Content of Fuel.....	200.00	ppmvd as H_2S	Permit Application

Emission Factors

Pollutant	*Value*	*Units*	*Reference*
NO_x Emission Factor.....	0.0360	lb/MMBtu	30 ppmvd @ 3% O_2
ROC Emission Factor.....	0.0054	lb/MMBtu	AP-42, Section 1.4
CO Emission Factor.....	0.1668	lb/MMBtu	225 ppmvd @ 3% O_2
SO_x Emission Factor.....	0.0282	lb/MMBtu	Mass Balance Calculation
PM Emission Factor	0.0075	lb/MMBtu	AP-42, Section 1.4
PM_{10} Emission Factor.....	0.0075	lb/MMBtu	AP-42, Section 1.4
$PM_{2.5}$ Emission Factor.....	0.0075	lb/MMBtu	AP-42, Section 1.4

Boiler/Steam Generator Potential to Emit

Pollutant	lb/day	TPY
NO_x	10.89	1.99
ROC	1.63	0.30
CO	50.44	9.21
SO_x	8.52	1.55
PM	2.27	0.41
PM_{10}	2.27	0.41
$PM_{2.5}$	2.27	0.41

Processed By: KMB

Date: March 13, 2019

ATTACHMENT A
Emission Calculations

MIURA BOILER 3 EMISSION CALCULATIONS (Ver. 7.0)

Attachment: A-6
Permit Number: Reeval 8259-R11
Facility: Santa Maria Asphalt Refinery

Heater Input Data

Information	Value	Units	Reference
Maximum Hourly Heat Input	12.400	MMBtu/hr	Permit Application
Daily Operating Schedule	24	hrs/day	Permit Application
Maximum Daily Heat Input	297.600	MMBtu/day	Calculated value
Yearly Load Factor (%)	100	%	Permit Application
Maximum Annual Heat Input	108,624.000	MMBtu/yr	Calculated value

Fuel Information

Information	Value	Units	Reference
Fuel	Field Gas	N/A	Permit Application
High Heating Value	1,200	Btu/scf	Permit Application
Sulfur Content of Fuel	200.00	ppmvd as H_2S	Permit Application

Emission Factors

Pollutant	Value	Units	Reference
NO_x Emission Factor	0.0360	lb/MMBtu	30 ppmvd @ 3% O_2
ROC Emission Factor	0.0054	lb/MMBtu	AP-42, Section 1.4
CO Emission Factor	0.1668	lb/MMBtu	225 ppmvd @ 3% O_2
SO_x Emission Factor	0.0282	lb/MMBtu	Mass Balance Calculation
PM Emission Factor	0.0075	lb/MMBtu	AP-42, Section 1.4
PM_{10} Emission Factor	0.0075	lb/MMBtu	AP-42, Section 1.4
$PM_{2.5}$ Emission Factor	0.0075	lb/MMBtu	AP-42, Section 1.4

Boiler/Steam Generator Potential to Emit

Pollutant	lb/day	TPY
NO_x	10.71	1.96
ROC	1.61	0.29
CO	49.64	9.06
SO_x	8.38	1.53
PM	2.23	0.41
PM_{10}	2.23	0.41
$PM_{2.5}$	2.23	0.41

Processed By: KMB

Date: March 13, 2019

ATTACHMENT A
Emission Calculations

SEATTLE BOILER EMISSION CALCULATIONS (Ver. 7.0)

Attachment: A-7
Permit Number: Reeval 8259-R11
Facility: Santa Maria Asphalt Refinery

Heater Input Data

Information	Value	Units	Reference
Maximum Hourly Heat Input	21.840	MMBtu/hr	Permit Application
Daily Operating Schedule	24	hrs/day	Permit Application
Maximum Daily Heat Input	524.160	MMBtu/day	Calculated value
Yearly Load Factor (%)	100	%	Permit Application
Maximum Annual Heat Input	191,318.400	MMBtu/yr	Calculated value

Fuel Information

Information	Value	Units	Reference
Fuel	PUC N.G.	N/A	Permit Application
High Heating Value	1,050	Btu/scf	Permit Application
Sulfur Content of Fuel	80.00	ppmvd as H_2S	Permit Application

Emission Factors

Pollutant	Value	Units	Reference
NO_x Emission Factor	0.0144	lb/MMBtu	12 ppmvd @ 3% O_2
ROC Emission Factor	0.0054	lb/MMBtu	AP-42, Section 1.4
CO Emission Factor	0.0371	lb/MMBtu	50 ppmvd @ 3% O_2
SO_x Emission Factor	0.0137	lb/MMBtu	Mass Balance Calculation
PM Emission Factor	0.0075	lb/MMBtu	AP-42, Section 1.4
PM_{10} Emission Factor	0.0075	lb/MMBtu	AP-42, Section 1.4
$PM_{2.5}$ Emission Factor	0.0075	lb/MMBtu	AP-42, Section 1.4

Boiler/Steam Generator Potential to Emit

Pollutant	lb/day	TPY
NO_x	7.55	1.38
ROC	2.83	0.52
CO	19.45	3.55
SO_x	7.17	1.31
PM	3.93	0.72
PM_{10}	3.93	0.72
$PM_{2.5}$	3.93	0.72

Processed By: KMB

Date: March 13, 2019

ATTACHMENT A
Emission Calculations

ASPHALT HEATER 1 EMISSION CALCULATIONS (Ver. 7.0)

Attachment: A-8
Permit Number: Reeval 8259-R11
Facility: Santa Maria Asphalt Refinery

Heater Input Data

Information	*Value*	*Units*	*Reference*
Maximum Hourly Heat Input	4.500	MMBtu/hr	Permit Application
Daily Operating Schedule	24	hrs/day	Permit Application
Maximum Daily Heat Input	108.000	MMBtu/day	Calculated value
Yearly Load Factor (%)	100	%	Permit Application
Maximum Annual Heat Input	37,800.000	MMBtu/yr	Calculated value

Fuel Information

Information	*Value*	*Units*	*Reference*
Fuel	PUC N.G.	N/A	Permit Application
High Heating Value	1,050	Btu/scf	Permit Application
Sulfur Content of Fuel	80.00	ppmvd as H_2S	Permit Application

Emission Factors

Pollutant	*Value*	*Units*	*Reference*
NO_x Emission Factor	0.0980	lb/MMBtu	Uncontrolled Emission Factor
ROC Emission Factor	0.0054	lb/MMBtu	AP-42, Section 1.4
CO Emission Factor	0.0820	lb/MMBtu	Uncontrolled Emission Factor
SO_x Emission Factor	0.0137	lb/MMBtu	Mass Balance Calculation
PM Emission Factor	0.0075	lb/MMBtu	AP-42, Section 1.4
PM_{10} Emission Factor	0.0075	lb/MMBtu	AP-42, Section 1.4
$PM_{2.5}$ Emission Factor	0.0075	lb/MMBtu	AP-42, Section 1.4

Boiler/Steam Generator Potential to Emit

Pollutant	lb/day	TPY
NO_x	10.58	1.85
ROC	0.58	0.10
CO	8.86	1.55
SO_x	1.48	0.26
PM	0.81	0.14
PM_{10}	0.81	0.14
$PM_{2.5}$	0.81	0.14

Processed By: KMB

Date: March 13, 2019

ATTACHMENT A
Emission Calculations

ASPHALT HEATER 2 EMISSION CALCULATIONS (Ver. 7.0)

Attachment: A-9
Permit Number: Reeval 8259-R11
Facility: Santa Maria Asphalt Refinery

Heater Input Data

Information	*Value*	*Units*	*Reference*
Maximum Hourly Heat Input.....	4.500	MMBtu/hr	Permit Application
Daily Operating Schedule.....	24	hrs/day	Permit Application
Maximum Daily Heat Input.....	108.000	MMBtu/day	Calculated value
Yearly Load Factor (%).....	100	%	Permit Application
Maximum Annual Heat Input.....	37,800.000	MMBtu/yr	Calculated value

Fuel Information

Information	*Value*	*Units*	*Reference*
Fuel.....	PUC N.G.	N/A	Permit Application
High Heating Value.....	1,050	Btu/scf	Permit Application
Sulfur Content of Fuel.....	80.00	ppmvd as H_2S	Permit Application

Emission Factors

Pollutant	*Value*	*Units*	*Reference*
NO_x Emission Factor.....	0.0980	lb/MMBtu	Uncontrolled Emission Factor
ROC Emission Factor.....	0.0054	lb/MMBtu	AP-42, Section 1.4
CO Emission Factor.....	0.0820	lb/MMBtu	Uncontrolled Emission Factor
SO_x Emission Factor.....	0.0137	lb/MMBtu	Mass Balance Calculation
PM Emission Factor	0.0075	lb/MMBtu	AP-42, Section 1.4
PM_{10} Emission Factor.....	0.0075	lb/MMBtu	AP-42, Section 1.4
$PM_{2.5}$ Emission Factor.....	0.0075	lb/MMBtu	AP-42, Section 1.4

Boiler/Steam Generator Potential to Emit

Pollutant	lb/day	TPY
NO_x	10.58	1.85
ROC	0.58	0.10
CO	8.86	1.55
SO_x	1.48	0.26
PM	0.81	0.14
PM_{10}	0.81	0.14
$PM_{2.5}$	0.81	0.14

Processed By: KMB

Date: March 13, 2019

ATTACHMENT A
Emission Calculations

ASPHALT HEATER 3 EMISSION CALCULATIONS (Ver. 7.0)

Attachment: A-10
Permit Number: Reeval 8259-R11
Facility: Santa Maria Asphalt Refinery

Heater Input Data

Information	*Value*	*Units*	*Reference*
Maximum Hourly Heat Input	3.500	MMBtu/hr	Permit Application
Daily Operating Schedule	24	hrs/day	Permit Application
Maximum Daily Heat Input	84.000	MMBtu/day	Calculated value
Yearly Load Factor (%)	100	%	Permit Application
Maximum Annual Heat Input	23,520.000	MMBtu/yr	Calculated value

Fuel Information

Information	*Value*	*Units*	*Reference*
Fuel	PUC N.G.	N/A	Permit Application
High Heating Value	1,050	Btu/scf	Permit Application
Sulfur Content of Fuel	80.00	ppmvd as H_2S	Permit Application

Emission Factors

Pollutant	*Value*	*Units*	*Reference*
NO_x Emission Factor	0.0980	lb/MMBtu	Uncontrolled Emission Factor
ROC Emission Factor	0.0054	lb/MMBtu	AP-42, Section 1.4
CO Emission Factor	0.0820	lb/MMBtu	Uncontrolled Emission Factor
SO_x Emission Factor	0.0137	lb/MMBtu	Mass Balance Calculation
PM Emission Factor	0.0075	lb/MMBtu	AP-42, Section 1.4
PM_{10} Emission Factor	0.0075	lb/MMBtu	AP-42, Section 1.4
$PM_{2.5}$ Emission Factor	0.0075	lb/MMBtu	AP-42, Section 1.4

Boiler/Steam Generator Potential to Emit

Pollutant	lb/day	TPY
NO_x	8.23	1.15
ROC	0.45	0.06
CO	6.89	0.96
SO_x	1.15	0.16
PM	0.63	0.09
PM_{10}	0.63	0.09
$PM_{2.5}$	0.63	0.09

Processed By: KMB

Date: March 13, 2019

ATTACHMENT A
Emission Calculations

ASPHALT HEATER 4 EMISSION CALCULATIONS (Ver. 7.0)

Attachment: A-11
Permit Number: Reeval 8259-R11
Facility: Santa Maria Asphalt Refinery

Heater Input Data

Information	Value	Units	Reference
Maximum Hourly Heat Input	9.000	MMBtu/hr	Permit Application
Daily Operating Schedule	24	hrs/day	Permit Application
Maximum Daily Heat Input	216.000	MMBtu/day	Calculated value
Yearly Load Factor (%)	100	%	Permit Application
Maximum Annual Heat Input	60,480.000	MMBtu/yr	Calculated value

Fuel Information

Information	Value	Units	Reference
Fuel	Field Gas	N/A	Permit Application
High Heating Value	1,200	Btu/scf	Permit Application
Sulfur Content of Fuel	796.00	ppmvd as H_2S	Permit Application

Emission Factors

Pollutant	Value	Units	Reference
NO_x Emission Factor	0.0360	lb/MMBtu	30 ppmvd @ 3% O_2
ROC Emission Factor	0.0054	lb/MMBtu	AP-42, Section 1.4
CO Emission Factor	0.0356	lb/MMBtu	48 ppmvd @ 3% O_2
SO_x Emission Factor	0.1121	lb/MMBtu	Mass Balance Calculation
PM Emission Factor	0.0075	lb/MMBtu	AP-42, Section 1.4
PM_{10} Emission Factor	0.0075	lb/MMBtu	AP-42, Section 1.4
$PM_{2.5}$ Emission Factor	0.0075	lb/MMBtu	AP-42, Section 1.4

Boiler/Steam Generator Potential to Emit

Pollutant	lb/day	TPY
NO_x	7.78	1.09
ROC	1.17	0.16
CO	7.69	1.08
SO_x	24.21	3.39
PM	1.62	0.23
PM_{10}	1.62	0.23
$PM_{2.5}$	1.62	0.23

Processed By: KMB

Date: March 13, 2019

ATTACHMENT A
Emission Calculations

HOT OIL HEATER EMISSION CALCULATIONS (Ver. 7.0)

Attachment: A-12
Permit Number: Reeval 8259-R11
Facility: Santa Maria Asphalt Refinery

Heater Input Data

Information	Value	Units	Reference
Maximum Hourly Heat Input	4.000	MMBtu/hr	Permit Application
Daily Operating Schedule	24	hrs/day	Permit Application
Maximum Daily Heat Input	96.000	MMBtu/day	Calculated value
Yearly Load Factor (%)	100	%	Permit Application
Maximum Annual Heat Input	35,040.000	MMBtu/yr	Calculated value

Fuel Information

Information	Value	Units	Reference
Fuel	PUC N.G.	N/A	Permit Application
High Heating Value	1,050	Btu/scf	Permit Application
Sulfur Content of Fuel	80.00	ppmvd as H_2S	Permit Application

Emission Factors

Pollutant	Value	Units	Reference
NO_x Emission Factor	0.0360	lb/MMBtu	30 ppmvd @ 3% O_2
ROC Emission Factor	0.0054	lb/MMBtu	AP-42, Section 1.4
CO Emission Factor	0.0371	lb/MMBtu	50 ppmvd @ 3% O_2
SO_x Emission Factor	0.0137	lb/MMBtu	Mass Balance Calculation
PM Emission Factor	0.0075	lb/MMBtu	AP-42, Section 1.4
PM_{10} Emission Factor	0.0075	lb/MMBtu	AP-42, Section 1.4
$PM_{2.5}$ Emission Factor	0.0075	lb/MMBtu	AP-42, Section 1.4

Boiler/Steam Generator Potential to Emit

Pollutant	lb/day	TPY
NO_x	3.46	0.63
ROC	0.52	0.09
CO	3.56	0.65
SO_x	1.31	0.24
PM	0.72	0.13
PM_{10}	0.72	0.13
$PM_{2.5}$	0.72	0.13

Processed By: KMB

Date: March 13, 2019

ATTACHMENT A
Emission Calculations

FLOATING ROOF TANK 10007 EMISSION CALCULATIONS (Ver. 2.0)

Attachment: A-13
Permit Number: Reeval 8259-R11
Facility: Santa Maria Asphalt Refinery

Seal Type

Welded tanks	
Mechanical Shoe	
Primary Only	
Primary with Shoe Mounted Secondary	
Primary with Rim Mounted Secondary	X
Liquid Mounted Seals	
Primary Only	
Primary with Shoe Mounted Secondary	
Primary with Rim Mounted Secondary	
Vapor Mounted Seals	
Primary Only	
Primary with Weather Shield	
Primary with Rim Mounted Secondary	
Riveted Tanks	
Primary Only	
Primary with Shoe Mounted Secondary	
Primary with Rim Mounted Secondary	

Basic Information

Input	*Value*	*References*
Tank Type	External Floating Roof Tank	Permit Application
Roof Tank Type	Column-Supported Fixed Roof	Permit Application
Tank Contents	Single-Component Stocks	Permit Application

Tank Data

Input	*Value*	*Units*	*References*
Tank Diameter	47	feet	Permit Application
Shell Condition	Light Rust	dimensionless	Permit Application
Vapor Pressure	0.001	psia	Permit Application
Liquid Molecular Weight	210	lb/lb-mole	Default for Crude Oil or Permit Application
Average Organic Liquid Density[2]	7.5	lb/gal	Default for Crude Oil or Permit Application
Annual Throughput	3,650,000	bbl/yr	Permit Application
Effective Column Diameter[3]	1.0	feet	Permit Application
Total Length of Deck Seams (if appicable)	8674.72	feet	Permit Application
Area of Deck (if appicable)	1734.94	feet^2	Permit Application
Total Deck Fitting Loss Factor[4]	1525.11	lb-mole/year	Permit Application, Calculated Value
Average Wind Speed[1]	7.00	mph	Permit Application
ROC/THC Reactivity	100	percent	SBCAPCD Default for Crude Oil

Notes

1. Average Wind Speed: If the ambient wind speed at the tank site is not available, use the wind speed data from the nearest local weather station or values from AP-42, Chapter 7.1, Table 7.1-9. Average Wind Speed for Santa Maria is 7.0 mph. If tank is an internal or domed external floating roof tank, this value is zero.
2. Average Organic Liquid Density: A listing of the average organic liquid density for select petrochemicals is provided in AP-42 Chapter 7.1, Tables 7.1-2 and 7.1-3. If this value is not known for gasoline, an average value of 6.1 lb/gal can be assumed.
3. Effective Column Diameter: Use tank specific effective column diameter or 1.1 for 9" by 7" for built-up columns, 0.7 for 8" diameter pipe columns, and 1.0" if column construction details are not known.
4. Total Deck Fitting Loss Factor: This value shall be calculated by using actual tank specific data for the number of each fitting type and then multiplying by the fitting loss factor for each fitting. See AP-42, Chapter 7.1, Equation 2-6.

Tank ROC Potential to Emit

	lb/day	TPY
Rim Seal Loss	0.00	0.00
Withdrawal Loss	2.31	0.42
Deck Fitting Loss	0.01	0.00
Deck Seam Loss	0.00	0.00
Total	2.32	0.42

Processed By: KMB

Date: March 13, 2019

ATTACHMENT A
Emission Calculations

FLOATING ROOF TANK 10008 EMISSION CALCULATIONS (Ver. 2.0)

Attachment: A-14
Permit Number: Reeval 8259-R11
Facility: Santa Maria Asphalt Refinery

Seal Type

Welded tanks
Mechanical Shoe
- Primary Only: X
- Primary with Shoe Mounted Secondary: ____
- Primary with Rim Mounted Secondary: ____

Liquid Mounted Seals
- Primary Only: ____
- Primary with Shoe Mounted Secondary: ____
- Primary with Rim Mounted Secondary: ____

Vapor Mounted Seals
- Primary Only: ____
- Primary with Weather Shield: ____
- Primary with Rim Mounted Secondary: ____

Riveted Tanks
- Primary Only: ____
- Primary with Shoe Mounted Secondary: ____
- Primary with Rim Mounted Secondary: ____

Basic Information

Input	Value	References
Tank Type	Bolted Deck Internal Floating Roof Tank	Permit Application
Roof Tank Type	Column-Supported Fixed Roof	Permit Application
Tank Contents	Single-Component Stocks	Permit Application

Tank Data

Input	Value	Units	References
Tank Diameter	54	feet	Permit Application
Shell Condition	Light Rust	dimensionless	Permit Application
Vapor Pressure	1.150	psia	Permit Application
Liquid Molecular Weight	80	lb/lb-mole	Default for Crude Oil or Permit Application
Average Organic Liquid Density[2]	6.4	lb/gal	Default for Crude Oil or Permit Application
Annual Throughput	168,265	bbl/yr	Permit Application
Effective Column Diameter[3]	1.0	feet	Permit Application
Total Length of Deck Seams (if appicable)	2290.22	feet	Permit Application
Area of Deck (if appicable)	458.04	$feet^2$	Permit Application
Total Deck Fitting Loss Factor[4]	199.10	lb-mole/year	Permit Application, Calculated Value
Average Wind Speed[1]	7.00	mph	Permit Application
ROC/THC Reactivity	100	percent	SBCAPCD Default for Crude Oil

Notes

1. Average Wind Speed: If the ambient wind speed at the tank site is not available, use the wind speed data from the nearest local weather station or values from AP-42, Chapter 7.1, Table 7.1-9. Average Wind Speed for Santa Maria is 7.0 mph. If tank is an internal or domed external floating roof tank, this value is zero.
2. Average Organic Liquid Density: A listing of the average organic liquid density for select petrochemicals is provided in AP-42 Chapter 7,1, Tables 7.1-2 and 7.1-3. If this value is not known for gasoline, an average value of 6.1 lb/gal can be assumed.
3. Effective Column Diameter: Use tank specific effective column diameter or 1.1 for 9" by 7" for built-up columns, 0.7 for 8" diameter pipe columns, and 1.0" if column construction details are not known.
4. Total Deck Fitting Loss Factor: This value shall be calculated by using actual tank specific data for the number of each fitting type and then multiplying by the fitting loss factor for each fitting. See AP-42, Chapter 7.1, Equation 2-6.

