



Compression Ignition Engine APEN Form APCD-233

Air Pollutant Emission Notice (APEN) and Application for Construction Permit

All sections of this APEN and application must be completed for both new and existing facilities, including APEN updates. Incomplete APENs will be rejected and will require re-submittal. *Your APEN will be rejected if it is filled out incorrectly, is missing information, or lacks payment for the filing fee. The re-submittal will require payment for a new filing fee.*

This APEN is to be used for compression ignition or diesel reciprocating internal combustion engines. If your emission unit does not fall into that category, there may be a more specific APEN available for your source (e.g. spark ignition engine, mining operations, asphalt plant, etc.). In addition, the General APEN (Form APCD-200) is available if the specialty APEN options will not satisfy your reporting needs. A list of all available APEN forms can be found on the Air Pollution Control Division (APCD) website.

This emission notice is valid for five (5) years. Submission of a revised APEN is required 30 days prior to expiration of the five-year term, or when a reportable change is made (significant emissions increase, increase production, new equipment, change in fuel type, etc.). See Regulation No. 3, Part A, II.C. for revised APEN requirements.

Permit Number: _____ **AIRS ID Number:** _____ / _____ / _____

[Leave blank unless APCD has already assigned a permit # and AIRS ID]

Section 1 - Administrative Information

Company Name¹: _____

Site Name: _____

Site Location: _____

Site Location
County: _____

NAICS or SIC Code: _____

Mailing Address:
(Include Zip Code) _____

Contact Person: _____

Phone Number: _____

Portable Source
Home Base: _____

E-Mail Address²: _____

¹ Use the full, legal company name registered with the Colorado Secretary of State. This is the company name that will appear on all documents issued by the APCD. Any changes will require additional paperwork.

² Permits, exemption letters, and any processing invoices will be issued by the APCD via e-mail to the address provided.

Permit Number: _____

AIRS ID Number: _____ / _____ / _____

[Leave blank unless APCD has already assigned a permit # and AIRS ID]

Section 2 - Requested Action

NEW permit OR newly-reported emission source (*check one below*)

STATIONARY source PORTABLE source

Request coverage under a Construction Permit

Request coverage under General Permit GP06³

If General Permit coverage is requested, the General Permit registration fee of \$1,271.25 must be submitted along with the APEN filing fee.

- OR -

MODIFICATION to existing permit (*check each box below that applies*)

Change permit limit Change company name⁴ Add point to existing permit

Transfer of ownership⁵ Other (*describe below*)

- OR -

APEN submittal for update only (Note blank APENs will not be accepted)

- ADDITIONAL PERMIT ACTIONS -

Notification of Alternative Operating Scenario (AOS) permanent replacement⁶

APEN submittal for permit exempt/grandfathered source

Additional Info & Notes: _____

³ Only one engine may be reported per APEN for GP06 coverage. Coverage under GP06 is voluntary.

⁴ For company name change, a completed Company Name Change Certification Form (Form APCD-106) must be submitted.

⁵ For transfer of ownership, a completed Transfer of Ownership Certification Form (Form APCD-104) must be submitted.

⁶ This does not apply to General Permit GP06, as it does not contain a provision for AOS *permanent* replacements.

Section 3 - General Information

General description of equipment and purpose: _____

Company equipment Identification No. (*optional*): _____

For *existing* sources, operation began on: _____

For *new or reconstructed* sources, the projected start-up date is: _____



Permit Number: _____ AIRS ID Number: _____ / _____ / _____
 [Leave blank unless APCD has already assigned a permit # and AIRS ID]

Section 4 - Engine Information

Engine Function: Standard Peaking Power Emergency (max. 500 hrs/year) Fire Water Pump

What is the maximum number of hours this engine will be used for emergency power? _____ hours/year

Engine Make: _____ Engine Model: _____ Serial Number⁷: _____

What is the maximum designed horsepower rating? _____ hp

What is the site-rated horsepower rating? _____ hp

Is this APEN reporting an AOS replacement engine? Yes No

If yes, provide the make, model, and serial number of the *old* engine below:

Engine Make: _____ Engine Model: _____ Serial Number: _____

What is the manufactured date of this engine? _____

What is the date this engine was first located to Colorado? _____

What is the first date of operation for this engine? _____

Is this engine subject to 40 CFR, Part 60, NSPS Subpart IIII⁸? Yes No

If yes, complete the New Source Performance Standards (NSPS) - 40 CFR, Part 60, Subpart IIII Applicability APEN Addendum Form (Form APCD-214) for new and AOS applications. Attach Form APCD-214 to this APEN.

⁷ The serial number must be submitted if coverage under General Permit GP06 is requested.

⁸ Certification under NSPS IIII is required for General Permit GP06 coverage.

