



8120 Gage Street – Frederick, Co 80516

Bus: (303) 666-6657 - Fax: (303) 666-6743

Certified Mail: 7018 3090 0001 5313 8782

Date: 04/04/2022

Colorado Department of Public Health and Environment

Air Pollution Control Division

APCD-SS-B1

4300 Cherry Creek Drive South

Denver, CO 80246

ATTN: Gregory Marcinkowski

Re: APEN -222

Attached you will find APEN for Varra Companies, Inc.

If you have any questions, please feel free to contact me at your convenience.

Sincerely,

Tana Kersting

303-447-2084/720-474-1563

Tkersting@varracompanies.com



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]

Section 1 - Administrative Information

Company Name¹: Varra Companies, Inc

Mine/Pit Name: Two Rivers Sand, Gravel and Reservoir Project-124

Mine/Pit Location: _____

Mine/Pit Location
County: Weld

NAICS or SIC Code: 212321

Mailing Address:
(Include Zip Code) 8120 Gage Street
Frederick, CO 80516

Contact Person: Garrett Varra

Phone Number: 303-666-6657

E-Mail Address²: Tkersting@companies.com

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

- OR -

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

- | | | |
|---|---|---|
| <input type="checkbox"/> Change fuel or equipment | <input type="checkbox"/> Change company name ³ | <input type="checkbox"/> Add point to existing permit |
| <input type="checkbox"/> Change permit limit | <input type="checkbox"/> Transfer of ownership ⁴ | <input type="checkbox"/> Other (describe below) |

- 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: _____

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

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

Material extraction, handling, stockpiling, hauling, associated conveyors and transfer points.

For existing sources, operation began on: n/a

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

Normal Hours of Source Operation: 12 hours/day 6 days/week 52 weeks/year

Seasonal use percentage: Dec-Feb: 15% Mar-May: 25% Jun-Aug: 30% Sep-Nov: 30%

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): topsoil

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? N/A

Actual Annual Production (tons)	new project
Requested Annual Production ⁵ (tons)	1,500,000

⁵ 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) 10,000

Topsoil removed annual (tons) 75,000

Proposed controls for topsoil removal

☒ Moist Material

☐ Water Spray

☐ Other (specify): _____

Stockpile(s)

Maximum stored on site (tons) 100,000

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 excavator

Tons removed by dragline (daily) 10,000

Tons removed by dragline (annual) 75,000

Dragline drop height (feet) _____

Hours scraper operated (daily) 10

Hours scraper operated (annual) 1000

Proposed controls for overburden removal

☒ Moist material

☐ Water Spray

☐ Other (specify): _____

Stockpile(s)

Maximum stored on site (tons) 100,000

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: _____ / _____ / _____

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Section 4C - Drilling and Blasting

Drilling		Blasting	
Number of holes drilled (daily)	<u>n/a</u>	Blast area (acres)	<u>n/a</u>
Number of holes drilled (annual)	<u>n/a</u>	Number of blasts (daily)	<u>n/a</u>
Proposed controls for drilling		Number of blasts (annual)	<u>n/a</u>
<input type="checkbox"/> Water injection		Type of blasting material	<u>n/a</u>
<input type="checkbox"/> Bag collectors		Blasting material used (daily)	<u>n/a</u>
<input type="checkbox"/> Other (specify): _____		Blasting material used (annual)	<u>n/a</u>

Section 4D - Raw Material

Removal		Stockpile(s)	
Material removed daily (tons)	<u>7500</u>	Maximum stored on site (tons)	<u>15,000</u>
Material removed annual (tons)	<u>1,500,000</u>	Proposed control for raw material stockpile	
Maximum drop height (feet)	<u>n/a</u>	<input type="checkbox"/> Watering	
Specific moisture content (%)	<u>n/a</u>	<input type="checkbox"/> Chemical stabilizer	
Proposed controls for raw material removal		<input checked="" type="checkbox"/> Compacting of piles	
<input checked="" type="checkbox"/> Moist material		<input type="checkbox"/> Enclosures (choose one option from below)	
<input type="checkbox"/> Water spray		<input type="checkbox"/> Complete <input type="checkbox"/> Partial	
<input type="checkbox"/> Other (specify): _____		<input type="checkbox"/> 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		Transfer Points	
Material conveyed daily (tons)	<u>7500</u>	Number of transfer points	<u>3</u>
Material conveyed annual (tons)	<u>1,500,000</u>	Proposed controls for transfer points	
Proposed controls for conveyors		<input type="checkbox"/> Watering	
<input type="checkbox"/> Enclosures (choose one option from below)		<input type="checkbox"/> Chemical stabilizer	
<input type="checkbox"/> Complete <input type="checkbox"/> Partial		<input type="checkbox"/> Enclosures (choose one option from below)	
<input checked="" type="checkbox"/> Other (specify): <u>moist material</u>		<input type="checkbox"/> Complete <input type="checkbox"/> Partial	
		<input checked="" type="checkbox"/> Other (specify): <u>moist material</u>	



Permit Number: _____

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Section 4F - Processing EquipmentWill processing (e.g. crushing, screening, etc.) occur on site? (yes/no) noIf 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) 100,000 all finished products

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): moist material/ water as necessary

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

Annual on-site transfer: 1,500,000 tons

	<u>Haul Vehicle 1</u>	<u>Haul Vehicle 2</u>	<u>Haul Vehicle 3</u>	
Haul vehicle capacity:	<u>40</u>	_____	_____	tons
Haul vehicle empty weight:	<u>35</u>	_____	_____	tons
Max number of trips per day:	<u>188</u>	_____	_____	
Haul road length (avg. one way):	<u>1699.32</u>	_____	_____	feet
Posted speed limit on haul road:	<u>15</u>	_____	_____	mph

List all air pollution controls used for the haul roads:

- ☐ Paved Surface
- Street sweeping: ☐ No ☒ Yes
- ☒ Unpaved Surface
- Watering: ☐ None ☒ As needed ☐ Frequent⁶: _____ times/day
- Surface is graveled: ☐ No ☒ Yes
- Chemical stabilizer applied: ☐ No ☐ Yes Type: _____
(e.g. mag chloride, resin, etc.)

⁶ 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: _____ / _____ / _____

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Section 4I - Finished Product TransportAnnual off-site transfer: 1,500,000 tons

	<u>Haul Vehicle 1</u>	<u>Haul Vehicle 2</u>	<u>Haul Vehicle 3</u>	
Haul vehicle capacity:	<u>25</u>	_____	_____	tons
Haul vehicle empty weight:	<u>18</u>	_____	_____	tons
Max number of trips per day:	<u>187</u>	_____	_____	
Haul road length (avg. one way):	<u>967</u>	_____	_____	feet
Posted speed limit on haul road:	<u>15</u>	_____	_____	mph

List all air pollution controls used for the haul roads:

☐ Paved SurfaceStreet sweeping: ☒ No ☐ Yes☒ Unpaved SurfaceWatering: ☐ None ☒ As needed ☐ Frequent⁶: _____ times/daySurface is graveled: ☐ No ☒ YesChemical stabilizer applied: ☒ No ☐ Yes Type: _____

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

⁶ If "Frequent" is selected, your permit may include a requirement to water haul roads daily as often as listed in this APEN.**Section 5 - Geographical/Site Information**Geographical Coordinates
(Latitude/Longitude or UTM)40.348580,-104.775237

Attach a topographic site map indicating location.

Total site area (acres): 409.23Total disturbed site area (acres): 255.42

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]

Section 6 - 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)

4/1/2022

Date

Garrett Varra

President

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 \$242.00 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) 692-3100