Tank ROC Potential to Emit

	lb/day	TPY
Rim Seal Loss	5.70	1.04
Withdrawal Loss	0.08	0.01
Deck Fitting Loss	0.89	0.16
Deck Seam Loss	0.36	0.07
Total	7.03	1.28

Processed By: KMB

Date: March 13, 2019

ATTACHMENT A
Emission Calculations

FIXED ROOF TANK 10009 EMISSION CALCULATIONS (Ver. 4.0)

Attachment: A-15
Permit Number: Reeval 8259-R11
Facility: Santa Maria Asphalt Refinery

Basic Input Data

Information	Value	Reference
Liquid Type	Crude Oil	Permit Application
Liquid TVP	2.5	Permit Application
If TVP is entered, enter TVP temperature (°F)	160	Permit Application
Is the tank heated (Yes or No)?	Yes	Permit Application
If tank is heated, enter temperature (°F)	165	Permit Application
Is tanked to a VRS (Yes or No)?	Yes	Permit Application
Is this a wash tank (Yes or No)?	No	Permit Application
Will flashing losses occur (Yes or No)?	No	Permit Application
Breather vent pressure setting range (psi)	0.06	Permit Application (default of 0.06 psi)

Tank Data

Information	Value	Reference
Diameter (feet)	55	Permit Application
Capacity (barrels)	9,750	Permit Application
Capacity (gallons)	409,500	Calculated Value
Roof Type (Enter C if Conical, or D if Dome Roof)	c	Permit Application
Shell Height (feet)	32.17	Permit Application
Roof Height	3.4	Permit Application (default of 1 foot)
Average Liquid Height (feet)	16.085	Calculated Value
Tank Paint Color	Medium Gray	Permit Application
Condition (Enter 1 if Good, or 2 if Poor)	1	Permit Application (default of 0.06 psi)
Upstream pressure (psi)	0	Permit Application (0 psi when no flashing loses occur)

Liquid Data

Information	Value	Reference
Maximum Daily Throughput (barrels per day)	7000	Permit Application
Maximum Annual Throughput (gallons)	1.073E+08	Calculated Value
RVP (psi)	0.82402	RVP Matrix
API Gravity (°)	15.2	Permit Application

Vapor Recovery System Data

Information	Value	Reference
Vapor Recovery System Long Term Efficiency	95.00%	SBCAPCD
Vapor Recovery System Short Term Efficiency	95.00%	SBCAPCD

Tank ROC Potential to Emit

	Uncontrolled Potential to Emit		Controlled Potential to Emit	
	lb/day	TPY	lb/day	TPY
Breathing Losses	2.96	0.54	0.15	0.03
Working Losses	179.13	32.69	8.96	1.63
Flashing Losses	0.00	0.00	0.00	0.00
Total	**182.10**	**33.23**	**9.10**	**1.66**

Processed By: KMB

Date: March 13, 2019

ATTACHMENT A
Emission Calculations

FLOATING ROOF TANK 25001 EMISSION CALCULATIONS (Ver. 2.0)

Attachment: A-16
Permit Number: Reeval 8259-R11
Facility: Santa Maria Asphalt Refinery

Seal Type

Welded tanks
Mechanical Shoe
Primary Only ____
Primary with Shoe Mounted Secondary ____
Primary with Rim Mounted Secondary ____
Liquid Mounted Seals
Primary Only ____
Primary with Shoe Mounted Secondary ____
Primary with Rim Mounted Secondary ____
Vapor Mounted Seals
Primary Only X
Primary with Weather Shield ____
Primary with Rim Mounted Secondary ____

Riveted Tanks
Primary Only ____
Primary with Shoe Mounted Secondary ____
Primary with Rim Mounted Secondary ____

Basic Information

Input	Value	References
Tank Type	External Floating Roof Tank	Permit Application
Roof Tank Type	Column-Supported Fixed Roof	Permit Application
Tank Contents	Single-Component Stocks	Permit Application

Tank Data

Input	Value	Units	References
Tank Diameter	79	feet	Permit Application
Shell Condition	Light Rust	dimensionless	Permit Application
Vapor Pressure	0.001	psia	Permit Application
Liquid Molecular Weight	210	lb/lb-mole	Default for Crude Oil or Permit Application
Average Organic Liquid Density[2]	7.5	lb/gal	Default for Crude Oil or Permit Application
Annual Throughput	3,650,000	bbl/yr	Permit Application
Effective Column Diameter[3]	1.0	feet	Permit Application
Total Length of Deck Seams (if appicable)	0.00	feet	Permit Application
Area of Deck (if appicable)	0.00	$feet^2$	Permit Application
Total Deck Fitting Loss Factor[4]	1525.11	lb-mole/year	Permit Application, Calculated Value
Average Wind Speed[1]	7.00	mph	Permit Application
ROC/THC Reactivity	100	percent	SBCAPCD Default for Crude Oil

Notes

1. Average Wind Speed: If the ambient wind speed at the tank site is not available, use the wind speed data from the nearest local weather station or values from AP-42, Chapter 7.1, Table 7.1-9. Average Wind Speed for Santa Maria is 7.0 mph. If tank is an internal or domed external floating roof tank, this value is zero.
2. Average Organic Liquid Density: A listing of the average organic liquid density for select petrochemicals is provided in AP-42 Chapter 7,1, Tables 7.1-2 and 7.1-3. If this value is not known for gasoline, an average value of 6.1 lb/gal can be assumed.
3. Effective Column Diameter: Use tank specific effective column diameter or 1.1 for 9" by 7" for built-up columns, 0.7 for 8" diameter pipe columns, and 1.0" if column construction details are not known.
4. Total Deck Fitting Loss Factor: This value shall be calculated by using actual tank specific data for the number of each fitting type and then multiplying by the fitting loss factor for each fitting. See AP-42, Chapter 7.1, Equation 2-6.

Tank ROC Potential to Emit

	lb/day	TPY
Rim Seal Loss	0.06	0.01
Withdrawal Loss	1.36	0.25
Deck Fitting Loss	0.01	0.00
Deck Seam Loss	0.00	0.00
Total	1.43	0.26

Processed By: KMB

Date: March 13, 2019

ATTACHMENT A
Emission Calculations

FIXED ROOF TANK 27001 EMISSION CALCULATIONS (Ver. 4.0)

Attachment: A-17
Permit Number: Reeval 8259-R11
Facility: Santa Maria Asphalt Refinery

Basic Input Data

Information	*Value*	*Reference*
Liquid Type	Crude Oil	Permit Application
Liquid TVP	2.5	Permit Application
If TVP is entered, enter TVP temperature (°F)	160	Permit Application
Is the tank heated (Yes or No)?	Yes	Permit Application
If tank is heated, enter temperature (°F)	160	Permit Application
Is tanked to a VRS (Yes or No)?	Yes	Permit Application
Is this a wash tank (Yes or No)?	No	Permit Application
Will flashing losses occur (Yes or No)?	No	Permit Application
Breather vent pressure setting range (psi)	0	Permit Application (default of 0.06 psi)

Tank Data

Information	*Value*	*Reference*
Diameter (feet)	70	Permit Application
Capacity (barrels)	27,000	Permit Application
Capacity (gallons)	1,134,000	Calculated Value
Roof Type (Enter C if Conical, or D if Dome Roof)	c	Permit Application
Shell Height (feet)	40	Permit Application
Roof Height	1	Permit Application (default of 1 foot)
Average Liquid Height (feet)	20	Calculated Value
Tank Paint Color	Medium Gray	Permit Application
Condition (Enter 1 if Good, or 2 if Poor)	1	Permit Application (default of 0.06 psi)
Upstream pressure (psi)	0	Permit Application (0 psi when no flashing loses occur)

Liquid Data

Information	*Value*	*Reference*
Maximum Daily Throughput (barrels per day)	6000	Permit Application
Maximum Annual Throughput (gallons)	9.198E+07	Calculated Value
RVP (psi)	0.82402	RVP Matrix
API Gravity (°)	15	Permit Application

Vapor Recovery System Data

Information	*Value*	*Reference*
Vapor Recovery System Long Term Efficiency	95.00%	SBCAPCD
Vapor Recovery System Short Term Efficiency	95.00%	SBCAPCD

Tank ROC Potential to Emit

	Uncontrolled Potential to Emit		*Controlled Potential to Emit*	
	lb/day	TPY	lb/day	TPY
Breathing Losses	6.34	1.16	0.32	0.06
Working Losses	268.82	49.06	13.44	2.45
Flashing Losses	0.00	0.00	0.00	0.00
Total	**275.16**	**50.22**	**13.76**	**2.51**

Processed By: KMB

Date: March 13, 2019

ATTACHMENT A
Emission Calculations

FIXED ROOF TANK 40001 EMISSION CALCULATIONS (Ver. 4.0)

Attachment: A-18
Permit Number: Reeval 8259-R11
Facility: Santa Maria Asphalt Refinery

Basic Input Data

Information	Value	Reference
Liquid Type	Crude Oil	Permit Application
Liquid TVP	2.5	Permit Application
If TVP is entered, enter TVP temperature (°F)	160	Permit Application
Is the tank heated (Yes or No)?	Yes	Permit Application
If tank is heated, enter temperature (°F)	160	Permit Application
Is tanked to a VRS (Yes or No)?	Yes	Permit Application
Is this a wash tank (Yes or No)?	No	Permit Application
Will flashing losses occur (Yes or No)?	No	Permit Application
Breather vent pressure setting range (psi)	0	Permit Application (default of 0.06 psi)

Tank Data

Information	Value	Reference
Diameter (feet)	78	Permit Application
Capacity (barrels)	40,000	Permit Application
Capacity (gallons)	1,680,000	Calculated Value
Roof Type (Enter C if Conical, or D if Dome Roof)	c	Permit Application
Shell Height (feet)	48	Permit Application
Roof Height	1	Permit Application (default of 1 foot)
Average Liquid Height (feet)	24	Calculated Value
Tank Paint Color	Medium Gray	Permit Application
Condition (Enter 1 if Good, or 2 if Poor)	1	Permit Application (default of 0.06 psi)
Upstream pressure (psi)	0	Permit Application (0 psi when no flashing loses occur)

Liquid Data

Information	Value	Reference
Maximum Daily Throughput (barrels per day)	6000	Permit Application
Maximum Annual Throughput (gallons)	9.198E+07	Calculated Value
RVP (psi)	0.82402	RVP Matrix
API Gravity (°)	15	Permit Application

Vapor Recovery System Data

Information	Value	Reference
Vapor Recovery System Long Term Efficiency	95.00%	SBCAPCD
Vapor Recovery System Short Term Efficiency	95.00%	SBCAPCD

Tank ROC Potential to Emit

	Uncontrolled Potential to Emit		Controlled Potential to Emit	
	lb/day	TPY	lb/day	TPY
Breathing Losses	8.24	1.50	0.41	0.08
Working Losses	353.45	64.50	17.67	3.23
Flashing Losses	0.00	0.00	0.00	0.00
Total	**361.68**	**66.01**	**18.08**	**3.30**

Processed By: KMB

Date: March 13, 2019

ATTACHMENT A
Emission Calculations

FLOATING ROOF TANK 40002 EMISSION CALCULATIONS (Ver. 2.0)

Attachment: A-19
Permit Number: Reeval 8259-R11
Facility: Santa Maria Asphalt Refinery

Seal Type

Welded tanks	
Mechanical Shoe	
Primary Only	
Primary with Shoe Mounted Secondary	
Primary with Rim Mounted Secondary	
Liquid Mounted Seals	
Primary Only	
Primary with Shoe Mounted Secondary	
Primary with Rim Mounted Secondary	
Vapor Mounted Seals	
Primary Only	
Primary with Weather Shield	
Primary with Rim Mounted Secondary	X
Riveted Tanks	
Primary Only	
Primary with Shoe Mounted Secondary	
Primary with Rim Mounted Secondary	

Basic Information

Input	*Value*	*References*
Tank Type	External Floating Roof Tank	Permit Application
Roof Tank Type	Column-Supported Fixed Roof	Permit Application
Tank Contents	Crude Oil	Permit Application

Tank Data

Input	*Value*	*Units*	*References*
Tank Diameter	78	feet	Permit Application
Shell Condition	Light Rust	dimensionless	Permit Application
Vapor Pressure	6.970	psia	Permit Application
Liquid Molecular Weight	50	lb/lb-mole	Default for Crude Oil or Permit Application
Average Organic Liquid Density[2]	7.1	lb/gal	Default for Crude Oil or Permit Application
Annual Throughput	2,190,000	bbl/yr	Permit Application
Effective Column Diameter[3]	1.0	feet	Permit Application
Total Length of Deck Seams (if appicable)	0.00	feet	Permit Application
Area of Deck (if appicable)	0.00	$feet^2$	Permit Application
Total Deck Fitting Loss Factor[4]	1525.11	lb-mole/year	Permit Application, Calculated Value
Average Wind Speed[1]	7.00	mph	Permit Application
ROC/THC Reactivity	88.5	percent	SBCAPCD Default for Crude Oil

Notes

1. Average Wind Speed: If the ambient wind speed at the tank site is not available, use the wind speed data from the nearest local weather station or values from AP-42, Chapter 7.1, Table 7.1-9. Average Wind Speed for Santa Maria is 7.0 mph. If tank is an internal or domed external floating roof tank, this value is zero.
2. Average Organic Liquid Density: A listing of the average organic liquid density for select petrochemicals is provided in AP-42 Chapter 7,1, Tables 7.1-2 and 7.1-3. If this value is not known for gasoline, an average value of 6.1 lb/gal can be assumed.
3. Effective Column Diameter: Use tank specific effective column diameter or 1.1 for 9" by 7" for built-up columns, 0.7 for 8" diameter pipe columns, and 1.0" if column construction details are not known.
4. Total Deck Fitting Loss Factor: This value shall be calculated by using actual tank specific data for the number of each fitting type and then multiplying by the fitting loss factor for each fitting. See AP-42, Chapter 7.1, Equation 2-6.

Tank ROC Potential to Emit

	lb/day	TPY
Rim Seal Loss	9.11	1.66
Withdrawal Loss	2.77	0.51
Deck Fitting Loss	11.78	2.15
Deck Seam Loss	0.00	0.00
Total	23.66	4.32

Processed By: KMB

Date: March 13, 2019

ATTACHMENT A
Emission Calculations

NAPHTHA LOADING RACK EMISSION CALCULATIONS (Ver. 4.2)

Attachment: A-20
Permit Number: Reeval 8259-R11
Facility: Santa Maria Asphalt Refinery

Rack Information

Rack Type	*Enter X Where Appropriate*	*S Factor*
Submerged Loading of a Clean Cargo Tank		0.50
Submerged Loading: Dedicated Normal Service	X	0.60
Submerged Loading: Dedicated Vapor Balance Service		1.00
Splash Loading of a Clean Cargo Tank		1.45
Splash Loading: Dedicated Normal Service		1.45
Splash Loading: Dedicated Vapor Balance Service		1.00

Input Data

Input data	*Value*	*Reference*
Saturation Factor	0.60	Previous Input, AP-42 Table 4.4-1
Molecular Weight	80	Naphtha Value
True Vapor Pressure (psia)	1.150	Permit Application
Liquid Temperature (°F)	60	Permit Application
Loading Rate (bbl/hr)	210.00	Permit Application
Storage Capacity (bbl)	5,040	Permit Application
Daily Production (bbl)	461	Permit Application
Annual Production (bbl)	168,420	Permit Application
Vapor Recovery Efficiency	0.95	SBCAPCD
ROC/THC Reactivity	1.000	Naphtha Value

Loading Rate Calculations

Calculated Information	*Value*	*Reference*
Daily Hours Loading (hours)	24.00	Calculated Value
Annual Hours Loading (hours)	802.00	Calculated Value
Loading Loss (lb / 1,000 gals)	1.3227	Calculated Value

Loading Rack ROC Potential to Emit

Controlled Potential to Emit	
lb/day	**14.00**
TPY	**0.23**

Processed By: KMB Date: March 13, 2019

ATTACHMENT A
Emission Calculations

DISTILLATE LOADING RACK EMISSION CALCULATIONS (Ver. 4.2)

Attachment: A-21
Permit Number: Reeval 8259-R11
Facility: Santa Maria Asphalt Refinery

Rack Information

Rack Type	*Enter X Where Appropriate*	*S Factor*
Submerged Loading of a Clean Cargo Tank		0.50
Submerged Loading: Dedicated Normal Service		0.60
Submerged Loading: Dedicated Vapor Balance Service		1.00
Splash Loading of a Clean Cargo Tank		1.45
Splash Loading: Dedicated Normal Service	X	1.45
Splash Loading: Dedicated Vapor Balance Service		1.00

Input Data

Input data	*Value*	*Reference*
Saturation Factor	1.45	Previous Input, AP-42 Table 4.4-1
Molecular Weight	210	Distillate Value
True Vapor Pressure (psia)	0.001	Permit Application
Liquid Temperature (°F)	150	Permit Application
Loading Rate (bbl/hr)	210.00	Permit Application
Storage Capacity (bbl)	10,000	Permit Application
Daily Production (bbl)	10,000	Permit Application
Annual Production (bbl)	3,650,000	Permit Application
Vapor Recovery Efficiency	0.00	SBCAPCD
ROC/THC Reactivity	1.000	Distillate Value

Loading Rate Calculations

Calculated Information	*Value*	*Reference*
Daily Hours Loading (hours)	24.00	Calculated Value
Annual Hours Loading (hours)	17,380.95	Calculated Value
Loading Loss (lb / 1,000 gals)	0.0062	Calculated Value

Loading Rack ROC Potential to Emit

Controlled Potential to Emit	
lb/day	**1.32**
TPY	**0.48**

Processed By: KMB Date: March 13, 2019

ATTACHMENT A
Emission Calculations

FUGITIVE HYDROCARBON EMISSION CALCULATIONS - CLP METHOD (Ver. 3.0)

Attachment: A-22
Permit Number: Reeval 8259-R11
Facility: Santa Maria Asphalt Refinery

Facility Information

Facility Type (Enter X Where Appropriate)
Production Field _____ Gas Processing Plant _____ Refinery X Offshore Platform _____

Gas/Condensate Service Component

Component Type	Component Count	THC Emission Factor (lb/day-clp)[a]	ROC/THC Ratio	Uncontrolled ROC Emission (lb/day)	Control Efficiency[b,c]	Controlled ROC Emission (lb/hr)	Controlled ROC Emission (lb/day)	Controlled ROC Emission (Tons/Qtr)	Controlled ROC Emission (Tons/Yr)
Valves - Accessible/Inaccessible	182	1.420	0.99	255.86	0.80	2.13	51.17	2.33	9.34
Valves - Unsafe	0	1.420	0.99	0.00	0.00	0.00	0.00	0.00	0.00
Valves - Bellows	0	1.420	0.99	0.00	0.90	0.00	0.00	0.00	0.00
Valves - Bellows / Background ppmv	0	1.420	0.99	0.00	1.00	0.00	0.00	0.00	0.00
Valves - Category A	0	1.420	0.99	0.00	0.84	0.00	0.00	0.00	0.00
Valves - Category B	0	1.420	0.99	0.00	0.85	0.00	0.00	0.00	0.00
Valves - Category C	0	1.420	0.99	0.00	0.87	0.00	0.00	0.00	0.00
Valves - Category D	0	1.420	0.99	0.00	0.87	0.00	0.00	0.00	0.00
Valves - Category E	0	1.420	0.99	0.00	0.88	0.00	0.00	0.00	0.00
Valves - Category F	0	1.420	0.99	0.00	0.90	0.00	0.00	0.00	0.00
Valves - Category G	0	1.420	0.99	0.00	0.92	0.00	0.00	0.00	0.00
Flanges/Connections - Accessible/Inaccessible	336	0.013	0.99	4.44	0.80	0.04	0.89	0.04	0.16
Flanges/Connections - Unsafe	0	0.013	0.99	0.00	0.00	0.00	0.00	0.00	0.00
Flanges/Connections - Category A	0	0.013	0.99	0.00	0.84	0.00	0.00	0.00	0.00
Flanges/Connections - Category B	0	0.013	0.99	0.00	0.85	0.00	0.00	0.00	0.00
Flanges/Connections - Category C	0	0.013	0.99	0.00	0.87	0.00	0.00	0.00	0.00
Flanges/Connections - Category D	0	0.013	0.99	0.00	0.87	0.00	0.00	0.00	0.00
Flanges/Connections - Category E	0	0.013	0.99	0.00	0.88	0.00	0.00	0.00	0.00
Flanges/Connections - Category F	0	0.013	0.99	0.00	0.90	0.00	0.00	0.00	0.00
Flanges/Connections - Category G	0	0.013	0.99	0.00	0.92	0.00	0.00	0.00	0.00
Compressor Seals - To Atm	0	33.600	0.99	0.00	0.80	0.00	0.00	0.00	0.00
Compressor Seals - To VRS	0	33.600	0.99	0.00	1.00	0.00	0.00	0.00	0.00
PSV - To Atm/Flare	10	8.640	0.99	85.54	0.80	0.71	17.11	0.78	3.12
PSV - To VRS	1	8.640	0.99	8.55	0.85	0.05	1.28	0.06	0.23
Pump Seals - Single	0	6.000	0.99	0.00	0.80	0.00	0.00	0.00	0.00
Pump Seals - Dual/Tandem	0	6.000	0.99	0.00	1.00	0.00	0.00	0.00	0.00
Gas Condensate Subtotals	**528**			**354.39**		**2.94**	**70.45**	**3.21**	**12.86**

Oil Service Components

Component Type	Component Count	THC Emission Factor (lb/day-clp)[a]	ROC/THC Ratio	Uncontrolled ROC Emission (lb/day)	Control Efficiency[b,c]	Controlled ROC Emission (lb/hr)	Controlled ROC Emission (lb/day)	Controlled ROC Emission (Tons/Qtr)	Controlled ROC Emission (Tons/Yr)
Valves - Accessible/Inaccessible	163	0.012	0.99	1.94	0.80	0.02	0.39	0.02	0.07
Valves - Unsafe	0	0.012	0.99	0.00	0.00	0.00	0.00	0.00	0.00
Valves - Bellows	0	0.012	0.99	0.00	0.90	0.00	0.00	0.00	0.00
Valves - Bellows / Background ppmv	0	0.012	0.99	0.00	1.00	0.00	0.00	0.00	0.00
Valves - Category A	0	0.012	0.99	0.00	0.84	0.00	0.00	0.00	0.00
Valves - Category B	0	0.012	0.99	0.00	0.85	0.00	0.00	0.00	0.00
Valves - Category C	0	0.012	0.99	0.00	0.87	0.00	0.00	0.00	0.00
Valves - Category D	0	0.012	0.99	0.00	0.87	0.00	0.00	0.00	0.00
Valves - Category E	0	0.012	0.99	0.00	0.88	0.00	0.00	0.00	0.00
Valves - Category F	0	0.012	0.99	0.00	0.90	0.00	0.00	0.00	0.00
Valves - Category G	0	0.012	0.99	0.00	0.92	0.00	0.00	0.00	0.00
Flanges/Connections - Accessible/Inaccessible	305	0.013	0.99	4.05	0.80	0.03	0.81	0.04	0.15
Flanges/Connections - Unsafe	0	0.013	0.99	0.00	0.00	0.00	0.00	0.00	0.00
Flanges/Connections - Category A	0	0.013	0.99	0.00	0.84	0.00	0.00	0.00	0.00
Flanges/Connections - Category B	0	0.013	0.99	0.00	0.85	0.00	0.00	0.00	0.00
Flanges/Connections - Category C	0	0.013	0.99	0.00	0.87	0.00	0.00	0.00	0.00
Flanges/Connections - Category D	0	0.013	0.99	0.00	0.87	0.00	0.00	0.00	0.00
Flanges/Connections - Category E	0	0.013	0.99	0.00	0.88	0.00	0.00	0.00	0.00
Flanges/Connections - Category F	0	0.013	0.99	0.00	0.90	0.00	0.00	0.00	0.00
Flanges/Connections - Category G	0	0.013	0.99	0.00	0.92	0.00	0.00	0.00	0.00
PSV - To Atm/Flare	0	0.000	0.99	0.00	0.80	0.00	0.00	0.00	0.00
PSV - To VRS	0	0.000	0.99	0.00	1.00	0.00	0.00	0.00	0.00
Pump Seals - Single	3	1.104	0.99	3.28	0.80	0.03	0.66	0.03	0.12
Pump Seals - Dual/Tandem	4	1.104	0.99	4.37	0.00	0.18	4.37	0.20	0.80
Oil Subtotals	**475**			**13.63**		**0.26**	**6.22**	**0.28**	**1.14**
Total	**1,003**			**368.02**		**3.19**	**76.67**	**3.50**	**13.99**

Notes:
a. District Policy and Procedure 6100.061.1996.
b. A 80% efficiency is assigned to fugitive components Rule 331 implementation.
c. Emission control efficiencies for each component type are identified in FHC Control Factors (Ver. 2.0).

Processed By: KMB

Date: March 13, 2019

ATTACHMENT B
IDS Tables

PERMIT POTENTIAL TO EMIT

	NO_x	ROC	CO	SO_x	PM	PM_{10}	$PM_{2.5}$
lb/day	127.50	185.42	212.45	233.43	25.05	25.05	25.05
lb/hr							
TPQ							
TPY	22.27	31.65	37.86	41.00	4.43	4.43	4.43

FACILITY POTENTIAL TO EMIT

	NO_x	ROC	CO	SO_x	PM	PM_{10}	$PM_{2.5}$
lb/day	144.41	186.92	219.60	233.45	26.21	26.21	26.21
lb/hr							
TPQ							
TPY	22.40	31.66	37.63	41.01	4.44	4.44	4.44

STATIONARY SOURCE POTENTIAL TO EMIT

	NO_x	ROC	CO	SO_x	PM	PM_{10}	$PM_{2.5}$
lb/day	144.41	186.92	219.60	233.45	26.21	26.21	26.21
lb/hr							
TPQ							
TPY	22.40	31.66	37.63	41.01	4.44	4.44	4.44

Notes:
(1) Emissions in these tables are from IDS.
(2) Because of rounding, values in these tables shown as 0.00 are less than 0.005, but greater than zero.

