BASIC APPLICATION FOR EQUIPMENT / AIR POLLUTION PERMIT OR CERTIFICATE OF OPERATION

FORM E001
03/2011

1. Name of Company CPE Acquisition Company, dba Epiroc
(If corporation or LLC, name on file with Tennessee Secretary of State Corporate Records Division)

2. NAICS Code: 333120

3. Company Official to Contact: Justin Ford

4. Phone No. 423-509-7777

5. Mailing Address: 8822 Apison Pike | Ooltewah | TN | 37363
Street or P.O. Box | *City* | *State* | *Zip Code*

6. Physical Location
(If different from line 5)
Street | *City* | *State* | *Zip Code*

7. Application for:
☒ Installation Permit ☒ Initial Certificate of Operation ☐ Renewal Certificate of Operation

Previous Installation Permit or Certificate of Operation No.:

8. Type of equipment for which application is made:

☒ Process Equipment (Form E010 or Form E010A)	☐ Previously Submitted	☒ Attached
☐ Fuel Burning Equipment (Form E011)	☐ Previously Submitted	☐ Attached
☐ Incineration Equipment (Form E012)	☐ Previously Submitted	☐ Attached
☐ Minor Pollution Source (Form E014)	☐ Previously Submitted	☐ Attached

(Less than 1000 lbs/yr and less than 10 lbs/day total uncontrolled contaminant emissions)

The following forms are filed with this application:
E010, E106, E102

Received
AUG 12 2025
Chattanooga-Hamilton County
Air Pollution Control Bureau

9. Equipment Name:
Goff Blaster with Integral Collector

10. If application is for a Certificate of Operation (Initial or Renewal), are there any changes since previous application in the equipment or operation which might:

A. Increase, decrease, or alter process materials, fuel, refuse type, etc.? ☐ Yes ☒ No

B. Increase, decrease, or alter emissions or emission points? ☒ Yes ☐ No

11. Process Weight, lb/hr, (Item 6 on Form E010), Incineration Rate, lb/hr, (Item 3C on Form E012), or Fuel Burning Rate, 1,000 Btu/hr, (Item 7C on Form E011): 2000 lbs/hr shot media

This is to certify that I am familiar with operations concerning this equipment and the information provided on this application is true and complete to the best of my knowledge:

Mail completed form to:
CHATTANOOGA-HAMILTON COUNTY
AIR POLLUTION CONTROL BUREAU
6125 Preservation Drive, Suite 140
Chattanooga, TN 37416-3638

This form must be completely filled out before it will be processed

Name
Justin Ford
Title
Facilities Engineer
Date
8/8/25

PROCESS EQUIPMENT APPLICATION

FORM E010
01/2001

1. Name of Company: CPE Acquisition Company, dba Epiroc
   As shown on Line 1 of Form E001
2. Equipment Name: Goff Blaster with Integral Collector
   As shown on Line 9 of Form E001
3. Installation Date: 2025
4. Type of Process: ~~Bead~~ Blasting with steel grit
5. Major Raw Materials Processed: Steel
6. Process Weight: 2000 Pounds per hour
   (This is the total weight of all materials introduced into the process in pounds per hour.)
7. Control Equipment Data:
   - ☐ Emissions Uncontrolled
   - ☐ Baghouse (File Form E102)
   - ☐ Wet Collecting Device (File Form E103)
   - ☐ Inertial Separators (File Form E105)
   - ☐ Electrostatic Precipitator (File Form E104)
   - ☒ Other - Specify Integral Collector
8. Control Equipment Efficiency for each pollutant emitted by this equipment (from appropriate Forms E102, E103, E104, E105, and E107, or enter zeros if emissions are uncontrolled as noted in Item 7):

	% Efficiency
Particulates	99.999 %
SO_x	
NO_x	
CO	
VOC	
Other:	

