



Asphalt Paving Materials Plant APEN Form APCD-225

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 asphalt paving materials (APM) plants, also called hot mix asphalt plants. If your emission unit does not fall into this category, there may be a more specific APEN for your source (e.g. concrete batch plant, mining operations, boiler, 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 Name ¹ :	_____	
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 Address ² : _____

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: _____ / _____ / _____
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Section 2 - Requested Action

- NEW permit OR newly-reported emission source** *(check one below)*
- STATIONARY source PORTABLE source
- OR -
- MODIFICATION to existing permit** *(check each box below that applies)*
- Change fuel or equipment Change company name³ Add point to existing permit
- Change permit limit Transfer of ownership⁴ Other *(describe below)*
- OR -
- APEN submittal for update only (Note blank APENs will not be accepted)**
- ADDITIONAL PERMIT ACTIONS -
- Limit Hazardous Air Pollutants (HAPs) with a federally-enforceable limit on Potential To Emit (PTE)**

Additional Info & Notes: _____

³ For company name change, a completed Company Name Change Certification Form (Form APCD-106) must be submitted.

⁴ For transfer of ownership, a completed Transfer of Ownership Certification Form (Form APCD-104) must be submitted.

Section 3 - General Information

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

For *existing* sources, operation began on: _____

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

Was this APM plant constructed, modified, or reconstructed after June 11, 1973? Yes No

Normal Hours of Source Operation: _____ hours/day _____ days/week _____ weeks/year

Seasonal use percentage⁵: Dec- Mar- June- Sept-
Feb: May: Aug: Nov: _____

⁵ The reported "seasonal use percentage" may become quarterly permit limits that apply during the first year of operation only. After the first year, requested annual limits will apply, as reported in Section 4B of this APEN. For example, if you report an anticipated 0% seasonal use during Dec-Feb, you may be limited to zero tons of production during the first winter of operation, but the total annual limits will apply in subsequent years. Seasonal use percentages must sum to equal 100%.

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

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

Section 4 - Processing Information & Material Use

With this application, you must submit a site map, drawn to scale, which shows the on-site haul roads, public roads, property boundary, fence boundary, aggregate storage bins, APM processing equipment, and storage silos and tanks.

Total Area of Site: _____ acres

Shortest Distance from APM Plant to property boundary: _____ feet

Plant Type: Drum Mix Parallel Flow Drum Mix Counter Flow Batch Mix Plant

Plant design rate (maximum capacity per hour): _____ tons/hour (finished product)

Maximum burner design rate: _____ Million BTU per hour

Drum Mixer: Make: _____ Model: _____ Serial: _____

Drum Burner: Make: _____ Model: _____ Serial: _____

Section 4A: Main Burner Fuel Type(s):

Primary Fuel Type: (check fuel for which approval is requested)

Diesel (No. 2 Fuel Oil) Propane On-Specification Industrial Oil in compliance with 40 CFR Part 279

Natural Gas Other: _____

Backup or Alternative Fuel Type (if applicable, check all fuels for which approval is requested):

Diesel (No. 2 Fuel Oil) Propane On-Specification Industrial Oil in compliance with 40 CFR Part 279

Natural Gas Other: _____

Section 4B: Production of Asphalt Paving Materials (APM):

APM temperature range: _____ ° F (e.g. 280 - 320 ° F)

Requested total annual permit limit⁶: _____ tons/year

Requested total annual permit limit of APM produced using backup or alternative fuel (if applicable)⁶: _____ tons/year

Actual annual production level: _____ tons/year

From what year is the actual annual production level, as listed above? _____ (e.g. 2015)

Primary Emissions Control

Type of control device: _____ (baghouse, scrubber, etc.)

Overall control efficiency (% reduction in emissions): _____

Manufacturer: _____ Model: _____ Serial: _____

Secondary Emissions Control

Type of control device: _____ (knockout box, cyclone, etc.)