Section 5 - Geographical/Stack Information

Geographical Coordinates (Latitude/Longitude or UTM)

Operator Stack ID No.	Discharge Height Above Ground Level (Feet)	Temp. (°F)	Flow Rate (ACFM)	Velocity (ft/sec)

Indicate the direction of the stack outlet: (check one)

- Upward Downward Upward with obstructing raincap
 Horizontal Other (describe): _____

Indicate the stack opening and size: (check one)

- Circular Interior stack diameter (inches): _____
 Square/rectangle Interior stack width (inches): _____ Interior stack depth (inches): _____
 Other (describe): _____

Permit Number: _____ AIRS ID Number: _____ / _____ / _____
 [Leave blank unless APCD has already assigned a permit # and AIRS ID]

Section 6 - Fuel Data and Throughput Information

Fuel Use Rate @ 100% Load (gallons/hour)	Actual Annual Fuel Use (gallons/year)	Requested Annual Permit Limit ⁹ (gallons/year)

- OR -

Engine Use Rate (gallons/hour)	Actual Annual Engine Use (hours/year)	Requested Annual Permit Limit ⁹ (hours/year)

From what year is the actual annual fuel use data? _____

⁹ Requested values will become permit limitations or will be evaluated for exempt status, as applicable, and should consider future process growth. Requested values are required on all APENs, including APEN updates.

Section 7 - Criteria Pollutant Emissions Information

Attach all emission calculations and emission factor documentation to this APEN form. The APCD website has several *Compression Ignition Engine Calculators* available to assist with emission calculations.

Is any emission control equipment or practice used to reduce emissions? Yes No

If yes, describe the control equipment AND state the collection and control efficiencies:

Pollutant	Primary Control Equipment Description (e.g. oxidation catalyst)	Collection Efficiency (% of total emissions captured by control equipment)	Control Efficiency (% reduction of captured emissions)
TSP (PM)			
PM ₁₀			
PM _{2.5}			
SO _x			
NO _x			
VOC			
CO			
Other:			

From what year is the following reported actual annual emissions data? _____

Use the following table to report the criteria pollutant emissions from source:

Pollutant	Emission Factor			Actual Annual Emissions		Requested Annual Permit Emission Limit(s) ⁹	
	Uncontrolled Basis	Units	Source (AP-42, Mfg., etc.)	Uncontrolled Emissions (tons/year)	Controlled Emissions ¹⁰ (tons/year)	Uncontrolled Emissions (tons/year)	Controlled Emissions (tons/year)
TSP (PM)							
PM ₁₀							
PM _{2.5}							
SO _x							
NO _x							
VOC							
CO							

⁹ Requested values will become permit limitations or will be evaluated for exempt status, as applicable, and should consider future process growth. Requested values are required on all APENs, including APEN updates.

¹⁰ Annual emission fees will be based on actual controlled emissions reported. If source has not yet started operating, provide projected emissions.

Permit Number: _____

AIRS ID Number: _____ / _____ / _____

[Leave blank unless APCD has already assigned a permit # and AIRS ID]

Section 8 - Non-Criteria Pollutant Emissions Information

Does the emissions source have any uncontrolled actual emissions of non-criteria pollutants (e.g. HAP - hazardous air pollutant) equal to or greater than 250 lbs/year? Yes No

If yes, use the following table to report the non-criteria pollutant (HAP) emissions from source:

Chemical Name	Chemical Abstract Service (CAS) Number	Emission Factor			Actual Annual Emissions	
		Uncontrolled Basis	Units	Source (AP-42, Mfg., etc.)	Uncontrolled Emissions (lbs/year)	Controlled Emissions ¹⁰ (lbs/year)
Benzene	71432					
Toluene	108883					
Xylene	1330207					
Formaldehyde	50000					
Acetaldehyde	75070					
Other:						

¹⁰ Annual emission fees will be based on actual controlled emissions reported. If source has not yet started operating, provide projected emissions.

Section 9 - Applicant Certification

I hereby certify that all information contained herein and information submitted with this application is complete, true, and correct. If this is a registration for coverage under General Permit GP06, I further certify that this source is and will be operated in full compliance with each condition of General Permit GP06.

Signature of Legally Authorized Person (not a vendor or consultant)

Date

Name (print)

Title

Check the appropriate box to request a copy of the:

- Draft permit prior to issuance
- Draft permit prior to public notice

(Checking any of these boxes may result in an increased fee and/or processing time)

This emission notice is valid for five (5) years. Submission of a revised APEN is required 30 days prior to expiration of the five-year term, or when a reportable change is made (significant emissions increase, increase production, new equipment, change in fuel type, etc.). See Regulation No. 3, Part A, II.C. for revised APEN requirements.

Send this form along with \$216.00 and the General Permit registration fee of \$1,271.25, if applicable, to:

Colorado Department of Public Health and Environment
 Air Pollution Control Division
 APCD-SS-B1
 4300 Cherry Creek Drive South
 Denver, CO 80246-1530

For more information or assistance call:

Small Business Assistance Program
 (303) 692-3175
 OR
 (303) 692-3148

APCD Main Phone Number
 (303) 692-3150

Make check payable to:

Colorado Department of Public Health and Environment