

STATE OF  
COLORADO

Cazier -, Tim &lt;tim.cazier@state.co.us&gt;

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**Clear Spring Ranch Pit (M-1992-074)**

1 message

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**Joe Houghton** <jphoughton@csu.org>  
To: "Cazier - DNR, Tim" <tim.cazier@state.co.us>

Fri, Jun 12, 2020 at 3:23 PM

Hi Tim,

As a follow up to our phone call today, I've attached a couple of files.

In the 1997\_06\_09 Revised.... file, you'll see the maximum topsoil stockpile number of 9,076 tons (page 8).

The 1997\_08\_14 Permit.... file is a copy of the current permit from APCD (based on the permit application).

The Clear Spring Ranch Gravel Pit 2...file is a copy of the amendment application that was submitted to APCD in April 2020. In this, you can see the maximum topsoil stored onsite has been updated to 30,000 tons (page3). This application is currently under review.

I've also attached another file- CSR Boring Figures. As I indicated on our call, we have begun evaluating the possibility of mining in another area just north of the current site. Exploratory borings were done in 2009. The figures in this file show the location of these borings in relation to the current site. We have begun looking the application needs to permit this area and currently are planning to submit as a new site. If you think it may be more efficient to process this as an amendment to the current site, we would be open to that possibility. The timing of this application is uncertain at this time, but likely no sooner than 6 months.

If you need additional information, please let me know.

Thanks,

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**Joe Houghton, P.E.** | Environmental Engineer

Colorado Springs Utilities |EVS Technical Services  
121 S. Tejon Street, 4th Fl. | MC: 940 | Colorado Springs, CO 80903

O (719) 668-3744 | M (719) 313-8472

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**5 attachments**

**CSR Boring Figures.pdf**

634K



**1997\_06\_09 Revised GP2 APEN to CDPHE to modify 93EP163 (002).pdf**

766K



**1997\_08\_14 Permit 93EP163 - GP2 Mod 2 FA.pdf**

237K



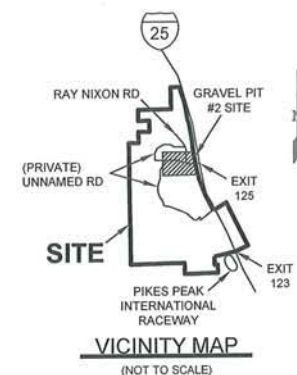
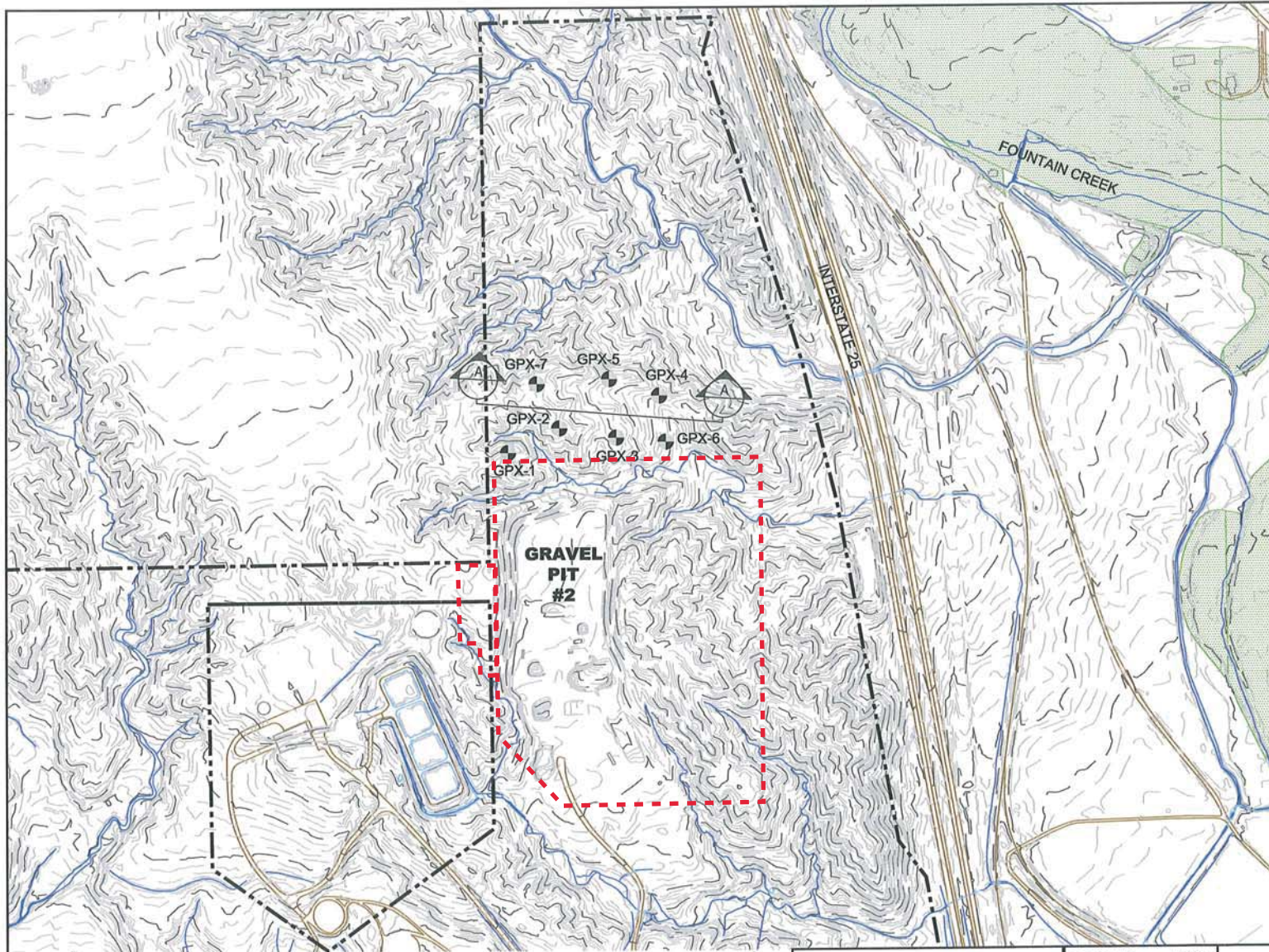
**Clear Spring Ranch Gravel Pit 2 (93EP163F)\_Permit Mod 2020\_Revised Submittal\_2020 04 14.pdf**

553K



**Clear Spring Ranch Gravel Pit 2 (93EP163F)\_Permit Mod 2020\_Revised Submittal\_2020 04 14.pdf**

553K



#### LEGEND:

- GPX-1 BORING DESIGNATION AND APPROXIMATE LOCATION.
- INDICATES APPROXIMATE LOCATION OF FOUNTAIN CREEK 100 YEAR FLOODPLAIN.
- INDICATES PROPERTY BOUNDARY.
- INDICATES LOCATION OF PROFILE SECTION PRESENTED ON FIGURE A-10.