9. Actual Total Suspended Particulate Emissions
   A. Uncontrolled Emissions: 10.496 Pounds per hour (File Form E106)
   B. Actual Emissions: _____ Pounds per hour (Submit stack test report)
   OR
   Estimated Emissions:
   $\frac{\text{(100\%-Control Efficiency (\%))}}{100\%}$ X Uncontrolled Emissions = 0.00105 Pounds per hour
10. Actual PM_{10} Emissions:
    A. Uncontrolled Emissions: _____ Pounds per hour (File Form E106)
    B. Actual Emissions: _____ Pounds per hour (Submit stack test report)
    OR
    Estimated Emissions:
    $\frac{\text{(100\%-Control Efficiency (\%))}}{100\%}$ X Uncontrolled Emissions = _____ Pounds per hour

11. Actual Sulfur Oxides Emissions:
    A. Uncontrolled Emissions: _____ Pounds per hour (File Form E106)

B. Actual Emissions: _____ Pounds per hour (Submit stack test report)

OR

Estimated Emissions:

$\frac{\text{(100\%-Control Efficiency (\%))}}{100\%}$ X Uncontrolled Emissions = _____ Pounds per hour

12. Nitrogen Oxides Emissions (lbs/hr as NO_2)

A. Uncontrolled Emissions: _____ Pounds per hour (File Form E106)

B. Actual Emissions: _____ Pounds per hour (Submit stack test report)

OR

Estimated Emissions:

$\frac{\text{(100\%-Control Efficiency (\%))}}{100\%}$ X Uncontrolled Emissions = _____ Pounds per hour

13. Other Air Contaminant Emissions - Specify

AIR CONTAMINANT	AMOUNT EMITTED (lbs/hr)

☐ The values shown were determined by actual stack test. (Submit a copy of stack test with full details)

☐ The values shown were estimated. (File Form E106 for each pollutant shown.)

14. Those emissions indicated in Item 13 may at times under normal operating conditions cause (check one or more):

☐ Odors ☐ Eye Irritations ☐ Property Damage ☐ Health Effects

☐ Other nuisances outside of plant property ☐ No environmental damage

15. Emission Point Data: N/A - Integral

Stack Height (emission point) above ground: _____ Ft.
Ground elevation above sea level at stack base: _____ Ft.
Stack Diameter: _____ Ft.
Volume of gas discharged into Atmosphere: _____ Cfm
Gas exit temperature: _____ °F

16. Average Equipment Operating Time:

Daily: 5 Hours Weekly: 5 Days Yearly: 50 Weeks

This is to certify that I am familiar with the operations concerning this equipment and that the information provided on this application is true and complete to the best of my knowledge. **This form must be completely filled out before it will be processed.**

Justin Ford	Facilities Engineer	8/8/25
Company Official	Title	Date

CHATTANOOGA-HAMILTON COUNTY
AIR POLLUTION CONTROL BUREAU
6125 Preservation Drive
Chattanooga, TN 37416

AIR POLLUTION CONTROL EQUIPMENT DATA - BAGHOUSE

FORM E102 01/2001

1. **Name of Company:** CPE Acquisition Company, dba Epiroc
   As shown on Line 1 of Form E001

2. **Name of Equipment:** Goff Blaster with Integral Collector
   As shown on Line 9 of Form E001

3. **Equipment Data:**
   Manufacturer of Baghouse: FARR
   Model Number: 116789-1 "60" Cost of Baghouse: N/A
   Date of Manufacture: 2012 Date of Installation: 2025
   Pre-cleaning Equipment ☒ No ☐ Yes _____
   If yes, what type (File appropriate form for control equipment)
   Volume of gas discharged from baghouse at dry standard conditions: 24000 dscfm
   Total cloth area of baghouse: 1692 ft^2
   Air to cloth ratio: 1.42 $\frac{Ft}{Min}$ *(Divide volume of gas discharged by total cloth area)*

4. **Pressure Drop Across Baghouse:**
   Stated by manufacturer: 4-5 Inches of H_2O
   Measured (actual): 4 Inches of H_2O
   Calculated: _____ (*K Factor*) X _____ (*Air to cloth ratio in ft/min*) = _____ Inches of H_2O
   The recommended pressure drop range in inches of H_2O is 1.5 (minimum) to 8.0 (maximum).
   If the measured or calculated pressure drop falls outside the recommended range, contact the Chattanooga-Hamilton County Air Pollution Control Bureau.