ATTACHMENT C
Fee Statement

FEE STATEMENT
PTO No. 08259 - R11
FID: 00037 Santa Maria Asphalt Refinery / SSID: 04640

apcd
SANTA BARBARA COUNTY

Device Fee

Device No.	Device Name	Fee Schedule	Qty of Fee Units	Fee per Unit	Fee Units	Max or Min. Fee Apply?	Number of Same Devices	Pro Rate Factor	Device Fee	Penalty Fee?	Fee Credit	Total Fee per Device
000345	Crude Heater 1	A3	12.800	532.55	Per 1 million Btu input	No	1	1.000	6,816.64	0.00	0.00	6,816.64
000346	Crude Heater 2	A3	18.000	532.55	Per 1 million Btu input	Max	1	1.000	7,125.75	0.00	0.00	7,125.75
000347	Crude Heater 3	A3	11.000	532.55	Per 1 million Btu input	No	1	1.000	5,858.05	0.00	0.00	5,858.05
006240	Hot Oil Heater	A3	4.000	532.55	Per 1 million Btu input	No	1	1.000	2,130.20	0.00	0.00	2,130.20
000352	Wicks Boiler	A3	25.000	532.55	Per 1 million Btu input	Max	1	1.000	7,125.75	0.00	0.00	7,125.75
100379	Exchanger 101	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100380	Exchanger 102	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100397	Exchanger 106	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100398	Exchanger 107	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100402	Exchanger 108	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100399	Exchanger 108 (2)	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100403	Exchanger 109	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100383	Exchanger 110	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100384	Exchanger 111	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100389	Exchanger 112	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100426	Exchanger 113	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99

ATTACHMENT C
Fee Statement

Device No.	Device Name	Fee Schedule	Qty of Fee Units	Fee per Unit	Fee Units	Max or Min. Fee Apply?	Number of Same Devices	Pro Rate Factor	Device Fee	Penalty Fee?	Fee Credit	Total Fee per Device
100427	Exchanger 116	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100400	Exchanger 120	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100401	Exchanger 121	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100390	Exchanger 122	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100387	Exchanger 123	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100388	Exchanger 124	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100385	Exchanger 125	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100386	Exchanger 126	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100382	Exchanger 127	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100381	Exchanger 128	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100378	Exchanger 630	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100391	Drum 101	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100392	Drum 102	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100395	Drum 103	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100396	Drum 206	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100366	Pump 101	A2	75.000	36.80	Per total rated hp	No	1	1.000	2,760.00	0.00	0.00	2,760.00
100404	Pump 102	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100405	Pump 103	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100406	Pump 105	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100407	Pump 107	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100408	Pump 108	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100367	Pump 109	A2	30.000	36.80	Per total rated hp	No	1	1.000	1,104.00	0.00	0.00	1,104.00
100409	Pump 110	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100410	Pump 112	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100411	Pump 113	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100368	Pump 114	A2	5.000	36.80	Per total rated hp	No	1	1.000	184.00	0.00	0.00	184.00
100369	Pump 115	A2	20.000	36.80	Per total rated hp	No	1	1.000	736.00	0.00	0.00	736.00
100412	Pump 116	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100371	Pump 118	A2	15.000	36.80	Per total rated hp	No	1	1.000	552.00	0.00	0.00	552.00
Device No.	Device Name	Fee Schedule	Qty of Fee Units	Fee per Unit	Fee Units	Max or Min. Fee Apply?	Number of Same Devices	Pro Rate Factor	Device Fee	Penalty Fee?	Fee Credit	Total Fee per Device

ATTACHMENT C
Fee Statement

100413	Pump 119	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100414	Pump 120	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100372	Pump 121	A2	15.000	36.80	Per total rated hp	No	1	1.000	552.00	0.00	0.00	552.00
100415	Pump 122	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100416	Pump 123	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100417	Pump 125	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100418	Pump 126	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100419	Pump 146	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100420	Pump 147	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100421	Pump 149	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100373	Pump 148	A2	1.500	36.80	Per total rated hp	Min	1	1.000	70.53	0.00	0.00	70.53
100365	Pump 152	A2	0.250	36.80	Per total rated hp	Min	1	1.000	70.53	0.00	0.00	70.53
100422	Pump 154	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100370	Pump 167	A2	25.000	36.80	Per total rated hp	No	1	1.000	920.00	0.00	0.00	920.00
100374	Tower 101	A6	1.000	4.07	Per 1000 gallons	Min	1	1.000	70.53	0.00	0.00	70.53
100375	Tower 102	A6	1.000	4.07	Per 1000 gallons	Min	1	1.000	70.53	0.00	0.00	70.53
100376	Towers 103/104	A6	1.000	4.07	Per 1000 gallons	Min	2	1.000	141.06	0.00	0.00	141.06
100377	Tower 105	A6	1.000	4.07	Per 1000 gallons	Min	1	1.000	70.53	0.00	0.00	70.53
100424	Tank 253	A6	1.000	4.07	Per 1000 gallons	Min	1	1.000	70.53	0.00	0.00	70.53
100425	Tank 254	A6	1.000	4.07	Per 1000 gallons	Min	1	1.000	70.53	0.00	0.00	70.53
100423	Corrosion Units 601/602	A1.a	1.000	70.99	Per equipment	No	2	1.000	141.98	0.00	0.00	141.98
000348	Asphalt Heater 1	A3	4.500	532.55	Per 1 million Btu input	No	1	1.000	2,396.48	0.00	0.00	2,396.48

ATTACHMENT C
Fee Statement

Device No.	Device Name	Fee Schedule	Qty of Fee Units	Fee per Unit	Fee Units	Max or Min. Fee Apply?	Number of Same Devices	Pro Rate Factor	Device Fee	Penalty Fee?	Fee Credit	Total Fee per Device
005833	Asphalt Heater 2	A3	4.500	532.55	Per 1 million Btu input	No	1	1.000	2,396.48	0.00	0.00	2,396.48
000349	Asphalt Heater 3	A3	3.500	532.55	Per 1 million Btu input	No	1	1.000	1,863.93	0.00	0.00	1,863.93
000350	Asphalt Heater 4	A3	9.000	532.55	Per 1 million Btu input	No	1	1.000	4,792.95	0.00	0.00	4,792.95
100428	Pump 310	A2	10.000	36.80	Per total rated hp	No	1	1.000	368.00	0.00	0.00	368.00
000372	Tank 10007	A6	377.118	4.07	Per 1000 gallons	No	1	1.000	1,534.87	0.00	0.00	1,534.87
000362	Tank 10008	A6	375.774	4.07	Per 1000 gallons	No	1	1.000	1,529.40	0.00	0.00	1,529.40
000356	Tank 10009	A6	411.264	4.07	Per 1000 gallons	No	1	1.000	1,673.84	0.00	0.00	1,673.84
000366	Tank 25001	A6	896.826	4.07	Per 1000 gallons	Max	1	1.000	3,562.03	0.00	0.00	3,562.03
000364	Tank 27001	A6	1007.454	4.07	Per 1000 gallons	Max	1	1.000	3,562.03	0.00	0.00	3,562.03
000363	Tank 40001	A6	1680.000	4.07	Per 1000 gallons	Max	1	1.000	3,562.03	0.00	0.00	3,562.03
000365	Tank 40002	A6	1459.290	4.07	Per 1000 gallons	Max	1	1.000	3,562.03	0.00	0.00	3,562.03
100583	Pump 158	A2	50.000	36.80	Per total rated hp	No	1	1.000	1,840.00	0.00	0.00	1,840.00
100584	Pump 159	A2	40.000	36.80	Per total rated hp	No	1	1.000	1,472.00	0.00	0.00	1,472.00
100582	Pump 201	A2	25.000	36.80	Per total rated hp	No	1	1.000	920.00	0.00	0.00	920.00
100586	Pump 209	A2	25.000	36.80	Per total rated hp	No	1	1.000	920.00	0.00	0.00	920.00
100587	Pump 211	A2	10.000	36.80	Per total rated hp	No	1	1.000	368.00	0.00	0.00	368.00
100588	Pump 212	A2	25.000	36.80	Per total rated hp	No	1	1.000	920.00	0.00	0.00	920.00

ATTACHMENT C
Fee Statement

Device No.	Device Name	Fee Schedule	Qty of Fee Units	Fee per Unit	Fee Units	Max or Min. Fee Apply?	Number of Same Devices	Pro Rate Factor	Device Fee	Penalty Fee?	Fee Credit	Total Fee per Device
100589	Pump 214	A2	20.000	36.80	Per total rated hp	No	1	1.000	736.00	0.00	0.00	736.00
100590	Pump 215	A2	3.000	36.80	Per total rated hp	No	1	1.000	110.40	0.00	0.00	110.40
100591	Pump 219	A2	7.500	36.80	Per total rated hp	No	1	1.000	276.00	0.00	0.00	276.00
100585	Electric Motor 203	A2	10.000	36.80	Per total rated hp	No	1	1.000	368.00	0.00	0.00	368.00
100592	Vapor Recovery Compressor 4	A2	3.000	36.80	Per total rated hp	No	1	1.000	110.40	0.00	0.00	110.40
008345	Fugitives: Oil Valves	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
008346	Fugitives: Oil Flanges	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
008347	Fugitives: Oil Pump Seals	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
393292	Fugitives: Pump Seals Dual/Tandem	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
008342	Fugitives: Gas Valves	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
008343	Fugitives: Gas Flanges	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
008344	Fugitives: Gas PSVs to Atm/Flare	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
393293	Fugitives: Gas PSVs to VRS	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
000371	Naphtha/Distillate Loading Racks	A1.a	1.000	70.99	Per equipment	No	2	1.000	141.98	0.00	0.00	141.98
100576	Compressor Discharge Air Cooler	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100574	Compressor Liquid Knockout Drum	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
100577	Compressor Discharge Knockout Drum	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	70.99	0.00	141.98
100578	Knockout Liquid Return Pump	A2	1.000	36.80	Per total rated hp	Min	1	1.000	70.53	0.00	0.00	70.53
388697	Vapor Recovery Compressor	A2	7.500	36.80	Per total rated hp	No	1	1.000	276.00	0.00	0.00	276.00
112632	Compressor	A2	5.000	36.80	Per total rated hp	No	1	1.000	184.00	0.00	0.00	184.00
106436	Dry Bed Contactor 80	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
106437	Dry Bed Contactor 205	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
112727	Miura Boiler 2	A3	12.600	532.55	Per 1 million Btu input	No	1	1.000	6,710.13	0.00	0.00	6,710.13
100922	Miura Boiler 3	A3	12.400	532.55	Per 1 million Btu input	No	1	1.000	6,603.62	0.00	0.00	6,603.62

ATTACHMENT C
Fee Statement

Device No.	Device Name	Fee Schedule	Qty of Fee Units	Fee per Unit	Fee Units	Max or Min. Fee Apply?	Number of Same Devices	Pro Rate Factor	Device Fee	Penalty Fee?	Fee Credit	Total Fee per Device
387607	Seattle Boiler	A3	21.840	532.55	Per 1 million Btu input	Max	1	1.000	7,125.75	0.00	0.00	7,125.75
100580	Scrubber	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
106438	Scrubber 207	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
106440	Scrubber 208	A1.a	1.000	70.99	Per equipment	No	1	1.000	70.99	0.00	0.00	70.99
	Device Fee Sub-Totals =								**$100,928.40**	**$70.99**	**$0.00**	
	Device Fee Total =											**$100,999.39**

Permit Fee

Fee Based on Devices **$100,999.39**

Fee Statement Grand Total = $100,999

Notes:

(1) Fee Schedule Items are listed in District Rule 210, Fee Schedule "A".
(2) The term "Units" refers to the unit of measure defined in the Fee Schedule.

air pollution control district
SANTA BARBARA COUNTY

MAY 24 2019

Certified Mail
Return Receipt Requested 9261 2901 1220 3900 4792 78

Alfonso Rodriguez
California Asphalt Production, Inc.
PO Box 5489
Santa Maria, CA 93456

FID: 00037
Permit: P 08259 - R11
SSID: 04640

Re: Final Permit to Operate 08259 - R11
Fee Due: $ 100,999

Dear Mr. Rodriguez:

Enclosed is the final Permit to Operate (PTO) No. 08259 - R11 for asphalt, light oil, naphtha, and heavy vacuum gas oil equipment at 1660 Sinton Road in Santa Maria.

Please carefully review the enclosed documents to ensure that they accurately describe your facility and that the conditions are acceptable to you. Note that your permitted emission limits may, in the future, be used to determine emission fees.

This PTO is for the triennial (every three years) reevaluation of existing air quality permits at your facility, as required by Air Pollution Control District (District) Rule 201. This permit may contain new conditions added to ensure compliance with current laws and updated regulations.

You should become familiar with all District rules pertaining to your facility. This permit does not relieve you of any requirements to obtain authority or permits from other governmental agencies.

This permit requires you to:

- Pay a **fee** of $100,999, which is due immediately and is considered late after 30 calendar days from the date stamped on the permit. Pursuant to District Rule 210.IV.B, no appeal shall be heard unless all fees have been paid. See the attached invoice for more information.
- Follow the conditions listed on your permit. Pay careful attention to the recordkeeping and reporting requirements.
- Ensure that a copy of the enclosed permit is posted or kept readily available near the permitted equipment.
- Promptly report changes in ownership, operator, or your mailing address to the District.

If you are not satisfied with the conditions of this permit, **you have thirty (30) days from the date of this issuance to appeal this permit to the Air Pollution Control District Hearing Board** (ref: California Health and Safety Code, §42302.1). Any contact with District staff to discuss the terms of this permit will not stop or alter the 30-day appeal period.

Please include the facility identification (FID) and permit numbers as shown at the top of this letter on all correspondence regarding this permit. If you have any questions, please contact Kevin Brown of my staff at (805) 961-8826.

Sincerely,

Michael Goldman, Division Manager
Engineering Division

enc: Final PTO 08259 - R11
Final Permit Evaluation
Invoice # R 08259 - R11
Air Toxics "Hot Spots" Fact Sheet District Form 12B

cc: Santa Maria Asphalt Refinery 00037 Project File
Engr Chron File
Accounting (Invoice only)
Kevin Brown (Cover letter only)
Steve Ward (Authorized Agent)

\\sbcapcd.org\shares\Groups\ENGR\WP\Oil&Gas\GSD\SSID 04640 - SMRC Union Sugar\00037 Santa Maria Refinery\Reeval 8259-R11\Reeval 08259 R11 - Final Letter - 5-21-2019.docx

air pollution control district
SANTA BARBARA COUNTY

260 N San Antonio Rd, Suite A
Santa Barbara, CA 93110-1315

Invoice: R 08259 - R11
Date: MAY 24 2019
Terms: Net 30 Days

300500/6600/3282

INVOICE

BILL TO:	FACILITY:
Alfonso Rodriguez California Asphalt Production, Inc. (110655) PO Box 5489 Santa Maria, CA 93456	Santa Maria Asphalt Refinery 00037 1660 Sinton Road Santa Maria

Permit: Permit to Operate (PTO) No. 08259 - R11

Fee Type: Permit Reevaluation Fee (see the Fee Statement in your permit for a breakdown of the fees)

Amount Due: $ 100,999

REMIT PAYMENTS TO THE ABOVE ADDRESS
Please indicate the invoice number R 08259 - R11
on your remittance.

IF YOU HAVE ANY QUESTIONS REGARDING YOUR INVOICE PLEASE CONTACT
OUR ADMINISTRATION DIVISION AT (805) 961-8800

The District charges $25 for returned checks. Other penalties/fees may be incurred as a result of returned checks and late payment (see District Rule 210). Failure to pay this Invoice may result in the cancellation or suspension of your permit. Please notify the District regarding any changes to the above information

Exhibit 7 b

Permit to Operate 11651-R4

Santa Barbara County
Air Pollution Control District

Permit to Operate 11651 - R4

EQUIPMENT OWNER:

California Asphalt Production, Inc.

EQUIPMENT OPERATOR:

California Asphalt Production, Inc.

EQUIPMENT LOCATION:

1660 Sinton Road, Santa Maria

STATIONARY SOURCE/FACILITY:

Santa Maria Asphalt Refinery

SSID: 04640
FID: 00037

EQUIPMENT DESCRIPTION:

Diesel-fired emergency standby engine(s) as listed in the table at the end of this permit.

PROJECT/PROCESS DESCRIPTION:

The diesel engine(s) subject to this permit provide power for a fire suppression system in times of emergencies as defined by the State's *Airborne Toxics Control Measure for Stationary Compression Ignition Engines* (ATCM). This ATCM (CCR Section 93115, Title 17) limits annual engine maintenance and testing hours to NFPA standards with no limitation for emergency use. Definitions of the terms "*maintenance and testing*" and "*emergency use*" are found in the ATCM and the District's webpage at http://www.ourair.org/dice-atcm/.

CONDITIONS:

1. **Emission Limitations.** The mass emissions from the equipment permitted herein shall not exceed the values listed in Table 1. Emissions of PM and other pollutants shall not exceed the emissions standards listed in Table 2 of this permit. Compliance shall be based on the operational, monitoring, recordkeeping and reporting conditions of this permit.

2. **Operational Restrictions.** The equipment permitted herein is subject to the following operational restrictions. The equipment may operate as many hours as necessary for emergency use, as defined in the ATCM[1].

   a. Maintenance & Testing Use Limit: The stationary emergency standby diesel-fueled engine(s), except for in-use firewater pump engines, shall not be operated for more than the hours listed in the attached equipment list for maintenance and testing[2] purposes.

   b. Impending Rotating Outage Use: The stationary emergency standby diesel-fueled engine(s) may be operated in response to the notification of an impending rotating outage if all the conditions cited in the ATCM are met.

   c. Fuel and Fuel Additive Requirements: The permittee may only add fuel and/or fuel additives that comply with the ATCM to the engine or to any fuel tank directly attached to the engine.

   d. NESHAP Maintenance Requirements: The permittee must conduct the following maintenance on each in-use emergency standby diesel-fueled engine(s) specified below:

Device ID #	Device Name	Manufacturer	Model Year
107153	E/S Firewater Pump	Caterpillar	1984

      (1) Change the oil and filter every 500 hours of operation or annually, whichever comes first.

      (2) Inspect the air cleaner every 1,000 hours of operation or annually, whichever comes first.

      (3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first.

---

[1] As used in the permit, "ATCM" means Section 93115, Title 17, California Code of Regulations. Airborne Toxic Control Measure for Stationary Compression Ignition (CI) Engines

[2] "maintenance and testing" is defined in the ATCM and may also be found on the District webpage at http://www.ourair.org/wp-content/uploads/ES_MT_DICE_Definitions.pdf

In lieu of changing the oil and filter, the permittee may analyze the oil of each engine every 500 hours of operation or annually, whichever occurs first. The analysis shall measure the Total Base Number, the oil viscosity, and the percent water content. The oil and filter shall be changed if any of the following limits are exceeded:

- The tested Total Base Number is less than 30 percent of the Total Base Number of the oil when new.
- The tested oil viscosity has changed by more than 20 percent from the oil viscosity when new.
- The tested percent water content (by volume) is greater than 0.5 percent.

3. **Monitoring.** The equipment permitted herein is subject to the following monitoring requirements:

   a. Non-Resettable Hour Meter: Each stationary emergency standby diesel-fueled engine(s) shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District has determined (in writing) that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history.

4. **Recordkeeping.** The permittee shall record and maintain the information listed below. Log entries shall be retained for a minimum of 36 months from the date of entry. Log entries made within 24 months of the most recent entry shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request. Log entries made from 25 to 36 months from most recent entry shall be made available to District staff within 5 working days from request. District Form ENF-92 (*Diesel-Fired Emergency Standby Engine Recordkeeping Form*) can be used for this requirement.

   a. emergency use hours of operation.

   b. maintenance and testing hours of operation.

   c. hours of operation for emission testing to show compliance with the ATCM {if specifically allowed for under this permit}.

   d. hours of operation to comply with the requirements of NFPA 25/100 {if applicable}.

   e. hours of operation for all uses other than those specified in items (a) – (d) above along with a description of what those hours were for.

   f. fuel purchase records that demonstrate that only fuel meeting the requirements of the ATCM is purchased and added to each emergency standby engine, or to any fuel tank directly attached to each emergency standby engine.

g. the date of each engine oil change, the number of hours of operation since the last oil change. If an oil analysis is performed, the records must include the date and results of each oil analysis and the Total Base Number and oil viscosity of the oil when new.

h. the date of each engine air filter inspection and the number of hours of operation since the last air filter inspection. Indicate if the air filter was replaced as a result of the inspection.

i. the date of each engine's hose and belts inspection and the number of hours of operation since the last hose and belt inspection. Indicate if any hose or belt was replaced as a result of the inspection.

5. **Reporting.** By March 1 of each year, a written report documenting compliance with the terms and conditions of this permit and the ATCM for the previous calendar year shall be provided by the permittee to the District (Attn: *Annual Report Coordinator*). All logs and other basic source data not included in the report shall be made available to the District upon request. The report shall include the information required in the Recordkeeping Condition above.

6. **Temporary Engine Replacements - DICE ATCM.** Any reciprocating internal combustion engine subject to this permit and the stationary diesel ATCM may be temporarily replaced only if the requirements (a – h) listed herein are satisfied.

a. The permitted engine that is being temporarily replaced is in need of routine repair or maintenance.

b. The permitted engine does not have a cracked block, unless the block will be replaced under manufacturer's warranty.

c. Replacement parts are available for the permitted engine.

d. The permitted engine is returned to its original service within 180 days of installation of the temporary engine.

e. The temporary replacement engine has the same or lower manufacturer rated horsepower and same or lower potential to emit of each pollutant as the permitted engine. At the written request of the permittee, the District may approve a replacement engine with a larger rated horsepower if the proposed temporary engine has manufacturer guaranteed emissions (for a brand new engine) or source test data (for a previously used engine) less than or equal to the permitted engine.

f. The temporary replacement engine shall comply with all rules and permit requirements that apply to the permitted engine.

g. For each permitted engine to be temporarily replaced, the permittee shall submit a completed *Temporary IC Engine Replacement Notification* form (Form ENF-94) within

14 days of the temporary engine being installed. This form may be sent hardcopy, or can be e-mailed (e-mail: engr@sbcapcd.org) to the District (Attn: Engineering Supervisor).

h. Within 14 days of returning the original permitted engine to service, the permittee shall submit a completed *Temporary IC Engine Replacement Report* form (Form ENF-95). This form may be sent hardcopy, or can be e-mailed (e-mail: engr@sbcapcd.org) to the District (Attn: Engineering Supervisor).

Any engine in temporary replacement service shall be immediately shut down if the District determines that the requirements of this condition have not been met. If the requirements of this condition are not met, the permittee must obtain an ATC before installing or operating a temporary replacement engine.