NOTE:  
BASE DRAWING WAS PROVIDED BY COLORADO SPRINGS UTILITIES DECEMBER 11, 2009.

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0 250 500 1000  
APPROXIMATE SCALE IN FEET



PROJECT NO. 107864-1  
DRAWN: December, 2009  
DRAWN BY: TEM  
CHECKED BY: BTM  
FILE NAME: 107864\_cadd\_blp.dwg

**Vicinity Map and  
Boring Location Plan  
Gravel Pit #2**  
Clear Spring Ranch  
Subsurface Investigation  
Proposed Gravel Pit  
Southwest of Fountain, Colorado

FIGURE

**A-1**



Potential new mining area

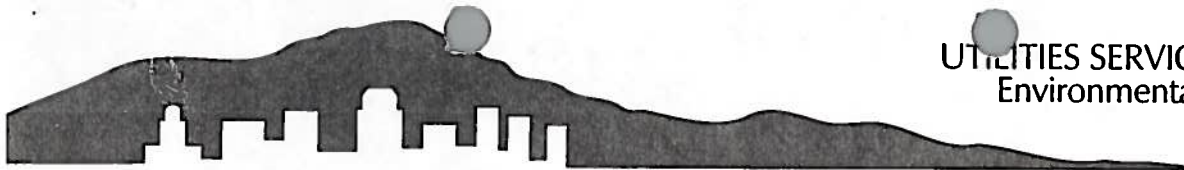


INTERSTATE 25  
INTERSTATE 25

DELLACROCE DR

GRAVEL RD





UTILITIES SERVICES DEPARTMENT  
Environmental Services Division

## COLORADO SPRINGS UTILITIES

June 9, 1997

Mr. Dennis Myers  
Colorado Department of Public Health  
APCD-SS-B1  
4300 Cherry Creek Drive South  
Denver, CO 80222-1530

Dear Mr. Myers:

Enclosed is a revised APEN for the City of Colorado Springs Utilities Water Resources Department for sand and gravel pit operation known as the Hanna Ranch Gravel Pit #2 located a I-25 exit 125, El Paso County, Colorado. The operations currently has an emission permit (93EP163) which presently allows production of sand and gravel that shall not exceed 1,635 tons/day or 163,500 tons/ year. The specific equipment or activity subject to this permit includes the following: Sand and gravel extraction, handling, stockpiling, and hauling. Under the revised APEN the Hanna Ranch Gravel Pit 2(HRGP2) will have a new production rate of 2,000 tons/day and 200,000 tons/year and we would like to reinstate these new values for this permit(93EP163).

A map showing the location of site including boundaries is attached. Please review the revised APEN and make a determination of revised emissions. Also enclosed is the \$100.00 check for a revised APEN fee.

Please contact me at (719) 448-8680 or (719) 660-0432 if you have questions.

