



# Concrete Batch Plant APEN Form APCD-224

## 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 concrete batch plants. If your emission unit does not fall into that category, there may be a more specific APEN for your source (e.g. mining operations, asphalt plant, crusher/screen, 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]

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### Section 1 - Administrative Information

Company Name <sup>1</sup> :	_____	
Site Name:	_____	
Site Location:	_____	Site Location County: _____
	_____	
Mailing Address: <i>(Include Zip Code)</i>	_____	NAICS or SIC Code: _____
	_____	
Portable Source Home Base:	_____	Contact Person: _____
	_____	Phone Number: _____
	_____	E-Mail Address <sup>2</sup> : _____

<sup>1</sup> 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.

<sup>2</sup> Permits and any processing invoices will be issued by the APCD via e-mail to the address provided.



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**Section 4A: Check all the processes that are performed at the site.**

<u>Process</u>	<u>SCC Code</u>	<u>List Controls</u>
<input type="checkbox"/> Sand and Aggregate Transfer to Storage Piles	3-05-011-06	_____
<input type="checkbox"/> Sand and Aggregate Transfer - Conveyor	3-05-011-06	_____
<input type="checkbox"/> Sand and Aggregate Transfer to Elevated Bin	3-05-011-06	_____
<input type="checkbox"/> Cement and Fly Ash Loading To Storage Bins		_____
<input type="checkbox"/> Pneumatic		_____
<input type="checkbox"/> Other		_____
<input type="checkbox"/> Weigh Hopper Loading	3-05-011-08	_____
<input type="checkbox"/> Mixer Loading ( <i>Central Mix</i> )	3-05-011-09	_____
<input type="checkbox"/> Truck Loading ( <i>Truck Mix</i> )	3-05-011-10	_____
<input type="checkbox"/> Vehicle Traffic ( <i>Unpaved Roads</i> )	3-05-025-04	_____
<input type="checkbox"/> Wind Erosion From Sand and Aggregate Storage Piles	3-05-025-07	_____

**Section 4B: Emissions from aggregate storage piles.**

Maximum Stored at One Time: \_\_\_\_\_ tons

Proposed Controls for Aggregate Stockpile:

- Watering \_\_\_\_\_ times/day
- Use of Pre-washed Aggregate
- Enclosures Type: \_\_\_\_\_ (*Complete or Partial*)
- Other (*specify*): \_\_\_\_\_

**Section 4C: Transport of aggregate to the site from an off-site location (if plant is not located at a mine).**

Amount of aggregate 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 ( <i>avg. one way</i> ):	_____	_____	_____	feet
Posted speed limit on haul road:	_____ mph			

List air pollution controls used for the on-site haul roads:

- Paved Surface
  - Street sweeping:  No  Yes
- Unpaved Surface
  - Watering:  None  As needed  Frequent<sup>6</sup>: \_\_\_\_\_ times/day
  - Surface is graveled:  No  Yes
  - Chemical stabilizer applied:  No  Yes Type: \_\_\_\_\_  
*(e.g. mag chloride, resin, etc.)*

<sup>6</sup> If "Frequent" is selected, your permit may include a requirement to water haul roads daily as often as listed in this APEN.

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

**Section 4D: Transport of aggregate to the site from an on-site location (if plant is located at a mine).**

Amount of aggregate received: \_\_\_\_\_ tons/day \_\_\_\_\_ tons/year

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

List air pollution controls used for the on-site haul roads:

- Paved Surface
  - Street sweeping:  No  Yes
- Unpaved Surface
  - Watering:  None  As needed  Frequent<sup>6</sup>: \_\_\_\_\_ times/day
  - Surface is graveled:  No  Yes
  - Chemical stabilizer applied:  No  Yes Type: \_\_\_\_\_  
*(e.g. mag chloride, resin, etc.)*

<sup>6</sup> If "Frequent" is selected, your permit may include a requirement to water haul roads daily as often as listed in this APEN.