5. **Filter Data:**
   Type of fabric filters used in baghouse: Camfil 122006-000 Cellulose/Polyester
   Operating temperature: _____ °F (*Manufacturer's Recommended*) _____ °F (*Normal*) 175 °F (*Maximum*)
   If the maximum operating temperature exceeds the recommended operating temperature, contact the Chattanooga-Hamilton County Air Pollution Control Bureau.

6. **Baghouse Components:**
   Check all that apply.
   ☒ Flow rate instrumentation ☐ Inlet gas temperature instrumentation ☐ Evaporative Cooler
   ☐ Dew point indicator ☒ Differential pressure instrumentation ☐ Other (Describe) _____
   ☐ Heat Exchanger ☐ Transmissometer

7. **Baghouse Operation:**
   ☐ Continuous ☒ Intermittent

8. **Baghouse Description:**

Baghouse Inlet (dirty gas): ☐ Bottom Feed ☒ Top Feed

☐ Exterior Filtration ☐ Tangential

☐ Other (Describe): _____

Does the baghouse have a wear-resistant plate? ☐ yes ☒ no

Baghouse shape: ☒ Rectangular ☐ Cubical ☐ Cylindrical

☐ Other (Describe): _____

Baghouse volume: 106.7 Ft^3

Baghouse dimensions: 3.7 Ft *Length* 2.8 Ft *Width* 10.3 Ft *height*

Baghouse shell material: Steel

8. **Bag Cleaning:** *(check one)*

Fabric Flexing	Reverse Air Cleaning
☐ Mechanical Shaking & Rapping	☐ Reverse Jet
☐ Sonic Cleaning	☐ Reverse Flow
☐ Collapse Cleaning	☐ Manual Cleaning
☒ Pulse (pressure) – Jet Cleaning	

9. **Filter Configuration:**

☐ Panels ☐ Multiple Tube Bag

☒ Circular Cross-Section Tube ☐ Other (Describe): _____

Filter Fabric: ☐ Felted ☒ Woven Number of Compartments: 1

Filter Area: 226 Ft^2 Number of Filters per Compartment: 4

10. **Particle Size Distribution in Microns (μ):**

Particle Type(s): N/A Moisture in gas stream: _____ %

Size	0-5μ	5-10μ	10-20μ	20-44μ	Greater than 44μ
% by weight					

11. **Dust Disposal:**

☐ Automatic (screw conveyor, etc.) ☒ Manual (Describe): Drops into 55gal Barrell

How often are hoppers emptied? Every 20 hours

Name of commercial disposal company (if applicable): CMC Recycling

Is disposed material wetted for transport? ☐ Yes ☒ No

Disposal Site: 2000 Washington St, Chattanooga, TN 37408

12. **Control Efficiency:**

Manufacturer's Stated Efficiency: 99.999 %

Required Efficiency: 99.999 %

Operational Efficiency (performance testing): _____ %

Size	0-5µ	5-10µ	10-20µ	20-44µ	Greater than 44µ
% by weight					

13. **Fan Data:**

Fan Location: ☐ Clean air side (pull through) ☒ Dirty air side (push through)

Fan Design *(check one – A, B, or C)*:

Fan Type:	Blade Type:
A. ☒ Centrifugal (radial flow)	☐ Forward Curve ☐ Backward Curve ☐ Straight
B. ☐ Axial-flow (propeller)	☐ Propeller ☒ Tube Axial ☐ Vane Axial

Fan Properties:

Diameter:	32	Inches	Braking Horsepower:	10	BHP
Speed:	1765	RPM	Inlet Area:	0.73	Ft^2
Volume:		Cfm @ STP	Outlet Area:	7.07	Ft^2
Static Pressure:		Inches WC	Motor Horsepower:	10	HP

☒ Standard ☐ Heavy Duty Submitted copy of Manufacturer's Multirating Tables ☒ Yes ☐ No

Special Construction Materials:

☐ Bronze Alloys ☐ Aluminum ☐ Stainless Steel ☐ Bisonite

☐ Zinc Chromate Primer ☐ Rubber, Phenolics, Vinyls, or Epoxy Covering

C. ☐ Compressor ☐ Positive Displacement ☐ Dynamic ☐ Reciprocating

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Company Official: _____ *Signature*

Title: Facilities Engineer

Date: 8/8/25

Mail to:
CHATTANOOGA-HAMILTON
COUNTY AIR POLLUTION
CONTROL BUREAU
6125 Preservation Drive
Chattanooga, TN 37416

Do not write below this line.