Sincerely,

J. Anthony Martinez  
Senior Environmental Specialist

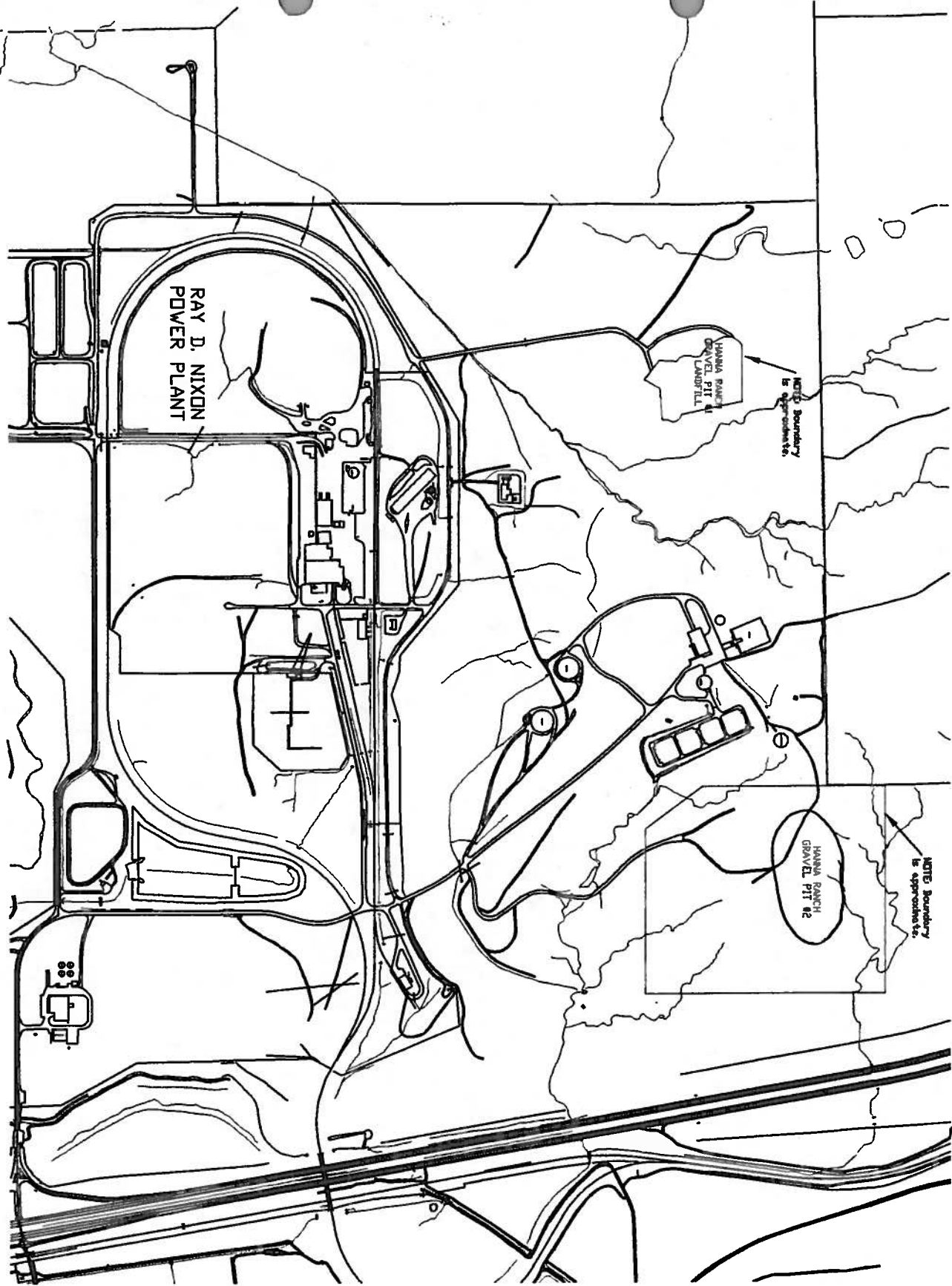
Enclosures

c: Kenneth Feaster, Water Construction Administration  
John James, El Paso County Department of Health and Environment  
Alan Goins, ESD  
Kim Hurley, ESD  
Patricia Mcglothlin, Water  
ESD File 7207-7-5 7224-07-05  
Day File 0-8-16



NIXON POWER PLANT

FIGURE 1  
Gravel Pits







**COLORADO DEPARTMENT OF PUBLIC HEALTH & ENVIRONMENT  
AIR POLLUTION CONTROL DIVISION**

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

An Air Pollution Emission Notice and Fugitive Particulate Control Plan must be submitted with an application for an Emission Permit. Completion of this form will meet these requirements. 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 deck, 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 \$100 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 \$50 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, an inspection will be conducted by the Division. If all permit conditions are met, a Final Approval Permit will be recommended. Final Approval Permit processing fees must be paid before the Final Approval Permit is issued.



Colorado Department of Public Health & Environment  
Air Pollution Control Division

PERMIT NO. 93EP 163F

AIR POLLUTION EMISSION NOTICE (APEN)  
AND CONTROL PLAN  
FOR FUGITIVE PARTICULATE EMISSIONS

Name of Firm COLORADO SPRINGS UTILITIES WATER RESOURCES  
Mail Address P.O. Box 1103, COLORADO SPRINGS, CO. Zip Code 80947  
Contact Person TONY MARTINEZ Phone No. (719) 448-8680  
Project Location HANNA RANCH UTILITY COMPLEX County EL PASO  
UTM Coordinates (if known) 5 2 6 . 4, 4 2 7 6 . 3  
Description of Activity GRAVEL MINE #2 - SAND & GRAVEL EXTRACTION, HANDLING, STOCKPILING & HAULING  
Federal Tax Identification Number 84 - 6000574  
No. of Employees 2 Property Area 50.7 Acres  
Seasonal Throughput (% of Annual):  
Dec-Feb 25 % Mar-May 25 % Jun-Aug 25 % Sep-Nov 25 %  
Estimated Starting Date JULY 1997 Est. Date of Completion JULY 2013  
Work Schedule: 8 hours/day, 5 days/week, 52 weeks/year  
Estimated Maximum Annual Production 200,000 tons/yr. (This production rate will be a permit limitation, increases in this rate will require a permit modification.)  
Material produced (circle one) Rock, Coal, Other SAND & GRAVEL  
Signature of Person Authorized to Supply Data \_\_\_\_\_  
Typed or Printed Name and Title TONY MARTINEZ SENIOR ENVIRONMENTAL SPECIALIST  
Date 6/9/97  
Company Name CITY OF COLORADO SPRINGS UTILITIES Telephone No. ( ) \_\_\_\_\_  
Mailing Address 102 SOUTH WEBER ST. COLORADO SPRINGS, CO. 80903

A site diagram should also be submitted showing the general configuration of operation, and location of site including property boundaries.

☒ Check here if you want the Division to calculate your emissions

Pollutant	Emission Estimate (tons per year)		
	Controlled at Requested Production Rate	Uncontrolled at Requested Production Rate	Controlled at Actual Production Rate
Particulates			
PM <sub>10</sub>			



I. TOPSOIL

A. REMOVAL

Maximum tons removed per day 227. (for 20 days)

Tons removed per year 4,538.

Proposed controls for topsoil removal: (check appropriate boxes)

- ☐ Moist Material
- ☒ Water Spray (AS NECESSARY)
- ☐ Other (specify) \_\_\_\_\_.
- ☐ No Control

B. TOPSOIL STOCKPILE

Maximum stored at one time 9,076 tons.

Maximum stored per year 4,538 tons. (Every 5 years)

Length of time pile remains undisturbed 5 years.

Proposed controls for topsoil stockpile: (check appropriate box)

- ☐ Watering \_\_\_\_\_ times/day, or \_\_\_\_\_ continuous sprinkler (to maintain moist surface).
- ☐ Chemical stabilizer (Type: \_\_\_\_\_).
- ☐ Compacting of piles, method \_\_\_\_\_.
- ☐ Enclosures: \_\_\_\_\_ complete, or \_\_\_\_\_ partial (check one)
- ☒ Revegetation, (Length of time till revegetation 2 months).
- ☐ Other (specify) \_\_\_\_\_.
- ☐ No control

II. OVERBURDEN

A. REMOVAL

Maximum tons removed per day \_\_\_\_\_.

Tons removed per year 0. (ALL OVERBURDEN IS TOP SOIL)

Equipment used for removal \_\_\_\_\_.

Proposed controls for overburden removal: (check appropriate boxes)

- ☐ Moist Material
- ☐ Water Spray
- ☐ Other (specify) \_\_\_\_\_.
- ☐ No Control

B. OVERBURDEN STOCKPILE *NONE (SEE II a.)*

Maximum stored at one time \_\_\_\_\_ tons.

Length of time pile remains undisturbed \_\_\_\_\_.

