



OCT 02 2014

Mr. David Campbell
San Joaquin Refining Co., Inc.
3542 Shell Street
Bakersfield, CA 93308

Re: Notice of Minor Title V Permit Modification
District Facility # S-36
Project # S-1143671

Dear Mr. Campbell:

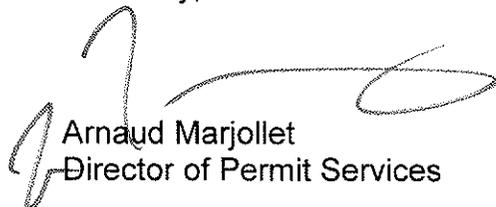
Enclosed is the District's analysis of your application for minor Title V permit modification for the facility identified above. You proposed a Title V minor permit modification to incorporate recently issued ATC S-36-117-0 into the Title V operating permit. The proposed boiler will temporarily replace the Wickes boiler listed in permit S-36-41-16 while the Wickes boiler undergoes maintenance or repair. The proposed boiler will be removed as soon as the boiler listed in permit S-36-41-16 becomes operational. The facility intends to use the proposed boiler for less than 180 days.

Enclosed is the engineering evaluation with the following attachments: proposed modified Title V permit, recently issued ATC S-36-117-0, emission increases, application, and previous Title V permit. This project will be subject to a 45-day EPA commenting period prior to the District taking final action.

If you have any questions, please contact Mr. Jim Swaney, Permit Services Manager, at (559) 230-5900.

Thank you for your cooperation in this matter.

Sincerely,


Arnaud Marjollet
Director of Permit Services

Enclosures

cc: Gerardo C. Rios, EPA (w/enclosure) via email
Seyed Sadredin
Executive Director/Air Pollution Control Officer

TITLE V APPLICATION REVIEW

Minor Modification
Project #: S-1143671

Engineer: Sandra Lowe-Leseth
Date: September 18, 2014

Facility Number: S-36
Facility Name: San Joaquin Refining Co., Inc.
Mailing Address: 3542 Shell Street
Bakersfield, CA 93308

Contact Name: David Campbell
Phone: (661) 852-2504

Responsible Official: Ed Starbuck
Title: Vice President

I. PROPOSAL

San Joaquin Refining Company, Inc. is proposing a Title V minor permit modification to incorporate the recently issued ATC S-36-117-0 into the Title V operating permit. The proposed boiler will temporarily replace the Wickes boiler listed in permit S-36-41-16 (see Appendix E) while the Wickes boiler undergoes maintenance or repair. The proposed boiler will be removed as soon as the boiler listed in permit S-36-41-16 becomes operational. The facility intends to use the proposed boiler for less than 180 days.

The purpose of this evaluation is to identify all applicable requirements, determine if the facility will comply with the applicable requirements and to provide the legal and factual basis for the proposed revisions.

II. FACILITY LOCATION

The facility is located at 3542 Shell Street in Bakersfield, CA.

III. EQUIPMENT DESCRIPTION

S-36-117-1: 25 MMBTU/HR FORCED DRAFT CLEAVER BROOKS MODEL CB-700-600HP BOILER EQUIPPED WITH CLEAVER BROOKS PRODUCED GAS/NATURAL GAS-FIRED LOW NOX BURNER,

USED AS A TEMPORARY REPLACEMENT EMISSIONS UNIT
(TREU) FOR UNIT S-36-41

IV. SCOPE OF EPA AND PUBLIC REVIEW

This change to a Title V permit is considered to be a minor modification and, as such, requires no public review.

V. APPLICABLE REQUIREMENTS

District Rule 2520, Federally Mandated Operating Permits (Adopted June 21, 2001)

VI. DESCRIPTION OF PROPOSED MODIFICATIONS

The proposed boiler will temporarily replace the Wickes boiler listed in permit S-36-41-16 (see Appendix A) while the Wickes boiler undergoes repair or replacement. The proposed boiler will be removed as soon as the boiler listed in permit S-36-41-16 becomes operational. The facility intends to use the proposed boiler for less than 180 days.

