- MINING OPERATIONS -

GENERAL INSTRUCTIONS FOR FUGITIVE PARTICULATE AIR POLLUTANT EMISSION NOTICE / CONTROL PLAN

Complete only those sections of this form which are applicable to your operation. All data given, such as production rates, topsoil removal, etc., should be for that period of 12 months that is expected to have the greatest amount of activity, usually for the first year. Emissions will be calculated in terms of pounds per day and tons per year of particulates generated. Also, please submit the following, if available:

1. A map showing site location and boundaries, haul roads, and nearby residences or commercial structures.

2. Production schedule.

3. Schematic of the operation.

4. Engineering or manufacturing data on control equipment.

PERMITS REQUIRED

Fugitive Particulate Emission Permits are issued for site-specific activities, such as mining, storage of materials, haul road activities, etc.

The Division will use the information submitted on this form to estimate emissions from the activity.

Any processing equipment, such as a crusher, screen, concrete batch plant, or asphalt plant is considered to be portable and requires a separate permit application, Air Pollution Emission Notice, and filing fee.

This aids the applicant by requiring only a revised Air Pollution Emission Notice for Relocation, whenever the equipment is moved to a new site.

FEES

A filing fee of $152.90 shall accompany each Air Pollution Emission Notice / Control Plan filed with a permit application. Permit processing fees will be charged for the amount of time the Division spends evaluating the permit application. These fees, (currently $76.45 per hour) plus any required public notice fees, must be paid before an Initial Approval Permit will be issued. Once the project has commenced operation, the source has 180 days to certify compliance with the permit conditions. Once the source has self-certified, Final Approval processing will begin. Final Approval Permit processing fees must be paid before the Final Approval Permit is issued.

For more information or assistance call:

Small Business Assistance Program
(303) 692-3148

Small Business Ombudsman
(303) 692-2135

THIS PAGE INTENTIONALLY LEFT BLANK

- MINING OPERATIONS -

Air Pollutant Emission Notice (APEN) – and – Application for Construction Permit - and – Fugitive Particulate Emissions Control Plan

☐ New Facility ☐ Transfer of Ownership * ☐ Change in Production ☐ No Change, APEN Update Only

All sections of this APEN and application must be completed prior to submittal to the Division for both new and existing facilities. An application with missing information may be determined incomplete and may result in longer engineer processing times.

* Note: For transfer of ownership or company name change of a permit, you must also submit a Construction Permit Application form.

Permit Number _____ **AIRS Number** _____

Company Name: _____
Pit/Mine Name: _____ County: _____
Pit/Mine Location: _____
Billing Address: _____ Zip Code: _____
_____
Person to Contact: _____ Phone Number: _____
E-Mail Address: _____ Fax Number: _____

Please provide description of the activity: (Also, please provide a site map)

_____
_____
_____

If facility is NOT yet constructed:
What is the projected start-up date? _____

Normal Operation of this Source:
_____ Hours per day _____ Days per week _____ Weeks per year

Seasonal Throughput (% of Annual):
Dec - Feb _____ Mar - May _____ June - Aug _____ Sept - Nov _____

Actual Annual Production: _____ Tons Per Year Actual Data Year:_____(i.e. 2010)

Requested Annual Production: _____ Tons Per Year
(The requested level will be your permit limit (maximum allowed))

Commodity Produced: (Please be consistent with the Division of Minerals and Geology permit)
- ☐ Aggregate / Sand and Gravel
- ☐ Stone
- ☐ Coal
- ☐ Minerals or Metals Type:
- ☐ Other:

- MINING OPERATIONS -

ESTIMATED EMISSIONS

			Year For Which Actual Data Applies:	
Pollutant	Estimated Emissions (tons/yr) at throughputs requested		Actual Emissions From Data Year	Estimation Method
	Controlled	Uncontrolled		
Particulate				
PM-10				

A. TOPSOIL REMOVAL

Maximum Tons Removed Per Day: _____

Tons Removed Per Year: _____

Proposed Controls For **Topsoil** Removal:

- ☐ Moist Material
- ☐ Water Spray
- ☐ Other **(specify)** _____

B. TOPSOIL STOCKPILE(S)

Maximum Stored At One Time: _____ Tons

Proposed Controls For **Topsoil Stockpile**:

- ☐ Watering _____ Times/Day
- ☐ Chemical Stabilizer
- ☐ Compacting Of Piles
- ☐ Enclosures Type: _____ (Complete or Partial)
- ☐ Revegetation Revegetation Must Occur Within One Year Of Soil Disturbance
- ☐ Other **(specify)** _____

C. OVERBURDEN REMOVAL

Equipment Used For Removal: Scraper, Dragline, or Both

Maximum Tons Removed Per Day By Dragline: _____

Tons Removed Per Year By Dragline: _____

Number Of Scraper Hours Per Day: _____

Number Of Scraper Hours Per Year: _____

Proposed Controls For **Overburden** Removal:

- ☐ Moist Material
- ☐ Water Spray
- ☐ Other **(specify)** _____

- MINING OPERATIONS -

D. OVERBURDEN STOCKPILE(S)

Maximum Stored At One Time _____ Tons

Proposed Controls For **Overburden Stockpile:**

- ☐ Watering _____ Times/Day
- ☐ Chemical Stabilizer
- ☐ Compacting Of Piles
- ☐ Enclosures _____ (Complete or Partial)
- ☐ Revegetation Revegetation Must Occur Within One Year Of Soil Disturbance
- ☐ Other **(specify)** _____

E. DRILLING

Number Of Holes Drilled Per Day: _____

Number Of Holes Drilled Per Year: _____

Proposed Controls For **Drilling:**

- ☐ Water Injection
- ☐ Chemical Stabilizer
- ☐ Bag Collectors
- ☐ Other **(specify)** _____

F. BLASTING

Number Of Blasts Per Day: _____

Number Of Blasts Per Year: _____

Type of Blasting Material Used: _____

Tons of Blasting Material Used: _____

Hours Of Emissions Per Day: _____

G. RAW MATERIAL REMOVAL

Maximum Tons Removed Per Day: _____

Tons Removed Per Year: _____

Drop Height: _____ Feet

Specify Moisture Content: _____ %, (if known)

Proposed Controls For **Raw Material** Removal:

- ☐ Moist Material
- ☐ Water Spray
- ☐ Other **(specify)** _____

H. RAW MATERIAL STOCKPILE(S)

Maximum Stored At One Time: _____

Proposed Controls For **Raw Material Stockpile**:

- ☐ Watering _____ Times/Day
- ☐ Chemical Stabilizer
- ☐ Compacting Of Piles
- ☐ Enclosures Type: _____ (Complete or Partial)
- ☐ Revegetation Revegetation Must Occur Within One Year Of Soil Disturbance
- ☐ Other **(specify)** _____

- MINING OPERATIONS -

I. PROCESSING

Will processing (i.e., crushing, screening, etc.) occur on site? Yes / No

NOTE: ALL PROCESS EQUIPMENT REQUIRES A SEPARATE PERMIT APPLICATION AND APEN.

PRIMARY CRUSHING

Maximum tons crushed per year: _____ Tons
Maximum tons crushed per hour: _____ Tons
Hours of crushing per day: _____
Proposed Controls:
- ☐ Moist Material
- ☐ Water Spray
- ☐ Enclosure Type: _____
- ☐ Other **(specify)** _____

SCREENING/CLASSIFYING

Maximum tons screened per year: _____ Tons
Maximum tons screened per hour: _____ Tons
Hours of screening per day: _____
Proposed Controls:
- ☐ Moist Material
- ☐ Water Spray
- ☐ Enclosure Type: _____
- ☐ Other **(specify)** _____

SECONDARY CRUSHING

Maximum tons crushed per year: _____ Tons
Maximum tons crushed per hour: _____ Tons
Hours of crushing per day: _____
Proposed Controls:
- ☐ Moist Material
- ☐ Water Spray
- ☐ Enclosure Type: _____
- ☐ Other **(specify)** _____