Proposed control for overburden stockpile: (check appropriate boxes)

- ☐ Watering \_\_\_\_\_ times/day, or \_\_\_\_\_ continuous sprinkler (to maintain moist surface).
- ☐ Chemical stabilizer (Type: \_\_\_\_\_).
- ☐ Compacting of piles, method \_\_\_\_\_.
- ☐ Enclosures: \_\_\_\_\_ complete, or \_\_\_\_\_ partial (check one)
- ☐ Revegetation, (Length of time till revegetation \_\_\_\_\_).
- ☐ Other (specify) \_\_\_\_\_
- ☐ No control

III. DRILLING *NONE*

MATERIAL	OVERBURDEN	ROCK	COAL	OTHER
No. of holes drilled per day				
No. of days of drilling per year				
Hours of drilling per year				
Proposed controls				
Controls include: Water injection, chemical dust suppressants, bag collectors, other (specify), no control				

IV. BLASTING *NONE*

MATERIAL	OVERBURDEN	ROCK	COAL	OTHER
No. of blasts per day				
No. of blasts per year				
No. of blasting days per year				
Proposed controls				
Is sequential blasting used: <input type="checkbox"/> Yes <input type="checkbox"/> No (check one)				

V. RAW MATERIAL

A. REMOVAL

MATERIAL	ROCK	COAL	OTHER <i>SAND &amp; GRAVEL</i>
Tons removed per year			<i>200,000 tons/year</i>
Maximum tons removed per day			<i>2,000 tons/day</i>
Equipment used for removal			<i>FRONT LOADER DOZER</i>
Equipment capacity (in-tons)			<i>5 tons</i>
Est. hours per year required for removal			<i>1,344</i>
Is material <u>dry</u> , <u>moist</u> , or <u>wet</u> ?			<i>moist</i>
Specify moisture content if known (%)			<i>—</i>

B. LOADING IN TO RAW MATERIAL STOCKPILE

Method of loading in (truck bottom dump, front-end loader, etc.)

*FRONT-END LOADER*

Loading schedule: \_\_\_\_\_ tons/hour \_\_\_\_\_ hours/day \_\_\_\_\_ days/year

Proposed controls for loading to stockpile: \_\_\_\_\_

Controls include: no control, water sprays, total enclosure, partial enclosure, chemical suppressants, reduced drop height, telescoping chute, other (specify) \_\_\_\_\_

C. RAW MATERIAL STOCKPILE

MATERIAL	ROCK	COAL	OTHER <i>SAND &amp; GRAVEL</i>
Maximum tons stored at any one time			<i>3,345</i>
Length of time pile remains undisturbed			<i>7 days</i>

Proposed controls for raw material stockpile: (check appropriate boxes)

- ☐ Watering \_\_\_\_\_ times/day, or \_\_\_\_\_ continuous sprinkler (to maintain moist surface).
- ☐ Chemical stabilizer (Type: \_\_\_\_\_).
- ☐ Compacting of piles, method \_\_\_\_\_.
- ☐ Enclosures: \_\_\_\_\_ complete, or \_\_\_\_\_ partial (check one)
- ☐ Other (specify) \_\_\_\_\_
- ☒ No control



**D. LOADING OUT FROM RAW MATERIAL STOCKPILE:**

Method of loading out (front-end loader, conveyor, etc.)

FRONT-END LOADER

Loading schedule: 300 tons/hour 5.5 hours/day 100 days/year

Proposed controls for loading to stockpile: MOIST MATERIAL

Controls include: no control, water sprays, total exposure, partial exposure, moist material, other (specify) \_\_\_\_\_

**VI. PROCESSING**

Will processing (i.e., crushing, screening, etc.) occur on site?



Yes



No

(check one)

**NOTE: ALL PROCESS EQUIPMENT REQUIRES A SEPARATE PERMIT APPLICATION AND APEN (SEPARATE FORM IS ATTACHED AT END OF THIS FORM - MAKE ADDITIONAL COPIES AS NEEDED).**

Material loaded into processing equipment by:

Conveyor



Front end loader



Other

(FRONT-END LOADER TO CONVEYOR TO SCREEN)

**CONTROLS FOR PROCESSING INCLUDE:** Moist or wet materials (specify moisture % if known), water spray bars, bag filters, other (specify), no control. If existing processing equipment will be relocated from another location complete the following sections. This equipment must already be permitted.

**(LIST PROCESSING CONTROLS IN THE APPROPRIATE SPACES BELOW)**

**A. PRIMARY CRUSHING**

Maximum tons crushed per year 0 tons.

Maximum tons crushed per hour \_\_\_\_\_ tons.

Hours of crushing per day \_\_\_\_\_ hours.

Proposed controls (see above) \_\_\_\_\_

**B. SCREENING/CLASSIFYING**

Maximum tons screened per year 200,000 tons.

Maximum tons screened per hour 2,000 tons.

Hours of screening per day 5.5 hours.

Proposed controls (see above) Moist material content high

**C. SECONDARY CRUSHING**

Maximum tons crushed per year 0 tons.

Maximum tons crushed per hour \_\_\_\_\_ tons.

Hours of crushing per day \_\_\_\_\_ hours.

Proposed controls (see above) \_\_\_\_\_

D. RESCREENING/CLASSIFYING

Maximum tons screened per year 0 tons.  
Maximum tons screened per hour \_\_\_\_\_ tons.  
Hours of rescreening per day \_\_\_\_\_ hours.  
Proposed controls (see above)

VII. CONVEYORS/TRANSFER POINTS

A. CONVEYORS

Tons of material conveyed per year 200,000 tons.  
Tons of material conveyed per day 2,000 tons.  
Proposed controls moist material contact high  
Controls for conveyors include: Full enclosure, partial enclosure, no control, other (specify) \_\_\_\_\_

(INDICATE ON A SEPARATE DIAGRAM HOW CONVEYOR SYSTEM IS SET UP)

B. TRANSFER POINTS

Number of transfer points 2  
Proposed controls NO CONTROLS, BUT WILL SPRAY IF NECESSARY  
Controls for transfer points include: Full enclosure, partial enclosure, water sprays, chemical suppressants, no controls, other (specify) \_\_\_\_\_

### **VIII. FINISHED PRODUCT**

#### **A. LOADING INTO FINISHED PRODUCT STOCKPILE**

Method of loading in (front-end loader, conveyor, etc.)