Pursuant to District Rule 2201, Section 3.41, the new boiler can be classified and categorized as a TREU if it meets the following requirements:

- The Potential to Emit from a TREU must not exceed the Potential to Emit from the existing emissions unit.
- If a TREU is used to replace a TREU, the combined time at the Stationary Source for the two TREU shall not exceed a total of 180 days in any twelve-month period.
- An emissions unit not removed from the Stationary Source within 180 days is not a TREU.

Existing PTO Changes

Since S-36-117 is a new unit, there is no existing PTO.

ATC Condition Changes

ATC Condition 1 has been removed and not included in the requirements for the revised Title V permit as San Joaquin Refining has submitted the appropriate Title V application to incorporate this ATC into their operating permit.

ATC Condition 3 will be revised when the operating permit is finalized to include a specific date in the operating permit's condition.

ATC Condition 4 will be removed and not included in the proposed permit because the condition is already contained in the facility wide permit S-36-0-2 as Condition 39.

ATC Condition 6 will be removed and not included in the proposed permit because the condition is already contained in the facility-wide permit S-36-0-2 as Condition 22.

VII. COMPLIANCE

In accordance with Rule 2520, 3.20, these modifications:

1. Do not violate requirements of any applicable federally enforceable local or federal requirement;
2. Do not relax monitoring, reporting, or recordkeeping requirements in the permit and are not significant changes in existing monitoring permit terms or conditions;
3. Do not require or change a case-by-case determination of an emission limitation or other standard, or a source-specific determination for temporary sources of ambient impacts, or a visibility or increment analysis;
4. Do not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and that the source has assumed to avoid an applicable requirement to which the source would otherwise be subject. Such terms and conditions include:
 - a. A federally enforceable emission cap assumed to avoid classification as a modification under any provisions of Title I of the Federal Clean Air Act; and
 - b. An alternative emissions limit approved pursuant to regulations promulgated under section 112(i)(5) of the Federal Clean Air Act; and
5. Are not Title I modifications as defined in District Rule 2520 or modifications as defined in section 111 or 112 of the Federal Clean Air Act; and
6. Do not seek to consolidate overlapping applicable requirements.

In accordance with Rule 2520, the application meets the procedural requirements of section 11.4 by including;

1. A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs;

2. The source's suggested draft permit; and
3. Certification by a responsible official that the proposed modification meets the criteria for use of minor permit modification procedures and a request that such procedures be used.

VIII. ATTACHMENTS

- A. Proposed Modified Title V Operating Permit No. S-36-117-1
- B. Authorities to Construct No. S-36-117-0
- C. Emissions Increases
- D. Application
- E. Existing Permit to Operate S-36-41-16

ATTACHMENT A

Proposed Modified Title V Operating Permit No.
S-36-117-1

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-36-117-1

EXPIRATION DATE: 08/31/2016

EQUIPMENT DESCRIPTION:

25 MMBTU/HR FORCED DRAFT CLEAVER BROOKS MODEL CB-700-600HP BOILER EQUIPPED WITH CLEAVER BROOKS PRODUCED GAS/NATURAL GAS-FIRED LOW NOX BURNER, USED AS A TEMPORARY REPLACEMENT EMISSIONS UNIT (TREU) FOR UNIT S-36-41

PERMIT UNIT REQUIREMENTS

1. This unit may be operated only while permit unit S-36-41 is shutdown for maintenance or repair. [District Rule 2201] Federally Enforceable Through Title V Permit
2. This unit must be removed from service within 180 days from the date of implementation of this Authority to Construct permit. The permittee shall maintain records indicating the days of operation of this boiler. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
3. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
4. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
5. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
6. Boiler may be fired on Fruitvale oilfield produced gas or purchased natural gas. Natural gas and lease produced gas sulfur content shall not exceed 1.0 gr sulfur compounds/100 scf. [District Rule 2201] Federally Enforceable Through Title V Permit
7. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of fuel combusted in the unit shall be installed, utilized and maintained. [District Rule 2201 and 40 CFR 60.48 (c)(g)] Federally Enforceable Through Title V Permit
8. Emissions from the unit shall not exceed any of the following limits when fired on natural gas or produced gas: 9 ppmv NOx @ 3% O2 or 0.0109 lb-NOx/MMBtu, 0.00285 lb-SOx/MMBtu, 0.0076 lb-PM10/MMBtu, 100 ppmv CO @ 3% O2 or 0.0739 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rules 2201, 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
9. The permittee shall monitor and record the stack concentration of NOx, CO, and O2 within 7 days of startup of the unit and at least once every month thereafter. NOx, CO and O2 monitoring shall be conducted utilizing a portable analyzer that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless it has been performed within the last month. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