7. **Permanent Engine Replacements.** The permittee may install a new engine in place of an engine permitted herein without first obtaining an ATC only if the requirements (a – f) listed herein are satisfied.

a. The permitted stationary diesel-fueled engine is an E/S engine, a firewater pump engine or an engine used for an essential public service (as defined by the District).

b. The permitted engine breaks down, cannot be repaired, and needs to be replaced by a new permanent engine.

c. The facility provides "good cause" (in writing) for the need to install a new permanent engine before an ATC can be obtained for a new engine.

d. The new permanent engine must comply with the requirements of the ATCM for new engines. A temporary replacement engine may be used while the new permanent engine is being procured only if it meets the requirements of the *Temporary Engine Replacements - DICE ATCM* permit condition.

e. An ATC application for the new permanent engine must be submitted to the District within 15 days of the existing engine being replaced and the ATC must be obtained no later than 180 days from the date of engine replacement (these timelines include the use of a temporary engine).

f. For each new permanent engine installed pursuant to this condition, the permittee shall submit a completed *Permanent IC Engine Replacement Notification* form (Form ENF-96) within 14 days of the new engine being installed. This form may be sent hardcopy, or can be e-mailed (e-mail: engr@sbcapcd.org) to the District (Attn: Engineering Supervisor).

Any engine installed pursuant to this condition shall be immediately shut down if the District determines that the requirements of this condition have not been met.

8. **Notification of Non-Compliance.** Owners or operators who have determined that they are operating their stationary diesel-fueled CI engine(s) in violation of the requirements specified in the ATCM shall notify the District immediately upon detection of the violation and shall be subject to District enforcement action.

9. **Notification of Loss of Exemption.** Owners or operators of in-use stationary diesel-fueled CI engines who are exempt from all or part of the requirements of the ATCM shall notify the District within five days after they become aware that the exemption no longer applies and shall demonstrate compliance within 180 days after the date the exemption no longer applies.

10. **Enrollment in a DRP/ISC.** Owners or operators shall obtain an ATC before enrolling a stationary diesel-fueled CI engine rated over 50 bhp in a Demand Response Program/Interruptible Service Contract (as defined in the ATCM) for the first time.

11. **Consistency with Analysis.** Operation under this permit shall be conducted consistent with all data, specifications and assumptions included with the application and supplements thereof (as documented in the District's project file) and the District's analyses under which this permit is issued as documented in the Permit Evaluation prepared for and issued with the permit.

12. **Equipment Maintenance.** The equipment listed in this permit shall be properly maintained and kept in good condition at all times. The equipment manufacturer's maintenance manual, maintenance procedures and/or maintenance checklists (if any) shall be kept on site.

13. **Compliance.** Nothing contained within this permit shall be construed as allowing the violation of any local, state or federal rules, regulations, air quality standards or increments.

14. **Severability.** In the event that any condition herein is determined to be invalid, all other conditions shall remain in force.

15. **Conflict Between Permits.** The requirements or limits that are more protective of air quality shall apply if any conflict arises between the requirements and limits of this permit and any other permitting actions associated with the equipment permitted herein.

16. **Access to Records and Facilities.** As to any condition that requires for its effective enforcement the inspection of records or facilities by the District or its agents, the permittee shall make such records available or provide access to such facilities upon notice from the District. Access shall mean access consistent with California Health and Safety Code Section 41510 and Clean Air Act Section 114A.

17. **Equipment Identification.** Identifying tag(s) or name plate(s) shall be displayed on the equipment to show manufacturer, model number, and serial number. The tag(s) or plate(s) shall be issued by the manufacturer and shall be affixed to the equipment in a permanent and conspicuous position.

18. **Emission Factor Revisions.** The District may update the emission factors for any calculation based on USEPA AP-42 or District emission factors at the next permit modification or permit reevaluation to account for USEPA and/or District revisions to the underlying emission factors.

19. **Transfer of Owner/Operator.** This permit is only valid for the owner and operator listed on this permit unless a *Transfer of Owner/Operator* application has been applied for and received by the District. Any transfer of ownership or change in operator shall be done in a manner as specified in District Rule 203. District Form –01T and the appropriate filing fee shall be submitted to the District within 30 days of the transfer.

20. **Reimbursement of Costs. N/A**

AIR POLLUTION CONTROL OFFICER

NOV 15 2017

DATE

Attachments:

- Table 1 – Mass Emission Limits
- Table 2 – Emission Standards
- Permit Equipment List
- Permit Evaluation for Permit to Operate 11651 - R4

Notes:

- Reevaluation Due Date: October 2020
- ATCM information can be located online at http://www.ourair.org/dice-atcm/
- Detailed recordkeeping is required. See Form ENF -92 at the above webpage.
- Stationary sources are subject to an annual emission fee (see Fee Schedule B-3 of Rule 210).
- Annual reports are due by March 1st of each year.
- This permit supersedes Permit to Operate 11651-R3.

TABLE 1. MASS EMISSION LIMITS

Device ID #	NOx		ROC		CO		SOx		PM		PM10		PM2.5	
	lb/day	tpy	lb/day	tpy	lb/day	tpy	lb/day	tpy	lb/day	tpy	lb/day	tpy	lb/day	tpy
107153	16.49	0.12	1.31	0.01	3.55	0.03	0.01	0.01	1.15	0.01	1.15	0.01	1.15	0.01

TABLE 2. EMISSION FACTORS (g/bhp-hr)

Device ID #	NOx	ROC	CO	SOx	PM	PM10	PM2.5
107153	14.06	1.12	3.03	0.01	0.98	0.98	0.98

Table Notes:

(a) Mass emission limits based on allowable maintenance and testing hours.
(b) NO_x as NO_2. SO_x as SO_2. PM means diesel PM.
(c) Device ID # from permit equipment list.
(d) lb/day = pounds per day. tpy = tons per year
(e) Emission data that round down to 0.00 has been set to a default of 0.01.

PERMIT EQUIPMENT LIST

Device ID #	107153	*Maximum Rated BHP*	266
Device Name	E/S Firewater Pump	*Serial Number*	64Z03317
Engine Use	Fire Water Pump	*EPA Engine Family Name*	n/a
Manufacturer	Caterpillar	*Operator ID*	
Model Year	1984	*Fuel Type*	CARB Diesel - ULSD
Model	3306 D1		
DRP/ISC?	No	*Healthcare Facility?*	No
Daily Hours	2.00	*Annual Hours*	NFPA Limited
Location			
Note			
Device Description	A 266 bhp diesel IC engine powering an emergency firewater pump.		

Santa Barbara County
Air Pollution Control District

PERMIT EVALUATION FOR
PERMIT TO OPERATE 11651 - R4

1.0 BACKGROUND

This permit is for the triennial reevaluation of the Permit to Operate. This permit addresses requirements of the State's Airborne Toxic Control Measure for Stationary Compression Ignition Engines (DICE ATCM). On March 17, 2005 District Rule 202 {*Exemptions to Rule 201*} was revised to remove the compression-ignited engine (e.g., diesel) permit exemption for units rated over 50 brake horsepower (bhp). That exemption was removed to allow the District to implement the DICE ATCM.

2.0 DICE ATCM COMPLIANCE

Owners of In-Use Stationary DICE E/S engines are subject to the requirements of Table 2 of the ATCM. The ATCM requires that the hours of operation be monitored with a non-resettable hour meter, that CARB Diesel Fuel be used (or approved alternative) and that detailed records of use be recorded and reported.

3.0 EMISSIONS

Emissions: Mass emission estimates are based on the maximum allowed hours for maintenance and testing. Emissions are determined by the following equations:

E1, lb/day = Engine Rating (bhp) * EF (g/bhp-hr) * Daily Hours (hr/day) * (lb/453.6 g)
E2, tpy = Engine Rating (bhp) * EF (g/bhp-hr) * Annual Hours (hr/yr) * (lb/453.6 g) * (ton/2000 lb)

The emission factors (EF) were chosen based on each engine's rating and age. Unless engine specific data was provided, default emission factors are used as documented on the District's webpage at http://www.ourair.org/dice/emission-factors/. Daily hours are assumed to be 2 hrs/day (re: ATCM FAQ Ver 1.5 #32) unless otherwise requested by the applicant.

4.0 REEVALUATION REVIEW

Compliance Summary:

VIOLATION TYPE	NUMBER	ISSUE DATE	DESCRIPTION OF VIOLATION
NOV	10940	03/14/2016	1. District Rule 331 was violated by exceeding the amount of major leaks in the "other' component category. 2. District Rule 201 was violated by operating a Diesel Internal Combustion Engine over 50bhp at a Stationary Source without the benefit of a District permit. 3. District Rule 206 was violated by failing to perform biennial source testing by the anniversary date specified in PTO 08259-R9. 4. District Rule 206 was violated by failing to perform annual calibrations on various fuel meters as stated in tables 4-1, 4-2, and 4-3 of the SMRC Fuel Use Monitoring Plan.
NOV	10942	03/28/2016	Notice of Violation #10942 documents violations of District Rules 206 and 201. District Rule 206 was violated by not adhering to Condition 7.e. of ATC 14599. District Rule 201 was violated by operating equipment that emits air contaminants at a stationary source without a valid District permit.
NOV	11104	09/07/2016	District Rule 206 was violated by failing to submit the 2015 annual report as required by Condition 5 of Permit to Operate (PTO) 11650-R3 which governs the use of a diesel-fired, emergency, standby engine that powers an air compressor.
NOV	11182	03/27/2017	Violation of District Rule 331 by exceeding the amount of major leaks allowed by Table 1 in the "other" component category during a District inspection.
NOV	11195	07/12/2017	Four counts of violation of District Rule 206 and three counts of violation of District Rule 331.

Notes from Inspector: The facility was inspected on 06/13/2017. During this inspection, the inspector indicated issued NOV #11195 for various District violations. See Compliance Summary.

Changes to Applicable Rules (or new rules): The Federal NESHAP for reciprocating internal combustion engines (RICE NESHAP) established inspection and maintenance requirements for emergency standby diesel engines. Engines at residential, institutional, and commercial facilities are exempt from these new requirements. The engine on this permit is subject to the requirements of this regulation.

Changes/Revisions to Engineering Analysis (EF updates, etc.): There have been no changes to the Engineering Analysis.

Changes/Revisions to Monitoring, Recordkeeping & Reporting: There have been no changes to these requirements.

Other Changes/Corrections made: This permit reflects the most current template.

5.0 AQIA

The project is not subject to the Air Quality Impact Analysis requirements of Regulation VIII.

6.0 OFFSETS/ERCs

Offsets: The emission offset thresholds of Regulation VIII are not exceeded.

ERCs: This source does not generate emission reduction credits.

7.0 AIR TOXICS

An air toxics health risk assessment was not performed for this permitting action.

8.0 CEQA / LEAD AGENCY

This project is exempt from CEQA pursuant to the Environmental Review Guidelines for the Santa Barbara County APCD (revised April 30, 2015). Appendix A (*APCD Projects Exempt from CEQA* and *Equipment or Operations Exempt from CEQA*) provides an exemption specifically for permits to operate and reevaluations thereof. No further action is necessary.

9.0 SCHOOL NOTIFICATION

A school notice pursuant to the requirements of H&SC §42301.6 was not required.

10.0 PUBLIC and AGENCY NOTFICATION PROCESS/COMMENTS ON DRAFT PERMIT

This project was not subject to public notice.

No draft permit was issued.

11.0 FEE DETERMINATION

Fees for this permit were assessed pursuant to Schedule F.2 of Rule 210.

12.0 RECOMMENDATION

It is recommended that this permit be granted with the conditions as specified in the permit.

Paula Iorio	11/2/2017		11/15/17
AQ Engineer/Technician	Date	Supervisor	Date

13.0 ATTACHMENT(S)

A. Fee Statement
B. IDS Tables

ATTACHMENT A
Fee Statement

FEE STATEMENT
PTO No. 11651 - R4
FID: 00037 Greka Refining Company / SSID: 04640

Santa Barbara County
Air Pollution Control District

Permit Fee

Triennial Engine Reevaluation Fee	**$429.00**

Fee Statement Grand Total = $429

Notes:

(1) Fee Schedule Items are listed in District Rule 210, Fee Schedule "A".
(2) The term "Units" refers to the unit of measure defined in the Fee Schedule.

ATTACHMENT B
IDS Tables

PERMIT POTENTIAL TO EMIT

	NO_x	ROC	CO	SO_x	PM	PM_{10}	$PM_{2.5}$
lb/day	16.49	1.31	3.55	0.01	1.15	1.15	1.15
lb/hr							
TPQ							
TPY	0.12	0.01	0.03	0.01	0.01	0.01	0.01

FACILITY POTENTIAL TO EMIT

	NO_x	ROC	CO	SO_x	PM	PM_{10}	$PM_{2.5}$
lb/day	130.14	181.50	240.73	251.14	23.21	23.21	23.21
lb/hr							
TPQ							
TPY	23.75	31.11	43.93	45.83	4.24	4.24	4.24

STATIONARY SOURCE POTENTIAL TO EMIT

	NO_x	ROC	CO	SO_x	PM	PM_{10}	$PM_{2.5}$
lb/day	456.91	234.34	500.73	289.13	25.59	25.59	23.21
lb/hr							
TPQ							
TPY	83.39	40.73	91.38	52.76	4.67	4.67	4.24

Notes:
(1) Emissions in these tables are from IDS.
(2) Because of rounding, values in these tables shown as 0.00 are less than 0.005, but greater than zero.

NOV 26 2018

Certified Mail 9171 9690 0935 0212 9984 13
Return Receipt Requested

Jeanette Boyer
GIT, Inc.
PO Box 5489
Santa Maria, CA 93456

FID: 00037
Permits: 08259-R10, 11651-R4, PTO Mod 14599-01, ATC/PTO 15241
SSID: 04640

Re: *Revised First Page* - for the active permits associated with Santa Maria Asphalt Refinery

Dear Ms. Boyer:

We have sent you this letter as the authorized agent acting on behalf of California Asphalt Production, Inc. As requested, we have processed the permit modifications for the Santa Maria Asphalt Refinery stationary source.

Enclosed are the revised first page of all final active permits located at the Santa Maria Asphalt Refinery stationary source. As requested, the oil and gas facilities are now designated under a stationary source separate from the refinery. Please replace the first page of your permits accordingly.

Please include the facility identification (FID) and permit numbers as shown at the top of this letter on all correspondence regarding these changes. If you have any questions, please contact me (805) 961-8821.

Sincerely,

Michael Goldman, Manager
Engineering Division

enc: Revised First Pages for 8259-R10, 11651-R4, PTO Mod 14599-01 and ATC/PTO 15241

cc: Santa Maria Asphalt Refinery 00037 Project File
Engr Chron File
Paula Iorio (Cover letter only)

\\sbcapcd.org\shares\Groups\ENGR\WP\Oil&Gas\GSD\SSID 4640 - Name Change\Revised Final Permits - 11-20-2018.docx

Santa Barbara County
Air Pollution Control District

NOV 1 5 2017

Certified Mail
9171 9690 0935 0156 4903 70

Jeanette Boyer
Greka Oil & Gas
PO Box 5489
Santa Maria, CA 93456

FID: 00037
Permit: P 11651 R4
SSID: 04640

Re: Final Permit to Operate 11651 R4
Fee Due: $ 429

Dear Ms. Boyer:

Enclosed is the final Permit to Operate (Reeval) No. 11651 R4 for the Stationary Diesel-Fired Emergency Standby Engine(s) at 1660 Sinton Road in Santa Maria. Please be sure to carefully review your permit to ensure that it is accurate and that you understand and accept the conditions listed on your permit.

This PTO is for the triennial (every three years) reevaluation of existing air quality permits at your facility, as required by Air Pollution Control District Rule 201. This permit may contain new conditions added to ensure compliance with current laws and updated regulations.

This permit requires you to:

- Pay a **fee** of $429, which is due immediately and is considered late after 30 calendar days from the date stamped on the permit. Pursuant to District Rule 210.IV.B, no appeal shall be heard unless all fees have been paid. See the attached invoice for more information.

- Follow the conditions listed on your permit. Pay careful attention to the recordkeeping and reporting requirements.

- Comply with the applicable requirements of the State's *Airborne Toxics Control Measure for Stationary Compression Ignition Engines* (see http://www.ourair.org/dice-atcm/).

In addition, please be advised that, according to California Health and Safety Code, §42302.1, *you have thirty (30) days from the date of this issuance to appeal this permit to the Air Pollution Control District Hearing Board.* Any contact with District staff to discuss the terms of this permit will not stop or alter the 30-day appeal period.

Please include the facility identification (FID) and permit numbers shown at the top of this letter on all correspondence regarding this permit. If you have any questions, please contact Paula Iorio of my staff at (805) 961-8867.

Sincerely,

Michael Goldman, Manager
Engineering Division

enc: Final Reeval 11651 R4
Invoice # R 11651
Air Toxics "Hot Spots" Fact Sheet District Form 12B

cc: Greka Refining Company 00037 Project File
Engr Chron File
Accounting (Invoice only)
Paula Iorio (Cover letter only)

\\sbcapcd.org\shares\Groups\ENGR\WP\IC Engines\REEVAL\Reeval 11651-R4\Reeval 11651 R4 - Final Letter - 10-26-2017.docx

Santa Barbara County
Air Pollution Control District

260 N San Antonio Rd, Suite A
Santa Barbara, CA 93110-1315

Invoice: R 11651 - R4
Date: NOV 15 2017
Terms: Net 30 Days

320420/6600/3282

INVOICE

BILL TO:	FACILITY:
Jeanette Boyer Greka Oil & Gas (101541) PO Box 5489 Santa Maria, CA 93456	Greka Refining Company 00037 1660 Sinton Road Santa Maria

Permit: Permit to Operate (PTO) No. 11651 - R4

Fee Type: Permit Reevaluation Fee (see the Fee Statement in your permit for a breakdown of the fees)

Amount Due: $ 429

REMIT PAYMENTS TO THE ABOVE ADDRESS
Please indicate the invoice number R 11651 - R4
on your remittance.

IF YOU HAVE ANY QUESTIONS REGARDING YOUR INVOICE PLEASE CONTACT
OUR ADMINISTRATION DIVISION AT (805) 961-8800

The District charges $25 for returned checks. Other penalties/fees may be incurred as a result of returned checks and late payment (see District Rule 210). Failure to pay this Invoice may result in the cancellation or suspension of your permit. Please notify the District regarding any changes to the above information

Exhibit 7 c

Permit to Operate 15241

Santa Barbara County
Air Pollution Control District

Authority to Construct/Permit to Operate 15241

EQUIPMENT OWNER:

California Asphalt Production, Inc.

EQUIPMENT OPERATOR:

California Asphalt Production, Inc.

EQUIPMENT LOCATION:

1660 Sinton Road, Santa Maria

STATIONARY SOURCE/FACILITY:

Santa Maria Asphalt Refinery

SSID: 04640
FID: 00037

EQUIPMENT DESCRIPTION:

Diesel-fired emergency standby engine(s) as listed in the table at the end of this permit.

PROJECT/PROCESS DESCRIPTION:

The diesel engine(s) subject to this permit provide electrical backup power in times of emergencies as defined by the State's *Airborne Toxics Control Measure for Stationary Compression Ignition Engines* (ATCM). This ATCM (CCR Section 93115, Title 17) limits annual engine maintenance and testing hours (as listed for each engine in the equipment list) with no limitation for emergency use. Definitions of the terms "*maintenance and testing*" and "*emergency use*" are found in the ATCM and the District's webpage at http://www.ourair.org/dice-atcm/.

CONDITIONS:

1. **Emission Limitations.** The mass emissions from the equipment permitted herein shall not exceed the values listed in Table 1. Emissions of PM and other pollutants shall not exceed the emissions standards listed in Table 2 of this permit. Compliance shall be based on the operational, monitoring, recordkeeping and reporting conditions of this permit.

2. **Operational Restrictions.** The equipment permitted herein is subject to the following operational restrictions. The equipment may operate as many hours as necessary for emergency use, as defined in the ATCM[1].

   a. Maintenance & Testing Use Limit: The stationary emergency standby diesel-fueled engine(s), except for in-use firewater pump engines, shall not be operated for more than the hours listed in the attached equipment list for maintenance and testing[2] purposes.

   b. Impending Rotating Outage Use: The stationary emergency standby diesel-fueled engine(s) may be operated in response to the notification of an impending rotating outage if all the conditions cited in the ATCM are met.

   c. Fuel and Fuel Additive Requirements: The permittee may only add fuel and/or fuel additives that comply with the ATCM to the engine or to any fuel tank directly attached to the engine.

   d. Initial Startup Hours: Initial startup hours shall not exceed 5 hours.

3. **Monitoring.** The equipment permitted herein is subject to the following monitoring requirements:

   a. Non-Resettable Hour Meter: Each stationary emergency standby diesel-fueled engine(s) shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District has determined (in writing) that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history.

---

[1] As used in the permit, "ATCM" means Section 93115, Title 17, California Code of Regulations. Airborne Toxic Control Measure for Stationary Compression Ignition (CI) Engines

[2] "maintenance and testing" is defined in the ATCM and may also be found on the District webpage at http://www.ourair.org/wp-content/uploads/ES_MT_DICE_Definitions.pdf

4. **Recordkeeping.** The permittee shall record and maintain the information listed below. Log entries shall be retained for a minimum of 36 months from the date of entry. Log entries made within 24 months of the most recent entry shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request. Log entries made from 25 to 36 months from most recent entry shall be made available to District staff within 5 working days from request. District Form ENF-92 (*Diesel-Fired Emergency Standby Engine Recordkeeping Form*) can be used for this requirement.

   a. emergency use hours of operation.

   b. maintenance and testing hours of operation.

   c. hours of operation for emission testing to show compliance with the ATCM {if specifically allowed for under this permit}.

   d. initial start-up hours {if specifically allowed for under this permit}.

   e. hours of operation for all uses other than those specified in items (a) – (d) above along with a description of what those hours were for.

   f. fuel purchase records that demonstrate that only fuel meeting the requirements of the ATCM is purchased and added to each emergency standby engine, or to any fuel tank directly attached to each emergency standby engine.

5. **Reporting.** By March 1 of each year, a written report documenting compliance with the terms and conditions of this permit and the ATCM for the previous calendar year shall be provided by the permittee to the District (Attn: *Annual Report Coordinator*). All logs and other basic source data not included in the report shall be made available to the District upon request. The report shall include the information required in the Recordkeeping Condition above.

6. **Initial Operations and District Inspection.** The permittee shall:

   a. Notify the District in writing (Attn: Engineering Division) of the initial equipment operation date. This notification shall be made with 14 days of initial operations using the enclosed yellow Startup Notification card.

   b. Arrange for equipment inspection by contacting the District's Compliance Supervisor no later than fourteen (14) calendar days after initial operations commence. The equipment inspection shall occur not more than thirty (30) calendar days (or other mutually agreed upon time period) after initial operations begins. Contact the District at enfr@sbcapcd.org to schedule the inspection. This inspection is required to verify that the equipment and its operation are in compliance with District Rules and Permit Conditions.