FRONT-END LOADER

If conveyor is used, what is maximum drop height? \_\_\_\_\_ ft.

Loading schedule: \_\_\_\_\_ tons/hour 5.5 hours/day 91 days/year

Proposed controls \_\_\_\_\_

Controls for loading to stockpile include : other (specify), no control water sprays, total enclosure, partial enclosure, chemical suppressants, reduced drop height, telescoping chute

#### **B. FINISHED PRODUCT STOCKPILE**

Maximum tons stored at one time \_\_\_\_\_ tons.

Length of time pile remains undisturbed \_\_\_\_\_.

Proposed controls: (check appropriate boxes)

- ☐ Watering \_\_\_\_\_ times/day, or \_\_\_\_\_ continuous sprinkler (to maintain moist surface).
- ☐ Chemical stabilizer (applied according to manufacturer's specifications).
- ☐ Compacting of piles, method \_\_\_\_\_.
- ☐ Enclosures: \_\_\_\_\_ complete, or \_\_\_\_\_ partial (check one)
- ☐ Revegetation, (length of time till revegetation \_\_\_\_\_)
- ☐ Other (specify) \_\_\_\_\_
- ☐ No control

#### **C. LOADING OUT FROM STOCKPILE FOR FINAL TRANSPORT**

Method of loading out (front-end loader, conveyor, etc.)

If conveyor is used, what is maximum drop height? \_\_\_\_\_ ft.

Loading schedule: \_\_\_\_\_ tons/hour \_\_\_\_\_ hours/day \_\_\_\_\_ days/year

Proposed controls \_\_\_\_\_

Controls for loading out of stockpile include : Water injection, chemical dust suppressants, bag collectors, other (specify), no control water sprays, total enclosure, partial enclosure, chemical suppressants, reduced drop height, telescoping chute.



IX. VEHICLE HAUL ROADS

CONTROL OPTIONS FOR VEHICLE HAUL ROADS

(DO NOT WRITE IN THIS SECTION)

1. Watering (specify) \_\_\_\_\_ times/day, to maintain moist surface.
2. Chemical stabilization  
(according to manufacturer's specifications)

Specify:

- a. Frequency of application and
- b. Type of stabilizer (brand name, or composition)

3. Paving to be completed by \_\_\_\_\_ (date).
4. Gravel

(LIST HAUL ROAD CONTROLS IN THE APPROPRIATE SPACES BELOW)

A. TRANSPORT OF RAW MATERIAL FROM REMOVAL SITE TO STOCKPILE

Distance (one way) \_\_\_\_\_

If stockpile is off site, give distance from removal site to mine entrance

Haul vehicle capacity \_\_\_\_\_ No. of wheels \_\_\_\_\_

Average vehicle speed \_\_\_\_\_ m.p.h.

Maximum vehicle speed \_\_\_\_\_ m.p.h. (cannot exceed 30 m.p.h)

No. of trips per day \_\_\_\_\_

Haul road silt content (if known) \_\_\_\_\_ %.

List controls for raw materials transport: (see measures listed above)

Proposed controls \_\_\_\_\_

**B. FINISHED PRODUCT TRANSPORT (ON SITE)**

**1. Haul Trucks**

CAPACITY	EMPTY WEIGHT	NO. OF TRUCKS	NO. OF WHEELS	NO. OF TRIPS PER/DAY	AVG. SPEED ON SITE
1. Yds.					mph
2. Yds.					mph
3. Yds.					mph
4. Yds.					mph

**2. Haul Road Information For Final Transport**

On site haul roads distance (one way) \_\_\_\_\_  
Haul road silt content (if known) \_\_\_\_\_%.  
List controls for final transport: (see control measures)  
Proposed controls: \_\_\_\_\_

**C. OTHER ROADS ON-SITE**

WHAT IS ROAD USED FOR?	LENGTH OF ROAD?	(DISTANCE) FROM TO		CONTROLS (SEE PAGE 8)
1.				
2.				
3.				

**X. SITE DISTURBANCE**

Estimated total disturbed acreage subject to wind erosion \_\_\_\_ acres.  
Proposed controls: (check appropriate box)

- ☐ Restrict traffic to established roads where practicable
- ☐ Minimize area of disturbance (explain) \_\_\_\_\_
- ☐ Revegetation with \_\_\_\_\_  
Time till revegetation \_\_\_\_\_
- ☐ Mulch
- ☐ Watering \_\_\_\_\_ times/day, or continuous sprinkler (to  
maintain moist surface)
- ☐ Chemical stabilizers
- ☐ Other (specify) \_\_\_\_\_
- ☐ No control

Comments: Please mail permit to: ENVIRONMENTAL SERVICES DIVISION  
102 SOUTH WEBER ST.  
COLORADO SPRINGS, CO. 80903  
ATTN: TONY MARTINEZ

**Mail completed form and \$100 filing fee to:**

COLORADO DEPARTMENT OF PUBLIC HEALTH & ENVIRONMENT  
APCD-SS-B1  
4300 Cherry Creek Drive South  
Denver, Colorado 80222-1530

(303) 692-3150

AUG 18 1997

## STATE OF COLORADO

COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT  
AIR POLLUTION CONTROL DIVISION  
TELEPHONE: (303) 692-3150

**CONSTRUCTION PERMIT**

PERMIT NO: 93EP163F

**FINAL APPROVAL**

DATE ISSUED: AUGUST 14, 1997

Modification No. 2

ISSUED TO: Colorado Springs Utilities Water Resources

THE SOURCE TO WHICH THIS PERMIT APPLIES IS DESCRIBED AND LOCATED AS FOLLOWS:

Sand and gravel mining facility located at Hanna Ranch Gravel Pit #2, I-25 exit 125, El Paso County, Colorado.

THE SPECIFIC EQUIPMENT OR ACTIVITY SUBJECT TO THIS PERMIT INCLUDES THE FOLLOWING:

Material extraction, handling, stockpiling, and hauling.