Manufacturer: _____ Model: _____ Serial: _____

Section 4C: Lime or Mineral Filler Storage Silos:

Requested annual throughput⁶: _____ tons/year

Actual annual throughput: _____ tons/year

From what year is the actual annual throughput? _____ (e.g. 2015)

What type of emissions controls are on storage silo(s) for loading? _____ (bag filter, bin vents, etc.)

⁶ 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.

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Section 4D: APM Product Silo Capture and Control System:

Type of control device: _____ (e.g. mist eliminator, return air/blue smoke control, etc.)
 Overall control efficiency (% reduction in emissions): _____
 Manufacturer: _____ Model: _____ Serial: _____

Section 5 - Main APM Plant Stack Information

Geographical Coordinates <i>(Latitude/Longitude or UTM)</i>

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

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

Upward 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): _____

Section 6 - Fugitive Dust Emission Sources

What type of dust controls are used for aggregate storage piles?

(Emissions controls for storage piles may include, but are not limited to: full or partial enclosures, use of pre-washed aggregate, watering, etc.)

Section 6A: Transport of aggregate to the site from an off-site location (if plant is not located at a mine).

Max amount of aggregate + RAP received: _____ tons/day _____ tons/year

	<u>Haul Vehicle 1</u>	<u>Haul Vehicle 2</u>	<u>Haul Vehicle 3</u>	
Haul vehicle capacity:	_____	_____	_____	tons
Haul vehicle empty weight:	_____	_____	_____	tons
Max number of trips per day:	_____	_____	_____	
Haul road length (avg. one way):	_____	_____	_____	feet
Posted speed limit on haul road:	_____	_____	_____	mph

Permit Number: _____

AIRS ID Number: _____ / _____ / _____

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

List all air pollution controls used for the on-site haul roads to transport aggregate to the site:

Paved Surface

Street sweeping: No Yes

Unpaved Surface

Watering: None As needed Frequent⁷: _____ times/day

Surface is graveled: No Yes

Chemical stabilizer applied: No Yes Type: _____
(e.g. mag chloride, resin, etc.)

⁷ If "Frequent" is selected, your permit may include a requirement to water haul roads daily as often as listed in this APEN.

Section 6B: On-site moving of aggregate from storage piles to storage bins.

	<u>Loader 1</u>	<u>Loader 2</u>	<u>Loader 3</u>	
Haul vehicle capacity:	_____	_____	_____	tons
Haul vehicle empty weight:	_____	_____	_____	tons
Max number of trips per day:	_____	_____	_____	
Haul road length (avg. one way):	_____	_____	_____	feet
Posted speed limit on haul road:	_____ mph			

List all air pollution controls used for the on-site haul roads between aggregate storage piles and the APM storage bins:

Paved Surface

Street sweeping: No Yes

Unpaved Surface

Watering: None As needed Frequent⁷: _____ times/day

Surface is graveled: No Yes

Chemical stabilizer applied: No Yes Type: _____
(e.g. mag chloride, resin, etc.)

⁷ If "Frequent" is selected, your permit may include a requirement to water haul roads daily as often as listed in this APEN.

Section 6C: Removal of asphalt paving material from the site.

	<u>Haul Vehicle 1</u>	<u>Haul Vehicle 2</u>	<u>Haul Vehicle 3</u>	
Haul vehicle capacity:	_____	_____	_____	tons
Haul vehicle empty weight:	_____	_____	_____	tons
Max number of trips per day:	_____	_____	_____	
Haul road length (avg. one way):	_____	_____	_____	feet
Posted speed limit on haul road:	_____ mph			

Permit Number: _____

AIRS ID Number: _____ / _____ / _____

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

List all air pollution controls used for the on-site haul roads between APM plant and the site exit:

Paved Surface

Street sweeping: No Yes

Unpaved Surface

Watering: None As needed Frequent⁷: _____ times/day

Surface is graveled: No Yes

Chemical stabilizer applied: No Yes Type: _____

(e.g. mag chloride, resin, etc.)

⁷ If “Frequent” is selected, your permit may include a requirement to water haul roads daily as often as listed in this APEN.

Section 7 - Criteria Pollutant Emissions Information

Check this box if the APEN is for a new or previously unreported APM plant (i.e. no permit has been issued) and skip to Section 9.