7. **Temporary Engine Replacements - DICE ATCM.** Any reciprocating internal combustion engine subject to this permit and the stationary diesel ATCM may be temporarily replaced only if the requirements (a – h) listed herein are satisfied.

   a. The permitted engine that is being temporarily replaced is in need of routine repair or maintenance.

   b. The permitted engine does not have a cracked block, unless the block will be replaced under manufacturer's warranty.

   c. Replacement parts are available for the permitted engine.

   d. The permitted engine is returned to its original service within 180 days of installation of the temporary engine.

   e. The temporary replacement engine has the same or lower manufacturer rated horsepower and same or lower potential to emit of each pollutant as the permitted engine. At the written request of the permittee, the District may approve a replacement engine with a larger rated horsepower if the proposed temporary engine has manufacturer guaranteed emissions (for a brand new engine) or source test data (for a previously used engine) less than or equal to the permitted engine.

   f. The temporary replacement engine shall comply with all rules and permit requirements that apply to the permitted engine.

   g. For each permitted engine to be temporarily replaced, the permittee shall submit a completed *Temporary IC Engine Replacement Notification* form (Form ENF-94) within 14 days of the temporary engine being installed. This form may be sent hardcopy, or can be e-mailed (e-mail: engr@sbcapcd.org) to the District (Attn: Engineering Supervisor).

   h. Within 14 days of returning the original permitted engine to service, the permittee shall submit a completed *Temporary IC Engine Replacement Report* form (Form ENF-95). This form may be sent hardcopy, or can be e-mailed (e-mail: engr@sbcapcd.org) to the District (Attn: Engineering Supervisor).

   Any engine in temporary replacement service shall be immediately shut down if the District determines that the requirements of this condition have not been met. If the requirements of this condition are not met, the permittee must obtain an ATC before installing or operating a temporary replacement engine.

8. **Permanent Engine Replacements.** The permittee may install a new engine in place of an engine permitted herein without first obtaining an ATC only if the requirements (a – f) listed herein are satisfied.

   a. The permitted stationary diesel-fueled engine is an E/S engine, a firewater pump engine or an engine used for an essential public service (as defined by the District).

   b. The permitted engine breaks down, cannot be repaired, and needs to be replaced by a new permanent engine.

   c. The facility provides "good cause" (in writing) for the need to install a new permanent engine before an ATC can be obtained for a new engine.

   d. The new permanent engine must comply with the requirements of the ATCM for new engines. A temporary replacement engine may be used while the new permanent engine is being procured only if it meets the requirements of the *Temporary Engine Replacements - DICE ATCM* permit condition.

   e. An ATC application for the new permanent engine must be submitted to the District within 15 days of the existing engine being replaced and the ATC must be obtained no later than 180 days from the date of engine replacement (these timelines include the use of a temporary engine).

   f. For each new permanent engine installed pursuant to this condition, the permittee shall submit a completed *Permanent IC Engine Replacement Notification* form (Form ENF-96) within 14 days of the new engine being installed. This form may be sent hardcopy, or can be e-mailed (e-mail: engr@sbcapcd.org) to the District (Attn: Engineering Supervisor).

   Any engine installed pursuant to this condition shall be immediately shut down if the District determines that the requirements of this condition have not been met.

9. **Notification of Non-Compliance.** Owners or operators who have determined that they are operating their stationary diesel-fueled CI engine(s) in violation of the requirements specified in the ATCM shall notify the District immediately upon detection of the violation and shall be subject to District enforcement action.

10. **Notification of Loss of Exemption.** Owners or operators of in-use stationary diesel-fueled CI engines who are exempt from all or part of the requirements of the ATCM shall notify the District within five days after they become aware that the exemption no longer applies and shall demonstrate compliance within 180 days after the date the exemption no longer applies.

11. **Enrollment in a DRP/ISC.** Owners or operators shall obtain an ATC before enrolling a stationary diesel-fueled CI engine rated over 50 bhp in a Demand Response Program/Interruptible Service Contract (as defined in the ATCM) for the first time.

12. **Consistency with Analysis.** Operation under this permit shall be conducted consistent with all data, specifications and assumptions included with the application and supplements thereof (as documented in the District's project file) and the District's analyses under which this permit is issued as documented in the Permit Evaluation prepared for and issued with the permit.

13. **Equipment Maintenance.** The equipment listed in this permit shall be properly maintained and kept in good condition at all times. The equipment manufacturer's maintenance manual, maintenance procedures and/or maintenance checklists (if any) shall be kept on site.

14. **Compliance.** Nothing contained within this permit shall be construed as allowing the violation of any local, state or federal rules, regulations, air quality standards or increments.

15. **Severability.** In the event that any condition herein is determined to be invalid, all other conditions shall remain in force.

16. **Conflict Between Permits.** The requirements or limits that are more protective of air quality shall apply if any conflict arises between the requirements and limits of this permit and any other permitting actions associated with the equipment permitted herein.

17. **Access to Records and Facilities.** As to any condition that requires for its effective enforcement the inspection of records or facilities by the District or its agents, the permittee shall make such records available or provide access to such facilities upon notice from the District. Access shall mean access consistent with California Health and Safety Code Section 41510 and Clean Air Act Section 114A.

18. **Equipment Identification.** Identifying tag(s) or name plate(s) shall be displayed on the equipment to show manufacturer, model number, and serial number. The tag(s) or plate(s) shall be issued by the manufacturer and shall be affixed to the equipment in a permanent and conspicuous position.

19. **Emission Factor Revisions.** The District may update the emission factors for any calculation based on USEPA AP-42 or District emission factors at the next permit modification or permit reevaluation to account for USEPA and/or District revisions to the underlying emission factors.

20. **Transfer of Owner/Operator.** This permit is only valid for the owner and operator listed on this permit unless a *Transfer of Owner/Operator* application has been applied for and received by the District. Any transfer of ownership or change in operator shall be done in a manner as specified in District Rule 203. District Form –01T and the appropriate filing fee shall be submitted to the District within 30 days of the transfer.

AIR POLLUTION CONTROL OFFICER

JUL 09 2018

DATE

Attachments:

- Table 1 – Mass Emission Limits
- Table 2 – Emission Standards
- Permit Equipment List
- Permit Evaluation for Authority to Construct/Permit to Operate 15241

Notes:

- Reevaluation Due Date: July 1, 2021
- ATCM information can be located online at http://www.ourair.org/dice-atcm/
- Detailed recordkeeping is required. See Form ENF -92 at the above webpage.
- Stationary sources are subject to an annual emission fee (see Fee Schedule B-3 of Rule 210).
- Annual reports are due by March 1st of each year.
- This permit is valid for one year from the date stamped above if unused.

TABLE 1. MASS EMISSION LIMITS

Device ID #	NOx		ROC		CO		SOx		PM		PM10		PM2.5	
	lb/day	tpy	lb/day	tpy	lb/day	tpy	lb/day	tpy	lb/day	tpy	lb/day	tpy	lb/day	tpy
393089	0.42	0.01	0.19	0.00	3.60	0.04	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00

TABLE 2. EMISSION FACTORS (g/bhp-hr)

Device ID #	NOx	ROC	CO	SOx	PM	PM10	PM2.5
393089	0.30	0.14	2.60	0.0055	0.01	0.01	0.01

Table Notes:

(a) Mass emission limits based on allowable maintenance and testing hours.
(b) NO_x as NO_2. SO_x as SO_2. PM means diesel PM.
(c) Device ID # from permit equipment list.
(d) lb/day = pounds per day. tpy = tons per year
(e) Emission data that round down to 0.00 has been set to a default of 0.01.

PERMIT EQUIPMENT LIST

Device ID #	393089	*Maximum Rated BHP*	314
Device Name	Emergency Standby Generator	*Serial Number*	TBD
Engine Use	Electrical Power	*EPA Engine Family Name*	GCEXL06.7AAL
Manufacturer	Cummins	*Operator ID*	
Model Year	2016	*Fuel Type*	CARB Diesel - ULSD
Model	QSB7-G9		
DRP/ISC?	No	*Healthcare Facility?*	No
Daily Hours	2.00	*Annual Hours*	50
Location			
Note			
Device Description	Tier 4 Final, turbocharged/aftercooled, CARB Executive Order: U-R-002-0635		

Santa Barbara County
Air Pollution Control District

PERMIT EVALUATION FOR
AUTHORITY TO CONSTRUCT/PERMIT TO OPERATE 15241

1.0 BACKGROUND

This permit authorizes the installation and operation of a temporary emergency standby diesel generator at the Greka Refining Company's Santa Maria Refinery. The application for ATC/PTO 150241 was received on June 28, 2018 and deemed complete on July 5, 2018. The application was submitted as a result of Notice of Violation 11253. This permit addresses requirements of the State's Airborne Toxic Control Measure for Stationary Compression Ignition Engines (DICE ATCM).

2.0 DICE ATCM COMPLIANCE

Owners of New Stationary DICE E/S engines are subject to the requirements of Table 1 of the ATCM. The ATCM requires that the hours of operation be monitored with a non-resettable hour meter, that CARB Diesel Fuel be used (or approved alternative) and that detailed records of use be recorded and reported.

3.0 EMISSIONS

Emissions: Mass emission estimates are based on the maximum allowed hours for maintenance and testing. Emissions are determined by the following equations:

E1, lb/day = Engine Rating (bhp) * EF (g/bhp-hr) * Daily Hours (hr/day) * (lb/453.6 g)
E2, tpy = Engine Rating (bhp) * EF (g/bhp-hr) * Annual Hours (hr/yr) * (lb/453.6 g) * (ton/2000 lb)

The emission factors (EF) were chosen based on each engine's rating and age. Unless engine specific data was provided, default emission factors are used as documented on the District's webpage at http://www.ourair.org/dice/emission-factors/. Daily hours are assumed to be 2 hrs/day (re: ATCM FAQ Ver 1.5 #32) unless otherwise requested by the applicant.

4.0 REEVALUATION REVIEW (not applicable)

5.0 AQIA

The project is not subject to the Air Quality Impact Analysis requirements of Regulation VIII.

6.0 OFFSETS/ERCs

Offsets: The Greka Refining Company stationary source exceeds the offset thresholds of Regulation VIII for NO_x, ROC and SO_x.

ERCs: The Greka Refining Company stationary source became subject to emission offsets as a result of the adoption of revised Rule 802 on August 25, 2016. Rule 802.B exempts emergency standby generators from the offset requirements of Rule 802.E, therefore ERCs are not required.

7.0 AIR TOXICS

An air toxics Health Risk Assessment (HRA) screening was conducted by the Santa Barbara County Air Pollution Control District (District) for the proposed diesel-fired internal combustion engine (DICE) located at 1660 Sinton Road in Santa Maria. The proposed engine is a 314-bhp Model QSB7-G9, manufactured by Cummins. The HRA screening was conducted using the District's DICE Screening Tool, which was developed using the USEPA-recommended screening model, AERSCREEN, and the Hotspots Analysis and Reporting Program (HARP) software, Version 2. Cancer risk and chronic non-cancer Hazard Index (HI) risk values were calculated and compared to *significance thresholds* for cancer and chronic non-cancer risk adopted by the District's Board of Directors. The calculated risk values from this engine alone and applicable thresholds are as follows:

	New DICE Max Risks	Significance Threshold
Cancer risk:	5.7/million	≥10/million
Chronic non-cancer risk:	<0.1	>1

Based on these results, the proposed DICE at 1660 Sinton Road does not present a significant risk to the surrounding community. For this reason, Authority to Construct/Permit to Operate No. 15241 will be issued for this project. Note that this screening HRA was only run for this emergency standby engine.

8.0 CEQA / LEAD AGENCY

The District is the lead agency under CEQA for this project. This project is exempt from CEQA pursuant to the Environmental Review Guidelines for the Santa Barbara County APCD (revised April 30, 2015). Appendix A (*APCD Projects Exempt from CEQA* and *Equipment or Operations Exempt from CEQA*) provides an exemption specifically for diesel-fired emergency/standby engines that comply with the applicable state Air Toxics Control Measure (ATCM). No further action is necessary.

9.0 SCHOOL NOTIFICATION

A school notice pursuant to the requirements of H&SC §42301.6 was not required.

10.0 PUBLIC and AGENCY NOTFICATION PROCESS/COMMENTS ON DRAFT PERMIT

This project was not subject to public notice.

No draft permit was issued.

11.0 FEE DETERMINATION

Fees for this permit were assessed pursuant to Schedule A.3 of Rule 210.

12.0 RECOMMENDATION

It is recommended that this permit be granted with the conditions as specified in the permit.

Kevin Brown	July 5, 2018		7-9-18
AQ Engineer/Technician	Date	Supervisor	Date

13.0 ATTACHMENT(S)

A. Emission Calculations
B. IDS Tables
C. HRA Documentation
D. Fee Statement

ATTACHMENT A
Emission Calculations

DICE EMERGENCY STANDBY EMISSION CALCULATIONS (Ver. 1.0)

Attachment: A-1
Permit Number: 15241
Facility: Greka Refining Company

Engine Information

Data	*Value*	*Units*	*Reference*
Engine Rating	314	bhp	Permit Application
Maximum Daily Hours	2	hours	Permit Application
Maximum Annual Hours	50	hours	Permit Application
EPA Tier	4	N/A	Permit Application

Emission Factors

Pollutant	*g/bhp-hr*	*Reference*
NO_x	0.3000	EPA Tier 4 for 300 hp to 599.99 hp engines
ROC	0.1399	EPA Tier 4 for 300 hp to 599.99 hp engines
CO	2.6000	EPA Tier 4 for 300 hp to 599.99 hp engines
SO_x	0.0055	EPA AP-42, Table 3.3-2, Calculated Value
PM	0.0100	EPA Tier 4 for 300 hp to 599.99 hp engines
PM_{10}	0.0100	AP-42 Chapters 3.2 and 3.3
$PM_{2.5}$	0.0100	AP-42 Chapters 3.2 and 3.3

DICE Potential to Emit

Pollutant	lb/day	TPY
NO_x	0.42	0.01
ROC	0.19	0.00
CO	3.60	0.04
SO_x	0.01	0.00
PM	0.01	0.00
PM_{10}	0.01	0.00
$PM_{2.5}$	0.01	0.00

Processed By: KMB Date: 7/5/2018

Authority to Construct/Permit to Operate 15241

ATTACHMENT B
IDS Tables

PERMIT POTENTIAL TO EMIT

	NO_x	ROC	CO	SO_x	PM	PM_{10}	$PM_{2.5}$
lb/day	0.42	0.19	3.60	0.01	0.01	0.01	0.01
lb/hr							
TPQ							
TPY	0.01	0.00	0.04	0.00	0.00	0.00	0.00

FACILITY POTENTIAL TO EMIT

	NO_x	ROC	CO	SO_x	PM	PM_{10}	$PM_{2.5}$
lb/day	127.92	183.02	216.27	233.29	25.05	25.05	25.05
lb/hr							
TPQ							
TPY	5.94	8.91	22.36	5.10	1.82	1.82	1.82

STATIONARY SOURCE POTENTIAL TO EMIT

	NO_x	ROC	CO	SO_x	PM	PM_{10}	$PM_{2.5}$
lb/day	412.10	232.45	454.97	271.00	27.38	27.38	27.38
lb/hr							
TPQ							
TPY	75.15	40.28	82.41	49.45	4.99	4.99	4.99

Notes:
(1) Emissions in these tables are from IDS.
(2) Because of rounding, values in these tables shown as 0.00 are less than 0.005, but greater than zero.

Authority to Construct/Permit to Operate 15241

ATTACHMENT C
HRA Documentation

1.0 SUMMARY

An air toxics Health Risk Assessment (HRA) screening was conducted by the Santa Barbara County Air Pollution Control District (District) for the proposed diesel-fired internal combustion engine (DICE) located at 1660 Sinton Road in Santa Maria. The proposed engine is a 314-bhp Model QSB7-G9, manufactured by Cummins. The HRA screening was conducted using the District's DICE Screening Tool, which was developed using the USEPA-recommended screening model, AERSCREEN, and the Hotspots Analysis and Reporting Program (HARP) software, Version 2. Cancer risk and chronic non-cancer Hazard Index (HI) risk values were calculated and compared to *significance thresholds* for cancer and chronic non-cancer risk adopted by the District's Board of Directors. The calculated risk values from this engine alone and applicable thresholds are as follows:

	New DICE Max Risks	Significance Threshold
Cancer risk:	5.7/million	≥10/million
Chronic non-cancer risk:	<0.1	>1

Based on these results, the proposed DICE at 1660 Sinton Road does not present a significant risk to the surrounding community. For this reason, Authority to Construct/Permit to Operate No. 15241 will be issued for this project. Note that this screening HRA was only run for this emergency standby engine.

2.0 MODELING INFORMATION

The inputs to the DICE Screening Tool are shown in Figure 2.1 below.

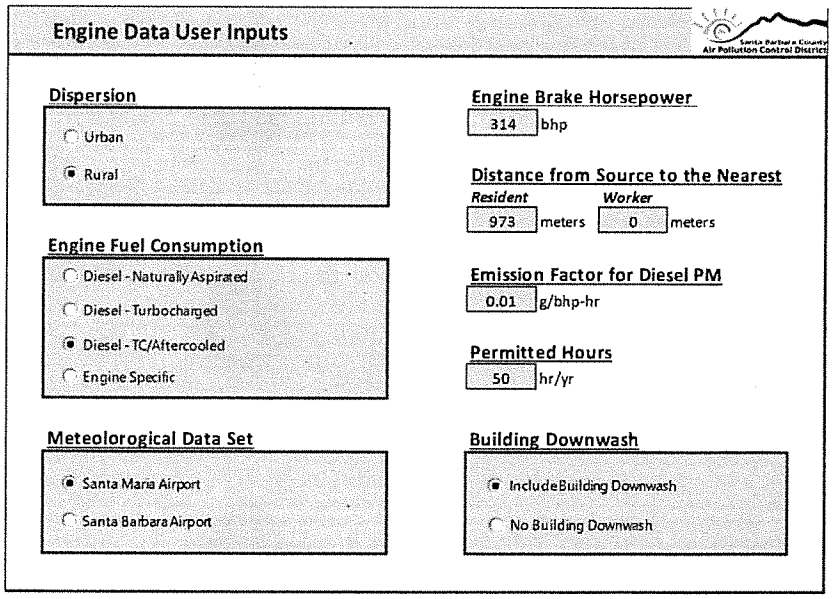

Figure 2.1 – User Inputs to DICE Screening Tool

ATTACHMENT C
HRA Documentation

3.0 EMISSIONS

The calculated emissions for this DICE are shown in Table 3.1. The maximum permitted usage of 50 hours per year for maintenance and testing purposes, maximum rated brake horsepower of 314 bhp for this engine, and the USEPA's Tier IV Final particulate matter (PM) emission standard of 0.01 g/bhp-hr were used to calculate the annual emissions of diesel PM.

Table 3.1 –Facility Emissions Summary

Pollutant	Emissions (lb/yr)
Diesel PM	0.35

4.0 RESULTS

The cancer and chronic non-cancer risks are higher at the maximally exposed individual worker (MEIW) than at the maximally exposed individual resident (MEIR). Table 4.1 displays the cancer and chronic non-cancer risk results at the MEIW. All of the calculated risk values are below the District's significance thresholds.

Table 4.1 – Summary of Screening Tool Results

Pollutant	C_{annual} at MEIW ($\mu g/m^3$)	Cancer Risk (per million)	Chronic Non-Cancer Risk (Hazard Index)
Diesel PM	0.0921	**5.70**	**0.0184**

5.0 REFERENCES

- Risk notification levels were adopted by the Santa Barbara County Air Pollution Control Board of Directors on June 1993. The risk notification levels were set at 10 per million for cancer risk and a Hazard Index of greater than 1.0 for non-cancer risk.
- Air Resources Board. May 2011. "Final Regulation Order: Amendments to the Airborne Toxic Control Measure for Stationary Compression Ignition Engines." https://www.arb.ca.gov/diesel/documents/FinalReg2011.pdf.
- Office of Environmental Health Hazard Assessment. February 2015. "Air Toxics Hot Spots Program: Risk Assessment Guidelines." California Environmental Protection Agency. http://oehha.ca.gov/media/downloads/crnr/2015guidancemanual.pdf.
- Santa Barbara County Air Pollution Control District. August 2015. "Modeling Guidelines for Health Risk Assessments." http://www.ourair.org/wp-content/uploads/apcd-15i.pdf.

ATTACHMENT C
HRA Documentation

6.0 ATTACHMENT

The DICE Screening Tool spreadsheet for this permit may be found in the following location: \\sbcapcd.org\shares\Toxics\SourceFiles\SSID04640GrekaRefiningCompany\AP 15241 DICE Screening.

ATTACHMENT D
Fee Statement

FEE STATEMENT
ATC/PTO No. 15241
FID: 00037 Greka Refining Company / SSID: 04640

Santa Barbara County
Air Pollution Control District

Device Fee

Device No.	Device Name	Fee Schedule	Qty of Fee Units	Fee per Unit	Fee Units	Max or Min. Fee Apply?	Number of Same Devices	Pro Rate Factor	Device Fee	Penalty Fee?	Fee Credit	Total Fee per Device
393089	Emergency Standby Generator	A3	2.2294	532.55	Per 1 million Btu input	No	1	1	1,187.27	0.00	0.00	1,187.27
	Device Fee Sub-Totals =								**$1,187.27**	**$0.00**	**$0.00**	
	Device Fee Total =											**$1,187.27**

Permit Fee

Fee Based on Devices **$1,187.27**

Fee Statement Grand Total = $1,187

Notes:
(1) Fee Schedule Items are listed in District Rule 210, Fee Schedule "A".
(2) The term "Units" refers to the unit of measure defined in the Fee Schedule.

NOV 26 2018

Certified Mail 9171 9690 0935 0212 9984 13
Return Receipt Requested

Jeanette Boyer
GIT, Inc.
PO Box 5489
Santa Maria, CA 93456

FID: 00037
Permits: 08259-R10, 11651-R4, PTO Mod 14599-01, ATC/PTO 15241
SSID: 04640

Re: *Revised First Page* - for the active permits associated with Santa Maria Asphalt Refinery

Dear Ms. Boyer:

We have sent you this letter as the authorized agent acting on behalf of California Asphalt Production, Inc. As requested, we have processed the permit modifications for the Santa Maria Asphalt Refinery stationary source.

Enclosed are the revised first page of all final active permits located at the Santa Maria Asphalt Refinery stationary source. As requested, the oil and gas facilities are now designated under a stationary source separate from the refinery. Please replace the first page of your permits accordingly.

Please include the facility identification (FID) and permit numbers as shown at the top of this letter on all correspondence regarding these changes. If you have any questions, please contact me (805) 961-8821.

Sincerely,

Michael Goldman, Manager
Engineering Division

enc: Revised First Pages for 8259-R10, 11651-R4, PTO Mod 14599-01 and ATC/PTO 15241

cc: Santa Maria Asphalt Refinery 00037 Project File
Engr Chron File
Paula Iorio (Cover letter only)

\\sbcapcd.org\shares\Groups\ENGR\WP\Oil&Gas\GSD\SSID 4640 - Name Change\Revised Final Permits - 11-20-2018.docx

Our Vision Clean Air

Santa Barbara County
Air Pollution Control District

JUL 09 2018

Certified Mail 9171 9690 0935 0191 6680 24
Return Receipt Requested

Jeanette Boyer
Greka Refining Company
PO Box 5489
Santa Maria, CA 93456

FID: 00037
Permit: AP 15241
SSID: 04640

Re: Final Authority to Construct/Permit to Operate 15241
Fee Due: $ 1,187

Dear Ms. Boyer:

Enclosed is the final Authority to Construct/Permit to Operate (ATC/PTO) No. 15241 for a stationary diesel-fired emergency standby engine at the Greka Refining Company's Santa Maria Refinery at 1660 Sinton Road in Santa Maria. Please be sure to carefully review your permit to ensure that it is accurate and that you understand and accept the conditions listed on your permit.

