



FEB 26 2019

Charlotte Campbell  
California Resources Production Corporation  
11109 River Run Blvd  
Bakersfield, CA 93311

**RE: Notice of Final Action - Authority to Construct**  
**Facility Number: C-273**  
**Project Number: C-1182294**

Dear Ms. Campbell:

The Air Pollution Control Officer has issued the Authority to Construct permits to California Resources Production Corporation for the installation of five (5) Ultra Low Emissions (ULE) natural gas/field gas-fired backup Aereon Model CEB 1200 (or equivalent) thermal oxidizers to be operated, at various unspecified locations within the Kettleman North Dome Stationary Source (District facility C-273) in Kings County. Enclosed are the Authority to Construct permits and a copy of the notice of final action to be published approximately three days from the date of this letter.

Notice of the District's preliminary decision to issue the Authority to Construct permits was published on January 22, 2019. The District's analysis of the proposal was also sent to CARB and US EPA Region IX on January 15, 2019. No comments were received following the District's preliminary decision on this project.

Also enclosed is an invoice for the engineering evaluation fees pursuant to District Rule 3010. Please remit the amount owed, along with a copy of the attached invoice, within 60 days. Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Errol Villegas at (559) 230-6000.

Sincerely,

Arnaud Marjollet  
Director of Permit Services

AM:sa  
Enclosures

cc: Tung Le, CARB (w/enclosure) via email  
cc: Gerardo C. Rios, EPA (w/enclosure) via email

**Samir Sheikh**  
Executive Director/Air Pollution Control Officer

**Northern Region**  
4800 Enterprise Way  
Modesto, CA 95356-8718  
Tel: (209) 557-6400 FAX: (209) 557-6475

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

**Southern Region**  
34946 Flyover Court  
Bakersfield, CA 93308-9725  
Tel: 661-392-5500 FAX: 661-392-5585

Facility # C-273  
CALIFORNIA RESOURCES PRODUCTION CORP.  
11109 RIVER RUN BLVD  
BAKERSFIELD, CA 93311

## **AUTHORITY TO CONSTRUCT (ATC)**

### **QUICK START GUIDE**

1. **Pay Invoice:** Please pay enclosed invoice before due date.
2. **Modify Your Title V Permit.** Prior to operating the equipment authorized under this ATC, submit an application to modify your Title V permit. See application forms at <http://www.valleyair.org/busind/pto/ptoforms/1ptoformidx.htm>.
3. **Fully Understand ATC:** Make sure you understand ALL conditions in the ATC prior to construction, modification and/or operation.
4. **Follow ATC:** You must construct, modify and/or operate your equipment as specified on the ATC. Any unspecified changes may require a new ATC.
5. **Notify District:** You must notify the District's Compliance Department, at the telephone numbers below, upon start-up and/or operation under the ATC. Please record the date construction or modification commenced and the date the equipment began operation under the ATC. You may NOT operate your equipment until you have notified the District's Compliance Department. A startup inspection may be required prior to receiving your Permit to Operate.
6. **Source Test:** Schedule and perform any required source testing. See [http://www.valleyair.org/busind/comply/source\\_testing.htm](http://www.valleyair.org/busind/comply/source_testing.htm) for source testing resources.
7. **Maintain Records:** Maintain all records required by ATC. Records are reviewed during every inspection (or upon request) and must be retained for at least 5 years. Sample record keeping forms can be found at [http://www.valleyair.org/busind/comply/compliance\\_forms.htm](http://www.valleyair.org/busind/comply/compliance_forms.htm).

By operating in compliance, you are doing your part to improve air quality for all Valley residents.

**For assistance, please contact District Compliance staff at  
any of the telephone numbers listed below.**

**Samir Sheikh**

Executive Director/Air Pollution Control Officer

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**Northern Region**  
4800 Enterprise Way  
Modesto, CA 95356-8718  
Tel: (209) 557-6400 FAX: (209) 557-6475

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**Southern Region**  
34946 Flyover Court  
Bakersfield, CA 93308-9725  
Tel: 661-392-5500 FAX: 661-392-5585

