RECEIVED
By Mark Thompson at 2:20 pm, Jun 18, 2020

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JUN 18 2020
MARICOPA COUNTY
AIR QUALITY DEPARTMENT

Maricopa County Air Quality Department
3800 N. Central Ave, Suite 1400, Phoenix, AZ 85012
Phone: 602.506.6010 Fax: 602.372.0587
AQPermits@mail.maricopa.gov

For Office Use Only	Date Received:	Log Number: F032822

APPLICATION FOR A NON-TITLE V AIR QUALITY PERMIT

As required by A.R.S. §49-480 and Maricopa County Air Pollution Control Regulations, Rule 200

ALL APPLICANTS MUST COMPLETE THE ENTIRE APPLICATION

Important: Please note that email will be our primary means for routine communication with you, unless you do not have an email account. Please be sure that your email address is entered correctly.

1. Business Name (as filed with the Arizona Corporation Commission): Custom Landscape Materials LLC.

2. Is this a portable source? ☐ Yes (If yes, provide the current site info in items 2a, 2b & 3) ☒ No (Complete items 2a, 2b & 3)

2a. Address of site: 8436 E. APACHE TRAIL

City: MESA State: AZ Zip Code: 85044

2b. Parcel # 218-39-005&218-26-013 Look up using the Maricopa County Assessor parcel lookup search

3. Contact at Site: SAM SCHIPPERS Phone: 602-723-0153 Email: samrocks@clm.rocks

4. Type of Ownership: ☐ Corporation ☐ Sole Owner ☒ Partnership ☐ Government ☐ Other - Specify:

5. Name of Ownership or Legal Entity: Twin Knolls Two Land, LLC.

Address: 12045 S Blackfoot Drive

City: Phoenix State: Arizona Zip Code: 85044

6. Ownership Contact: John Oertle 6a. Phone: (480) 753-3888 6b. Fax:

7. Send All Correspondence Including Invoice And Permit To: Company Name: Custom Landscape Materials LLC. Attn: Sam Schippers

Address: P.O.BOX 759

City: BUCKEYE State: AZ Zip Code: 85326

8. SIC (Standard Industrial Classification) or NAICS (North American Industry Classification) Code(s):

9. Brief Description of Business or Process at Site: Crushing & Screening

10. Operating Schedule Hours Per Day: 9 Days Per Week: 5 Weeks Per Year: 52

11. Projected Start-Up Date (New Facilities):

12. The authorized contact person regarding this application is:

Name: LUIS LOPEZ Title: Safety & Compliance

Company: Custom Landscape Materials LLC. Email: luisrocks@clm.rocks

Phone: 602-723-0158 Fax:

13. I certify that I am familiar with the operations and equipment represented on this application, and the corresponding attachments, and the information provided herein is true and complete to the best of my knowledge.

Signature of owner or responsible official of business: [signature] Date: 06/18/20