10. If the NO_x or CO, as measured by the portable analyzer, exceed the permitted levels the permittee shall return the emissions to compliant levels as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer continues to show emission limit violations after 1 hour of operation following detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation that is subject to enforcement action has occurred. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
11. If the NO_x or CO concentrations, corrected to 3% O₂, as measured by the portable analyzer, exceed the permitted levels the permittee shall return the emissions to compliant levels as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer continues to show emission limit violations after 1 hour of operation following detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation that is subject to enforcement action has occurred. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
12. All NO_x, CO, and O₂ emission readings shall be taken with the unit operating at conditions representative of normal operation or under the conditions specified in the Permit to Operate. The NO_x, CO and O₂ analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Analyzer readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five readings, evenly spaced out over the 15 consecutive-minute period. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
13. Permittee shall determine sulfur content of combusted gas annually or shall demonstrate that the combusted gas is provided from a PUC or FERC regulated source. [District Rules 1081 and 4320] Federally Enforceable Through Title V Permit
14. The permittee shall maintain records of: (1) the date and time of NO_x, CO, and O₂ measurements, (2) the O₂ concentration in percent by volume and the measured NO_x and CO concentrations corrected to 3% O₂, (3) make and model of the portable analyzer, (4) portable analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions at or below the acceptable levels. [District Rules 4305, 4306 and 4320] Federally Enforceable Through Title V Permit
15. Permittee shall maintain daily records of the type, fuel hhv (Btu/scf), and quantity (MMBtu or scf) of fuel combusted by the boiler. [District Rules 2201 and 40 CFR 60.48 (c)(g)] Federally Enforceable Through Title V Permit
16. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

DRAFT

ATTACHMENT B

Authority to Construct No.
S-36-117-0



COPY

AUTHORITY TO CONSTRUCT

PERMIT NO: S-36-117-0

ISSUANCE DATE: 09/02/2014

LEGAL OWNER OR OPERATOR: SAN JOAQUIN REFINING COMPANY
MAILING ADDRESS: PO BOX 5576
BAKERSFIELD, CA 93388

LOCATION: STANDARD AND SHELL ST
BAKERSFIELD, CA 93308

EQUIPMENT DESCRIPTION:

25 MMBTU/HR FORCED DRAFT CLEAVER BROOKS MODEL CB-700-600HP BOILER EQUIPPED WITH CLEAVER BROOKS PRODUCED GAS/NATURAL GAS-FIRED LOW NOX BURNER, USED AS A TEMPORARY REPLACEMENT EMISSIONS UNIT (TREU) FOR UNIT S-36-41

CONDITIONS

1. The facility shall submit an application to modify the Title V permit in accordance with the timeframes and procedures of District Rule 2520. [District Rule 2520] Federally Enforceable Through Title V Permit
2. This unit may be operated only while permit unit S-36-41 is shutdown for maintenance or repair. [District Rule 2201]
3. This unit must be removed from service within 180 days from the date of implementation of this Authority to Construct permit. The permittee shall maintain records indicating the days of operation of this boiler. [District Rules 1070 and 2201]
4. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
5. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201]
6. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
7. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
8. Boiler may be fired on Fruitvale oilfield produced gas or purchased natural gas. Natural gas and lease produced gas sulfur content shall not exceed 1.0 gr sulfur compounds/100 scf. [District Rule 2201]

CONDITIONS CONTINUE ON NEXT PAGE

YOU **MUST** NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (661) 392-5500 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

