

Suggested Conditional Use Permit Approval Conditions

While it is now my belief that Barriques conditional use permit application should be denied and Barriques should move its coffee roasting operation to another location far from any residential area, I am submitting the following suggested conditions for approving a conditional use permit should the plan commission not listen to the nearby neighbors and give approval to the CUP anyway. Many of these conditions are similar to conditions in approved conditional permits for coffee roasting facilities in California where the government takes air pollution a little more seriously. Conditions like these are necessary to be able to document the roasting process should further complaints arise after the conditional use permit is approved.

(highlighted text is open to discussion and change)

- There shall be a maximum limit of **XXX,000 pounds (XX tons)** of green coffee beans roasted at the Park Street location per year.
- All coffee bean roasting must be performed between **9:00 AM and 4:00 PM Monday through Friday**. Saturday roasting is allowed only in instances of documented equipment maintenance issues where Barriques was unable to roast beans on one or more days. Sunday roasting is not allowed.
- A continuous log shall be kept of the total amount of coffee beans roasted each month of the year.
- Barriques shall provide continuous digital recording of the catalytic converter operation temperatures at the inlet and outlet of the catalytic converter as well as the pressure drop across the catalyst during all roasting operations. An example of this type of monitoring equipment can be found at this internet link: <http://www.dcl-inc.com//pdf/rice-neshap/RICE-NEpSHAP-Catalyst-Monitor-low-res1.pdf>
- Recorded data must be saved for at least 24 months and available for monitoring over the internet by the Madison and Dane County Health Department.
- Barriques shall discontinue coffee bean roasting if the afterburner or catalytic convertor is not working properly and must not restart roasting until the equipment has been repaired.
- A maintenance log of all roasting equipment including both regular maintenance and any equipment repairs must be kept and available for review by the Madison and Dane County Public Health Department. This log shall include all maintenance performed on the roaster; exhaust cyclones; afterburner and catalytic convertor assembly ; and exhaust ductwork.
- The City of Madison must keep a log of all smoke, fume, or odor complaints arising from the coffee bean roasting operation at Barriques at 961 South Park Street including a description of the problem, time of day, day of year, and the City response to the complaint. All complaints by letter, phone or email must be retained and made available as public records for a period of at least five years. All fume and odor complaints received by the Dane County emergency call center or Madison Police Department must be forwarded to the Madison and Dane County Health Department for documentation and review.
- If the Madison and Dane County Public Health Department receives one or more complaints per resident coming from **5 or more** individual residents who live within **500 feet** of Barriques roasting exhaust vent in a rolling **12** month period, the City shall require the review of this conditional use permit by the Plan Commission. As part of this review process, a technician certified for maintenance and repairs on afterburners and catalytic converters must inspect the equipment for proper operation and use a portable combustion gas analyzer to take readings to determine the composition of the exhaust gases and exhaust gas temperatures at the inlet and outlet of the catalytic converter and perform other tests as necessary to insure the equipment is functioning properly.
- If it is found that the afterburner and catalytic converter assembly is not sufficiently reducing the coffee roasting fumes and odor, Barriques must resolve this by either installing additional exhaust fume and odor reducing equipment or relocating the roasting operation to a new location further from any residential areas.

- Additional exhaust fume and odor reduction equipment could include a combination of high efficiency particle removal cyclones, wet scrubbers, biological oxidation systems, and electrostatic precipitators in place of the afterburner and catalytic converter system.