_____ Engineer Approval Permit Number: _____

Special Notations: _____

Received
AUG 12 2025
Chattanooga-Hamilton County
Air Pollution Control Bureau

POLLUTION ESTIMATION FORM

FORM E106
01/2001

1. Name of Company: CPE Acquisition Company, dba Epiroc
   As shown on Line 1 of Form E001
2. Equipment Name: Goff Blaster with Integral Collector
   As shown on Line 9 of Form E001
3. Type of pollutant for which estimate is made: Shot Blast Media, dust and fines produced in operation

4. Pollution Emission Factor (PEF): 0.00984 lb PM / lb of Steel grit abrasive
   (Give value & units in lbs/ton, lbs/lb, lbs/gal, gr/ft³, etc.)

   Source of Emission Factor: SCAQMD, December 2014

5. Uncontrolled Pollution Emission Rate:

   0.00984 lb PM / lb grit (PEF from Item 4) X 1,066.667 lb/hr (Give operating rate for this equipment and the appropriate units in either lbs/hr, tons/hr, gal/hr, or cfm) = 10.496 lb/hr (Give value & units)

6. Uncontrolled Emission Rate: 10.496 lb/hr Pounds emitted per hour

This is to certify that I am familiar with the operations concerning this equipment and that the information provided on this application is true and correct to the best of my knowledge. ***This form must be completely filled out before it is processed.***

Mail to:
CHATTANOOGA-HAMILTON COUNTY
AIR POLLUTION CONTROL BUREAU
6125 Preservation Drive
Chattanooga, TN 37416