Type or Print Name and Title: Sam P Schippers

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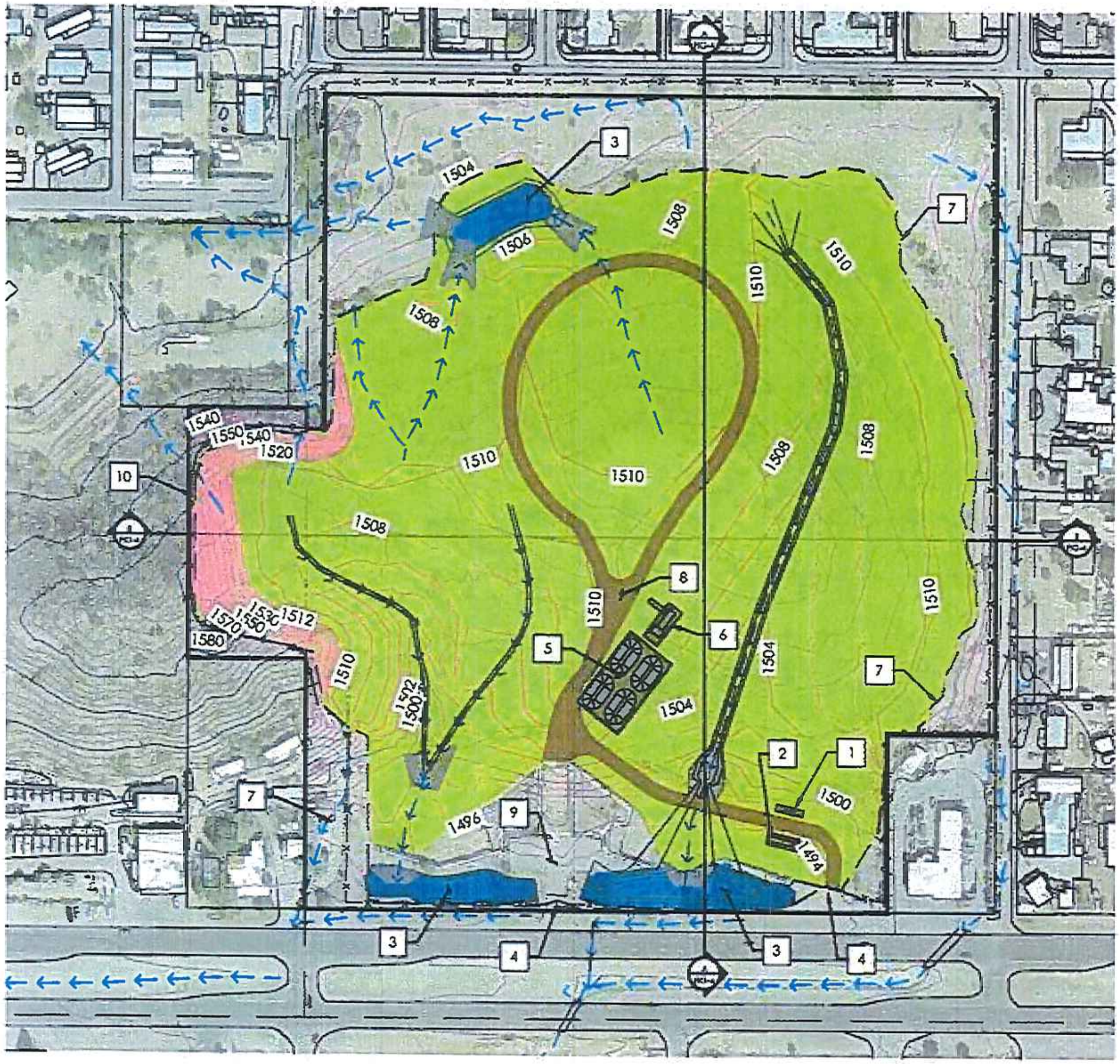
14. SITE DIAGRAM: Attach a site layout showing distances to property lines, equipment, controls, ducts, stacks and emission points. Also show storage areas for fuels, raw materials, chemicals, finished products, waste materials, etc. Attach additional sheets if necessary.



MINE SITE FEATURES:

ID	DESCRIPTION	AREA
1	PORTABLE OFFICE BUILDING	800 SF
2	WEIGH STATION (40'X12')	480 SF
3	TEMPORARY STORMWATER HOLDING BASINS TO CAPTURE FIRST FLUSH VOLUME OF RUNOFF.	31,170 SF
4	EXISTING PAVED PRIVATE COMMERCIAL DRIVEWAY ENTRANCE WITH 20' DOUBLE WIDE SCREENED CHAIN LINK SWING GATE ENTRANCE	750 SF
5	STOCK PILE AREA GRADED BACK TO 2:1 SLOPE WITH 1% MIN GRADE TO DRAIN. INSTALL SILT FENCE AROUND BASE OF STOCK PILES FOR EROSION CONTROL MIN MOISTURE 4.4 %	9,375 SF (125'X75')
6	ROCK CRUSHER WITH DUST SUPPRESSION SPRAYERS	200 SF
7	APPROX. LIMITS OF AGGREGATE MINING DISTURBANCE. FENCED IN AREA W/ SCREENING ADJACENT TO PUBLIC AREAS	856,750 SF
8	HAUL ROAD (COMPACTED GRAVEL)	33,400 SF (1670 LF)
9	PAVED PARKING AREA (EX. TO REMAIN)	6465 SF
10	ROCK FACE CUT (W/ FENCE PROTECTION)	31,370 SF (750 LF)