This permit requires you to:

- Pay a **fee** of $1,187, which is due immediately and is considered late after 30 calendar days from the date stamped on the permit. Pursuant to District Rule 210.IV.B, no appeal shall be heard unless all fees have been paid. See the attached invoice for more information.
- Mail us the enclosed Start-up Notification postcard once you have completed construction of the permitted equipment and are ready to operate it.
- Follow the conditions listed on your permit. Pay careful attention to the recordkeeping and reporting requirements.
- Comply with the applicable requirements of the State's *Airborne Toxics Control Measure for Stationary Compression Ignition Engines* (see http://www.ourair.org/dice-atcm/).

In addition, please be advised that, according to California Health and Safety Code, §42302.1, *you have thirty (30) days from the date of this issuance to appeal this permit to the Air Pollution Control District Hearing Board.* Any contact with District staff to discuss the terms of this permit will not stop or alter the 30-day appeal period.

Please include the facility identification (FID) and permit numbers shown at the top of this letter on all correspondence regarding this permit. If you have any questions, please contact Kevin Brown of my staff at (805) 961-8826.

Sincerely,

Michael Goldman, Manager
Engineering Division

Aeron Arlin Genet • Air Pollution Control Officer
260 North San Antonio Road, Suite A • Santa Barbara, CA • 93110 • 805.961.8800
OurAir.org • twitter.com/OurAirSBC

enc: Final ATC/PTO 15241
Invoice # AP 15241
Air Toxics "Hot Spots" Fact Sheet District Form 12B
Start-up Notification Postcard

cc: Greka Refining Company 00037 Project File
Engr Chron File
Accounting (Invoice only)
Kevin Brown (Cover letter only)

\\sbcapcd.org\shares\Groups\ENGR\WP\IC Engines\ATC-PTO\AP 15241\ATC-PTO 15241 - Final Letter - 7-6-2018.docx

Santa Barbara County
Air Pollution Control District

260 N San Antonio Rd, Suite A
Santa Barbara, CA 93110-1315

Invoice: AP 15241
Date: JUL 09 2018
Terms: Net 30 Days

300500/6600/3280

INVOICE

BILL TO:	FACILITY:
Jeanette Boyer Greka Refining Company (101541) PO Box 5489 Santa Maria, CA 93456	Greka Refining Company 00037 1660 Sinton Road Santa Maria

Permit: Authority to Construct/Permit to Operate (ATC/PTO) No. 15241

Fee Type: Permit Evaluation Fee (see the Fee Statement in your permit for a breakdown of the fees)

Amount Due: $ 1,187

REMIT PAYMENTS TO THE ABOVE ADDRESS
Please indicate the invoice number AP 15241
on your remittance.

IF YOU HAVE ANY QUESTIONS REGARDING YOUR INVOICE PLEASE CONTACT
OUR ADMINISTRATION DIVISION AT (805) 961-8800

The District charges $25 for returned checks. Other penalties/fees may be incurred as a result of returned checks and late payment (see District Rule 210). Failure to pay this Invoice may result in the cancellation or suspension of your permit. Please notify the District regarding any changes to the above information

Exhibit 7 d

Permit to Operate 15361

air pollution control district
SANTA BARBARA COUNTY

Authority to Construct/Permit to Operate 15361

EQUIPMENT OWNER:

California Asphalt Production, Inc.

EQUIPMENT OPERATOR:

California Asphalt Production, Inc.

EQUIPMENT LOCATION:

1660 Sinton Road, Santa Maria

STATIONARY SOURCE/FACILITY:

Santa Maria Asphalt Refinery

SSID: 04640
FID: 00037

AUTHORIZED MODIFICATION:

This permit authorizes the installation of a temporary boiler while the Seattle Boiler is removed from service for repairs. The temporary boiler is permitted to operate up to 60 days.

EQUIPMENT DESCRIPTION:

The equipment subject to this permit is listed in the table at the end of this permit.

PROJECT/PROCESS DESCRIPTION:

A PUC gas fired, 15.900 MMBtu/hr Cleaver Brooks CBI-200-350-150 equipped with a Cleaver Brooks CBLE low NO_x burner will be installed temporarily while the 21.840 MMBtu/hr Seattle Boiler (Device ID: 387607) undergoes repairs. The temporary boiler burner meets 9 ppmv NO_x @ 3% oxygen and 50 ppmv CO @ 3% oxygen.

CONDITIONS:

1. **Emission Limitations.** The mass emissions from the equipment permitted herein shall not exceed the values listed in Table 1. Compliance shall be based on the operational, monitoring, recordkeeping and reporting conditions of this permit.

   a. Oxides of Nitrogen (NO_x) Concentration Emission Limits: Emissions of NO_x (as NO_2) from the temporary boiler subject to his permit shall not exceed a NO_x stack concentration of 9 ppmv @ 3% O_2 or a NO_x stack emission rate of 0.0110 lb/MMBtu.

   b. Carbon Monoxide (CO) Concentration Emission Limits: Emissions of CO from the temporary boiler subject to this permit shall not exceed a CO stack concentration of 50 ppmv at 3% O_2 or a CO stack emission rate of 0.0371 lb/MMBtu.

2. **Operational Restrictions.** The permitted equipment is subject to the following operational restrictions:

   a. Heat Input Limits: The hourly, daily, and annual heat input limits to the temporary boiler shall not exceed the values listed in Table 3. These limits are based on the design rating of the unit and the annual heat input value as listed in the permit application. Unless otherwise designated by the District, the following fuel heat contents shall be used for determining compliance: PUC Natural Gas = 1,050 Btu/scf.

   b. Public Utility Natural Gas Fuel Sulfur Limit: The total sulfur and hydrogen sulfide (H_2S) content (calculated as H_2S at standard conditions, 60 °F and 14.7 psia) of the public utility natural gas fuel shall not exceed 80 ppmv and 4 ppmv respectively. Compliance with this condition shall be based on billing records or other data showing that the fuel gas is obtained from a public utility gas company.

   c. Operational Timeline: The temporary boiler shall not operate more than 60 continuous days at the facility.

   d. Simultaneous Operations. The temporary boiler and Seattle boiler shall not operation simultaneously.

   e. Anhydrous Ammonia: This unit shall not operate with the usage of an anhydrous ammonia emissions control system. The use, storage or transportation of anhydrous ammonia at this facility is prohibited.

3. **Monitoring.** The permitted equipment is subject to the following monitoring requirements:

   a. Fuel Use Meter: The volume of PUC quality natural gas (in units of standard cubic feet) used shall be measured through the use of a dedicated District-approved calibrated non-resettable totalizing fuel meter. The meter shall be temperature and pressure corrected. The fuel meter shall be accurate to within five percent (5%) of the full scale reading. The meter shall be calibrated according to manufacturer's specifications and the calibration records shall be made available to the District upon request.

4. **Recordkeeping.** The following records shall be maintained by the permittee and shall be made available to the District upon request:

   a. The volume (scf) of PUC quality natural gas consumed each month in the temporary boiler.

   b. Maintenance logs for the temporary boiler, fuel flow meter, and low NO_x burner.

   c. Calibration records of the District-approved fuel use meter.

   d. Natural gas supplier's certification that its gas complies with Public Utilities Commission of the State of California General Order 58-A.

5. **Reporting.** By March 1st of each year, a written report documenting compliance with the terms and conditions of this permit for the previous calendar year shall be provided by the permittee to the District (Attn: *Annual Report Coordinator*). The report shall contain information necessary to verify compliance with the emission limits and other requirements of this permit. The report shall be in a format approved by the District. Compliance with all limitations and restrictions shall be documented in the submittals. All logs and other basic source data not included in the report shall be made available to the District upon request. The report shall include the following information:

   a. The monthly and annual volumes (scf) of gaseous fuel consumed each month in the temporary boiler.

   b. Maintenance logs for the boiler, emission control systems, and fuel flow meters.

   c. A copy of the natural gas supplier's certification that its gas complies with Public Utilities Commission of the State of California General Order 58-A.

6. **Initial Operations and District Inspection.** The permittee shall:

   a. Notify the District in writing (Attn: *Compliance Division*) of the initial equipment operation date. This notification shall be provided within 7 days of initial operations.

   b. Arrange for equipment inspection by contacting the District's *Compliance Supervisor*, no later than fourteen (14) calendar days after initial operations commence. The equipment inspection shall occur not more than thirty (30) calendar days (or other mutually agreed upon time period) after initial operations begins. This inspection is required to verify that the equipment and its operation are in compliance with District Rules and Permit Conditions.

   No more than 30 days after removing the temporary boiler from service, the permittee shall:

   c. Submit a report specifying the day the temporary boiler was placed into service, the day it was removed from service, and volume of natural gas consumed in it during each month it was in service.

   d. Submit a report describing the maintenance conducted on the Seattle Boiler. Specify all of the equipment that was serviced and all of the equipment that was replaced. Total the fixed capital cost of all new components and demonstrate that the fixed capital cost does not exceed 50% of the fixed capital cost of a comparable entirely new boiler.

7. **Sunset Clause.** This permit shall expire on December 31, 2019.

8. **Consistency with Analysis.** Operation under this permit shall be conducted consistent with all data, specifications and assumptions included with the application and supplements thereof (as documented in the District's project file) and the District's analyses under which this permit is issued as documented in the Permit Analyses prepared for and issued with the permit.

9. **Equipment Maintenance.** The equipment listed in this permit shall be properly maintained and kept in good condition at all times. The equipment manufacturer's maintenance manual, maintenance procedures and/or maintenance checklists (if any) shall be kept on site.

10. **Compliance.** Nothing contained within this permit shall be construed as allowing the violation of any local, state or federal rules, regulations, air quality standards or increments.

11. **Severability.** In the event that any condition herein is determined to be invalid, all other conditions shall remain in force.

12. **Conflict Between Permits.** The requirements or limits that are more protective of air quality shall apply if any conflict arises between the requirements and limits of this permit and any other permitting actions associated with the equipment permitted herein.

13. **Access to Records and Facilities.** As to any condition that requires for its effective enforcement the inspection of records or facilities by the District or its agents, the permittee shall make such records available or provide access to such facilities upon notice from the District. Access shall mean access consistent with California Health and Safety Code Section 41510 and Clean Air Act Section 114A.

14. **Equipment Identification.** Identifying tag(s) or name plate(s) shall be displayed on the equipment to show manufacturer, model number, and serial number. The tag(s) or plate(s) shall be affixed to the equipment in a permanent and conspicuous position.

15. **Emission Factor Revisions.** The District may update the emission factors for any calculation based on USEPA AP-42 or District emission factors at the next permit modification or permit reevaluation to account for USEPA and/or District revisions to the underlying emission factors.

16. **Nuisance.** Except as otherwise provided in Section 41705 of the California H&SC, no person shall discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health, or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.

17. **Grounds for Revocation.** Failure to abide by and faithfully comply with this permit or any Rule, Order, or Regulation may constitute grounds for revocation pursuant to California Health & Safety Code Section 42307 *et seq.*

18. **Transfer of Owner/Operator.** This permit is only valid for the owner and operator listed on this permit unless a *Transfer of Owner/Operator* application has been applied for and received by the District. Any transfer of ownership or change in operator shall be done in a manner as specified in District Rule 203. District Form –01T and the appropriate filing fee shall be submitted to the District within 30 days of the transfer.

AIR POLLUTION CONTROL OFFICER

APR 11 2019

DATE

Attachments:

- Table 1 – Mass Emission Limits
- Table 2 – Emission Standards
- Table 3 – Heat Input Limits
- Table 4 – Device Specific Requirements Summary
- Permit Equipment List(s)
- Permit Evaluation for Authority to Construct/Permit to Operate 15361

Notes:

- Stationary sources are subject to an annual emission fee (see Fee Schedule B-3 of Rule 210).
- Annual reports are due by March 1st of each year.

TABLE 1. MASS EMISSION LIMITS

Device ID #	NOx		ROC		CO		SOx		PM		PM10		PM2.5	
	lb/day	tpy	lb/day	tpy	lb/day	tpy	lb/day	tpy	lb/day	tpy	lb/day	tpy	lb/day	tpy
393358	4.20	0.13	2.06	0.06	14.16	0.42	5.22	0.16	2.86	0.09	2.86	0.09	2.86	0.09

TABLE 2. EMISSION STANDARDS

Device ID #	NOx	CO	Units	Basis
387607	9	50	ppmvd @ 3% O_2	Manufacturer Specifications

TABLE 3. HEAT INPUT LIMITS

Device ID #	Fuel	MMBtu/hr	MMBtu/day	MMBtu/yr
387607	Natural Gas - Utility	15.900	381.600	22,896.000

TABLE 4. DEVICE SPECIFIC REQUIREMENTS SUMMARY

Device ID #	Applicable Rule	Source Testing	Tune-Ups	Fuel Use Method	Low Use Exemption	BACT
387607	R342	No	None	Fuel Meter	No	Yes

PERMIT EQUIPMENT LIST - TABLE A

ATC/PTO 15361 / FID: 00037 Santa Maria Asphalt Refinery / SSID: 04640

A PERMITTED EQUIPMENT

1 Temporary Boiler

Device ID #	**393358**	***Device Name***	**Temporary Boiler**
Rated Heat Input	15.900 MMBtu/Hour	*Physical Size*	15.90 MMBtu/Hour
Manufacturer	Cleaver Brooks	*Operator ID*	
Model	CBI-200-350-150	*Serial Number*	
Location Note			
Device Description	Fired exclusively on PUC natural gas, equipped with a 15.900 MMBtu/hr Cleaver Brooks CBLE low NOx burner that meets 9 ppmv NOx and 50 ppmv CO at 3% oxygen, maximum of 60 days of operation		

air pollution control district
SANTA BARBARA COUNTY

PERMIT EVALUATION FOR
AUTHORITY TO CONSTRUCT/PERMIT TO OPERATE 15361

1.0 BACKGROUND

1.1 General: Seattle Boiler (Device ID: 387607) experienced a water leak in the fire box in early April 2019. This leak diminishes the boiler's ability to produce steam and requires repairs to prevent the complete failure of the unit. In order to prevent the complete shutdown of the refinery due to potential failure of the Seattle Boiler, California Asphalt Production submitted an application for a temporary boiler on April 10, 2019. The application for this equipment was deemed complete on April 10, 2019. The temporary boiler is only permitted to operate 60 days and this permit shall expire on December 31, 2019.

1.2 Permit History:

PERMIT	FINAL ISSUED	PERMIT DESCRIPTION
Reeval 08259 R10	05/11/2016	Tanks, heaters, pumps, asphalt loading/storage, light oil loading, naphtha loading, heavy vacuum gas oil, and Sulfatreat H_2S removal system reevaluation
PTO 14599	06/28/2016	Install new boiler to replace the existing #1 Muira boiler.
Reeval 11650 R4	08/28/2017	E/S generator reevaluation.
Reeval 11651 R4	11/15/2017	E/S generator reevaluation.
PTO Mod 14599 01	07/09/2018	Modify the burner associated with the Seattle boiler.
ATC/PTO 15241	07/09/2018	Install and operate a temporary engine.

1.3 Compliance History:

VIOLATION TYPE	NUMBER	ISSUE DATE	DESCRIPTION OF VIOLATION
NOV	10940	03/14/2016	District Rule 331 violation, District Rule 201 violation and two District Rule 206 violations.
NOV	10942	03/28/2016	District Rule 201 violation and District Rule 206 violation.
NOV	11104	09/07/2016	District Rule 206 violation.
NOV	11182	03/27/2017	District Rule 331 violation.
NOV	11195	07/12/2017	Four District Rule 206 violations and three District Rule 331 violations.
NOV	11253	10/30/2017	Five District Rule 206 violations and two District Rule 201 violations.
NOV	11334	03/28/2018	District Rule 326 I.1 violation and multiple District Rule 342 G.1 violations.
NOV	11335	03/28/2018	Multiple District Rule 206 violations and two District Rule 331 violations.
NOV	11336	03/28/2018	Multiple District Rule 206 violations.

VIOLATION TYPE	NUMBER	ISSUE DATE	DESCRIPTION OF VIOLATION
NOV	11337	05/02/2018	Multiple District Rule 206 violations.
NOV	11381	10/02/2018	District Rule 326 violation.
NOV	11382	10/19/2018	Two District Rule 206 violations.

2.0 ENGINEERING ANALYSIS

2.1 Equipment/Processes: The boiler is fired exclusively on PUC natural gas and provides steam to the refinery.

2.2 Emission Controls: This equipment is equipped with a Cleaver Brooks CBLE low NOx burner that meets 9 ppmv NO_x and 50 ppmv CO at 3% oxygen.

2.3 Emission Factors: Emission factors are documented in the attached emission calculation worksheets. The NO_x emission factor is based on emissions of 9 ppmv. The CO emission factor is based on emissions of 50 ppmv. ROC and PM_{10} emission factors are based on USEPA AP-42 (ref: Tables 1.4-1 and 1.4-2, July 1998). Mass balance is used for SO_x.

2.4 Reasonable Worst Case Emission Scenario: Annual heat input limit for boiler is based on maximum rated load and operation for 1,440 hours per year.

2.5 Emission Calculations: Detailed emission calculations and calculation spreadsheets may be found in Attachment A. These emissions define the Potential to Emit for the permitted equipment.

2.6 Special Calculations: There are no special calculations.

2.7 BACT Analyses: Best Available Control Technology was not required for this project.

2.8 Enforceable Operational Limits: The permit has enforceable operating conditions that ensure the equipment is operated properly.

2.9 Monitoring Requirements: Monitoring of the equipment's operational limits are required to ensure that these are enforceable. This permit requires monitoring the volume of gas burned in the boiler.

2.10 Recordkeeping and Reporting Requirements: The permit requires that the data which is monitored be recorded and reported to the District.

3.0 REEVALUATION REVIEW (not applicable)

4.0 REGULATORY REVIEW

4.1 Partial List of Applicable Rules:

Rule 201.	Permits Required
Rule 202.	Exemptions to Rule 201
Rule 205.	Standards for Granting Permits
Rule 301.	Circumvention
Rule 302.	Visible Emissions
Rule 303.	Nuisance
Rule 311.	Sulfur Content of Fuels
Rule 342.	Control of Oxides of Nitrogen (NO_x) from Boilers, Steam Generators, and Process Heaters
Rule 801.	New Source Review- Definitions and General Requirements
Rule 802.	New Source Review
Rule 809.	Federal Minor Source New Source Review
Rule 810.	Federal Prevention of Significant Deterioration

4.2 Rules Requiring Review: None.

5.0 AQIA

The project is not subject to the Air Quality Impact Analysis requirements of Regulation VIII.

6.0 OFFSETS/ERCs

6.1 Offsets: The Santa Maria Asphalt Refinery stationary source exceeds the offset thresholds of Regulation VIII for ROC and SO_x. However, this source did not become subject to the emission offset requirements of Regulation VIII until adoption of revised Rule 802 in August 2016. This permit does not authorize an increase of potential to emit at the stationary source because the Seattle Boiler has a higher potential to emit than the temporary boiler. The offset obligation will be reevaluated if the boiler subject to this permit added as a permanent piece of equipment.

6.2 ERCs: This source does not generate emission reduction credits.

7.0 AIR TOXICS

An air toxics health risk assessment was not performed for this permitting action.

8.0 CEQA / LEAD AGENCY

This project is exempt from CEQA pursuant to the Environmental Review Guidelines for the Santa Barbara County Air Pollution Control District (revised November 16, 2000). Appendix A (*District Projects Exempt from CEQA* and *Equipment or Operations Exempt from CEQA*) provides an exemption specifically projects relating exclusively to the repair, maintenance, or minor modification of existing facilities, equipment or source involving negligible or no expansion of use beyond that previously existing. No further action is necessary.

9.0 SCHOOL NOTIFICATION

A school notice pursuant to the requirements of Health and Safety Code Section 42301.6 was not required.

10.0 PUBLIC and AGENCY NOTFICATION PROCESS/COMMENTS ON DRAFT PERMIT

10.1 This project was not subject to public notice.

10.2 A draft permit was not issued.

11.0 FEE DETERMINATION

Fees for the District's work efforts are assessed on a fee basis. The Project Code is *320000* (*Boilers/Steam Generat./Turbine*). See Attachment C for the fee calculations.

12.0 RECOMMENDATION

It is recommended that this permit be granted with the conditions as specified in the permit.

Kevin Brown	April 10, 2019		4-11-19
AQ Engineer/Technician	Date	Supervisor	Date

13.0 ATTACHMENT(S)

A. Emission Calculations
B. IDS Tables
C. Fee Statement

ATTACHMENT A
Emission Calculations

BOILER AND STEAM GENERATOR EMISSION CALCULATIONS (Ver. 7.0)

Attachment: A-1
Permit Number: ATC/PTO 15361
Facility: Santa Maria Asphalt Refinery

Heater Input Data

Information	*Value*	*Units*	*Reference*
Maximum Hourly Heat Input.....	15.900	MMBtu/hr	Permit Application
Daily Operating Schedule.....	24	hrs/day	Permit Application
Maximum Daily Heat Input.....	381.600	MMBtu/day	Calculated value
Yearly Load Factor (%).....	16	%	Permit Application
Maximum Annual Heat Input.....	22,896.000	MMBtu/yr	Calculated value

Fuel Information

Information	*Value*	*Units*	*Reference*
Fuel.....	PUC N.G.	N/A	Permit Application
High Heating Value.....	1,050	Btu/scf	Permit Application
Sulfur Content of Fuel.....	80.00	ppmvd as H_2S	Permit Application

Emission Factors

Pollutant	*Value*	*Units*	*Reference*
NO_x Emission Factor.....	0.0110	lb/MMBtu	Manufacturer Guarantee (9 ppmvd @ 3% O_2)
ROC Emission Factor.....	0.0054	lb/MMBtu	AP-42, Section 1.4
CO Emission Factor.....	0.0371	lb/MMBtu	Manufacturer Guarantee (50 ppmvd @ 3% O_2)
SO_x Emission Factor.....	0.0137	lb/MMBtu	Mass Balance Calculation
PM Emission Factor	0.0075	lb/MMBtu	AP-42, Section 1.4
PM_{10} Emission Factor.....	0.0075	lb/MMBtu	AP-42, Section 1.4
$PM_{2.5}$ Emission Factor.....	0.0075	lb/MMBtu	AP-42, Section 1.4

Boiler/Steam Generator Potential to Emit

Pollutant	lb/day	TPY
NO_x	4.20	0.13
ROC	2.06	0.06
CO	14.16	0.42
SO_x	5.22	0.16
PM	2.86	0.09
PM_{10}	2.86	0.09
$PM_{2.5}$	2.86	0.09

Processed By: KMB

Date: April 10, 2019

ATTACHMENT A
Emission Calculations

PERMIT POTENTIAL TO EMIT

	NO_x	ROC	CO	SO_x	PM	PM_{10}	$PM_{2.5}$
lb/day	4.20	2.06	14.16	5.22	2.86	2.86	2.86
lb/hr							
TPQ							
TPY	0.13	0.06	0.42	0.16	0.09	0.09	0.09

FACILITY POTENTIAL TO EMIT

	NO_x	ROC	CO	SO_x	PM	PM_{10}	$PM_{2.5}$
lb/day	144.41	186.92	219.60	233.45	26.21	26.21	26.21
lb/hr							
TPQ							
TPY	22.40	31.66	37.63	41.01	4.44	4.44	4.44

STATIONARY SOURCE POTENTIAL TO EMIT

	NO_x	ROC	CO	SO_x	PM	PM_{10}	$PM_{2.5}$
lb/day	144.41	186.92	219.60	233.45	26.21	26.21	26.21
lb/hr							
TPQ							
TPY	22.40	31.66	37.63	41.01	4.44	4.44	4.44

Notes:
(1) Emissions in these tables are from IDS.
(2) Because of rounding, values in these tables shown as 0.00 are less than 0.005, but greater than zero.