THIS PERMIT IS GRANTED SUBJECT TO ALL RULES AND REGULATIONS OF THE COLORADO AIR QUALITY CONTROL COMMISSION AND THE COLORADO AIR QUALITY CONTROL ACT C.R.S. (25-7-101 et seq), TO THOSE GENERAL TERMS AND CONDITIONS SET FORTH ON THE REVERSE SIDE OF THIS DOCUMENT AND THE FOLLOWING SPECIFIC TERMS AND CONDITIONS:

1. The fugitive particulate emission control measures listed on the attached page (as proposed in the Fugitive Particulate Emission Control Plan submitted to the Division) shall be applied to the fugitive particulate emission producing sources as required by Regulation No. 1.
2. This permit is for mining related activities only. Any process equipment (i.e. crushers, screens, etc.) to be located at this site must have a separate permit from the Division.
3. At all times, including periods of start-up, shutdown, and malfunction, the facility and control equipment shall, to the extent practicable, be maintained and operated in a manner consistent with good air pollution control practices for minimizing emissions. Determination of whether or not acceptable operating and maintenance procedures are being used will be based on information available to the Division, which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.
4. The Division's approval of the proposed control plan is based on the submitted production level as listed below. Prior to any increase in daily or annual production rates, the applicant shall submit a Revised Air Pollutant Emission Notice and Control Plan which will be subject to Division review and approval to ensure compliance with the National Ambient Air Quality Standards for particulate matter. Annual records of the actual production rate shall be maintained by the applicant and made available to the Division for inspection upon request.

Production of Sand and Gravel shall not exceed 2,000 tons/day or 200,000 tons/year.

**GENERAL TERMS AND CONDITIONS: (IMPORTANT! READ ITEMS 5, 6, 7 AND 8)**

1. This permit is issued in reliance upon the accuracy and completeness of information supplied by the applicant and is conditioned upon conduct of the activity, or construction, installation and operation of the source, in accordance with this information and with representations made by the applicant or applicant's agents. It is valid only for the equipment and operations or activity specifically identified on the permit.
2. Unless specifically stated otherwise, the general and specific conditions contained in this permit have been determined by the APCD to be necessary to assure compliance with the provisions of Section 25-7-114.5(7)(a), C.R.S.
3. Each and every condition of this permit is a material part hereof and is not severable. Any challenge to or appeal of, a condition hereof shall constitute a rejection of the entire permit and upon such occurrence, this permit shall be deemed denied *ab initio*. This permit may be revoked at any time prior to final approval by the Air Pollution Control Division (APCD) on grounds set forth in the Colorado Air Quality Control Act and regulations of the Air Quality Control Commission (AQCC), including failure to meet any express term or condition of the permit. If the Division denies a permit, conditions imposed upon a permit are contested by the applicant, or the Division revokes a permit, the applicant or owner or operator of a source may request a hearing before the AQCC for review of the Division's action.
4. This permit and any required attachments must be retained and made available for inspection upon request at the location set forth herein. With respect to a portable source which is moved to a new location, a copy of the Relocation Notice (required by law to be submitted to the APCD whenever a portable source is relocated) should be attached to this permit. The permit may be reissued to a new owner by the APCD as provided in AQCC Regulation No. 3, Part B, Section III.B. upon a request for transfer of ownership and the submittal of a revised APEN and the required fee.
5. Issuance (initial approval) of an emission permit does not provide "final" authority for this activity or operation of this source. Final approval of the permit must be secured from the APCD in writing in accordance with the provisions of 25-7-114.5 C.R.S. and AQCC Regulation No. 3, Part B, Section IV.H. Final approval cannot be granted until the operation or activity commences and has been verified by the APCD as conforming in all respects with the conditions of the permit. If the APCD so determines, it will provide written documentation of such final approval, which does constitute "final" authority to operate. *Compliance with the permit conditions must be demonstrated within 180 days of commencement of operation.*
6. **THIS PERMIT AUTOMATICALLY EXPIRES IF** you (1) do not commence construction or operation within 18 months after either the date of issuance of this permit or the date on which such construction or activity was scheduled to commence as set forth in the permit, whichever is later; (2) discontinue construction for a period of 18 months or more; or (3) do not complete construction within a reasonable time of the estimated completion date. Extensions of the expiration date may be granted by the APCD upon a showing of good cause by the permittee.
7. **YOU MUST** notify the APCD at least thirty days (fifteen days for portable sources) prior to commencement of the permitted operation or activity. Failure to do so is a violation of Section 25-7-114.5(12)(a), C.R.S. and AQCC Regulation No. 3, Part B, Section IV.H.1., and can result in the revocation of the permit. *You must demonstrate compliance with the permit conditions within 180 days after commencement of operation as stated in general condition number 5 above.*
8. Section 25-7-114.7(2), C.R.S. requires that all sources required to file an Air Pollution Emission Notice (APEN) must pay an annual fee to cover the costs of inspections and administration. If a source or activity is to be discontinued, the owner must notify the Division in writing requesting a cancellation of the permit. Upon notification, annual fee billing will terminate.
9. Violation of the terms of a permit or of the provisions of the Colorado Air Quality Control Act or the regulations of the AQCC may result in administrative, civil or criminal enforcement actions under Sections 25-7-115 (enforcement), -121 (injunctions), -122 (civil penalties), -122.1 (criminal penalties), C.R.S.



5. Emissions of air pollutants shall not exceed the following limitations (as calculated in the Division's preliminary analysis):

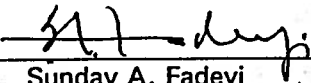
Particulate Matter:	0.44 tons per year and 8.8 pounds per day
Particulate Matter < 10 $\mu$ m (PM <sub>10</sub> ):	0.21 tons per year and 4.2 pounds per day

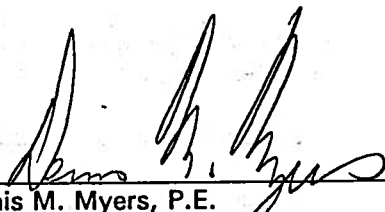
Note to Permit Holder:

The following fugitive emissions of total suspended particulate (TSP) and particulate matter of less than ten microns (PM<sub>10</sub>) are estimated based on the production rates listed above. This information is listed to inform the operator of the Division's analysis of the TSP and PM<sub>10</sub> emissions. This information is listed on the Division's emission inventory system.