S-36-117-C - Sep 2 2014 1:28PM - TCM5 - Joint Inspection NOT Required

9. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of fuel combusted in the unit shall be installed, utilized and maintained. [District Rule 2201 and 40 CFR 60.48 (c)(g)]
10. Emissions from the unit shall not exceed any of the following limits when fired on natural gas or produced gas: 9 ppmv NO_x @ 3% O₂ or 0.0109 lb-NO_x/MMBtu, 0.00285 lb-SO_x/MMBtu, 0.0076 lb-PM₁₀/MMBtu, 100 ppmv CO @ 3% O₂ or 0.0739 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rules 2201, 4305, 4306 and 4320]
11. The permittee shall monitor and record the stack concentration of NO_x, CO, and O₂ within 7 days of startup of the unit and at least once every month thereafter. NO_x, CO and O₂ monitoring shall be conducted utilizing a portable analyzer that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless it has been performed within the last month. [District Rules 4305, 4306 and 4320]
12. If the NO_x or CO, as measured by the portable analyzer, exceed the permitted levels the permittee shall return the emissions to compliant levels as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer continues to show emission limit violations after 1 hour of operation following detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation that is subject to enforcement action has occurred. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rules 4305, 4306 and 4320]
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14. All NO_x, CO, and O₂ emission readings shall be taken with the unit operating at conditions representative of normal operation or under the conditions specified in the Permit to Operate. The NO_x, CO and O₂ analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Analyzer readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five readings, evenly spaced out over the 15 consecutive-minute period. [District Rules 4305, 4306 and 4320]
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17. Permittee shall maintain daily records of the type, fuel hhv (Btu/scf), and quantity (MMBtu or scf) of fuel combusted by the boiler. [District Rules 2201 and 40 CFR 60.48 (c)(g)]
18. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 4305, 4306, and 4320]

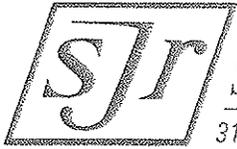
ATTACHMENT C

Emissions Increases

Pollutant	Emission Comparison		
	Boiler (S-36-41-16)	Boiler (S-36-117-0)	Emissions Increase?
NO _x	12,309	1,194	No
SO _x	780	312	No
PM10	4,458	832	No
CO	20,230	8,092	No
VOC	1,506	602	No

ATTACHMENT D

Application



SAN JOAQUIN REFINING CO., INC.

3129 Standard Street • P.O. Box 5576 • Bakersfield, CA 93388 • Phone 661 / 327-4257 • Fax 661 / 327-3386 • www.sjr.com

RECEIVED

SEP 08 2014

Permits Services
SJVAPCD

September 2, 2014

Mr. Martin Keast
San Joaquin Valley Unified
Air Pollution Control District
1990 E. Gettysburg Avenue
Fresno, CA 93726-0244

RE: SAN JOAQUIN REFINING (SJR) TITLE V MODIFICATION
APPLICATION ATC S-36-117-0

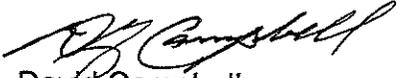
Dr. Mr. Keast:

Please find enclosed one Title V Modification Application in duplicate. Steve Miller, Air Quality Inspector Southern Region, has been notified of this modification. This is a minor permit modification.

If you have any questions, I can be reached at 661-852-2504 or davidc@sjr.com.

Sincerely,

SAN JOAQUIN REFINING COMPANY, INC.


David Campbell
Environmental Manager

W/Attachments



San Joaquin Valley Air Pollution Control District

www.valleyair.org



SEP 08 2014

Permit Application For:

Permits Services

[] ADMINISTRATIVE AMENDMENT [X] MINOR MODIFICATION [] SIGNIFICANT MODIFICATION

SJVAPCD

1. PERMIT TO BE ISSUED TO: SAN JOAQUIN REFINING COMPANY, INC.	
2. MAILING ADDRESS: STREET/P.O. BOX: 3542 SHELL STREET CITY: BAKERSFIELD STATE: CA 9-DIGIT ZIP CODE: 93308	
3. LOCATION WHERE THE EQUIPMENT WILL BE OPERATED: STREET: SAME CITY: _____ _____ 1/4 SECTION _____ TOWNSHIP _____ RANGE _____	INSTALLATION DATE: 09/02/14
4. GENERAL NATURE OF BUSINESS: OIL REFINING	
5. DESCRIPTION OF EQUIPMENT OR MODIFICATION FOR WHICH APPLICATION IS MADE (include Permit #'s if known, and use additional sheets if necessary) ATC-S-36-117-0	
6. TYPE OR PRINT NAME OF APPLICANT: DAVID G. CAMPBELL	TITLE OF APPLICANT: ENVIRONMENTAL MANAGER
7. SIGNATURE OF APPLICANT: 	DATE: 09/02/14 PHONE: (661) 852-2504 FAX: (661) 327-2150 EMAIL: DAVIDC@SJR.COM