AREA

SUBJECT PROPERTY = 1,103,375 FT² (25.330 ACRES) +/-
DISTURBED AREA = 856,750 FT² (19.668 ACRES) +/-

LEGEND

- PROPERTY LINE
- LIMITS OF DISTURBANCE
- FENCE LINE / BARRIER
- HISTORIC DRAINAGE
- PROPOSED DRAINAGE
- AGGREGATE MINING AREA
- MINING EQUIPMENT / ROAD
- DRAINAGE BASIN

NORTH

SCALE: 1"= 150'
0 75' 150'

VESPRO
8502 E. Via De Ventura, Suite 101
Scottsdale, AZ 85258
Ph: (480) 393-3640 Fx: (480) 393-3639

MAIN EAST AGGREGATE MINE
8436 E. APACHE TRAIL - MESA, AZ 85207
MINING UNIT & DISTURBANCE SITE PLAN

DATE: 09/26/19 | PROJ. NO: 180024 | SCALE: AS SHOWN | CAD FILE: 18024_Fig-3.dwg | DRAWN: CAP

CUSTOM LANDSCAPE MATERIALS, LLC
25376 W. TONOPAH/SALOME HIGHWAY
BUCKEYE, AZ 85326

FIGURE
1
1 of 1

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15. PROCESS FLOW DIAGRAM: Attach a flow diagram which indicates how processes/activities are conducted at the facility. Begin with raw materials and show each step in the production process. Indicate emissions control devices and all emission points. Attach additional sheets if necessary.

16. OPERATION & MAINTENANCE (O&M) PLAN(S): O&M Plans are required for any process that vents emissions through a control device and includes both add-on control type equipment or processes whose controls are integrated into the design of the process equipment. Indicate if your facility has such control devices. (The list below is not an all-inclusive list of control devices.)

Equipment	No	Yes	How Many?
Baghouse	◉	○	
Dust Collector/Filter	◉	○	
Incineration System (e.g., catalytic or thermal oxidizer, afterburner, boiler, process heater, flare)	◉	○	
Specify:			
Adsorption Unit (e.g., resin, carbon filter, other)	◉	○	
Specify:			
Absorption Unit (e.g., scrubber)	◉	○	
Specify:			

If you checked YES to any of these boxes, submit a separate O&M Plan for each control device. The O&M Plan should specify key system operating parameters and limits, maintenance procedures and schedules, and documentation methods necessary to demonstrate proper operation and maintenance for the control device. For new equipment or processes, provide an educated estimate of the ranges of any parameters to be monitored. These ranges should be supported with manufacturer's test data or other manufacturer's data from engineering calculations and/or experience with the equipment. In addition, O&M Plans should be prepared in accordance with Maricopa County Air Quality Department O&M Plan Guidelines. These guidelines can be obtained on the Forms and Applications web page, on the Operations & Maintenance tab. Multiple control devices can be combined in a single O&M Plan providing they are identical in type, capacity, and use. A separate O&M Plan is required for each device that is unique in type, capacity, or use.