## AUTHORITY TO CONSTRUCT

**PERMIT NO:** C-273-57-0

**ISSUANCE DATE:** 02/22/2019

**LEGAL OWNER OR OPERATOR:** CALIFORNIA RESOURCES PRODUCTION CORP.

**MAILING ADDRESS:** 11109 RIVER RUN BLVD  
BAKERSFIELD, CA 93311

**LOCATION:** KETTLEMAN NORTH DOME UNIT  
KINGS COUNTY, CA

**EQUIPMENT DESCRIPTION:**

41 MMBTU/HR NATURAL GAS/FIELD GAS-FIRED AEREON MODEL CEB 1200 (OR EQUIVALENT) ULTRA LOW EMISSION (ULE) BACKUP THERMAL OXIDIZER OPERATED AT VARIOUS UNSPECIFIED LOCATIONS WITHIN THE SAME STATIONARY SOURCE C-273 (UNIT 1)

## CONDITIONS

1. Authority to Construct (ATC) permits C-273-32-0 thru '47-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201]
2. Prior to operating equipment under this Authority to Construct, permittee shall surrender NOx emission reduction credits for the following quantity of emissions: 1st quarter - 199 lb, 2nd quarter - 199 lb, 3rd quarter - 199 lb, and 4th quarter - 200 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16) for the ERC specified below. [District Rule 2201]
3. ERC Certificate Number S-4998-2 (or a certificate split from this certificate) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this Authority to Construct. [District Rule 2201]
4. Prior to operating equipment under this Authority to Construct, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 88 lb, 2nd quarter - 88 lb, 3rd quarter - 89 lb, and 4th quarter - 89 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16) for the ERC specified below. [District Rule 2201]

CONDITIONS CONTINUE ON NEXT PAGE

**YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 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.

Samir Sheikh, Executive Director / APCO



Arnaud Marjollet, Director of Permit Services

C-273-57-0 : Feb 22 2019 12:01PM - AHMADS : Joint Inspection NOT Required

5. ERC Certificate Number S-4992-1 (or a certificate split from this certificate) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this Authority to Construct. [District Rule 2201]
6. The permittee shall obtain written District approval for the use of any equivalent equipment not specifically approved by this Authority to Construct. Approval of the equivalent equipment shall be made only after the District's determination that the submitted design and performance of the proposed alternate equipment is equivalent to the specifically authorized equipment. [District Rule 2201]
7. The permittee's request for approval of equivalent equipment shall include the make, model, manufacturer's maximum rating, manufacturer's guaranteed emission rates, equipment drawing(s), and operational characteristics/parameters. [District Rule 2010]
8. Alternate equipment shall be of the same class and category of source as the equipment authorized by the Authority to Construct. [District Rule 2201]
9. No emission factor and no emission shall be greater for the alternate equipment than for the proposed equipment. No changes in the hours of operation, operating rate, throughput, or firing rate may be authorized for any alternate equipment. [District Rule 2201]
10. 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]
11. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
12. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
13. The unit shall not operate closer than 804 meters from the property boundary. [District Rule 4102]
14. A flame shall be present at all times when combustible gases are vented. [District Rule 2201]
15. Emission rates from this unit shall not exceed any of the following limits: 0.018 lb-NO<sub>x</sub>/MMBtu; 0.0285 lb-SO<sub>x</sub>/MMBtu; 0.0076 lb-PM<sub>10</sub>/MMBtu; 0.01 lb-CO/MMBtu; or 0.008 lb-VOC/MMBtu. [District Rule 2201]
16. The unit shall only burn produced gas and/or PUC quality gas with a fuel sulfur concentration not exceeding 10 grain/100 dscf. [District Rules 2201 and 4801]
17. This unit shall not operate for more than 720 hours in any calendar year. [District Rule 2201]
18. The permittee shall monitor and record the stack concentration of NO<sub>x</sub>, CO, and O<sub>2</sub> at least once every quarter (in any quarter that the unit is operated) using a portable emission monitor 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 quarter. [District Rule 2201] Federally Enforceable Through Title V Permit
19. If either the NO<sub>x</sub> or CO concentrations corrected to 3% O<sub>2</sub>, 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 the performing the notification and testing required by this condition. [District Rule 2201] Federally Enforceable Through Title V Permit
20. All NO<sub>x</sub>, CO, and O<sub>2</sub> 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 Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