Total Suspended Particulate:	23.08 tons/year
Particulate Matter (PM <sub>10</sub> ):	9.90 tons/year

6. A revised Air Pollutant Emission Notice (APEN) shall be filed when a significant change in actual emissions occurs (above the level reported on the last APEN, submitted to the Division) as required by Regulation No.3, Part A.II.C.2 as per the timetable in Regulation No.3, Part A.II.C.3.
7. In accordance with C.R.S. 25-7-114.1, the Air Pollutant Emission Notice (APEN) associated with this permit is valid for a term of five years. A revised APEN shall be submitted no later than 30 days before the five year term expires.

By:   
Sunday A. Fadeyi  
Permit Engineer

By:   
Dennis M. Myers, P.E.  
Construction Permits Unit  
Stationary Sources Program  
Air Pollution Control Division

Final Approval: Issued with modification on August 13, 1996.  
Modification: Throughput increase.



### **PARTICULATE EMISSIONS CONTROL PLAN**

THE FOLLOWING PARTICULATE EMISSIONS CONTROL MEASURES SHALL BE USED FOR ENFORCEMENT PURPOSES ON THE SOURCES COVERED BY THIS PERMIT, AS REQUIRED BY THE AIR QUALITY CONTROL COMMISSION REGULATION NO.1. THIS SOURCE IS SUBJECT TO THE FOLLOWING EMISSION GUIDELINES:

- a. **Mining Activities** - Visible emissions not to exceed 20%, no off-property transport of visible emissions.
- b. **Haul Roads** - No off-property transport of visible emissions shall apply to on-site haul roads, the nuisance guidelines shall apply to off-site haul roads.
- c. **Haul Trucks** - No off-property transport of visible emissions except that when operating off the property of the owner or operator, the applicable guidelines shall be no off-vehicle transport of visible emissions.

### **Control Measures**

1. Adequate soil moisture must be maintained in topsoil and overburden to control emissions during removal. Watering shall be implemented if necessary.
2. Topsoil and overburden stockpiles shall be compacted and revegetated within one year.
3. Emissions from material handling (i.e. removal, loading, and hauling) shall be controlled by watering at all times unless natural moisture is sufficient to control emissions.
4. Vehicle speed on unpaved roads and disturbed areas shall not exceed a maximum of 30 m.p.h. Speed limit signs shall be posted.
5. Unpaved haul roads shall be watered as often as needed to control fugitive particulate emissions.
6. All disturbed surface areas shall be revegetated according to the information submitted by the applicant with the permit application.
7. Reclamation works and sequential extraction of material shall be initiated to keep the total disturbed areas at any one time to a minimum.





# Mining Operations APEN – Form APCD-222

## 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 mining operations (i.e. quarries, pits, or mines). This APEN may also be used to report haul road activities at non-mining facilities. Additional APENs may be required for process equipment located at the mine. A specialty APEN may be available for the process equipment (e.g. asphalt plant, crusher/screen, concrete batch plant, engines, 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>: \_\_\_\_\_

Mine/Pit Name: \_\_\_\_\_

Mine/Pit Location: \_\_\_\_\_ Mine/Pit Location  
County: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_ NAICS or SIC Code: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

(Include Zip Code) \_\_\_\_\_

\_\_\_\_\_

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, 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]

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## Section 2 - Requested Action

- ☐ NEW permit OR newly-reported emission source
- OR -
- ☐ MODIFICATION to existing permit *(check each box below that applies)*
- |   |   |  |
|---|---|--|
| <input type="checkbox"/> Change fuel or equipment | <input type="checkbox"/> Change company name <sup>3</sup>   | <input type="checkbox"/> Add point to existing permit  |
| <input type="checkbox"/> Change permit limit      | <input type="checkbox"/> Transfer of ownership <sup>4</sup> | <input type="checkbox"/> Other <i>(describe below)</i> |
- OR -
- ☐ APEN submittal for update only (Note blank APENs will not be accepted)
- ADDITIONAL PERMIT ACTIONS -
- ☐ APEN submittal for permit exempt/grandfathered source

Additional Info & Notes: \_\_\_\_\_

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

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

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## Section 3 - General Information

General description of the activity *(additionally, provide a topographic site map)*:

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For *existing* sources, operation began on: \_\_\_\_\_

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

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

Seasonal use percentage: Dec-Feb: \_\_\_\_\_ Mar-May: \_\_\_\_\_ Jun-Aug: \_\_\_\_\_ Sep-Nov: \_\_\_\_\_

Commodity Produced: *(check each box below that applies - as indicated on the applicable Division of Minerals and Geology Permit)*

- ☐ Aggregate / Sand and Gravel
- ☐ Stone
- ☐ Coal
- ☐ Minerals or Metals *(type)*: \_\_\_\_\_
- ☐ Other *(describe)*: \_\_\_\_\_

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

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

/ /

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

**Section 4 - Processing/Manufacturing Information & Material Use**

☐ Check this box if APEN is for Haul Roads only (not located at a mining site) and complete the applicable sections, **Section 4H - Raw Material Transport** and/or **Section 4I - Finished Product Transport** on pages 6 and 7. Otherwise complete all of **Section 4**.

From what year is the *actual annual amount*? \_\_\_\_\_

Actual Annual Production (tons)	
Requested Annual Production <sup>5</sup> (tons)	

<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.

**Section 4A - Topsoil****Removal**

Topsoil removed daily (tons) \_\_\_\_\_

Topsoil removed annual (tons) \_\_\_\_\_

Proposed controls for topsoil removal

☐ Moist Material☐ Water Spray☐ Other (specify): \_\_\_\_\_**Stockpile(s)**

Maximum stored on site (tons) \_\_\_\_\_

Proposed controls for topsoil stockpile

☐ Watering☐ Chemical Stabilizer☐ Compacting of Piles☐ Enclosures (choose one option from below)☐ Complete ☐ Partial☐ Revegetation (must occur within one year of site disturbance)☐ Other (specify): \_\_\_\_\_**Section 4B - Overburden****Removal**

Equipment used for removal \_\_\_\_\_

Tons removed by dragline (daily) \_\_\_\_\_

Tons removed by dragline (annual) \_\_\_\_\_

Dragline drop height (feet) \_\_\_\_\_

Hours scraper operated (daily) \_\_\_\_\_

Hours scraper operated (annual) \_\_\_\_\_

Proposed controls for overburden removal

☐ Moist material☐ Water Spray☐ Other (specify): \_\_\_\_\_**Stockpile(s)**

Maximum stored on site (tons) \_\_\_\_\_

Proposed controls for overburden stockpile

☐ Watering☐ Chemical stabilizer☐ Compacting of piles☐ Enclosures (choose one option from below)☐ Complete ☐ Partial☐ Revegetation (must occur within one year of site disturbance)☐ Other (specify): \_\_\_\_\_