For APCD Use Only:

DATE STAMP	FILING FEE RECEIVED: \$ _____ CHECK#: _____
	DATE PAID: _____
	PROJECT NO: S-1143071 FACILITY ID: S-36



AUTHORITY TO CONSTRUCT

PERMIT NO: S-36-117-0

ISSUANCE DATE: 09/02/2014

LEGAL OWNER OR OPERATOR: SAN JOAQUIN REFINING COMPANY
MAILING ADDRESS: PO BOX 5576
BAKERSFIELD, CA 93388

LOCATION: STANDARD AND SHELL ST
BAKERSFIELD, CA 93308

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3. This unit must be removed from service within 180 days from the date of implementation of this Authority to Construct permit. The permittee shall maintain records indicating the days of operation of this boiler. [District Rules 1070 and 2201]
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Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services

S-36-117-0 Sep 2 2014 1:26PM - TOMS Joint Inspection NOT Required

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13. If the NO_x or CO concentrations, corrected to 3% O₂, as measured by the portable analyzer, exceed the permitted levels the permittee shall return the emissions to compliant levels as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer continues to show emission limit violations after 1 hour of operation following detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation that is subject to enforcement action has occurred. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rules 4305, 4306 and 4320]
14. All NO_x, CO, and O₂ emission readings shall be taken with the unit operating at conditions representative of normal operation or under the conditions specified in the Permit to Operate. The NO_x, CO and O₂ analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Analyzer readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five readings, evenly spaced out over the 15 consecutive-minute period. [District Rules 4305, 4306 and 4320]
15. Permittee shall determine sulfur content of combusted gas annually or shall demonstrate that the combusted gas is provided from a PUC or FERC regulated source. [District Rules 1081 and 4320]
16. The permittee shall maintain records of: (1) the date and time of NO_x, CO, and O₂ measurements, (2) the O₂ concentration in percent by volume and the measured NO_x and CO concentrations corrected to 3% O₂, (3) make and model of the portable analyzer, (4) portable analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions at or below the acceptable levels. [District Rules 4305, 4306 and 4320]
17. Permittee shall maintain daily records of the type, fuel hhv (Btu/scf), and quantity (MMBtu or scf) of fuel combusted by the boiler. [District Rules 2201 and 40 CFR 60.48 (c)(g)]
18. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 4305, 4306, and 4320]

San Joaquin Valley Unified Air Pollution Control District

TITLE V MODIFICATION - COMPLIANCE CERTIFICATION FORM

I. TYPE OF PERMIT ACTION (Check appropriate box)

- SIGNIFICANT PERMIT MODIFICATION ADMINISTRATIVE
 MINOR PERMIT MODIFICATION AMENDMENT

COMPANY NAME: SAN JOAQUIN REFINING COMPANY, INC.	FACILITY ID: S - 36
1. Type of Organization: <input checked="" type="checkbox"/> Corporation <input type="checkbox"/> Sole Ownership <input type="checkbox"/> Government <input type="checkbox"/> Partnership <input type="checkbox"/> Utility	
2. Owner's Name: Majid Mojibi	
3. Agent to the Owner: Ed Starbuck	

II. COMPLIANCE CERTIFICATION (Read each statement carefully and initial all circles for confirmation):

- Based on information and belief formed after reasonable inquiry, the equipment identified in this application will continue to comply with the applicable federal requirement(s).
- Based on information and belief formed after reasonable inquiry, the equipment identified in this application will comply with applicable federal requirement(s) that will become effective during the permit term, on a timely basis.
- Corrected information will be provided to the District when I become aware that incorrect or incomplete information has been submitted.
- Based on information and belief formed after reasonable inquiry, information and statements in the submitted application package, including all accompanying reports, and required certifications are true accurate and complete.