Company Official: Justin Ford

Title: Facilities Engineer

Date: 8/8/25

DO NOT WRITE BELOW THIS LINE

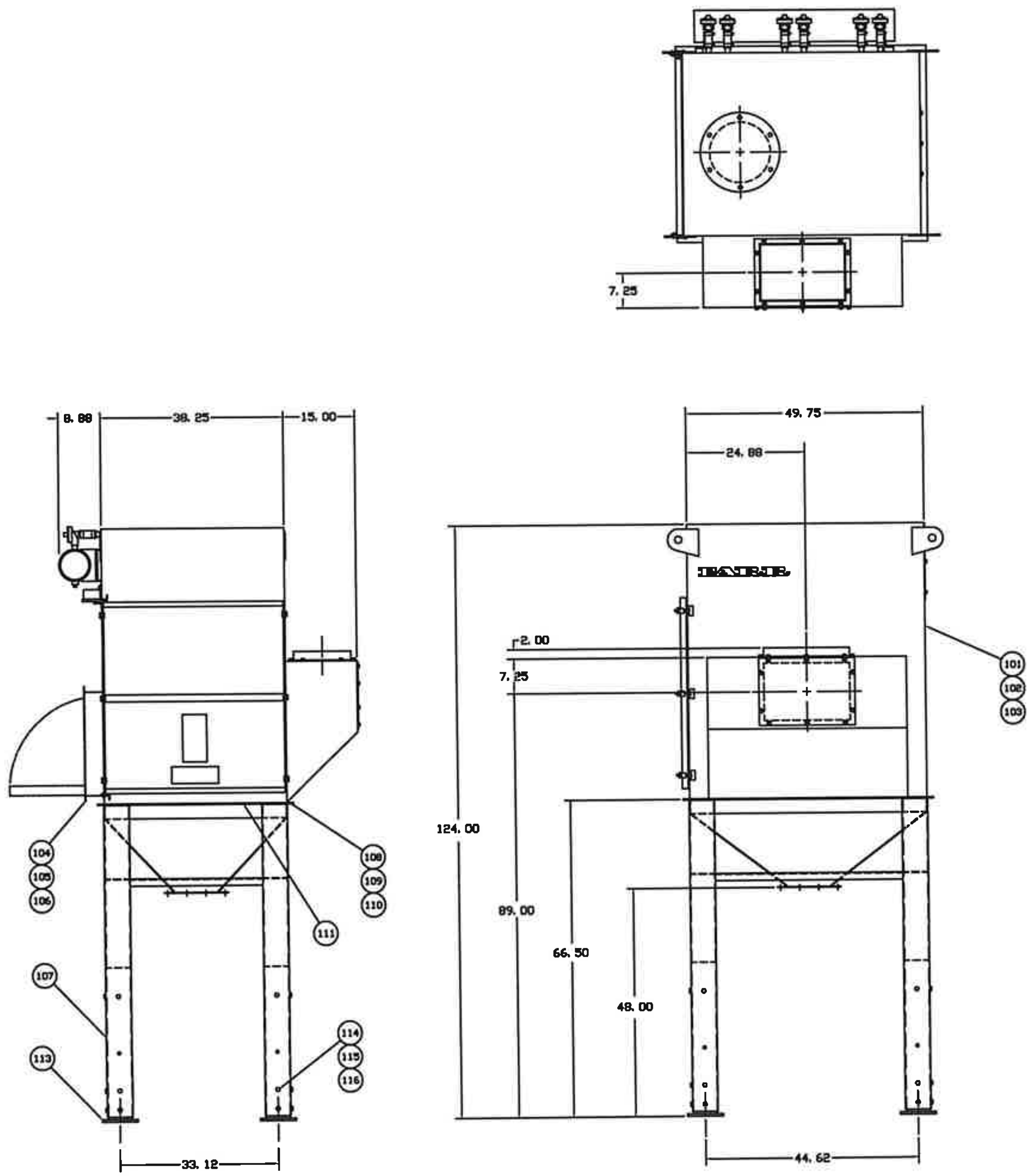
_____ Engineer Approval

This form corresponds to permit number: _____

Special Notations: _____

Received
AUG 12 2025
Chattanooga-Hamilton County
Air Pollution Control Bureau

		1						1	101	BINVENT ASSY (NEMA 4 SOLENOID)	116786	010
	1						1		102	BINVENT ASSY (NEMA 7 SOLENOID)	116786	011
1						1			103	BINVENT ASSY (NEMA 9 SOLENOID)	116786	012
					1				104	BINVENT ASSY [illegible]	116786	007
				1					105	BINVENT ASSY [illegible]	116786	008
			1						106	BINVENT ASSY [illegible]	116786	009
			1	1	1	1	1	1	107	HOPPER LEG ASSEMBLY	121202	000
			46	46	46	46	46	46	108	HEX HD BOLT, 5/16-18 X 3/4 LG	043910	203
			46	46	46	46	46	46	109	FLANGE NUT, 5/16	038105	007
			46	46	46	46	46	46	110	FLAT WASHER, 5/16	023916	003
1	1	1	1	1	1	1	1	1	111	SEALANT TAPE, 40 FT ROLL	074492	000
1	1	1	1	1	1	1	1	1	112	BULLETIN C-1000-16 [illegible]	001000	016
			4	4	4	4	4	4	113	LOWER LEG	121207	000
			24	24	24	24	24	24	114	HEX HD BOLT, 1/2-13 X 1" LG	074640	504
			24	24	24	24	24	24	115	FLANGED NUT, 1/2-13	038105	013
			24	24	24	24	24	24	116	FLAT WASHER, 1/2	074641	001
									117			
3.00 GA			4.40 GA						118	GRAY PRIMER	004038	004
1.25 GA			2.00 GA						119	OSHA BLUE TOPCOAT	110499	000



NOTES:

1. ALL ITEMS SHALL BE SHIPPED LOOSE.
2. FINISH:
   - INTERIOR: CLEAN & PHOSPHATIZE (004038005) GRAY PRIMER (004038004)
   - EXTERIOR: CLEAN & PHOSPHATIZE (004038005) GRAY PRIMER (004038004) OSHA BLUE TOPCOAT (110499000)

H REVISED HOPPER/LEG PIX

DO NOT SCALE PRINT

NONE 3-0304/3001

TK 6D MK4
W/ & W/O X-VENT

FARR COMPANY E 116789 H

PLOT SCALE .125=1