

**APCD/AQMD RULE EVALUATION FORM -- Page 1**  
(Electronic Format)

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**I. GENERAL INFORMATION**District: San Joaquin Valley Unified Air Pollution Control DistrictRule No(s): 4692 Date adopted/Amended/Rescinded: Adopted March 21, 2002Rule Title(s): Commercial CharbroilingDate Submitted to ARB: April 8, 2002If an Amended Rule, Date Last Amended (or Adopted): N/AIs the Rule Intended to be Sent to the U.S. EPA as a SIP Revision?  Yes  No *(If No, do not complete remainder of form)*District Contact: Name Phone Number: (555) 555-5555 E-mail Address: airdistrict@xyz.govNarrative Summary of New Rule or Rule Changes:  New Rule  Amended Rule

Adopted Rule 4692, Commercial Charbroiling. The District committed in the 1994 OADP to control emissions from commercial charbroiling. Rule 4692 controls VOC and PM10 emissions from commercial charbroiling. The rule applies to chain driven charbroilers used to cook meat. Two major fast food chains, Carl's Jr. and Burger King, are known to currently use chain driven charbroilers. The rule requires the use of a flameless catalytic oxidizer to control VOC and PM10 emissions from new and existing chain driven charbroilers.

Pollutant(s) Regulated by the Rule (Check):  ROG  (NO<sub>x</sub>)  SO<sub>2</sub>  
 (CO)  PM  TAC (name): \_\_\_\_\_

**II. EFFECT ON EMISSIONS**

*Complete this section ONLY for rules that, when implemented, will result in quantifiable changes in emissions. Attach reference(s) for emission factor(s) and other information. Attach calculation sheet showing how the emission information provided below was determined.*

Net Effect on Emissions:  Increase  Decrease  N/AEmission Reduction Commitment in SIP for this Source Category: 0.03 tons/day VOC, 0.11 tons/day PMInventory Year Used to Calculate Changes in Emissions: 1999 Area Affected: SJVABFuture Year Control Profile Estimate *(Provide information on as many years as possible):*

Based on Health Department list of restaurants in the District's eight county area, there are approximately 150 restaurants that are impacted by the adoption of Rule 4692. The overall percent reduction from source specific baseline per year is approximately 83 percent.

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Baseline Inventory in the SIP for the Control Measure: 0.54 tons/day VOC, 1.28 tons/day PM

Emissions Reduction Commitment in the SIP for the Control Measure: 0.39 tons/day VOC

Revised Baseline Inventory (if any): All chain driven charbroilers combined emit 0.039 tons/day VOC, 0.13 tons/day PM.

Revised Emission Reduction Estimate (if developed): Estimated combined emission reductions from all chain driven charbroilers 0.006 tons/day VOC. Estimated combined emission reductions from all chain driven charbroilers 0.11 tons/day PM.

*Note that the district's input to the Rule Evaluation Form will not be used as input to the ARB's emission forecasting and planning.*

**III. SOURCES/ATTAINMENT STATUS**

District is:  Attainment  Nonattainment  Split

Approximate Total Number of Small (<100 TPY) Sources Affected by this Amendment: 150

Percent in Nonattainment Area: 100%

Number of Large ( $\geq$  100 TPY) Sources Controlled: None Percent in Nonattainment Area: N/A%

Name(s) and Location(s) (city and county) of Large ( $\geq$  100 TPY) Sources Controlled by Rule (*Attach additional sheets as necessary*): N/A

**IV. EMISSION REDUCTION TECHNOLOGY**

Does the Rule Include Emission Limits that are Continuous?  Yes  No

If Yes, Those Limits are in Section(s) 5.0 of the Rule.

Other Methods in the Rule for Achieving Emission Reductions are: The South Coast Air Quality Management District's Protocol, "Determination of Particulate and Volatile Organic Compound Emissions from Restaurant Operations", dated November 14, 1997, shall be used to determine the pounds of PM and VOC per 1000 pounds of meat cooked.

**V. OTHER REQUIREMENTS**

The Rule Contains:

Emission Limits in Section(s): 5.0 Work Practice Standards in Section(s): N/A

Recordkeeping Requirements in Section(s): 6.0 Reporting Requirements in Section(s): 6.0

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**VI. IMPACT ON AIR QUALITY PLAN**

No Impact       Impacts RFP       Impacts attainment

Discussion: The new rule is expected to result in emission reductions of 0.11 tons per day of PM and 0.03 tons per day of VOC. Additional reductions in VOC and PM will help the Basin achieve state and federal RFP requirements and further progress toward attainment of ozone and PM10 standards.