I declare, under penalty of perjury under the laws of the state of California, that the forgoing is correct and true:

Ed Starbuck

September 2, 2014

Signature of Responsible Official

Date

Ed Starbuck

Name of Responsible Official (please print)

Vice President

Title of Responsible Official (please print)

ATTACHMENT E

Existing Title V Operating Permit No.
S-36-41-16

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-36-41-16

EXPIRATION DATE: 08/31/2016

SECTION: 23 **TOWNSHIP:** 29S **RANGE:** 27E

EQUIPMENT DESCRIPTION:

31.25 MMBTU/HR FORCED DRAFT WICKES BOILER WITH NORTH AMERICAN MODEL 6131-FC2 NATURAL GAS/OIL-FIRED LOW NOX BURNER WITH FGR

PERMIT UNIT REQUIREMENTS

1. The emission control systems shall be in operation and emissions shall be minimized insofar as technologically feasible during startup and shutdown. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
2. The duration of each startup and shutdown period for the 31.25 MMBtu/hr heater shall not exceed 4.0 hours and 2.0 hours respectively. Emission limits of Rule 4305 and 4306 are waived during periods of startup and shutdown. [District Rule 4305, Section 5.5.6 and 4306 Section 5.3] Federally Enforceable Through Title V Permit
3. Gas fired emission rates shall not exceed any of the following: PM10: 0.0076 lb/MMBtu, VOC: 0.0055 lb/MMBtu, or CO: 100 ppmv @ 3% O₂. [District NSR Rule and District Rules 4305, 4306 and 4351] Federally Enforceable Through Title V Permit
4. Gas fired NO_x emissions shall not exceed 30 ppmv @ 3% O₂ or 0.036 lb/MMBtu. [District Rule 4305, 4306, and 4351] Federally Enforceable Through Title V Permit
5. Liquid fuel fired emission rates shall not exceed any of the following: PM10: 0.0231 lb/MMBtu, NO_x (as NO₂) - 40 ppmv @ 3% O₂ or 0.052 lb/MMBtu, VOC: 0.0024 lb/MMBtu, or CO: 400 ppmv @ 3% O₂. [District NSR Rule and District Rules 4305, 4306 and 4351] Federally Enforceable Through Title V Permit
6. Boiler may be fired on Fruitvale oilfield produced gas, purchased natural gas or liquid fuel. Natural gas and lease produced gas sulfur content shall not exceed 1.0 gr sulfur compounds/100 scf. Liquid fuel sulfur content shall not exceed 10 ppmw. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Total quantity of liquid fuel combusted in S-36-2, S-36-4, and S-36-41 shall not exceed 1,093,500 gal/rolling twelve month period. [District Rule 4102]
8. Compliance testing to demonstrate compliance with liquid fuel fired NO_x and CO emission limits shall be conducted within 60 days of initial liquid fuel firing. [District Rule 1081] Federally Enforceable Through Title V Permit
9. Source testing for gas fired NO_x and CO emissions shall be conducted not less than once every 12 months, except as provided below. Source testing to demonstrate compliance with liquid fuel fired NO_x and CO emission limits shall be conducted not less than once every 12 months if liquid fuel was used within preceding 12 months, except as provided below. [District Rules 4305, 4306 and 4351] Federally Enforceable Through Title V Permit
10. Source testing for gas and liquid fuel fired NO_x and CO emissions shall be conducted not less than once every 36 months if compliance is demonstrated on two consecutive annual tests. [District Rules 4305, 4306 and 4351] Federally Enforceable Through Title V Permit
11. If permittee fails any source test for NO_x and CO emissions when testing not less than once every 36 months, compliance with NO_x and CO emission limits shall be demonstrated not less than once every 12 months. [District Rules 4305, 4306 and 4351] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