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

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

/ /

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

#### Section 4C - Drilling and Blasting

##### **Drilling**

Number of holes drilled (*daily*) \_\_\_\_\_

Number of holes drilled (*annual*) \_\_\_\_\_

Proposed controls for drilling

☐ Water injection

☐ Bag collectors

☐ Other (*specify*): \_\_\_\_\_

##### **Blasting**

Blast area (*acres*) \_\_\_\_\_

Number of blasts (*daily*) \_\_\_\_\_

Number of blasts (*annual*) \_\_\_\_\_

Type of blasting material \_\_\_\_\_

Blasting material used (*daily*) \_\_\_\_\_

Blasting material used (*annual*) \_\_\_\_\_

#### Section 4D - Raw Material

##### **Removal**

Material removed daily (*tons*) \_\_\_\_\_

Material removed annual (*tons*) \_\_\_\_\_

Maximum drop height (*feet*) \_\_\_\_\_

Specific moisture content (%) \_\_\_\_\_

Proposed controls for raw material removal

☐ Moist material

☐ Water spray

☐ Other (*specify*): \_\_\_\_\_

##### **Stockpile(s)**

Maximum stored on site (*tons*) \_\_\_\_\_

Proposed control for raw material stockpile

☐ Watering

☐ Chemical stabilizer

☐ Compacting of piles

☐ Enclosures (*choose one option from below*)

☐ Complete

☐ Partial

☐ Other (*specify*): \_\_\_\_\_

#### Section 4E - Conveyors and Transfer Points (not assigned to process equipment)

Include a map detailing the conveyor system layout within the site.

##### **Conveying**

Material conveyed daily (*tons*) \_\_\_\_\_

Material conveyed annual (*tons*) \_\_\_\_\_

Proposed controls for conveyors

☐ Enclosures (*choose one option from below*)

☐ Complete

☐ Partial

☐ Other (*specify*): \_\_\_\_\_

##### **Transfer Points**

Number of transfer points \_\_\_\_\_

Proposed controls for transfer points

☐ Watering

☐ Chemical stabilizer

☐ Enclosures (*choose one option from below*)

☐ Complete

☐ Partial

☐ Other (*specify*): \_\_\_\_\_

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

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

/ /

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

**Section 4F - Processing Equipment**

Will processing (e.g. crushing, screening, etc.) occur on site? (yes/no) \_\_\_\_\_

If you answered "No" above (i.e. no processing/manufacturing equipment will be located on site) check the box below and skip to page 6, **Section 4G - Finished Product**.

☐ Check this box if no process equipment is located on site.

List any additional emission sources and related controls (e.g. concrete batch plants, crushers/screens, engines, conveyors and transfer points associated with process equipment, asphalt plants, etc.). Additional APENs for any such equipment may be required. The following specialty APENs are available: Form APCD-224 Concrete Batch Plant APEN, Form APCD-221 Crusher/Screen APEN, Form APCD-233 Compression Ignition Engine APEN. If a specialty APEN is not appropriate for the additional equipment, use Form APCD-200 General APEN.

Additionally, complete the section below regarding crushing and screening performed on site.

Emission Source (or equipment type)	Control Equipment Description	Permit Number (if available)

**Primary Crushing**

Maximum crushed per year (tons) \_\_\_\_\_

Design process rate (tons/hour) \_\_\_\_\_

Duration of daily crushing (hours) \_\_\_\_\_

**Secondary Crushing**

Maximum crushed per year (tons) \_\_\_\_\_

Design process rate (tons/hour) \_\_\_\_\_

Proposed control for crushing

☐ Moist material☐ Water spray☐ Enclosures (choose one option from below)☐ Complete ☐ Partial☐ Other (specify): \_\_\_\_\_**Screening/Classifying**

Maximum screened per year (tons) \_\_\_\_\_

Design process rate (tons/hour) \_\_\_\_\_

Duration of daily screening (hours) \_\_\_\_\_

**Secondary Screening/Classifying**

Maximum screened per year (tons) \_\_\_\_\_

Design process rate (tons/hour) \_\_\_\_\_

Proposed control for screening

☐ Moist material☐ Water spray☐ Enclosures (choose one option from below)☐ Complete ☐ Partial☐ Other (specify): \_\_\_\_\_

**Note:** Completion of this section does not relieve the applicant from the requirement to submit APEN forms for process equipment subject to APEN or permitting requirements.

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

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

/ /

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

### Section 4G - Finished Product

#### Stockpile(s)

Maximum stored on site (tons) \_\_\_\_\_

Proposed control for finished product stockpile

- ☐ Watering
- ☐ Chemical stabilizer
- ☐ Compacting of piles
- ☐ Enclosures (choose one option from below)
- ☐ Complete    ☐ Partial
- ☐ Revegetation (must occur within one year of site disturbance)
- ☐ Other (specify): \_\_\_\_\_

### Section 4H - Raw Material Transport (raw material removal to stockpiles)

Annual on-site transfer: \_\_\_\_\_ tons

	<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 all air pollution controls used for the 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 4I - Finished Product Transport

Annual off-site transfer: \_\_\_\_\_ tons

	<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 all air pollution controls used for the 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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#### **Section 5 - Geographical/Site Information**

**Geographical Coordinates**  
(Latitude/Longitude or UTM)

*Attach a topographic site map indicating location.*

Total site area (acres): \_\_\_\_\_

Total disturbed site area (acres): \_\_\_\_\_

Proposed site controls

☐ Watering (choose one option from below)

☐ Frequent (2 or more times per day)

☐ As needed

☐ Chemical stabilizer

☐ Revegetation (must occur within one year of site disturbance)

☐ Seeding with mulch

☐ Seeding without mulch

☐ Other (specify): \_\_\_\_\_

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

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

/ /

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

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## Section 6 - Applicant Certification

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

*Kevin Shrausbury*

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.

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Send this form along with \$191.13 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