



JUL 08 2015

Mr. Ralph Braboy
Bakersfield City Wastewater #2
6901 McCutchen Rd.
Bakersfield, CA 93313

Re: Notice of Minor Title V Permit Modification
District Facility # S-2273
Project # S-1152834

Dear Mr. Braboy:

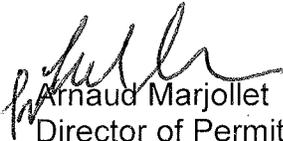
Enclosed is the District's analysis of your application for minor Title V permit modification for the facility identified above. You proposed a Title V minor permit modification to incorporate recently issued ATCs S-2273-6-4 and '-7-4 (under project S-1144545) into the Title V operating permit. The modification involves lowering the NOX emission limit of two (2) 2.0 MMBtu/hr Burnham series 4F-50 digester gas-fired boilers to 30 ppmv @ 3% O₂ for Rule 4307 compliance.

Enclosed is the engineering evaluation with the following attachments: proposed modified Title V permit, recently issued ATCs S-2273-6-4 and '-7-4, 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. Leonard Scandura, Permit Services Manager, at (661) 392-5500.

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

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

TITLE V APPLICATION REVIEW

Minor Modification
Project #: S-1152834

Engineer: Stephen Leonard
Date: June 24, 2015

Facility Number: S-2273
Facility Name: Bakersfield City Wastewater #2
Mailing Address: 6901 McCutchen Rd.
Bakersfield, CA 93313

Contact Name: Ralph Braboy
Phone: 661-326-3249

Responsible Official: Ralph Braboy, PE
Title: Wastewater Manager

I. PROPOSAL

Bakersfield City Wastewater #2 is proposing a Title V minor permit modification to incorporate the recently issued Authority to Construct (ATC) documents S-2273-6-4 & S-2273-7-4 into the Title V operating permit. The ATCs authorize the modification of two (2) 2.0 MMBtu/hr Burnham series 4F-50 digester gas-fired boilers to lower the NO_x emission limit to 30 ppmv @ 3% O₂ for Rule 4307 compliance.

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 1700 E. Planz Road, in Bakersfield.

III. EQUIPMENT DESCRIPTION

S-2273-6-5: 2 MMBTU/HR BURNHAM SERIES 4F-50 DIGESTER GAS-FIRED BOILER (BOILER #3):

S-2273-7-5: 2 MMBTU/HR BURNHAM SERIES 4F-50 DIGESTER GAS-FIRED BOILER (BOILER #4):

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

S-2273-6-5, '-7-5

Condition # on current PTO S-2273-6-3, & '-7-3	Condition # on proposed PTO S-2273-6-5, & '-7-5	Condition is: New, Modified, or Removed	Reason for Change from current PTO
8	8	Modified	Lower the NO _x emission factor from 0.102 lb/MMBtu (83 ppmv @ 3% O ₂) to 0.036 lb/MMBtu (30 ppmv @ 3% O ₂)

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.

Bakersfield City Wastewater #2
Facility # S-2273
Project # S-1152834

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 Permits S-2273-6-5 and '-7-5
- B. Authorities to Construct S-2273-6-4 and '-7-4
- C. Emissions Increases
- D. Application
- E. Previous Title V Operating Permits S-2273-6-3 and '-7-3

Bakersfield City Wastewater #2
Facility # S-2273
Project # S-1152834

ATTACHMENT A

Proposed Modified Title V Operating Permits
S-2273-6-5 and '-7-5

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2273-6-5

EXPIRATION DATE: 12/31/2017

SECTION: SE08 **TOWNSHIP:** 30S **RANGE:** 28E

EQUIPMENT DESCRIPTION:

2 MMBTU/HR BURNHAM SERIES 4F-50 DIGESTER GAS-FIRED BOILER (BOILER #3):

PERMIT UNIT REQUIREMENTS

1. This unit shall be equipped with an operational non-resettable elapsed time meter. [District Rule 4307] Federally Enforceable Through Title V Permit
2. Sampling facilities shall be provided to allow for fuel gas sampling at inlet to boiler. [District Rule 1081] Federally Enforceable Through Title V Permit
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
4. Only scrubbed digester gas and/or propane shall be used as fuel for the boiler. [District Rules 2201 and 4307] Federally Enforceable Through Title V Permit
5. The boiler shall not operate more than 2,500 hours in any consecutive 12 month period. [District Rule 4307] Federally Enforceable Through Title V Permit
6. Sulfur (S) content of digester gas burned in this unit shall not exceed 10 ppmv. [District Rules 2201 and 4307] Federally Enforceable Through Title V Permit
7. Total volume of waste gas and propane burned in permit units S-2273-6, '7, '9, '10 and '15 shall not exceed 312.89 MM Scf/yr. For the purpose of establishing this limit, 1 gallon of propane is equivalent to 148 scf of digester gas. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Emission rates shall not exceed any of the following: NOx: 0.036 lb/MMBtu (30 ppmv @ 3% O₂), SOx: 0.003 lb/MMBtu, PM₁₀: 0.008 lb/MMBtu, CO: 27 ppmv @ 3% O₂, or VOC: 0.011 lb/MMBtu. [District Rules 2201 and 4307] Federally Enforceable Through Title V Permit
9. Compliance source testing for digester gas sulfur content shall be conducted annually (or as approved by the District) within 60 days prior to the permit anniversary. [District Rules 1081 and 2201] Federally Enforceable Through Title V Permit
10. The following test methods shall be used for fuel gas sulfur content: ASTM D3246 or double GC for H₂S and mercaptans. The District shall be notified at least 30 days in advance of sulfur sampling. [District Rule 1081] Federally Enforceable Through Title V Permit
11. 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
12. The owner/operator shall have unit tuned at least twice each calendar year, from four to eight months apart, in which it operates, by a technician that is qualified, to the satisfaction of the APCO, in accordance with the procedure described in Rule 4304 (Equipment Tuning Procedure for Boilers, Steam Generators, and Process Heaters). [District Rule 4307] 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.

13. If the unit does not operate throughout a continuous six-month period within a calendar year, only one tune-up is required for that calendar year. No tune-up is required for any unit 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 the test firing is completed the unit shall be shutdown. [District Rule 4307] Federally Enforceable Through Title V Permit
14. In lieu of tuning the unit twice each calendar year, the owner/operator shall monitor the emissions with a portable NOx analyzer at least twice each calendar year and adjust the unit's operating parameters accordingly to assure compliance with the emission limits of this rule. [District Rule 4307] Federally Enforceable Through Title V Permit
15. The permittee shall maintain monthly and annual records of the total combined volume of digester gas and propane burned in permit units S-2273-6, '7, '9, '10 and '15. Records shall be kept for a period of 5 years and shall be made readily available to District staff upon request. [District Rule 1070] Federally Enforceable Through Title V Permit
16. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 4307] Federally Enforceable Through Title V Permit

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

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2273-7-5

EXPIRATION DATE: 12/31/2017

SECTION: SE08 **TOWNSHIP:** 30S **RANGE:** 28E

EQUIPMENT DESCRIPTION:

2 MMBTU/HR BURNHAM SERIES 4F-50 DIGESTER GAS-FIRED BOILER (BOILER #4)

PERMIT UNIT REQUIREMENTS

1. This unit shall be equipped with an operational non-resettable elapsed time meter. [District Rule 4307] Federally Enforceable Through Title V Permit
2. Sampling facilities shall be provided to allow for fuel gas sampling at inlet to boiler. [District Rule 1081] Federally Enforceable Through Title V Permit
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
4. Only scrubbed digester gas and/or propane shall be used as fuel for the boiler. [District Rules 2201 and 4307] Federally Enforceable Through Title V Permit
5. The boiler shall not operate more than 2,500 hours in any consecutive 12 month period. [District Rule 4307] Federally Enforceable Through Title V Permit
6. Sulfur (S) content of digester gas burned in this unit shall not exceed 10 ppmv. [District Rules 2201 and 4307] Federally Enforceable Through Title V Permit
7. Total volume of waste gas and propane burned in permit units S-2273-6, '7, '9, '10 and '15 shall not exceed 312.89 MM Scf/yr. For the purpose of establishing this limit, 1 gallon of propane is equivalent to 148 scf of digester gas. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Emission rates shall not exceed any of the following: NOx: 0.036 lb/MMBtu (30 ppmv @ 3% O₂), SOx: 0.003 lb/MMBtu, PM10: 0.008 lb/MMBtu, CO: 27 ppmv @ 3% O₂, or VOC: 0.011 lb/MMBtu. [District Rules 2201 and 4307] Federally Enforceable Through Title V Permit
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Bakersfield City Wastewater #2
Facility # S-2273
Project # S-1152834

ATTACHMENT B

Authorities to Construct
S-2273-6-4 and '-7-4



AUTHORITY TO CONSTRUCT

PERMIT NO: S-2273-6-4

ISSUANCE DATE: 05/04/2015

LEGAL OWNER OR OPERATOR: BAKERSFIELD CITY WASTEWATER #2
MAILING ADDRESS: 6901 MCCUTCHEN RD
BAKERSFIELD, CA 93313

LOCATION: 1700 E PLANZ
BAKERSFIELD, CA 93307

SECTION: SE08 **TOWNSHIP:** 30S **RANGE:** 28E

EQUIPMENT DESCRIPTION:

MODIFICATION OF 2 MMBTU/HR BURNHAM SERIES 4F-50 DIGESTER GAS-FIRED BOILER (BOILER #3): LOWER NOX TO 30 PPMV FOR RULE 4307 COMPLIANCE

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 shall be equipped with an operational non-resettable elapsed time meter. [District Rule 4307] Federally Enforceable Through Title V Permit
3. Sampling facilities shall be provided to allow for fuel gas sampling at inlet to boiler. [District Rule 1081] Federally Enforceable Through Title V Permit
4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
5. Only scrubbed digester gas and/or propane shall be used as fuel for the boiler. [District Rules 2201 and 4307] Federally Enforceable Through Title V Permit
6. The boiler shall not operate more than 2,500 hours in any consecutive 12 month period. [District Rule 4307] Federally Enforceable Through Title V Permit
7. Sulfur (S) content of digester gas burned in this unit shall not exceed 10 ppmv. [District Rules 2201 and 4307] Federally Enforceable Through Title V Permit

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-2273-6-4 May 4 2015 1:27PM - LEONARDS - Joint Inspection NOT Required

8. Total volume of waste gas and propane burned in permit units S-2273-6, '7, '9, '10 and '15 shall not exceed 312.89 MM Scf/yr. For the purpose of establishing this limit, 1 gallon of propane is equivalent to 148 scf of digester gas. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Emission rates shall not exceed any of the following: NOx: 0.036 lb/MMBtu (30 ppmv @ 3% O₂), SOx: 0.003 lb/MMBtu, PM10: 0.008 lb/MMBtu, CO: 27 ppmv @ 3% O₂, or VOC: 0.011 lb/MMBtu. [District Rules 2201 and 4307] Federally Enforceable Through Title V Permit
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AUTHORITY TO CONSTRUCT

PERMIT NO: S-2273-7-4

ISSUANCE DATE: 05/04/2015

LEGAL OWNER OR OPERATOR: BAKERSFIELD CITY WASTEWATER #2
MAILING ADDRESS: 6901 MCCUTCHEN RD
BAKERSFIELD, CA 93313

LOCATION: 1700 E PLANZ
BAKERSFIELD, CA 93307

SECTION: SE08 **TOWNSHIP:** 30S **RANGE:** 28E

EQUIPMENT DESCRIPTION:

MODIFICATION OF 2 MMBTU/HR BURNHAM SERIES 4F-50 DIGESTER GAS-FIRED BOILER (BOILER #4): LOWER NOX TO 30 PPMV FOR RULE 4307 COMPLIANCE

CONDITIONS

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CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
S-2273-7-4: May 4 2015 1:27PM - LEONARDS : Joint Inspection NOT Required

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Bakersfield City Wastewater #2
Facility # S-2273
Project # S-1152834

ATTACHMENT C

Emissions Increases

Bakersfield City Wastewater #2
Facility # S-2273
Project # S-1152834

	SSIPE (lb/yr)				
	NOx	VOC	CO	SOx	PM10
S-2273-6-5	-330	0	0	0	0
S-2273-7-5	-330	0	0	0	0
TOTAL	-660	0	0	0	0

Bakersfield City Wastewater #2
Facility # S-2273
Project # S-1152834

ATTACHMENT D

Application



San Joaquin Valley Air Pollution Control District

www.valleyair.org



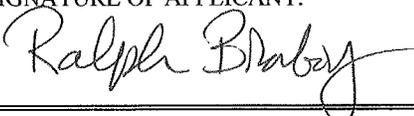
RECEIVED

JUN 05 2015

Permit Application For:

ADMINISTRATIVE AMENDMENT MINOR MODIFICATION SIGNIFICANT MODIFICATION

SJVAPCD
Southern Region

1. PERMIT TO BE ISSUED TO: <u>Bakersfield City Wastewater #2</u>	
2. MAILING ADDRESS: STREET/P.O. BOX: <u>6901 McCutchen Road</u> CITY: <u>Bakersfield</u> STATE: <u>CA</u> 9-DIGIT ZIP CODE: <u>93313</u>	
3. LOCATION WHERE THE EQUIPMENT WILL BE OPERATED: STREET: <u>1700 E Planz</u> CITY: <u>Bakersfield</u> <u> </u> ¼ SECTION <u>SE08</u> TOWNSHIP <u>30S</u> RANGE <u>28E</u>	INSTALLATION DATE: <u>March 1998</u>
4. GENERAL NATURE OF BUSINESS: Facility is a wastewater treatment plant that processes wastewater into secondary effluent and biosolids.	
5. DESCRIPTION OF EQUIPMENT OR MODIFICATION FOR WHICH APPLICATION IS MADE (include Permit #'s if known, and use additional sheets if necessary) <u>ATC Permit #: S-2273-6-4 and -7-4 (Attached)</u> <u>Both units are 2MMBtu/hr Burnham Series 4F-50 digester gas-fired boilers.</u> <u>The City would like PTOs issued for the equipment. Units were previously operating in compliance under existing PTOs. The ATCs were issued in response to the District's March 2014 Bulletin regarding Rule 4307.</u>	
6. TYPE OR PRINT NAME OF APPLICANT: <u>Ralph Braboy</u>	TITLE OF APPLICANT: <u>Wastewater Manager</u>
7. SIGNATURE OF APPLICANT: 	DATE: <u>6-4-15</u> PHONE: (661) 326-3249 FAX: (661) 852-2125 EMAIL: <u>rbraboy@bakersfieldcity.us</u>

For APCD Use Only:

NO \$

DATE STAMP	FILING FEE RECEIVED: \$ _____ CHECK#: _____
	DATE PAID: _____
	PROJECT NO: <u>S-1152834</u> FACILITY ID: <u>S-2273</u>



AUTHORITY TO CONSTRUCT

PERMIT NO: S-2273-6-4

ISSUANCE DATE: 05/04/2015

LEGAL OWNER OR OPERATOR: BAKERSFIELD CITY WASTEWATER #2
MAILING ADDRESS: 6901 MCCUTCHEN RD
BAKERSFIELD, CA 93313

LOCATION: 1700 E PLANZ
BAKERSFIELD, CA 93307

SECTION: SE08 TOWNSHIP: 30S RANGE: 28E

EQUIPMENT DESCRIPTION:
MODIFICATION OF 2 MMBTU/HR BURNHAM SERIES 4F-50 DIGESTER GAS-FIRED BOILER (BOILER #3): LOWER NOX TO 30 PPMV FOR RULE 4307 COMPLIANCE