ATTACHMENT C
Fee Statement

FEE STATEMENT
ATC/PTO No. 15361
FID: 00037 Santa Maria Asphalt Refinery / SSID: 04640

apcd
SANTA BARBARA COUNTY

Device Fee

Device No.	Device Name	Fee Schedule	Qty of Fee Units	Fee per Unit	Fee Units	Max or Min. Fee Apply?	Number of Same Devices	Pro Rate Factor	Device Fee	Penalty Fee?	Fee Credit	Total Fee per Device
393358	Temporary Boiler	A3	15.900	532.55	Per 1 million Btu input	Max	1	1.000	7,125.75	0.00	0.00	7,125.75
	Device Fee Sub-Totals =								**$7,125.75**	**$0.00**	**$0.00**	
	Device Fee Total =											**$7,125.75**

Permit Fee

Fee Based on Devices **$7,125.75**

Fee Statement Grand Total = $7,125

Notes:
(1) Fee Schedule Items are listed in District Rule 210, Fee Schedule "A".
(2) The term "Units" refers to the unit of measure defined in the Fee Schedule.

air pollution control district
SANTA BARBARA COUNTY

APR 1 1 2019

9171 9690 0935 0212 0471 66

Certified Mail
Return Receipt Requested

Stephen Ward
California Asphalt Production, Inc.
PO Box 5489
Santa Maria, CA 93456

FID: 00037
Permit: AP 15361
SSID: 04640

Re: Final Authority to Construct/Permit to Operate 15361
Fee Due: $ 7,125

Dear Mr. Ward:

Enclosed is the final Authority to Construct/Permit to Operate (ATC/PTO) No. 15361 for the installation and operation of a temporary boiler at 1660 Sinton Road in Santa Maria.

Please carefully review the enclosed documents to ensure that they accurately describe your facility and that the conditions are acceptable to you. Note that your permitted emission limits may, in the future, be used to determine emission fees.

You should become familiar with all District rules pertaining to your facility. This permit does not relieve you of any requirements to obtain authority or permits from other governmental agencies.

This permit requires you to:

- Pay a **fee** of $7,125, which is due immediately and is considered late after 30 calendar days from the date stamped on the permit. Pursuant to District Rule 210.IV.B, no appeal shall be heard unless all fees have been paid. See the attached invoice for more information.
- Follow the conditions listed on your permit. Pay careful attention to the recordkeeping and reporting requirements.
- Ensure that a copy of the enclosed permit is posted or kept readily available near the permitted equipment.
- Promptly report changes in ownership, operator, or your mailing address to the District.

If you are not satisfied with the conditions of this permit, **you have thirty (30) days from the date of this issuance to appeal this permit to the Air Pollution Control District Hearing Board** (ref: California Health and Safety Code, §42302.1). Any contact with District staff to discuss the terms of this permit will not stop or alter the 30-day appeal period.

Please include the facility identification (FID) and permit numbers as shown at the top of this letter on all correspondence regarding this permit. If you have any questions, please contact Kevin Brown of my staff at (805) 961-8826.

Sincerely,

Michael Goldman, Division Manager
Engineering Division

enc: Final ATC/PTO 15361
Final Permit Evaluation
Invoice # AP 15361
Air Toxics "Hot Spots" Fact Sheet District Form 12B
Start-up Notification Postcard

cc: Santa Maria Asphalt Refinery 00037 Project File
Engr Chron File
Accounting (Invoice only)
Kevin Brown (Cover letter only)

\\Nt\shares\Groups\ENGR\WP\Oil&Gas\GSD\SSID 04640 - SMRC Union Sugar\00037 Santa Maria Refinery\ATC-PTO 15361\ATC-PTO 15361 - Final Letter - 4-10-2019.docx

apcd
SANTA BARBARA COUNTY

Invoice: AP 15361
Date: APR 11 2019
Terms: Net 30 Days

320000/6600/3280

260 N San Antonio Rd, Suite A
Santa Barbara, CA 93110-1315

INVOICE

BILL TO:	FACILITY:
Stephen Ward California Asphalt Production, Inc. (110655) PO Box 5489 Santa Maria, CA 93456	Santa Maria Asphalt Refinery 00037 1660 Sinton Road Santa Maria

Permit: Authority to Construct/Permit to Operate (ATC/PTO) No. 15361

Fee Type: Permit Evaluation Fee (see the Fee Statement in your permit for a breakdown of the fees)

Amount Due: $ 7,125

REMIT PAYMENTS TO THE ABOVE ADDRESS
Please indicate the invoice number AP 15361
on your remittance.

IF YOU HAVE ANY QUESTIONS REGARDING YOUR INVOICE PLEASE CONTACT
OUR ADMINISTRATION DIVISION AT (805) 961-8800

The District charges $25 for returned checks. Other penalties/fees may be incurred as a result of returned checks and late payment (see District Rule 210). Failure to pay this Invoice may result in the cancellation or suspension of your permit. Please notify the District regarding any changes to the above information

Exhibit 7 e

Authority to Construct 15342

air pollution control district
SANTA BARBARA COUNTY

Authority to Construct 15342

EQUIPMENT OWNER:

California Asphalt Production, Inc.

EQUIPMENT OPERATOR:

California Asphalt Production, Inc.

EQUIPMENT LOCATION:

1660 Sinton Road, Santa Maria

STATIONARY SOURCE/FACILITY:

Santa Maria Asphalt Refinery

SSID: 04640
FID: 00037

AUTHORIZED MODIFICATION:

This permit revises the NO_x and CO emission factors of Asphalt Heater 1, Asphalt Heater 2, and Asphalt Heater 3 to comply with the requirements of Rule 361.D.1 emission standards. Additionally, restrictions have been placed on the Hot Oil Heater prior to the unit restarting operations.

EQUIPMENT DESCRIPTION:

The equipment subject to this permit is listed in the table at the end of this permit.

PROJECT/PROCESS DESCRIPTION:

Crude feedstock is transported to storage tanks and then to the flash and fractionator towers where the vapors and bottoms are separated eventually into naphtha, kerosene distillate, gas oil and asphalt. The asphalt can be used for paving, mixed with gas oil, or combined with water and emulsifiers to produce emulsified asphalt. Liquid asphalt is stored in heated tanks by asphalt heaters and loaded via loading racks. Naphtha, distillate and gas oil are also stored. Loading racks are used to transfer these products into trucks.

CONDITIONS:

1. **Emission Limitations.** The emissions from the equipment permitted herein shall not exceed the values listed in Table 1 and Table 2. Compliance shall be based on the operational, monitoring, recordkeeping and reporting conditions of this permit.

2. **Operational Restrictions.** The equipment permitted herein is subject to the following operational restrictions:

   a. *Heat Input Limits.* The hourly, daily and annual heat input limits to each unit shall not exceed the values listed in Table 3. These limits are based on the design rating of the unit and the annual heat input value as provided by the permittee. Unless otherwise designated by the District, the following fuel content shall be used for determining compliance: PUC Quality Natural Gas =1,050 Btu/scf.

   b. *Public Utility Natural Gas Fuel Sulfur Limit.* The total sulfur and hydrogen sulfide (H_2S) content (calculated as H_2S at standard conditions, 60 °F and 14.7 psia) of the public utility natural gas fuel shall not exceed 80 ppmv and 4 ppmv respectively. Compliance with this condition shall be based on billing records or other data showing that the fuel gas is obtained from a public utility gas company.

   c. *Approved Fuels:* Asphalt Heater 1, Asphalt Heater 2 and Asphalt Heater 3 shall only be fired on PUC quality natural gas.

3. **Monitoring.** The equipment permitted herein is subject to the following monitoring requirements:

   a. The volume of PUC quality natural gas (in units of scf) combusted in Asphalt Heater 1, Asphalt Heater 2 and Asphalt Heater 3 used shall be measured through the use of dedicated District-approved calibrated non-resettable totalizing fuel meters. The meters shall be temperature and pressure corrected. The fuel meters shall be accurate to within five percent (5%) of the full-scale reading. The meters shall be calibrated according to manufacturer's specifications and the calibration records shall be made available to the District upon request. The fuel meters shall be operated in accordance with the District-approved *Fuel Use Monitoring Plan (FUMP)*. As an alternative to temperature and pressure-corrected fuel meters, the permittee may propose, for District approval, a fuel metering system that accurately measures fuel use in terms of standard cubic feet. Such proposal shall be incorporated into the *Fuel Use Monitoring Plan.*

   b. *Compliance Determination.* The following compliance determinations are applicable to the units subject to this permit:

      i. New/Modified Units Rated Between 2.000 - 5.000 MMBtu/hr – Fired on Utility Natural Gas. Any owner or operator of any unit fired exclusively on utility natural gas shall be tuned-up pursuant to the requirements of Section I of Rule 361. The District may, at its discretion, require any owner or operator of any unit subject to

this rule to perform a source test per the test methods listed in Section J. An owner or operator may choose to comply with this section by performing District-approved source testing in lieu of tune-ups. Such source testing shall comply with the requirements of Section J.

ii. Rule 361 Non-Operational Test Firing. No tune-up is required during a calendar year for any unit subject to Rule 361 that is not operated during that calendar year. This unit may be test fired to verify availability of the unit for its intended use but once test firing is completed it shall be shutdown. If test firing exceeds 24 hours per year, then tune-ups shall follow the requirements of Rule 361.I.1.

c. Maintenance logs for the combustion units and fuel meters.

4. **Recordkeeping.** The permittee shall record and maintain the following information. This data shall be maintained for a minimum of five (5) years from the date of each entry and made available to the District upon request:

a. The volume (in units of scf) of PUC natural gas combusted each month and year in Asphalt Heater 1, Asphalt Heater 2 and Asphalt Heater 3.

b. *Tuning Records*. For units subject to Rule 361 tuning requirements, copies of all *Rule 361 Tune-Up Reports* as specified in Step 12 of Procedure A and/or Step 6 of Procedure B of the tuning Attachment to Rule 361.

c. *Rule 361 Non-Operational Test Firing*. A log that documents the date and number of hours that the unit was test fired in accordance with Rule 361.I.3.

d. Maintenance logs for the unit(s) and fuel meters.

e. Calibration records of District-approved meters.

f. Source test reports for all District-required stack emission tests.

5. **Reporting.** By March 1 of each year, a written report documenting compliance with the terms and conditions of this permit for the previous calendar year shall be provided by the permittee to the District (Attn: *Annual Report Coordinator*). The report shall contain information necessary to verify compliance with the emission limits and other requirements of this permit. The report shall be in a format approved by the District. All logs and other basic source data not included in the report shall be made available to the District upon request. The report shall include the following information:

a. The monthly and yearly volumes (in units of scf) of PUC natural gas combusted in Asphalt Heater 1, Asphalt Heater 2 and Asphalt Heater 3.

b. *Tune-Up Reports*. Tuning Records as required in the Recordkeeping Condition above.

c. *Rule 361 Test Firing Records.* A copy of the Rule 361 Non-Operational Test Firing log.

d. Maintenance logs for the units and fuel meters.

e. Copy of the most recent fuel meter calibrations.

f. Source test reports shall be submitted to the District within 45 days of test completion.

6. **Source Testing.** The following source testing provisions shall apply:

a. Source testing shall be performed initially during the Source Compliance Demonstration Period (SCDP) and upon District request thereafter. The permittee shall conduct source testing of air emissions and process parameters listed in Table 5 of this permit. More frequent source testing may be required if the equipment does not comply with permitted limitations or if other compliance problems, as determined by the District, occur.

b. The permittee shall submit a written source test plan to the District for approval at least thirty (30) days prior to initiation of each source test. The source test plan shall be prepared consistent with the District's Source Test Procedures Manual (revised May 1990 and any subsequent revisions). The permittee shall obtain written District approval of the source test plan prior to commencement of source testing. The District shall be notified at least ten (10) calendar days prior to the start of source testing activity to arrange for a mutually agreeable source test date when District personnel may observe the test.

c. Source test results shall be submitted to the District within forty-five (45) calendar days following the date of source test completion and shall be consistent with the requirements approved within the source test plan. Source test results shall document the permittee's compliance status with mass emission rates in Table 1 and applicable permit conditions, rules and NSPS (if applicable). For determining compliance with daily emission limits, the applicable pounds per day value in Table 1 shall be divided by 24 to convert to a "pounds per hour equivalent limit". If the source test pounds per hour result for a pollutant exceeds the "pounds per hour equivalent limit", then the source is not in compliance with the pounds per day permitted limit for the applicable pollutant. All District costs associated with the review and approval of all plans and reports and the witnessing of tests shall be paid by the permittee as provided for by District Rule 210.

d. A source test for an item of equipment shall be performed on the scheduled day of testing (the test day mutually agreed to) unless circumstances beyond the control of the operator prevent completion of the test on the scheduled day. Such circumstances include mechanical malfunction of the equipment to be tested, malfunction of the source test equipment, delays in source test contractor arrival and/or set-up, or unsafe conditions on site. Except in cases of an emergency, the operator shall seek and obtain District approval before deferring or discontinuing a scheduled test, or performing maintenance on the equipment item on the scheduled test day. If the test cannot be completed on the scheduled day, then the test shall be rescheduled for another time with prior authorization by the District. Once the sample probe has been inserted into the exhaust stream of the

equipment unit to be tested (or extraction of the sample has begun), the test shall proceed in accordance with the approved source test plan. In no case shall a test run be aborted except in the case of an emergency or unless approval is first obtained from the District. Failing to perform the source test of an equipment item on the scheduled test day without a valid reason and without District's authorization shall constitute a violation of this permit. If a test is postponed due to an emergency, written documentation of the emergency event shall be submitted to the District by the close of the business day following the scheduled test day.

The timelines in a, b, and c above may be extended for good cause provided a written request is submitted to the District at least three (3) days in advance of the deadline, and approval for the extension is granted by the District.

7. **Source Compliance Demonstration Period.** Equipment permitted herein is allowed to operate temporarily during the SCDP which ends on January 1, 2020. The issuance of this permit defines the start of SCDP. During the SCDP, the permittee shall comply with all operational, monitoring, recordkeeping and reporting requirements as specified in this permit.

   During the SCDP, the permittee shall:

   a. Begin recordkeeping as specified in the *Recordkeeping* condition of this permit.

   b. Arrange for District inspection not more than 30 calendar days (or other mutually agreed to time period) after the SCDP begins. An inspection can be arranged via e-mail to enfr@sbcapcd.org or by calling the District Compliance Division at (805) 961-8800. A minimum of three calendar days advance notice shall be given to the District. The Compliance Division may waive this inspection requirement if an initial inspection is deemed unnecessary to verify that the modifications authorized by this permit are in compliance with District rules and permit conditions.

   c. The permittee shall submit a source test plan for review and approval by the District no later than September 18, 2019 or at least 30 days before the source test, whichever is earlier.

   d. The permittee shall conduct source testing of Asphalt Heater 1, Asphalt Heater 2 and Asphalt Heater 3 in accordance with the *Source Testing* condition no later than October 18, 2019.

   e. Results of the source test shall be submitted to the District within 45 days after completion of the test or no later than December 2, 2019, whichever is earlier.

f. Submit a Permit to Operate (PTO) application and the appropriate filing fee no later than December 2, 2019, pursuant to District Rule 201.E.2. Upon the District's determination that the permit application is "complete", the permittee may continue temporary operations under the SCDP until such time the PTO is issued final or one year from the date of PTO application completeness, whichever occurs earlier. Failure to submit the PTO application within the specified time period shall constitute a violation of this permit.

g. On or before January 1, 2020, the permittee shall either demonstrate final compliance with the Rule 361.D.1 emission standards for Asphalt Heater 1, Asphalt Heater 2 and Asphalt Heater 3 or cease operation of the equipment.

SCDP extensions may be granted by the District for good cause. Such extensions may be subject to conditions. When good cause cannot be demonstrated, no administrative extension is available and the permittee shall cease operations. Alternatively, the permittee may submit an application to revise the ATC permit and upon the District finding the application complete the SCDP can be extended. A written request to extend the SCDP shall be made by the permittee at least seven days prior to the SCDP expiration date.

8. **Hot Oil Heater Operations**. The Hot Oil Heater (Device ID: 006240) is subject to the requirements of Rule 361. Except as provided for in item b. below, operation of this unit is prohibited. CAP shall maintain the unit in an out of service state in lieu of satisfying the requirements of Rule 361. An out of service state is defined as being completely disconnected from all fuel lines and process flow lines at all times. If, at any time, the unit does not meet this out of service definition, the unit shall be deemed in direct violation of the permit. In addition, the following requirements apply:

   a. Inspections: CAP shall inspect the Hot Oil Heater once per quarter per to confirm that all lines remain disconnected. Each inspection shall be recorded in a log which shall include the date of inspection, the unit identification number, the name of the person completing the inspection, and the signature of the responsible official confirming the inspection has been completed and that the unit was not operated.

   b. Operation: Prior to operating the unit identified in this condition, CAP shall submit an application for an Authority to Construct (ATC) permit and obtain an ATC permit for operation of the unit in compliance with Rule 361.

9. **Consistency with Analysis.** Operation under this permit shall be conducted consistent with all data, specifications and assumptions included with the application and supplements thereof (as documented in the District's project file) and the District's analyses under which this permit is issued as documented in the Permit Analyses prepared for and issued with the permit.

10. **Equipment Maintenance.** The equipment listed in this permit shall be properly maintained and kept in good condition at all times. The equipment manufacturer's maintenance manual, maintenance procedures and/or maintenance checklists (if any) shall be kept on site.

11. **Compliance.** Nothing contained within this permit shall be construed as allowing the violation of any local, state or federal rules, regulations, air quality standards or increments.

12. **Severability.** In the event that any condition herein is determined to be invalid, all other conditions shall remain in force.

13. **Conflict Between Permits.** The requirements or limits that are more protective of air quality shall apply if any conflict arises between the requirements and limits of this permit and any other permitting actions associated with the equipment permitted herein.

14. **Access to Records and Facilities.** As to any condition that requires for its effective enforcement the inspection of records or facilities by the District or its agents, the permittee shall make such records available or provide access to such facilities upon notice from the District. Access shall mean access consistent with California Health and Safety Code Section 41510 and Clean Air Act Section 114A.

15. **Equipment Identification.** Identifying tag(s) or name plate(s) shall be displayed on the equipment to show manufacturer, model number, and serial number. The tag(s) or plate(s) shall be affixed to the equipment in a permanent and conspicuous position.

16. **Emission Factor Revisions.** The District may update the emission factors for any calculation based on USEPA AP-42 or District emission factors at the next permit modification or permit reevaluation to account for USEPA and/or District revisions to the underlying emission factors.

17. **Nuisance.** Except as otherwise provided in Section 41705 of the California H&SC, no person shall discharge from any source whatsoever such quantities of air contaminants or other material which cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or which endanger the comfort, repose, health, or safety of any such persons or the public, or which cause, or have a natural tendency to cause, injury or damage to business or property.

18. **Grounds for Revocation.** Failure to abide by and faithfully comply with this permit or any Rule, Order, or Regulation may constitute grounds for revocation pursuant to California Health & Safety Code Section 42307 *et seq.*

19. **Transfer of Owner/Operator.** This permit is only valid for the owner and operator listed on this permit unless a *Transfer of Owner/Operator* application has been applied for and received by the District. Any transfer of ownership or change in operator shall be done in a manner as specified in District Rule 203. District Form –01T and the appropriate filing fee shall be submitted to the District within 30 days of the transfer.

20. **Documents Incorporated by Reference.** The documents listed below, including any District-approved updates thereof, are incorporated herein and shall have the full force and effect of a permit condition. These documents shall be implemented for the life of the project:

    a. *Fuel Use Monitoring Plan (approved November 2015)*

AIR POLLUTION CONTROL OFFICER

AUG 13 2019

DATE

Attachments:

- Table 1 – Mass Emission Limits
- Table 2 – Emission Standards
- Table 3 – Heat Input Limits
- Table 4 – Device Specific Requirements Summary
- Permit Equipment List(s)
- Permit Evaluation for Authority to Construct 15342

Notes:

- This permit is valid for one year from the date stamped above if unused.

TABLE 1. MASS EMISSION LIMITS

Device ID #	NO_x		ROC		CO		SO_x		PM		PM_{10}		$PM_{2.5}$	
	lb/day	tpy	lb/day	tpy	lb/day	tpy	lb/day	tpy	lb/day	tpy	lb/day	tpy	lb/day	tpy
000348	3.94	0.69	0.58	0.10	32.02	5.60	1.48	0.26	0.81	0.14	0.81	0.14	0.81	0.14
005833	3.94	0.69	0.58	0.10	32.02	5.60	1.48	0.26	0.81	0.14	0.81	0.14	0.81	0.14
000349	3.07	0.43	0.45	0.06	24.91	3.49	1.15	0.16	0.63	0.09	0.63	0.09	0.63	0.09
TOTAL	**10.95**	**1.81**	**1.62**	**0.27**	**88.95**	**14.69**	**4.10**	**0.68**	**2.25**	**0.37**	**2.25**	**0.37**	**2.25**	**0.37**

TABLE 2. EMISSION STANDARDS

Device ID #	NO_x	CO	Units	Basis
000348	30	400	ppmvd @ 3% O_2	Rule 361
005833	30	400	ppmvd @ 3% O_2	Rule 361
000349	30	400	ppmvd @ 3% O_2	Rule 361

TABLE 3. HEAT INPUT LIMITS

Device ID #	Fuel	MMBtu/hr	MMBtu/day	MMBtu/yr
000348	Natural Gas - Utility	4.500	108.000	37,800.000
005833	Natural Gas - Utility	4.500	108.000	37,800.000
000349	Natural Gas - Utility	3.500	84.000	23,520.000

TABLE 4. DEVICE SPECIFIC REQUIREMENTS SUMMARY

Device ID #	Applicable Rule	Source Testing	Tune-Ups	Fuel Use Method	Low Use Exemption	BACT
000348	R361	Initial and Upon District Request Thereafter	Biannual After January 1, 2020	Fuel Meter	No	No
005833	R361	Initial and Upon District Request Thereafter	Biannual After January 1, 2020	Fuel Meter	No	No
000349	R361	Initial and Upon District Request Thereafter	Biannual After January 1, 2020	Fuel Meter	No	No

Table Notes:

(a) Units subject to Rule 342 may comply with either the ppmvd or lb/MMBtu standards of the Rule.
(b) NO_x as NO_2, SO_x as SO_2, lb/day = pounds per day, tpy = tons per year
(c) Device ID # from permit equipment list.
(d) Emission data that round down to 0.00 has been set to a default of 0.01.