21. The permittee shall maintain records of: (1) the date and time of NO<sub>x</sub>, CO, and O<sub>2</sub> measurements, (2) the O<sub>2</sub> concentration in percent and the measured NO<sub>x</sub> and CO concentrations corrected to 3% O<sub>2</sub>, (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 Rule 2201] Federally Enforceable Through Title V Permit
22. The permittee shall maintain records of the number of hours this unit operates in any calendar year. [District Rule 2201]
23. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201]



## AUTHORITY TO CONSTRUCT

**PERMIT NO:** C-273-58-0

**ISSUANCE DATE:** 02/22/2019

**LEGAL OWNER OR OPERATOR:** CALIFORNIA RESOURCES PRODUCTION CORP.

**MAILING ADDRESS:** 11109 RIVER RUN BLVD  
BAKERSFIELD, CA 93311

**LOCATION:** KETTLEMAN NORTH DOME UNIT  
KINGS COUNTY, CA

**EQUIPMENT DESCRIPTION:**

41 MMBTU/HR NATURAL GAS/FIELD GAS-FIRED AEREON MODEL CEB 1200 (OR EQUIVALENT) ULTRA LOW EMISSION (ULE) BACKUP THERMAL OXIDIZER OPERATED AT VARIOUS UNSPECIFIED LOCATIONS WITHIN THE SAME STATIONARY SOURCE C-273 (UNIT 2)

## CONDITIONS

1. Authority to Construct (ATC) permits C-273-32-0 thru '47-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201]
2. Prior to operating equipment under this Authority to Construct, permittee shall surrender NOx emission reduction credits for the following quantity of emissions: 1st quarter - 199 lb, 2nd quarter - 199 lb, 3rd quarter - 199 lb, and 4th quarter - 200 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16) for the ERC specified below. [District Rule 2201]
3. ERC Certificate Number S-4998-2 (or a certificate split from this certificate) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this Authority to Construct. [District Rule 2201]
4. Prior to operating equipment under this Authority to Construct, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 88 lb, 2nd quarter - 88 lb, 3rd quarter - 89 lb, and 4th quarter - 89 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16) for the ERC specified below. [District Rule 2201]

### CONDITIONS CONTINUE ON NEXT PAGE

**YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 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.

Samir Sheikh, Executive Director / APCO



Arnaud Marjollet, Director of Permit Services

C-273-58-0 : Feb 22 2019 12:01PM - AHMADS : Joint Inspection NOT Required

5. ERC Certificate Number S-4992-1 (or a certificate split from this certificate) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this Authority to Construct. [District Rule 2201]
6. The permittee shall obtain written District approval for the use of any equivalent equipment not specifically approved by this Authority to Construct. Approval of the equivalent equipment shall be made only after the District's determination that the submitted design and performance of the proposed alternate equipment is equivalent to the specifically authorized equipment. [District Rule 2201]
7. The permittee's request for approval of equivalent equipment shall include the make, model, manufacturer's maximum rating, manufacturer's guaranteed emission rates, equipment drawing(s), and operational characteristics/parameters. [District Rule 2010]
8. Alternate equipment shall be of the same class and category of source as the equipment authorized by the Authority to Construct. [District Rule 2201]
9. No emission factor and no emission shall be greater for the alternate equipment than for the proposed equipment. No changes in the hours of operation, operating rate, throughput, or firing rate may be authorized for any alternate equipment. [District Rule 2201]
10. 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]
11. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
12. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
13. The unit shall not operate closer than 804 meters from the property boundary. [District Rule 4102]
14. A flame shall be present at all times when combustible gases are vented. [District Rule 2201]
15. Emission rates from this unit shall not exceed any of the following limits: 0.018 lb-NO<sub>x</sub>/MMBtu; 0.0285 lb-SO<sub>x</sub>/MMBtu; 0.0076 lb-PM<sub>10</sub>/MMBtu; 0.01 lb-CO/MMBtu; or 0.008 lb-VOC/MMBtu. [District Rule 2201]
16. The unit shall only burn produced gas and/or PUC quality gas with a fuel sulfur concentration not exceeding 10 grain/100 dscf. [District Rules 2201 and 4801]
17. This unit shall not operate for more than 720 hours in any calendar year. [District Rule 2201]
18. The permittee shall monitor and record the stack concentration of NO<sub>x</sub>, CO, and O<sub>2</sub> at least once every quarter (in any quarter that the unit is operated) using a portable emission monitor 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 quarter. [District Rule 2201] Federally Enforceable Through Title V Permit
19. If either the NO<sub>x</sub> or CO concentrations corrected to 3% O<sub>2</sub>, 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 the performing the notification and testing required by this condition. [District Rule 2201] Federally Enforceable Through Title V Permit
20. All NO<sub>x</sub>, CO, and O<sub>2</sub> 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 Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