12. Source test results from an individual unit that is identical to this unit, in terms of rated capacity, operational conditions, fuel used, and control method, as approved by the APCO, will satisfy the NOx and CO source testing requirement. [District Rules 4305, 4306 and 4351] Federally Enforceable Through Title V Permit
13. Source testing shall be by District witnessed, or authorized sample collection by ARB certified testing laboratory. [District Rule 1081] Federally Enforceable Through Title V Permit
14. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
15. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
16. The permittee shall monitor and record the stack concentration of NOX, CO, and O2 at least once every month (in which a source test is not performed) using a portable analyzer that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
17. If either the NOX or CO concentrations corrected to 3% O2, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of performing the notification and testing required by this condition. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
18. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the permit-to-operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
19. The permittee shall maintain records of: (1) the date and time of NOX, CO, and O2 measurements, (2) the O2 concentration in percent by volume and the measured NOX and CO concentrations corrected to 3% O2, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
20. The following test methods shall be used: NOx (ppmv) - EPA Method 7E or ARB Method 100, NOx (lb/MMBtu) - EPA Method 19, CO (ppmv) - EPA Method 10 or ARB Method 100, stack gas oxygen - EPA Method 3 or 3A or ARB Method 100, fuel gas sulfur content- ASTM D3246 , fuel oil sulfur content - ASTM D4294 , PAHs - ARB method 429 , and chromium VI compounds - CARB method 425. [District Rules 1081, 4305, 4306, and 4351] Federally Enforceable Through Title V Permit
21. Permittee shall maintain records of total quantity of liquid fuel combusted in S-36-2, S-36-4, and S-36-41 on a rolling twelve month basis for a period of five years and shall make such records readily available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit
22. Permittee shall maintain records of fuel oil and lease produced gas sulfur content, fuels hhv and cumulative annual fuels use for a period of five years and shall make such records readily available for District inspection upon request. [District Rule 4351] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