RESCREENING/CLASSIFYING

Maximum tons screened per year: _____ Tons
Maximum tons screened per hour: _____ Tons
Hours of screening per day: _____
Proposed Controls:
- ☐ Moist Material
- ☐ Water Spray
- ☐ Enclosure Type: _____
- ☐ Other **(specify)** _____

J. CONVEYORS/TRANSFER POINTS

Tons Of Material Conveyed Per Year _____ Tons.
Tons Of Material Conveyed Per Day _____ Tons.
Proposed Controls
- ☐ Enclosure Type: _____ (Complete or Partial)
- ☐ Other **(specify)** _____

Number Of Transfer Points : _____
Proposed Controls
- ☐ Enclosure Type: _____ (Complete or Partial)
- ☐ Water Spray
- ☐ Chemical Stabilizer
- ☐ Other **(specify)** _____

(Indicate On A Separate Diagram How Conveyor System Is Set Up)

- MINING OPERATIONS -

K. FINISHED PRODUCT STOCKPILE(S)

Maximum Stored At One Time: _____ Tons

Proposed Controls For **Finished Product Stockpile**:

- ☐ Watering _____ Times/Day
- ☐ Chemical Stabilizer
- ☐ Compacting Of Piles
- ☐ Enclosures Type: _____ (Complete or Partial)
- ☐ Revegetation Revegetation Must Occur Within One Year Of Soil Disturbance
- ☐ Other **(specify)** _____

L. RAW MATERIAL TRANSPORT FROM REMOVAL SITE TO STOCKPILE(S)

Haul road distance (one way) _____ Feet

Road surface silt content (if known) _____ %

Posted speed limit on haul road _____ m.p.h.

- ☐ Watering
  - ☐ Frequent (Watering Frequency of 2 or More Times Per Day)
  - ☐ As Needed
- ☐ Chemical Stabilizer
- ☐ Gravelling

Other: _____

	Vehicle Type	Capacity	Empty Weight	No. Of Trips Per/Day
1	18-Wheelers	_____ Tons	_____ Tons	_____
2	10-Wheelers	_____ Tons	_____ Tons	_____
3	4-Wheelers	_____ Tons	_____ Tons	_____
4	_____	_____ Tons	_____ Tons	_____

M. FINISHED PRODUCT TRANSPORT (ON SITE)

Amount of material for off-site transfer: _____ Tons per year

On-site haul road distance (one way) _____ Feet

Road surface silt content (if known) _____ %

Posted speed limit on-site: _____ m.p.h.

- ☐ Watering
  - ☐ Frequent (Watering Frequency of 2 or More Times Per Day)
  - ☐ As Needed
- ☐ Chemical Stabilizer
- ☐ Gravelling
- ☐ Paving

Other: _____

	Vehicle Type	Capacity	Empty Weight	No. Of Trips Per/Day
1	18-Wheelers	_____ Tons	_____ Tons	_____
2	10-Wheelers	_____ Tons	_____ Tons	_____
3	4-Wheelers	_____ Tons	_____ Tons	_____
4	_____	_____ Tons	_____ Tons	_____

- MINING OPERATIONS -

N. SITE DISTURBANCE

Total Area of Site: _____ Acres

Total Disturbed Area of Site: _____ Acres

Proposed Controls:

- ☐ Watering
  - ☐ Frequent (Watering Frequency of 2 or More Times Per Day)
  - ☐ As Needed
- ☐ Chemical Stabilizer
- ☐ Revegetation Revegetation Must Occur Within One Year Of Site Disturbance
  - ☐ Seeding With Mulch
  - ☐ Seeding Without Mulch
- ☐ Other **(specify)** _____

Additional Sources of Emissions

List any other sources of emissions and related controls (includes fugitive emissions)

_____

_____

_____

_____

_____

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

_____

Name (please print) Title

Check the appropriate box if you want:

☐ Copy of Preliminary Analysis conducted by the Division

☐ To review a draft of the permit prior to issuance

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

This notice is valid for five (5) years unless a significant change is made, such as an increased production, new equipment, change in fuel type, etc. A revised APEN shall be filed no less than 30 days prior to the expiration date of this APEN form.

Send this form along with $152.90 to:
Telephone: (303) 692-3150

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