21. The permittee shall maintain records of: (1) the date and time of NO<sub>x</sub>, CO, and O<sub>2</sub> measurements, (2) the O<sub>2</sub> concentration in percent and the measured NO<sub>x</sub> and CO concentrations corrected to 3% O<sub>2</sub>, (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 Rule 2201] Federally Enforceable Through Title V Permit
22. The permittee shall maintain records of the number of hours this unit operates in any calendar year. [District Rule 2201]
23. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201]





# AUTHORITY TO CONSTRUCT

**PERMIT NO:** C-273-59-0

**ISSUANCE DATE:** 02/22/2019

**LEGAL OWNER OR OPERATOR:** CALIFORNIA RESOURCES PRODUCTION CORP.

**MAILING ADDRESS:** 11109 RIVER RUN BLVD  
BAKERSFIELD, CA 93311

**LOCATION:** KETTLEMAN NORTH DOME UNIT  
KINGS COUNTY, CA

**EQUIPMENT DESCRIPTION:**

41 MMBTU/HR NATURAL GAS/FIELD GAS-FIRED AEREON MODEL CEB 1200 (OR EQUIVALENT) ULTRA LOW EMISSION (ULE) BACKUP THERMAL OXIDIZER OPERATED AT VARIOUS UNSPECIFIED LOCATIONS WITHIN THE SAME STATIONARY SOURCE C-273 (UNIT 3)

## CONDITIONS

1. Authority to Construct (ATC) permits C-273-32-0 thru '47-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201]
2. Prior to operating equipment under this Authority to Construct, permittee shall surrender NOx emission reduction credits for the following quantity of emissions: 1st quarter - 199 lb, 2nd quarter - 199 lb, 3rd quarter - 199 lb, and 4th quarter - 200 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16) for the ERC specified below. [District Rule 2201]
3. ERC Certificate Number S-4998-2 (or a certificate split from this certificate) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this Authority to Construct. [District Rule 2201]
4. Prior to operating equipment under this Authority to Construct, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 88 lb, 2nd quarter - 88 lb, 3rd quarter - 89 lb, and 4th quarter - 89 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16) for the ERC specified below. [District Rule 2201]

**CONDITIONS CONTINUE ON NEXT PAGE**

**YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 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.

Samir Sheikh, Executive Director / APCO



Arnaud Marjollet, Director of Permit Services

C-273-59-0 : Feb 22 2019 12:01PM - AHMADS : Joint Inspection NOT Required

5. ERC Certificate Number S-4992-1 (or a certificate split from this certificate) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this Authority to Construct. [District Rule 2201]
6. The permittee shall obtain written District approval for the use of any equivalent equipment not specifically approved by this Authority to Construct. Approval of the equivalent equipment shall be made only after the District's determination that the submitted design and performance of the proposed alternate equipment is equivalent to the specifically authorized equipment. [District Rule 2201]
7. The permittee's request for approval of equivalent equipment shall include the make, model, manufacturer's maximum rating, manufacturer's guaranteed emission rates, equipment drawing(s), and operational characteristics/parameters. [District Rule 2010]
8. Alternate equipment shall be of the same class and category of source as the equipment authorized by the Authority to Construct. [District Rule 2201]
9. No emission factor and no emission shall be greater for the alternate equipment than for the proposed equipment. No changes in the hours of operation, operating rate, throughput, or firing rate may be authorized for any alternate equipment. [District Rule 2201]
10. 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]
11. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
12. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
13. The unit shall not operate closer than 804 meters from the property boundary. [District Rule 4102]
14. A flame shall be present at all times when combustible gases are vented. [District Rule 2201]
15. Emission rates from this unit shall not exceed any of the following limits: 0.018 lb-NO<sub>x</sub>/MMBtu; 0.0285 lb-SO<sub>x</sub>/MMBtu; 0.0076 lb-PM<sub>10</sub>/MMBtu; 0.01 lb-CO/MMBtu; or 0.008 lb-VOC/MMBtu. [District Rule 2201]
16. The unit shall only burn produced gas and/or PUC quality gas with a fuel sulfur concentration not exceeding 10 grain/100 dscf. [District Rules 2201 and 4801]
17. This unit shall not operate for more than 720 hours in any calendar year. [District Rule 2201]
18. The permittee shall monitor and record the stack concentration of NO<sub>x</sub>, CO, and O<sub>2</sub> at least once every quarter (in any quarter that the unit is operated) using a portable emission monitor 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 quarter. [District Rule 2201] Federally Enforceable Through Title V Permit
19. If either the NO<sub>x</sub> or CO concentrations corrected to 3% O<sub>2</sub>, 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 the performing the notification and testing required by this condition. [District Rule 2201] Federally Enforceable Through Title V Permit
20. All NO<sub>x</sub>, CO, and O<sub>2</sub> 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 Rule 2201] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