**Section 4E: Transport of cement and fly ash to 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			

List air pollution controls used for the on-site haul roads:

- Paved Surface
  - Street sweeping:  No  Yes
- Unpaved Surface
  - Watering:  None  As needed  Frequent<sup>6</sup>: \_\_\_\_\_ times/day
  - Surface is graveled:  No  Yes
  - Chemical stabilizer applied:  No  Yes Type: \_\_\_\_\_  
*(e.g. mag chloride, resin, etc.)*

<sup>6</sup> If "Frequent" is selected, your permit may include a requirement to water haul roads daily as often as listed in this APEN.

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

**Section 4F: 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 air pollution controls used for the on-site haul roads:

- Paved Surface
  - Street sweeping:  No  Yes
- Unpaved Surface
  - Watering:  None  As needed  Frequent<sup>6</sup>: \_\_\_\_\_ times/day
  - Surface is graveled:  No  Yes
  - Chemical stabilizer applied:  No  Yes Type: \_\_\_\_\_  
*(e.g. mag chloride, resin, etc.)*

<sup>6</sup> If "Frequent" is selected, your permit may include a requirement to water haul roads daily as often as listed in this APEN.

**Section 4G: Removal of concrete 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			

List air pollution controls used for the on-site haul roads:

- Paved Surface
  - Street sweeping:  No  Yes
- Unpaved Surface
  - Watering:  None  As needed  Frequent<sup>6</sup>: \_\_\_\_\_ times/day
  - Surface is graveled:  No  Yes
  - Chemical stabilizer applied:  No  Yes Type: \_\_\_\_\_  
*(e.g. mag chloride, resin, etc.)*

<sup>6</sup> If "Frequent" is selected, your permit may include a requirement to water haul roads daily as often as listed in this APEN.

**Section 4H: Additional sources of emissions.**

List any other sources of emissions and related controls (e.g. crushers, screens, generator engines, additional fugitive emissions sources, etc.)

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Permit Number: \_\_\_\_\_

AIRS ID Number: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

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

**Section 5 - Main Mixer Baghouse Stack Information**

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

Discharge Height Above Ground Level <i>(Feet)</i>	Temp. <i>(°F)</i>	Flow Rate <i>(ACFM)</i>	Velocity <i>(ft/sec)</i>

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):* \_\_\_\_\_

**Section 6 - Combustion Equipment & Fuel Consumption Information**

Check box if this information is not applicable to the source and skip to Section 7. You may check this box if there is no fuel-burning equipment or boilers associated with this plant, or if any associated boiler is fired on gaseous fuel and is rated at less than or equal to 5 MMBtu/hr.

Design Input Rate <i>(MMBTU/hr)</i>	Actual Annual Fuel Use <i>(Specify Units)</i>	Requested Annual Permit Limit <sup>5</sup> <i>(Specify Units)</i>

From what year is the *actual annual fuel use data*? \_\_\_\_\_

Indicate the type of fuel used<sup>5</sup>:

- Pipeline Natural Gas                      *(assumed fuel heating value of 1,020 BTU/SCF)*  
 Ultra Low Sulfur Diesel                      *(assumed fuel heating value of 138,000 BTU/gallon)*  
 Propane                      *(assumed fuel heating value of 2,300 BTU/SCF)*

<sup>5</sup> 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.

Permit Number: \_\_\_\_\_

AIRS ID Number: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

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

**Section 7 - Criteria Pollutant Emissions Information**

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

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	Control Equipment Description	Collection Efficiency (% of total emissions captured by control equipment)	Control Efficiency (% reduction of captured emissions)
TSP (PM)			
PM <sub>10</sub>			
PM <sub>2.5</sub>			
SO <sub>x</sub>			
NO <sub>x</sub>			
CO			
VOC			
Other:			

**Section 8 - 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)

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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

For more information or assistance call:

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

Make check payable to:

Colorado Department of Public Health and Environment

APCD Main Phone Number  
 (303) 692-3150