23. All required source testing shall conform to the compliance testing procedures described in District Rule 1081 (Last Amended December 19, 1993). [District Rule 1081] Federally Enforceable Through Title V Permit
24. Copies of all fuel invoices, gas purchase contracts, supplier certifications, and test results to determine compliance with the conditions of this permit shall be maintained. The operator shall record daily amount and type(s) of fuel(s) combusted and all dates on which unit is fired on any noncertified fuel. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
25. Operator shall maintain all records for at least five years and conform to the recordkeeping requirements described in District Rule 2520. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
26. Particulate matter emissions shall not exceed 0.1 grain/dscf, 0.1 grain/dscf calculated to 12% CO₂, nor 10 lb/hr. [District Rules 4201, 3.1 and 4301, 5.1 and 5.2.3] Federally Enforceable Through Title V Permit
27. Source testing shall be performed using EPA Method 5 while firing on residual oil (including crude or topped crude) to demonstrate compliance with PM emission limits. Source testing shall be performed within 90 days of firing on residual oil unless such testing has been performed within the 12 month period prior to firing on said oil and the test results showed compliance with PM emission limits of this permit. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
28. Emissions of sulfur compounds from this unit shall not exceed 200 lb per hour, calculated as SO₂. Compliance with this requirement may be demonstrated by firing the unit only on PUC or FERC regulated natural gas or on diesel fuel not exceeding 0.5% sulfur by weight; or by testing the sulfur content of each fuel and determining the maximum hourly emissions of sulfur compounds by multiplying the sulfur content of each fuel in lb/MMBtu by the maximum heat input rating of the unit; or by source testing in combination with fuel analysis. [District Rule 2520, 9.3.2 and District Rule 4301, 5.2.1] Federally Enforceable Through Title V Permit
29. When complying with sulfur emission limits by fuel analysis or by a combination of source testing and fuel analysis, each fuel source shall be tested weekly for sulfur content and higher heating value. If compliance with the fuel sulfur content limit and sulfur emission limits has been demonstrated for 8 consecutive weeks for a fuel source, then the fuel testing frequency shall be semi-annually. If a semi-annual fuel content source test fails to show compliance, weekly testing shall resume. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
30. When complying with SO_x emission limits by testing of stack emissions, testing shall be performed not less than once every 12 months using EPA Method 6B; or Method 8; or, for units using gaseous fuel scrubbed for sulfur pre-combustion, a grab sample analysis by GC-FPD/TCD performed in the laboratory and EPA Method 19 to calculate emissions. Gaseous fuel fired units demonstrating compliance on two consecutive annual source tests shall be tested not less than once every thirty-six months; however, annual source testing shall resume if any test fails to show compliance. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
31. If the unit is fired on noncertified gaseous fuel and compliance with SO_x emission limits is achieved through fuel sulfur content limitations, then the sulfur content of the gaseous fuel being fired in the unit shall be determined using ASTM D 1072, D 3031, D 4084, D 3246 or grab sample analysis by GC-FPD/TCD performed in the laboratory. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
32. If the unit is fired on noncertified liquid fuel and compliance with SO_x emission limits is achieved through fuel sulfur content limitations, then the sulfur content of the liquid fuel being fired in the unit shall be determined using ASTM D 2880. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
33. If fuel analysis is used to demonstrate compliance with the conditions of this permit, the fuel higher heating value for each fuel shall be certified by third party fuel supplier or determined by: ASTM D 240 or D 2382 for liquid hydrocarbon fuels; ASTM D 1826 or D 1945 in conjunction with ASTM D 3588 for gaseous fuels. [District Rule 4305, 6.2.1; 4306, 6.2.1; and 4351, 6.2.1] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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34. The concentration of sulfur compounds in the exhaust from this unit shall not exceed 0.2% by volume as measured on a dry basis over a 15 minute period (Kern County Rule 407). To demonstrate compliance with this requirement the operator shall do one of the following: fire the unit only on PUC or FERC regulated natural gas or diesel fuel not exceeding 0.5% sulfur by weight; or test the sulfur content of each fuel source and demonstrate the sulfur content does not exceed 3.3% by weight for gaseous fuels or 3.0% by weight for residual oil (including crude or topped crude); or determine that the concentration of sulfur compounds in the exhaust does not exceed the concentration limit by a combination of source testing and fuel analysis. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
35. Nitrogen oxide (NOx) emission concentrations in ppmv shall be referenced at dry stack gas conditions, and shall be calculated to 3.00 percent by volume stack gas oxygen and averaged over 60 minutes, and lb/MMBtu rates shall be calculated as lb NO2/MMBtu of heat input (hhv). [District Rule 4305, 5.0, 8.2; 4306, 5.0 and/or 4351, 8.1] Federally Enforceable Through Title V Permit
36. Emissions for this unit shall be calculated using the arithmetic mean, pursuant to District Rule 1081 (Amended December 16, 1993), of 3 thirty-minute test runs for NOx and CO. [District Rule 1081] Federally Enforceable Through Title V Permit
37. Annual test results submitted to the District from unit(s) representing a group of units may be used to measure NOx emissions of this permit for that group, provided the selection of the representative unit(s) is approved by the APCO prior to testing. Should any of the representative units exceed the required NOx emission limits of this permit, each of the units in the group shall demonstrate compliance by emissions testing within 90 days of the failed test. (This requirement shall not supersede a more stringent NSR or PSD permit testing requirement.) [District Rules 4305, 6.3.2; 4306, 6.3.2 and 4351, 6.3] Federally Enforceable Through Title V Permit
38. The following conditions must be met for representative unit(s) to be used to test for NOx limits for a group of units: 1) all units are initially source tested and emissions from each unit in group are less than 90% of the permitted value and vary 25% or less from the average of all runs, 2) all units in group are similar in terms of rated heat input (rating not to exceed 100 MMBtu/hr), make and series, operation conditions, and control method, and 3) the group is owned by a single owner and located at a single stationary source. [District Rules 4305, 6.3.2 and 4306, 6.3.2] Federally Enforceable Through Title V Permit
39. All units in a group for which representative units are source for NOx emissions shall have received the same maintenance and tune-up procedures as the representative unit(s). These tune-up procedures shall be completed according to District Rule 4304 (Adopted October 19, 1995) and tune-up test results shall show comparable results for each unit in the group. Records shall be maintained for each unit of the group including all preventative and corrective maintenance work done. [District Rules 4305, 6.3.2 and 4306, 6.3.2] Federally Enforceable Through Title V Permit
40. All units in a group for which representative units are source tested for NOx emissions of this permit shall be fired on the same fuel type during the entire compliance period. If a unit switches for any time to an alternate fuel type (e.g. from natural gas to oil) then that unit shall not be considered part of the group and shall be required to undergo a source test for all fuel types used, within one year of the switch. [District Rules 4305, 6.3.2 and 4306, 6.3.2] Federally Enforceable Through Title V Permit
41. The number of representative units source tested for NOx emissions shall be at least 30% of the total number of units in the group. The units included in the 30% shall be rotated, so that in 3 years, all units in the entire group will have been tested at least once. [District Rules 4305, 6.3.2 and 4306, 6.3.2] Federally Enforceable Through Title V Permit
42. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following requirements of SJVUAPCD Rules 4201 (Amended December 17, 1992), 4301 (Amended December 17, 1992), and 4801, section 3.1 (Amended December 17, 1992). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.