21. The permittee shall maintain records of: (1) the date and time of NO<sub>x</sub>, CO, and O<sub>2</sub> measurements, (2) the O<sub>2</sub> concentration in percent and the measured NO<sub>x</sub> and CO concentrations corrected to 3% O<sub>2</sub>, (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 Rule 2201] Federally Enforceable Through Title V Permit
22. The permittee shall maintain records of the number of hours this unit operates in any calendar year. [District Rule 2201]
23. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201]

## AUTHORITY TO CONSTRUCT

**PERMIT NO:** C-273-60-0

**ISSUANCE DATE:** 02/22/2019

**LEGAL OWNER OR OPERATOR:** CALIFORNIA RESOURCES PRODUCTION CORP.

**MAILING ADDRESS:** 11109 RIVER RUN BLVD  
BAKERSFIELD, CA 93311

**LOCATION:** KETTLEMAN NORTH DOME UNIT  
KINGS COUNTY, CA

**EQUIPMENT DESCRIPTION:**

41 MMBTU/HR NATURAL GAS/FIELD GAS-FIRED AEREON MODEL CEB 1200 (OR EQUIVALENT) ULTRA LOW EMISSION (ULE) BACKUP THERMAL OXIDIZER OPERATED AT VARIOUS UNSPECIFIED LOCATIONS WITHIN THE SAME STATIONARY SOURCE C-273 (UNIT 4)

## CONDITIONS

1. Authority to Construct (ATC) permits C-273-32-0 thru '47-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201]
2. Prior to operating equipment under this Authority to Construct, permittee shall surrender NOx emission reduction credits for the following quantity of emissions: 1st quarter - 199 lb, 2nd quarter - 199 lb, 3rd quarter - 199 lb, and 4th quarter - 200 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16) for the ERC specified below. [District Rule 2201]
3. ERC Certificate Number S-4998-2 (or a certificate split from this certificate) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this Authority to Construct. [District Rule 2201]
4. Prior to operating equipment under this Authority to Construct, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 88 lb, 2nd quarter - 88 lb, 3rd quarter - 89 lb, and 4th quarter - 89 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16) for the ERC specified below. [District Rule 2201]