TABLE 5. SOURCE TESTING REQUIREMENTS

Emission & Limit Test Points	Pollutants	Parameters	Test Methods [a]
Unit Stack [b][c][d][e]	NO_x	ppmv, lb/hr	EPA Method 7E, CARB 100
	CO	ppmv, lb/hr	EPA Method 10, CARB 100
	Sampling Point Det.		EPA Method 1
	Stack Gas Flow Rate		EPA Method 2 or 19
	O_2, CO_2, Dry MW		EPA Method 3
	Moisture Content		EPA Method 4
	Stack Temperature	°F	Calibrated Thermocouple
Fuel Gas [h]	Fuel Gas Flow Rate		Fuel Gas Meter [f]
	Higher Heating Value	Btu/lb	ASTM D 1826 or 3588
	Total Sulfur Content	ppmw	ASTM D 1072 or 5504 [g]
	Gas Composition	CHONS%, F-factor	ASTM 1945

Notes:

(a) Alternative methods may be acceptable on a case-by-case basis.
(b) The emission rates shall be based on EPA Methods 2 and 4, or Method 19 along with the heat input rate.
(c) For NO_x, CO and O_2 a minimum of three 30-minute runs shall be obtained during each test.
(d) See Tables 1 and 2 for the emission standards to be measured against during the test. Measured NO_x and CO shall not exceed the limit specified in the applicable Rule (e.g., Rule 361, Rule 342).
(e) All emission determinations shall be made in the as-found operating condition, at the maximum attainable firing rate to be approved by the source test plan. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer.
(f) Fuel meter shall meet the calibration requirements prior to testing.
(g) Total sulfur content fuel samples shall be obtained using EPA Method 18 with Tedlar Bags (or equivalent) equipped with Teflon tubing and fittings. Turnaround time for laboratory analysis of these samples shall be no more than 24 hours from sampling.
(h) Fuel gas heating value and composition are optional for Rule 361 applicable units. Sulfur content only required for units not run on utility purchased gas. For units rated at 5 MMBtu/hr or greater, heating value is required in all cases, but gas composition not required if Method 2 is used for stack flow

PERMIT EQUIPMENT LIST - TABLE A

ATC 15342 / FID: 00037 Santa Maria Asphalt Refinery / SSID: 04640

A PERMITTED EQUIPMENT

1 Asphalt Heater 1

Device ID #	**000348**	***Device Name***	**Asphalt Heater 1**
Rated Heat Input	4.500 MMBtu/Hour	*Physical Size*	4.50 MMBtu/Hour
Manufacturer		*Operator ID*	AH-1
Model		*Serial Number*	
Location Note			
Device Description	Fired on PUC quality natural gas, equipped with John Zink burner, custom built, equipped with fuel meter		

2 Asphalt Heater 2

Device ID #	**005833**	***Device Name***	**Asphalt Heater 2**
Rated Heat Input	4.500 MMBtu/Hour	*Physical Size*	4.50 MMBtu/Hour
Manufacturer		*Operator ID*	AH-2
Model		*Serial Number*	
Location Note			
Device Description	Fired on PUC quality natural gas, equipped with John Zink burner, equipped with fuel meter		

3 **Asphalt Heater 3**

Device ID #	**000349**	***Device Name***	**Asphalt Heater 3**
Rated Heat Input	3.500 MMBtu/Hour	*Physical Size*	3.50 MMBtu/Hour
Manufacturer		*Operator ID*	AH-3
Model		*Serial Number*	
Location Note			
Device Description	Fired on PUC quality natural gas, equipped with Leahy burner, custom built, equipped with fuel meter		

4 **Hot Oil Heater**

Device ID #	**006240**	***Device Name***	**Hot Oil Heater**
Rated Heat Input	4.000 MMBtu/Hour	*Physical Size*	4.00 MMBtu/Hour
Manufacturer	CEI Enterprises	*Operator ID*	
Model	CEI-4000	*Serial Number*	
Location Note			
Device Description	Fired primarily on field gas, PUC quality natural gas is back-up fuel, equipped with a PowerFlame low-NOx burner, derated unit		

air pollution control district
SANTA BARBARA COUNTY

PERMIT EVALUATION FOR AUTHORITY TO CONSTRUCT 15342

1.0 BACKGROUND

1.1 General: Santa Maria Asphalt Refinery submitted the permit application for ATC 15342 on February 14, 2019. This application was to modify three existing asphalt heater's NO_x and CO emission factors to comply with the new Rule 361 standards prior to the January 1, 2020 deadline. The District deemed the application complete on February 20, 2019. The SCDP condition of this permit requires that the permittee conduct source testing of the three asphalt heaters in order to show that the equipment complies with the Rule 361.D.1 emission standards on or before January 1, 2020. After January 1, 2020, the existing equipment becomes subject to the Rule emission limits and biannual tuning requirements. Operational restrictions have been added to the Hot Oil Heater until compliance with Rule 361 is shown.

1.2 Permit History:

PERMIT	FINAL ISSUED	PERMIT DESCRIPTION
PTO 14599	06/28/2016	Install new boiler to replace the existing #1 Muira boiler.
Reeval 11650 R4	08/28/2017	Reevaluation
Reeval 11651 R4	11/15/2017	CAT 3306 (266 bhp) located at the SM Refinery
PTO Mod 14599 01	07/09/2018	Modify the burner associated with the Seattle boiler.
ATC/PTO 15241	07/09/2018	Install and operate a temporary engine.
ATC/PTO 15361	04/11/2019	Install and operate a temporary boiler.
Reeval 08259 R11	05/24/2019	Tanks, heaters, pumps, asphalt loading/storage, light oil loading, naphtha loading, heavy vacuum gas oil, and Sulfatreat removal system

1.3 Compliance History:

VIOLATION TYPE	NUMBER	ISSUE DATE	DESCRIPTION OF VIOLATION
NOV	11104	09/07/2016	District Rule 206 violation.
NOV	11182	03/27/2017	District Rule 331 violation.
NOV	11195	07/12/2017	Four District Rule 206 violations and three District Rule 331 violations.
NOV	11253	10/30/2017	Five District Rule 206 violations and two District Rule 201 violations.
NOV	11334	03/28/2018	District Rule 326 I.1 violation and multiple District Rule 342 G.1 violations.
NOV	11335	03/28/2018	Multiple District Rule 206 violations and two District Rule 331 violations.
NOV	11336	03/28/2018	Multiple District Rule 206 violations.

VIOLATION TYPE	NUMBER	ISSUE DATE	DESCRIPTION OF VIOLATION
NOV	11337	05/02/2018	Multiple District Rule 206 violations.
NOV	11381	10/02/2018	District Rule 326 violation.
NOV	11382	10/19/2018	Two District Rule 206 violations.
NOV	11573	05/28/2019	District Rule 331 violation.

2.0 ENGINEERING ANALYSIS

2.1 Equipment/Processes: Liquid paving asphalt is stored in the asphalt tank farm between 275 °F and 360 °F. Asphalt storage tank temperatures are maintained by steam coils located near the tank bottoms or by circulating through gas-fired asphalt heaters. The asphalt is loaded into tank cars or trucks at 400 °F via loading racks.

2.2 Emission Controls: No emission controls are used.

2.3 Emission Factors: The units' emission factors are based on the Rule 361 limits for NO_x and CO, USEPA AP-42 (ref: Table 1.4-2, July 1998) for ROC, PM, PM_{10} and $PM_{2.5}$, and mass balance for SO_x.

2.4 Reasonable Worst Case Emission Scenario: The worst-case operational scenario is summarized as follows:

- Asphalt Heater 1, Asphalt Heater 2, Asphalt Heater, Seattle Boiler, and Hot Oil Heater are fired on PUC quality natural gas.
- The PUC quality natural gas incinerated at the facility shall not exceed 80 ppmv (as H2S).
- Annual heat input limits for the combustion equipment do not exceed the values found in Table 3.

2.5 Emission Calculations: Detailed emission calculations and calculation spreadsheets may be found in Attachment A. These emissions define the Potential to Emit for the permitted equipment.

2.6 Special Calculations: There are no special calculations.

2.7 BACT Analyses: Best Available Control Technology was not required for this project.

2.8 Enforceable Operational Limits: The permit has enforceable operating conditions that ensure the equipment is operated properly.

2.9 Monitoring Requirements: Monitoring of the equipment's operational limits are required to ensure that these are enforceable.

2.10 Recordkeeping and Reporting Requirements: The permit requires that the data which is monitored be recorded and reported to the District.

3.0 REEVALUATION REVIEW (not applicable)

4.0 REGULATORY REVIEW

4.1 Partial List of Applicable Rules:

Rule 201.	Permits Required
Rule 202.	Exemptions to Rule 201
Rule 205.	Standards for Granting Permits
Rule 301.	Circumvention
Rule 302.	Visible Emissions
Rule 303.	Nuisance
Rule 311.	Sulfur Content of Fuels
Rule 361.	Small Boilers, Steam Generators, and Process Heaters
Rule 801.	New Source Review- Definitions and General Requirements
Rule 802.	New Source Review
Rule 809.	Federal Minor Source New Source Review
Rule 810.	Federal Prevention of Significant Deterioration

4.2 Rules Requiring Review:

4.2.1 *Rule 361 - Small Boilers, Steam Generators, and Process Heaters*: Section D.1 requires that any new or modified unit or, after January 1, 2020, any existing unit, may not exceed 30 ppmv at 3% O_2 of NO_x and 400 ppmv at 3% O_2 of CO. Source testing of Asphalt Heater 1, Asphalt Heater 2, and Asphalt Heater 3 is required during the SCDP in order to demonstrate compliance with the emission standards of the Rule on or before January 1, 2020.

5.0 AQIA

The project is not subject to the Air Quality Impact Analysis requirements of Regulation VIII..

6.0 OFFSETS/ERCs

6.1 Offsets: The Santa Maria Asphalt Refinery stationary source exceeds the offset thresholds of Regulation VIII for ROC and SO_x. This permit does not authorize an increase of ROC or SO_x potential to emit at the stationary source. Therefore, offsets are not required for this permitting action.

6.2 ERCs: This source does not generate emission reduction credits.

7.0 AIR TOXICS

An air toxics health risk assessment was not performed for this permitting action.

8.0 CEQA / LEAD15342 AGENCY

The District is the lead agency under CEQA for this project. This project is exempt from CEQA pursuant to the Environmental Review Guidelines for the Santa Barbara County APCD (revised April 30, 2015). Appendix A (*APCD Projects Exempt from CEQA* and *Equipment or Operations Exempt from CEQA*) provides an exemption specifically for projects undertaken for the sole purpose of bringing an existing source into compliance with newly adopted regulatory requirements of the APCD or any other local, state or federal agency. No further action is necessary.

9.0 SCHOOL NOTIFICATION

A school notice pursuant to the requirements of Health and Safety Code Section 42301.6 was not required.

10.0 PUBLIC and AGENCY NOTFICATION PROCESS/COMMENTS ON DRAFT PERMIT

10.1 This project was not subject to public notice.

10.2 The permittee had no comments on the draft permit.

11.0 FEE DETERMINATION

Fees for the District's work efforts are assessed on a fee basis. The Project Code is *320000* (*Boilers/Steam Generat./Turbine*). See Attachment C for the fee calculations.

12.0 RECOMMENDATION

It is recommended that this permit be granted with the conditions as specified in the permit.

Kevin Brown	August 12, 2019		8/12/19
AQ Engineer/Technician	Date	Supervisor	Date

13.0 ATTACHMENT(S)

A. Emission Calculations
B. IDS Tables
C. Fee Statement

Authority to Construct 15342

ATTACHMENT A
Emission Calculations

ASPHALT HEATER 1 EMISSION CALCULATIONS (Ver. 7.0)

Attachment: A-1
Permit Number: ATC 15342
Facility: Santa Maria Asphalt Refinery

Heater Input Data

Information	*Value*	*Units*	*Reference*
Maximum Hourly Heat Input.....	4.500	MMBtu/hr	Permit Application
Daily Operating Schedule.....	24	hrs/day	Permit Application
Maximum Daily Heat Input.....	108.000	MMBtu/day	Calculated value
Maximum Annual Heat Input.....	37,800.000	MMBtu/yr	Calculated value

Fuel Information

Information	*Value*	*Units*	*Reference*
Fuel.....	PUC N.G.	N/A	Permit Application
High Heating Value.....	1,050	Btu/scf	Permit Application
Sulfur Content of Fuel.....	80.00	ppmvd as H_2S	Permit Application

Emission Factors

Pollutant	*Value*	*Units*	*Reference*
NO_x Emission Factor.....	0.0365	lb/MMBtu	Rule 361 (30 ppmv @ 3% O_2)
ROC Emission Factor.....	0.0054	lb/MMBtu	AP-42, Section 1.4
CO Emission Factor.....	0.2965	lb/MMBtu	Rule 361 (400 ppmv @ 3% O_2)
SO_x Emission Factor.....	0.0137	lb/MMBtu	Mass Balance Calculation
PM Emission Factor	0.0075	lb/MMBtu	AP-42, Section 1.4
PM_{10} Emission Factor.....	0.0075	lb/MMBtu	AP-42, Section 1.4
$PM_{2.5}$ Emission Factor.....	0.0075	lb/MMBtu	AP-42, Section 1.4

Boiler/Steam Generator Potential to Emit

Pollutant	lb/day	TPY
NO_x	3.94	0.69
ROC	0.58	0.10
CO	32.02	5.60
SO_x	1.48	0.26
PM	0.81	0.14
PM_{10}	0.81	0.14
$PM_{2.5}$	0.81	0.14

Processed By: KMB

Date: June 19, 2019

ATTACHMENT A
Emission Calculations

ASPHALT HEATER 2 EMISSION CALCULATIONS (Ver. 7.0)

Attachment: A-2
Permit Number: ATC 15342
Facility: Santa Maria Asphalt Refinery

Heater Input Data

Information	*Value*	*Units*	*Reference*
Maximum Hourly Heat Input.....	4.500	MMBtu/hr	Permit Application
Daily Operating Schedule.....	24	hrs/day	Permit Application
Maximum Daily Heat Input.....	108.000	MMBtu/day	Calculated value
Maximum Annual Heat Input.....	37,800.000	MMBtu/yr	Calculated value

Fuel Information

Information	*Value*	*Units*	*Reference*
Fuel.....	PUC N.G.	N/A	Permit Application
High Heating Value.....	1,050	Btu/scf	Permit Application
Sulfur Content of Fuel.....	80.00	ppmvd as H_2S	Permit Application

Emission Factors

Pollutant	*Value*	*Units*	*Reference*
NO_x Emission Factor.....	0.0365	lb/MMBtu	Rule 361 (30 ppmv @ 3% O_2)
ROC Emission Factor.....	0.0054	lb/MMBtu	AP-42, Section 1.4
CO Emission Factor.....	0.2965	lb/MMBtu	Rule 361 (400 ppmv @ 3% O_2)
SO_x Emission Factor.....	0.0137	lb/MMBtu	Mass Balance Calculation
PM Emission Factor	0.0075	lb/MMBtu	AP-42, Section 1.4
PM_{10} Emission Factor.....	0.0075	lb/MMBtu	AP-42, Section 1.4
$PM_{2.5}$ Emission Factor.....	0.0075	lb/MMBtu	AP-42, Section 1.4

Boiler/Steam Generator Potential to Emit

Pollutant	lb/day	TPY
NO_x	3.94	0.69
ROC	0.58	0.10
CO	32.02	5.60
SO_x	1.48	0.26
PM	0.81	0.14
PM_{10}	0.81	0.14
$PM_{2.5}$	0.81	0.14

Processed By: KMB

Date: June 19, 2019

ATTACHMENT A
Emission Calculations

ASPHALT HEATER 3 EMISSION CALCULATIONS (Ver. 7.0)

Attachment: A-3
Permit Number: ATC 15342
Facility: Santa Maria Asphalt Refinery

Heater Input Data

Information	*Value*	*Units*	*Reference*
Maximum Hourly Heat Input.....	3.500	MMBtu/hr	Permit Application
Daily Operating Schedule.....	24	hrs/day	Permit Application
Maximum Daily Heat Input.....	84.000	MMBtu/day	Calculated value
Maximum Annual Heat Input.....	23,520.000	MMBtu/yr	Calculated value

Fuel Information

Information	*Value*	*Units*	*Reference*
Fuel.....	PUC N.G.	N/A	Permit Application
High Heating Value.....	1,050	Btu/scf	Permit Application
Sulfur Content of Fuel.....	80.00	ppmvd as H_2S	Permit Application

Emission Factors

Pollutant	*Value*	*Units*	*Reference*
NO_x Emission Factor.....	0.0365	lb/MMBtu	Rule 361 (30 ppmv @ 3% O_2)
ROC Emission Factor.....	0.0054	lb/MMBtu	AP-42, Section 1.4
CO Emission Factor.....	0.2965	lb/MMBtu	Rule 361 (400 ppmv @ 3% O_2)
SO_x Emission Factor.....	0.0137	lb/MMBtu	Mass Balance Calculation
PM Emission Factor	0.0075	lb/MMBtu	AP-42, Section 1.4
PM_{10} Emission Factor.....	0.0075	lb/MMBtu	AP-42, Section 1.4
$PM_{2.5}$ Emission Factor.....	0.0075	lb/MMBtu	AP-42, Section 1.4

Boiler/Steam Generator Potential to Emit

Pollutant	lb/day	TPY
NO_x	3.07	0.43
ROC	0.45	0.06
CO	24.91	3.49
SO_x	1.15	0.16
PM	0.63	0.09
PM_{10}	0.63	0.09
$PM_{2.5}$	0.63	0.09

Processed By: KMB

Date: June 19, 2019

Authority to Construct 15342

ATTACHMENT B
IDS Tables

PERMIT POTENTIAL TO EMIT

	NO_x	ROC	CO	SO_x	PM	PM_{10}	$PM_{2.5}$
lb/day	10.95	1.62	88.95	4.10	2.25	2.25	2.25
lb/hr							
TPQ							
TPY	1.81	0.27	14.69	0.68	0.37	0.37	0.37

FACILITY POTENTIAL TO EMIT

	NO_x	ROC	CO	SO_x	PM	PM_{10}	$PM_{2.5}$
lb/day	125.96	186.92	233.45	233.45	26.21	26.21	26.21
lb/hr							
TPQ							
TPY	18.84	31.63	47.84	40.94	4.40	4.40	4.40

STATIONARY SOURCE POTENTIAL TO EMIT

	NO_x	ROC	CO	SO_x	PM	PM_{10}	$PM_{2.5}$
lb/day	125.96	186.92	233.45	233.45	26.21	26.21	26.21
lb/hr							
TPQ							
TPY	18.84	31.63	47.84	40.94	4.40	4.40	4.40

Notes:
(1) Emissions in these tables are from IDS.
(2) Because of rounding, values in these tables shown as 0.00 are less than 0.005, but greater than zero.

ATTACHMENT C
Fee Statement

FEE STATEMENT
ATC No. 15342
FID: 00037 Santa Maria Asphalt Refinery / SSID: 04640

apcd
SANTA BARBARA COUNTY

Permit Fee

Admin Change	**$458.00**

Fee Statement Grand Total = $458

Notes:
(1) Fee Schedule Items are listed in District Rule 210, Fee Schedule "A".
(2) The term "Units" refers to the unit of measure defined in the Fee Schedule.

air pollution control district
SANTA BARBARA COUNTY

AUG 13 2019

Certified Mail 9171 9690 0935 0222 7125 97
Return Receipt Requested

Julio Corona
California Asphalt Production, Inc.
PO Box 1220
Santa Maria, CA 93456

FID: 00037
Permit: A 15342
SSID: 04640

Re: Notice of Final Authority to Construct 15342 Issuance
Fee Due: $ 458

Dear Mr. Corona:

Enclosed is the final Authority to Construct (ATC) No. 15342 for revisions to the facility asphalt heaters and hot oil heater emission limits to be consistent with Rule 361 requirements at 1660 Sinton Road in Santa Maria.

THIS IS NOT YOUR PERMIT TO OPERATE. PLEASE READ ALL PERMIT CONDITIONS CAREFULLY.

Please carefully review the enclosed documents to ensure that they accurately describe your facility and that the conditions are acceptable to you.

You should become familiar with all District rules pertaining to your facility. This permit does not relieve you of any requirements to obtain authority or permits from other governmental agencies.

This permit requires you to:

- Pay a **fee** of $458, which is due immediately and is considered late after 30 calendar days from the date stamped on the permit. Pursuant to District Rule 210.IV.B, no appeal shall be heard unless all fees have been paid. See the attached invoice for more information.
- Follow the conditions listed on your permit. Pay careful attention to the recordkeeping and reporting requirements.
- Mail us the enclosed Start-up Notification postcard once you have completed construction of the permitted equipment and are ready to operate it.
- Apply for and obtain a Permit to Operate prior to commencing routine equipment operation.
- Ensure that a copy of the enclosed permit is posted or kept readily available near the permitted equipment.
- Promptly report changes in ownership, operator, or your mailing address to the District.

If you are not satisfied with the conditions of this permit, **you have thirty (30) calendar days from the date of this permit issuance notice to appeal this permit to the Air Pollution Control District Hearing Board** (ref: California Health and Safety Code, §42302.1). Any contact, discussions, or meetings with District staff regarding the terms of this permit during or after permit issuance do not constitute an appeal under Rule 209 or the California H&SC and will not stop or alter the 30-day appeal period. Only a formal application to the Hearing Board can initiate an appeal. You may contact the Clerk of the Hearing Board for specific information concerning appeal initiation and procedures. If you accept the permit by commencing construction or operation of the newly permitted equipment, you forfeit any right to pursue an appeal of this permit action.

Please include the facility identification (FID) and permit numbers as shown at the top of this letter on all correspondence regarding this permit. If you have any questions, please contact Kevin Brown of my staff at (805) 961-8826.

Sincerely,

Michael Goldman, Division Manager
Engineering Division

enc: Final ATC 15342
Final Permit Evaluation
Invoice # A 15342
Start-up Notification Postcard

cc: Santa Maria Asphalt Refinery 00037 Project File
Engr Chron File
Accounting (Invoice only)
Kevin Brown (Cover letter only)

\\sbcapcd.org\shares\Groups\ENGR\WP\Boilers\ATC\ATC 15342\ATC 15342 - Final Letter - 8-12-2019.docx

air pollution control district
SANTA BARBARA COUNTY

260 N San Antonio Rd, Suite A
Santa Barbara, CA 93110-1315

Invoice: A 15342
Date: AUG 13 2019
Terms: Net 30 Days

320000/6600/3280

INVOICE

BILL TO:	FACILITY:
Alfonso Rodriguez California Asphalt Production, Inc. (110655) PO Box 5489 Santa Maria, CA 93456	Santa Maria Asphalt Refinery 00037 1660 Sinton Road Santa Maria

Permit: Authority to Construct (ATC) No. 15342

Fee Type: Permit Evaluation Fee (see the Fee Statement in your permit for a breakdown of the fees)

Amount Due: $ 458

REMIT PAYMENTS TO THE ABOVE ADDRESS
Please indicate the invoice number A 15342
on your remittance.

IF YOU HAVE ANY QUESTIONS REGARDING YOUR INVOICE PLEASE CONTACT
OUR ADMINISTRATION DIVISION AT (805) 961-8800

The District charges $25 for returned checks. Other penalties/fees may be incurred as a result of returned checks and late payment (see District Rule 210). Failure to pay this Invoice may result in the cancellation or suspension of your permit. Please notify the District regarding any changes to the above information

EXHIBIT 8

Return to Sender Not Deliverable As Addressed

an Ant
arbarc.
1-8800

NIXIE 910 7E 1 7211/15/20
RETURN TO SENDER
NOT DELIVERABLE AS ADDRESSED
UNABLE TO FORWARD
BC: 93110131560 2347N320191-0023 9

50 8973 58

US POSTAGE $000.05-

ZIP 93110
041M11458512

NAME _____
1ST NOTICE _____
2ND NOTICE _____
RETURN 11/8

10/23

Mr. Julio Corona
California Asphalt Production, Inc.
PO Box 1220
Santa Maria, CA 93456

NAME _____
1ST NOTICE _____
2ND NOTICE _____
RETURN _____