

YOLO-SOLANO AIR QUALITY MANAGEMENT DISTRICT
 1947 Galileo Court, Suite 103; Davis, CA 95618
 Phone (530) 757-3650 Fax (530) 757-3670

FACILITY NUMBER: 00025
SIC CODE: 8221

**AUTHORITY TO CONSTRUCT
 C-10-93
 IS HEREBY GRANTED TO**

**UNIVERSITY OF CALIFORNIA, DAVIS
 Office of Environmental Health & Safety
 One Shields Avenue
 Davis, CA 95616**

EQUIPMENT LOCATION: 4115 Primate Drive (Comparative Medicine), CAAN 4684, Zone #S036; Davis, CA

TO CONSTRUCT

PROCESS DESCRIPTION: Boiler: Space Heating

EQUIPMENT INVENTORY: One (1) 3.0 MMBtu/hr AERCO International natural gas fired boiler, Model Number BMK 3.0 LN, Serial Number G-10-0835

- Total Billing: Schedule 2, 3.0 MMBtu/hr -

CONTROL EQUIPMENT INVENTORY:

Low NOx Burner

PERMITTED EMISSION LIMITS:

Pollutant	Daily [lb]	Qtr #1 (Jan 1-Mar 31) [lb]	Qtr #2 (Apr 1-June 30) [lb]	Qtr #3 (July 1-Sept 30) [lb]	Qtr #4 (Oct 1-Dec 31) [lb]	Yearly [tons]
VOC	0.4	36	36	36	36	0.07
CO	3.2	287	290	293	293	0.58
NO _x	2.6	236	238	241	241	0.48
SO _x	Neg.	4	4	4	4	0.01
PM ₁₀	0.5	49	50	50	50	0.10

PERMITTED PROCESS LIMITS:

	Daily [mmscf]	Qtr #1 (Jan 1-Mar 31) [mmscf]	Qtr #2 (Apr 1-June 30) [mmscf]	Qtr #3 (July 1-Sept 30) [mmscf]	Qtr #4 (Oct 1-Dec 31) [mmscf]	Yearly [mmscf]
Natural Gas	0.072	6.480	6.552	6.624	6.624	26.280

The following information is included to inform and assist the Permit Holder in achieving compliance with applicable provisions of Federal, State, and District Rules and Regulations. The following set of referenced regulations are not intended to be either comprehensive or exclusive, nor are they intended to be emission limiting permit conditions, but they are still applicable rules of the District. Occasionally laws are amended. The amended versions of the referenced rules shall be deemed to be in effect. **It is the Permit Holder's responsibility to comply with all applicable Rules and Regulations.** Within 10 days of receiving a complaint or other legal process initiating a challenge to this Authority to Construct, or subsequent Permit to Operate, the District shall notify the applicant or Permit Holder in writing. The applicant or Permit Holder may, within 30 days of posting of the notice, request the revocation of the permit or cancellation of the application. An applicant or Permit Holder not requesting revocation or cancellation within 30 days of receipt of notice from the District shall hold harmless and defend the District, its Board members, Hearing Board members, APCO, officers, agents, employees, and representatives from liability for any award, damages, costs, and fees incurred by the District and/or awarded to any plaintiff in any action challenging the validity of this permit or any environmental or other documentation related to approval of this permit, excepting only loss, injury or damage caused by the negligence or willful misconduct of the District. [District Rule 3.4]

1. After construction of all listed process and control equipment is complete, as determined by the District, the ATC Holder shall have 45 calendar days to conduct tests and perform other necessary initial adjustments on the equipment. During this time, this Authority to Construct and its conditions shall function as a temporary Permit to Operate. Any operation of the equipment beyond this period without either District receipt of a valid Permit to Operate Notification Card or written extension from the District, will be considered operation without a permit and subject to enforcement action. The ATC Holder shall provide the District, in writing, a notice prior to commencing the 45-day start-up period. [District Rule 3.1, §402]
2. The District requires an inspection of the equipment after completion of the construction and prior to the issuance of the Permit to Operate. [District Rule 3.1, §402]
3. An authorization to construct shall remain in effect only until the application for Permit to Operate is granted or denied; however, such an authorization shall not remain in effect beyond two years from the date of issuance unless the District finds that the time required for construction requires an extension and grants one or more extensions, for a total time not to exceed five years from the date of issuance. [District Rule 3.1, §407]

The following set of conditions are established by the District to provide enforceable operating parameters as authorized by California Health and Safety Code Section 42301 and District Rule 3.1, Section 402. If any of the rules and regulations referenced below are amended subsequent to the issuance date of this permit, resulting in the amended rule differing from or superseding the corresponding condition, then the Permit Holder shall be required to comply with the amended rule or regulation and shall no longer be required to comply with the superseded condition.

4. The Permit Holder shall not discharge into the atmosphere any air contaminant for a period or periods aggregating more than three (3) minutes in any one (1) hour which is:
 - a. As dark or darker in shade than No. 1 on the Ringelmann Chart; or
 - b. Greater than or equal to 20% opacity. [District Rule 2.3 and 3.4]
5. The Permit Holder shall not release or discharge into the atmosphere particulate matter in excess of 0.01 grains per cubic foot of exhaust as calculated at standard conditions. [District Rule 2.1, 2.12 and 3.4]
6. The boiler shall be fired only on Public Utility Commission (PUC) grade pipeline natural gas. [District Rule 3.4]
7. A non-resettable, totalizing gaseous fuel flow meter shall be installed and utilized to measure the quantity (in cubic feet) of natural gas combusted by the boiler. [District Rule 3.4]
8. The Permit Holder shall monitor and record the cumulative quarterly and annual natural gas fuel usage (in cubic feet) for the boiler. The records shall be updated quarterly and made available to the District upon request. Historic annual data for the five (5) previous calendar years shall be kept and made available to the District upon request. [District Rule 3.4]
9. The following quantity of Emission Reduction Credits (ERCs) shall be surrendered to the District prior to beginning construction as authorized by Authority to Construct (ATC) C-10-93. [District Rule 3.4]

ERCs generated on-site (1.0 to 1.0 Ratio)

Pollutant	1 st Quarter [lb]	2 nd Quarter [lb]	3 rd Quarter [lb]	4 th Quarter [lb]
VOC	14	14	13	13
CO	165	166	168	168

ERCs generated within 15-mile radius (1.2 to 1.0 Ratio)

Pollutant	1 st Quarter [lb]	2 nd Quarter [lb]	3 rd Quarter [lb]	4 th Quarter [lb]

VOC	16	17	16	16
CO	198	199	202	202

ERCs generated greater than 15-mile but within 50-mile radius (1.5 to 1.0 Ratio)

Pollutant	1 st Quarter [lb]	2 nd Quarter [lb]	3 rd Quarter [lb]	4 th Quarter [lb]
VOC	20	21	20	20
CO	248	249	253	253

This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26, Part 4, Chapter 3, of the Health & Safety Codes of the State of California or the Rules and Regulations of the Yolo-Solano Air Quality Management District.

Mat Ehrhardt, P.E.
AIR POLLUTION CONTROL OFFICER

By: _____

Date of Issuance: _____