Attach all emission calculations and emission factor documentation to this APEN form.

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

Use the following tables to report criteria pollutant emissions from each individual point source AND the total combined APM plant emissions:

(Use the data reported in Section 4 and emission factors located in the “Notes to Permit Holder” section of your permit to calculate these emissions.)

Main Plant Mixer emissions while operating on primary fuel:

Primary Fuel Type (natural gas, #2 diesel, etc.)	Pollutant	Uncontrolled Emission Factor (lb/ton of APM)	Controlled Emission Factor (lb/ton of APM)	Emission Factor Source (AP-42, Mfg., Permit, etc.)	Actual Annual Emissions	
					Uncontrolled (tons/year)	Controlled ⁸ (tons/year)
	TSP (PM)					
	PM ₁₀					
	PM _{2.5}					
	SO _x					
	NO _x					
	CO					
	VOC					

Drum Mixer emissions while operating on secondary or backup fuel (if applicable):

Check this box if the drum mixer burner did not combust a secondary fuel during this reporting period or the permit does not include emission factors for this activity, and skip to the next table.

Secondary Fuel Type (natural gas, #2 diesel, etc.)	Pollutant	Uncontrolled Emission Factor (lb/ton of APM)	Controlled Emission Factor (lb/ton of APM)	Emission Factor Source (AP-42, Mfg., Permit, etc.)	Actual Annual Emissions	
					Uncontrolled (tons/year)	Controlled ⁸ (tons/year)
	TSP (PM)					
	PM ₁₀					
	PM _{2.5}					
	SO _x					
	NO _x					
	CO					
	VOC					

⁸ Annual emission fees will be based on actual controlled emissions reported.

Permit Number: _____

AIRS ID Number: _____ / _____ / _____

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

Finished asphalt paving material storage silo emissions:

Check this box if the permit does not include emission factors for this point, and skip to the next table.

Pollutant	Uncontrolled Emission Factor (lb/ton of APM)	Controlled Emission Factor (lb/ton of APM)	Emission Factor Source (AP-42, Mfg., Permit, etc.)	Actual Annual Emissions	
				Uncontrolled (tons/year)	Controlled ⁸ (tons/year)
TSP (PM)					
PM ₁₀					
PM _{2.5}					
VOC					

Lime silo emissions:

Check this box if the permit does not include emission factors for this point and skip to the next table.

Pollutant	Uncontrolled Emission Factor (lb/ton of lime)	Emission Factor Source (AP-42, Mfg., Permit, etc.)	Actual Annual Emissions	
			Uncontrolled (tons/year)	Controlled ⁸ (tons/year)
TSP (PM)				
PM ₁₀				
PM _{2.5}				

Total combined point source criteria pollutant emissions (combined values from previous emissions tables):

Pollutant	Actual Annual Emissions	
	Uncontrolled (tons/year)	Controlled ⁸ (tons/year)
TSP (PM)		
PM ₁₀		
PM _{2.5}		
SO _x		
NO _x		
CO		
VOC		

⁸ Annual emission fees will be based on actual controlled emissions reported.

Section 8 - Non-Criteria Pollutant Emissions Information

Check this box if the APEN is for a new or previously unreported APM plant (i.e. no permit has been issued) and skip to Section 9.

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 this source:

CAS Number	Chemical Name	Overall Control Efficiency	Uncontrolled Emission Factor (Specify Units)	Emission Factor Source (AP-42, Permit, Mfg., etc.)	Uncontrolled Actual Emissions (lbs/year)	Controlled Actual Emissions ⁸ (lbs/year)

⁸ Annual emission fees will be based on actual controlled emissions reported.

Permit Number: _____

AIRS ID Number: _____ / _____ / _____

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

Section 9 - Applicant Certification

I hereby certify that all information contained herein and information submitted with this application is complete, true, and correct.

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 to:

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

Make check payable to:

Colorado Department of Public Health and Environment

For more information or assistance call:

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

APCD Main Phone Number
(303) 692-3150