COFFEE ROASTERS **FORM AQGP-116**

ASSIGNMENT TO BASIC or GENERAL AIR CONTAMINANT DISCHARGE PERMITSANSWER SHEET

Source Category Description:

Basic ACDP: Facilities which process less than 30 tons of roasted coffee per year.
General ACDP: Facilities which process 30 or more tons of roasted coffee per year.

1. Qualifications: For each qualification statement listed below, answer "yes" or "no" in the far right column.

a.	Do the operations meet the description provided above?	
b.	Are there any other activities identified in LRAPA Title 37, Section 37-0020, Table 1?	
c.	Do any activities other than coffee roasting occur at this site? (If yes, provide a brief description below.)	
d.	Is the facility currently in compliance with LRAPA regulations?	
e.	Have there been any violations in the last five years?	
f.	If there have been violations, have they been resolved?	
g.	Does the facility have the proper land use approvals? Stationary Sources must attach a completed Land Use Compatibility Statement.	

2. Additional Comments:

3. Individual coffee roaster information:

a.	Roaster ID			
b.	Manufacturer			
c.	Model number			
d.	Date installed			
e.	How fired? (direct/indirect)*			
f.	Destoner? (yes/no)			
g.	Rated design capacity			
h.	Amount roasted (lb/hr)			
i.	(ton/yr)			
j.	Afterburner information:			
	Manufacturer			
	Model number			
	Date installed			
	Design temperature in chamber			
	Rated control efficiency (%)			

*Direct fired – when the flame touches the coffee beans
*Indirect fired – when only the hot air touches the coffee beans

4. Maximum Projected Pollutant Emissions: Determine the maximum projected annual pollutant emissions.

Device	Maximum Projected Annual Production	Pollutant	Emission factor	Units	Control Efficiency	Emissions (tons/yr)[1]
Destoner	tons of coffee roasted	PM	1.4	lb/ton of coffee roasted		
Roaster	tons of coffee roasted	PM	4.2	lb/ton of coffee roasted		
		PM_{10}	0.6	lb/ton of coffee roasted		
Natural Gas	cubic feet	NO_X	100	Lb/million cubic feet		

[1]Annual Emissions = (Maximum Projected Annual Production x Emission Factor) x (1- (Control Efficiency/100)) ÷ 2000

Example: PM Calculation for a roaster with an afterburner: (40 tons x 4.2) x ((1-(60%/100%)) ÷ 2000 = 0.05 tons/year

Control Efficiencies:

Control Device	Pollutant	Control Efficiency (CE)
Direct-flame Afterburner	PM	60%
	PM_{10}	60%
	VOC	95%
Catalytic Converter	PM	95%
	PM_{10}	95%
	VOC	95%

5. Permit Requirements:

All conditions of the General ACDP apply to the source, unless they are listed below. The applicability of these permit conditions depends on the location of the facility, the kind of equipment the facility has and the date it was installed. For each permit condition listed below, indicate whether the condition applies to your facility by answering the question.

Permit condition	Applicability question:	Answer (yes/no)
3.2	Are afterburners used at the facility?	
7.3	Is this a new facility?	

SUBMIT THE COMPLETED APPLICATION TO:

permitting@lrapa-or.gov

Call (541) 736-1056 with any questions.