CONDITIONS CONTINUE ON NEXT PAGE

**YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 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.

Samir Sheikh, Executive Director / APCO



Arnaud Marjollet, Director of Permit Services

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5. ERC Certificate Number S-4992-1 (or a certificate split from this certificate) shall be used to supply the required offsets, unless a revised offsetting proposal is received and approved by the District, upon which this Authority to Construct shall be reissued, administratively specifying the new offsetting proposal. Original public noticing requirements, if any, shall be duplicated prior to reissuance of this Authority to Construct. [District Rule 2201]
6. The permittee shall obtain written District approval for the use of any equivalent equipment not specifically approved by this Authority to Construct. Approval of the equivalent equipment shall be made only after the District's determination that the submitted design and performance of the proposed alternate equipment is equivalent to the specifically authorized equipment. [District Rule 2201]
7. The permittee's request for approval of equivalent equipment shall include the make, model, manufacturer's maximum rating, manufacturer's guaranteed emission rates, equipment drawing(s), and operational characteristics/parameters. [District Rule 2010]
8. Alternate equipment shall be of the same class and category of source as the equipment authorized by the Authority to Construct. [District Rule 2201]
9. No emission factor and no emission shall be greater for the alternate equipment than for the proposed equipment. No changes in the hours of operation, operating rate, throughput, or firing rate may be authorized for any alternate equipment. [District Rule 2201]
10. 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]
11. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
12. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
13. The unit shall not operate closer than 804 meters from the property boundary. [District Rule 4102]
14. A flame shall be present at all times when combustible gases are vented. [District Rule 2201]
15. Emission rates from this unit shall not exceed any of the following limits: 0.018 lb-NO<sub>x</sub>/MMBtu; 0.0285 lb-SO<sub>x</sub>/MMBtu; 0.0076 lb-PM<sub>10</sub>/MMBtu; 0.01 lb-CO/MMBtu; or 0.008 lb-VOC/MMBtu. [District Rule 2201]
16. The unit shall only burn produced gas and/or PUC quality gas with a fuel sulfur concentration not exceeding 10 grain/100 dscf. [District Rules 2201 and 4801]
17. This unit shall not operate for more than 720 hours in any calendar year. [District Rule 2201]
18. The permittee shall monitor and record the stack concentration of NO<sub>x</sub>, CO, and O<sub>2</sub> at least once every quarter (in any quarter that the unit is operated) using a portable emission monitor 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 quarter. [District Rule 2201] Federally Enforceable Through Title V Permit
19. If either the NO<sub>x</sub> or CO concentrations corrected to 3% O<sub>2</sub>, 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 the performing the notification and testing required by this condition. [District Rule 2201] Federally Enforceable Through Title V Permit
20. All NO<sub>x</sub>, CO, and O<sub>2</sub> 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 Rule 2201] Federally Enforceable Through Title V Permit

21. The permittee shall maintain records of: (1) the date and time of NO<sub>x</sub>, CO, and O<sub>2</sub> measurements, (2) the O<sub>2</sub> concentration in percent and the measured NO<sub>x</sub> and CO concentrations corrected to 3% O<sub>2</sub>, (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 Rule 2201] Federally Enforceable Through Title V Permit
22. The permittee shall maintain records of the number of hours this unit operates in any calendar year. [District Rule 2201]
23. Records shall be retained on-site for a period of at least five years and made available for District inspection upon request. [District Rule 2201]



## AUTHORITY TO CONSTRUCT

**PERMIT NO:** C-273-61-0

**ISSUANCE DATE:** 02/22/2019

**LEGAL OWNER OR OPERATOR:** CALIFORNIA RESOURCES PRODUCTION CORP.

**MAILING ADDRESS:** 11109 RIVER RUN BLVD  
BAKERSFIELD, CA 93311

**LOCATION:** KETTLEMAN NORTH DOME UNIT  
KINGS COUNTY, CA

**EQUIPMENT DESCRIPTION:**

41 MMBTU/HR NATURAL GAS/FIELD GAS-FIRED AEREON MODEL CEB 1200 (OR EQUIVALENT) ULTRA LOW EMISSION (ULE) BACKUP THERMAL OXIDIZER OPERATED AT VARIOUS UNSPECIFIED LOCATIONS WITHIN THE SAME STATIONARY SOURCE C-273 (UNIT 5)

## CONDITIONS

1. Authority to Construct (ATC) permits C-273-32-0 thru '-47-0 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this ATC. [District Rule 2201]
2. Prior to operating equipment under this Authority to Construct, permittee shall surrender NOx emission reduction credits for the following quantity of emissions: 1st quarter - 199 lb, 2nd quarter - 199 lb, 3rd quarter - 199 lb, and 4th quarter - 200 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16) for the ERC specified below. [District Rule 2201]
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4. Prior to operating equipment under this Authority to Construct, permittee shall surrender VOC emission reduction credits for the following quantity of emissions: 1st quarter - 88 lb, 2nd quarter - 88 lb, 3rd quarter - 89 lb, and 4th quarter - 89 lb. These amounts include the applicable offset ratio specified in Rule 2201 Section 4.8 (as amended 2/18/16) for the ERC specified below. [District Rule 2201]

### CONDITIONS CONTINUE ON NEXT PAGE

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Samir Sheikh, Executive Director / APCO



Arnaud Marjollet, Director of Permit Services

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6. The permittee shall obtain written District approval for the use of any equivalent equipment not specifically approved by this Authority to Construct. Approval of the equivalent equipment shall be made only after the District's determination that the submitted design and performance of the proposed alternate equipment is equivalent to the specifically authorized equipment. [District Rule 2201]
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