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 shall be equipped with an operational non-resettable elapsed time meter. [District Rule 4307] Federally Enforceable Through Title V Permit
3. Sampling facilities shall be provided to allow for fuel gas sampling at inlet to boiler. [District Rule 1081] Federally Enforceable Through Title V Permit
4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
5. Only scrubbed digester gas and/or propane shall be used as fuel for the boiler. [District Rules 2201 and 4307] Federally Enforceable Through Title V Permit
6. The boiler shall not operate more than 2,500 hours in any consecutive 12 month period. [District Rule 4307] Federally Enforceable Through Title V Permit
7. Sulfur (S) content of digester gas burned in this unit shall not exceed 10 ppmv. [District Rules 2201 and 4307] Federally Enforceable Through Title V Permit

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-2273-6-4 May 4 2015 1:27PM - LEONARDS Joint Inspection NOT Required

8. Total volume of waste gas and propane burned in permit units S-2273-6, '7, '9, '10 and '15 shall not exceed 312.89 MM Scf/yr. For the purpose of establishing this limit, 1 gallon of propane is equivalent to 148 scf of digester gas. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Emission rates shall not exceed any of the following: NO_x: 0.036 lb/MMBtu (30 ppmv @ 3% O₂), SO_x: 0.003 lb/MMBtu, PM₁₀: 0.008 lb/MMBtu, CO: 27 ppmv @ 3% O₂, or VOC: 0.011 lb/MMBtu. [District Rules 2201 and 4307] Federally Enforceable Through Title V Permit
10. Compliance source testing for digester gas sulfur content shall be conducted annually (or as approved by the District) within 60 days prior to the permit anniversary. [District Rules 1081 and 2201] Federally Enforceable Through Title V Permit
11. The following test methods shall be used for fuel gas sulfur content: ASTM D3246 or double GC for H₂S and mercaptans. The District shall be notified at least 30 days in advance of sulfur sampling. [District Rule 1081] Federally Enforceable Through Title V Permit
12. 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
13. The owner/operator shall have unit tuned at least twice each calendar year, from four to eight months apart, in which it operates, by a technician that is qualified, to the satisfaction of the APCO, in accordance with the procedure described in Rule 4304 (Equipment Tuning Procedure for Boilers, Steam Generators, and Process Heaters). [District Rule 4307] Federally Enforceable Through Title V Permit
14. If the unit does not operate throughout a continuous six-month period within a calendar year, only one tune-up is required for that calendar year. No tune-up is required for any unit 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 the test firing is completed the unit shall be shutdown. [District Rule 4307] Federally Enforceable Through Title V Permit
15. In lieu of tuning the unit twice each calendar year, the owner/operator shall monitor the emissions with a portable NO_x analyzer at least twice each calendar year and adjust the unit's operating parameters accordingly to assure compliance with the emission limits of this rule. [District Rule 4307] Federally Enforceable Through Title V Permit
16. The permittee shall maintain monthly and annual records of the total combined volume of digester gas and propane burned in permit units S-2273-6, '7, '9, '10 and '15. Records shall be kept for a period of 5 years and shall be made readily available to District staff upon request. [District Rule 1070] Federally Enforceable Through Title V Permit
17. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 4307] Federally Enforceable Through Title V Permit



AUTHORITY TO CONSTRUCT

PERMIT NO: S-2273-7-4

ISSUANCE DATE: 05/04/2015

LEGAL OWNER OR OPERATOR: BAKERSFIELD CITY WASTEWATER #2
MAILING ADDRESS: 6901 MCCUTCHEN RD
BAKERSFIELD, CA 93313

LOCATION: 1700 E PLANZ
BAKERSFIELD, CA 93307

SECTION: SE08 TOWNSHIP: 30S RANGE: 28E

EQUIPMENT DESCRIPTION:

MODIFICATION OF 2 MMBTU/HR BURNHAM SERIES 4F-50 DIGESTER GAS-FIRED BOILER (BOILER #4): LOWER NOX TO 30 PPMV FOR RULE 4307 COMPLIANCE

CONDITIONS

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6. The boiler shall not operate more than 2,500 hours in any consecutive 12 month period. [District Rules 2201 and 4307] Federally Enforceable Through Title V Permit
7. Sulfur (S) content of digester gas burned in this unit shall not exceed 10 ppmv. [District Rules 2201 and 4307] Federally Enforceable Through Title V Permit

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

Arnaud Marjollet, Director of Permit Services
S-2273-7-4 May 4 2015 1:27PM - LEONARDS Joint Inspection NOT Required

8. Total volume of waste gas and propane burned in permit units S-2273-6, '7, '9, '10 and '15 shall not exceed 312.89 MM Scf/yr. For the purpose of establishing this limit, 1 gallon of propane is equivalent to 148 scf of digester gas. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Emission rates shall not exceed any of the following: NOx: 0.036 lb/MMBtu (30 ppmv @ 3% O₂), SOx: 0.003 lb/MMBtu, PM₁₀: 0.008 lb/MMBtu, CO: 27 ppmv @ 3% O₂, or VOC: 0.011 lb/MMBtu. [District Rules 2201 and 4307] Federally Enforceable Through Title V Permit
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RECEIVED

JUN 05 2015

SJVAPCD
Southern Region



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: Bakersfield City Wastewater #2	FACILITY ID: S - 2273
1. Type of Organization: <input type="checkbox"/> Corporation <input type="checkbox"/> Sole Ownership <input checked="" type="checkbox"/> Government <input type="checkbox"/> Partnership <input type="checkbox"/> Utility	
2. Owner's Name: City of Bakersfield	
3. Agent to the Owner: N/A	

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:

Ralph Braboy
Signature of Responsible Official

6-4-15
Date

Ralph Braboy
Name of Responsible Official (please print)

Wastewater Manager
Title of Responsible Official (please print)

Bakersfield City Wastewater #2
Facility # S-2273
Project # S-1152834

ATTACHMENT E

Previous Title V Operating Permits
S-2273-6-3 and '-7-3

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2273-6-3

EXPIRATION DATE: 12/31/2017

SECTION: SE08 **TOWNSHIP:** 30S **RANGE:** 28E

EQUIPMENT DESCRIPTION:

2 MMBTU/HR BURNHAM SERIES 4F-50 DIGESTER GAS-FIRED BOILER (BOILER #3)

PERMIT UNIT REQUIREMENTS

1. This unit shall be equipped with an operational non-resettable elapsed time meter. [District Rule 4307] Federally Enforceable Through Title V Permit
2. Sampling facilities shall be provided to allow for fuel gas sampling at inlet to boiler. [District Rule 1081] Federally Enforceable Through Title V Permit
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
4. Only scrubbed digester gas and/or propane shall be used as fuel for the boiler. [District Rules 2201 and 4307] Federally Enforceable Through Title V Permit
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8. Emission rates shall not exceed any of the following: NOx: 0.102 lb/MMBtu (83 ppmv @ 3% O₂), SO_x: 0.003 lb/MMBtu, PM₁₀: 0.008 lb/MMBtu, CO: 27 ppmv @ 3% O₂, or VOC: 0.011 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
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PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: BAKERSFIELD CITY WASTEWATER #2

Location: 1700 E PLANZ, BAKERSFIELD, CA 93307

S-2273-6-3 Jun 24 2015 1:27PM -- LEONARDS

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: S-2273-7-3

EXPIRATION DATE: 12/31/2017

SECTION: SE08 **TOWNSHIP:** 30S **RANGE:** 28E

EQUIPMENT DESCRIPTION:

2 MMBTU/HR BURNHAM SERIES 4F-50 DIGESTER GAS-FIRED BOILER (BOILER #4)

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