

**NOTICE OF CONSTRUCTION AND APPLICATION FOR APPROVAL**

*Incomplete applications delay Agency review, so please fill out your application thoroughly*

**COFFEE ROASTERS**

**FORM CR**

**AGENCY USE ONLY:** Date \_\_\_\_\_ Reg No. \_\_\_\_\_ NOC No. \_\_\_\_\_

Type of business (check) o new o existing	Status of equipment (check) o new            □ altered o existing      □ relocation	Applicant Name & Mailing Address  Phone No.: Fax No.: Email Address:
Company (or owner) name & mailing address		Installation address (Include city & zip code)

**PROCESS EQUIPMENT**

Description: \_\_\_\_\_

Maximum capacity: \_\_\_\_\_ lbs or kg/batch      Check one: \_\_\_ Water quench      \_\_\_ Air quench

No. of units: \_\_\_\_\_      Make and model: \_\_\_\_\_

Maximum heat input rating: \_\_\_\_\_ Btu/hr (or KW)      \_\_\_\_\_ acfm      \_\_\_\_\_ degrees F

**CONTROL EQUIPMENT** (Afterburner/Oxidizer):      Make and model \_\_\_\_\_

\_\_\_\_\_ Thermal      \_\_\_\_\_ Catalytic      \_\_\_\_\_ Other (specify) \_\_\_\_\_

Type of fuel:      \_\_\_\_\_ Natural gas      \_\_\_\_\_ Propane      \_\_\_\_\_ Other (specify) \_\_\_\_\_

Maximum heat input rating: \_\_\_\_\_ Btu/hr (or KW)

Enclose a narrative describing procedures for proper operation and maintenance of process and control equipment (i.e., cleaning schedule, monitoring temperature profile of thermal oxidizer, periodic calibration of controllers, temperature sensor, etc.).

**GAS CHARACTERISTICS OF CONTROL EQUIPMENT**

Average residence time (sec)	Operating chamber temperature (°F)	Maximum chamber temperature (°F)	Flow rate (acfm)
Stack height: _____ ft      Stack velocity: _____ ft/min      Stack diameter: _____ ft      Stack gas temperature: _____ degrees F			
Minutes into roast when roaster is up to temperature: _____			
Minutes into roast when afterburner is up to temperature: _____			
Minutes into the roast when beans are dropped to the cooling tray: _____			
Basic equipment cost (estimate)	Control equipment cost (estimate)	Planned start date for construction	Planned start date for operation

**Your application will not be processed unless you mail a \$1,550 filing fee payment *along with the application*. Additional fees may apply after the application is reviewed. To pay by credit card, check here  and an accounting technician will contact you.**

## PRODUCTION

Maximum pounds green coffee per month: \_\_\_\_\_ Maximum pounds per day: \_\_\_\_\_  
Natural gas/propane usage ( $10^6 \text{ft}^3/\text{yr}$ ) \_\_\_\_\_  
Minutes per batch: \_\_\_\_\_ Batches per day: \_\_\_\_\_ Days/week: \_\_\_\_\_

## EXHAUST STACK CONFIGURATION

Where does the bean cooling take place? \_\_\_\_\_

How is the bean cooling process vented? \_\_\_\_\_  
 Through afterburner       Through separate stack       Vented inside       Other (explain)

How far above the ground does the stack exhaust? \_\_\_\_\_ ft

Building Height \_\_\_\_\_ ft    Building Width \_\_\_\_\_ ft    Building Length \_\_\_\_\_ ft

## Flow Diagram & Plot Plan

Flow diagram instructions:

- (a) Flow diagram may be schematic. All equipment must be shown with any existing equipment clearly indicated.
- (b) Indicate all points in process where gaseous or particulate pollutants are emitted.
- (c) Flow chart may be attached separately if necessary. (Drawings may be submitted instead, if desired.)
- (d) Attach a plot plan showing neighboring land uses.

Certification:

I, the undersigned, certify that the information contained in this application and the accompanying forms, plans, and supplemental data described herein is to the best of my knowledge, accurate and complete.

Signature

Date

Type or print name

Title

Phone

Prepared by (signature and title)