



air pollution control district
SANTA BARBARA COUNTY

Brewery Exemption Request Form APCD -38B

Santa Barbara County Air Pollution Control District
260 N. San Antonio Road, Suite A
Santa Barbara, CA 93110-1315
TEL: (805) 979-8050
Email: engr@sbcapcd.org Web Site: www.ourair.org

As provided for under the provisions of District Rule 202.K.7; brewery fermentation, bottling, kegging, canning and related operations and the associated air emissions do not require an air quality permit pursuant to District Rule 201 if the emissions from this equipment does not exceed 1.0 ton per year (as calculated using the worksheet on the reverse side of this form) and the owner/operator submits this written request for exemption. To obtain a written District determination that equipment is exempt from Rule 201 permit requirements, please complete this form and return it to the above address with the applicable **one-time only processing fee of \$862**. Please note that the District's right to charge this fee is found in Rule 210.II.B; the fee amount is specified in Schedule F (item 11). If your request for written determination is submitted without this fee, the District will return this request to you without action.

I _____ am employed by or represent
(Type or Print Name)

(Type or Print Name and Address of Business, Corporation, Co., Individual, or Agency)

and hereby submit an Exemption Request for brewery fermentation, bottling, jегging, canning and related operations and the associated air emissions. I have completed the emission calculation worksheet on page 2 of this form and emissions are less than 1 ton per year. The brewery's name, physical and mailing addresses are:

Brewery Name: _____

Physical Address: _____

Mailing Address: _____

E-mail Address: _____

I further understand that I may require permits or registration for non-fermentation and non-packaging equipment. Specifically, permits are required for: any individual (or grouping) of **boilers or large water heaters** with a rated heat input over 2.0 million BTUs per hour (MMBtu/hr), diesel fired **emergency generator sets**, and **firewater pumps** with engines rated at 50 bhp and greater. Further, I understand that any small boilers or large water heaters rated between 75,000 Btu/hr to 2,000,000 Btu/hr (heat input nameplate rating) and manufactured after October 17, 2013 must comply with District Rule 360 (see: <http://www.ourair.org/rule-360-comp>).

I certify that all the information herein is true and correct.

Signature: _____ Title: _____

Date: _____ Phone: _____



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ANNUAL BEER EMISSION CALCULATIONS (Ver. 1.0)

Step 1 – Total Annual Beer Production: _____ barrels per year

Step 2 – Annual Beer Packaging (Distribute the value identified in Step 1 into the categories below)

Step 2.A – Kegging: _____ barrels per year

Step 2.B – Bottling: _____ barrels per year

Step 2.C – Canning: _____ barrels per year

Step 3 – Emissions Factors:

Step 3.A – Fermentation: 0.003659 lb ROC per barrel

Step 3.B – Kegging: 0.00069 lb ROC per barrel

Step 3.C – Bottling: 0.01700 lb ROC per barrel

Step 3.D – Canning: 0.01400 lb ROC per barrel

Step 4 – Fermentation and Packaging Annual Emissions:

Step 4.A – Fermentation: _____ lb ROC per year (Multiply Step 1 value Step 3.A value)

Step 4.B – Kegging: _____ lb ROC per year (Multiply Step 2.A value by Step 3.B value)

Step 4.C – Bottling: _____ lb ROC per year (Multiply Step 2.B value by Step 3.C value)

Step 4.D – Canning: _____ lb ROC per year (Multiply Step 2.C value by Step 3.D value)

Step 5 – Totalized Annual Emissions: _____ lb ROC per year (Add values from Step 4.A through 4.D)

Step 6 – Converting Annual Emissions: _____ tons ROC per year (Divide Step 5 by 2,000)

Step 7 – Are your emissions less than 1.00 tons per year of ROC? ☐ YES ☐ NO

Notes:

- ROC means reactive organic compounds (ref: Rule 102)
- Emission factors based on US EPA AP-42 Section 9.12.1.2 *Malt Beverages*. (EPA, 1996)
- Breweries qualify for Rule 202.K.7 permit exemption if annual emissions are less than 1 ton per year
- An electronic copy of this worksheet is available online at <https://www.ourair.org/wp-content/uploads/Brewery.xlsx>.

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