17. DUST CONTROL PLAN: Facilities that conduct "routine" dust-generating operations with a disturbed surface area that equals or exceeds 0.10 acre (4,356 square feet) are required to submit a Dust Control Plan. "Routine" is defined as any dust-generating operation which occurs more than 4 times per year or lasts 30 cumulative days or more per year. Dust-generating operations involve any activity capable of generating fugitive dust including, but not limited to, land clearing, earthmoving, weed abatement by discing or blading, excavating, vehicle use and movement on unpaved parking lots, the operation of any outdoor equipment, or bulk material handling, storing and/or transporting. Bulk materials include, but are not limited to, non-metallic minerals, soil, demolition debris, cotton, trash, saw dust, feed, grain, fertilizers, fluff from shredders, dry concrete, or any other material that is capable of producing fugitive dust.

A. Indicate if your facility has or conducts any of the following:

Unpaved parking lots	○ No	◉ Yes
Unpaved staging/material storage areas	○ No	◉ Yes
Unpaved haul/access roads	○ No	◉ Yes
Open storage piles	○ No	◉ Yes
Bulk material hauling, storing and/or transporting	○ No	◉ Yes
Weed abatement by discing or blading	◉ No	○ Yes
Blasting operations	○ No	◉ Yes
Other routine dust-generating activity	◉ No	○ Yes

B. How many acres of disturbed surface area does the facility have? 19.7

C. If you checked YES to any of the items in Question 17(A) and have more than 0.10 acre (4,356 square feet) of disturbed surface area, you must submit a Dust Control Plan with this application. The appropriate dust control plan forms are available on our website.

Rule 316 Dust Control Plan (Non-metallic mineral processing facilities subject to Rule 316)

Rule 310 Dust Control Plan (All other facilities not subject to Rule 316)

18. APPLICABLE SECTIONS. Review each section of the application and mark below the sections that apply to this facility. Submit only those sections that apply to this facility. Note that Section Z must be completed by all applicants.

- [ ] A Fuel Burning Equipment
- [x] B Internal Combustion Engines & Turbines
- [ ] C Petroleum Storage Tanks
- [ ] D Water & Soil Remediation
- [ ] E Surface Coating
- [ ] F Woodworking Operations
- [ ] G Solvent Cleaning
- [ ] H Metal Finishing Processes
- [ ] I Dry Cleaning Equipment
- [ ] J Graphic Arts
- [ ] K-1 Concrete Batch Plants
- [x] K-2 Non-Metallic Mineral Mining and/or Processing
- [ ] K-3 Asphalt Production
- [x] K-4 Non-Metallic Mineral Storage and Processing (continued)
- [ ] L Abrasive Blasting
- [ ] X Emissions Sources for Hazardous Air Pollutants
- [ ] Y Other Sources
- [x] Z Air Pollution Emissions

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SECTION A. EXTERNAL FUEL BURNING EQUIPMENT

Your facility may not require a Non-Title V permit if the facility is eligible to obtain an authority to operate (ATO) under a general permit. (Refer to the Fuel Burning General Permit Application to determine eligibility)

Complete this section if you burn natural gas, propane, butane, waste derived fuel, fuel oils, used oil, diesel, kerosene, gasoline, coal, charcoal, wood, or any other fossil fuel. Provide complete specifications for non-commercial and special fuels. Describe equipment such as boilers, furnaces, space heaters, water heaters, dryers, pool and spa heaters, kilns, ovens, burners, stoves, steam cleaners, hot water pressure washers, etc, with an input rating of 300,000 Btu/hr or more. Do not include vehicles, forklifts, lawn mowers, weed eaters and hand-held equipment operating on fossil fuels. Use Section Y to describe items such as asphalt kettles, incinerators, crematories, and emission control devices burning fuel. List internal combustion engines and gas turbines in Section B.

Fuel Type	Make / Model / Identification #	Date of Installation	Number of Hours in Operation Annually	Equipment Rating (Btu/hr)*

*Equipment rating is the heat input capacity for each external combustion unit (boiler, heater, etc.) in Btu/hr.

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SECTION B. INTERNAL COMBUSTION ENGINES & TURBINES

Your facility may not require a Non-Title V permit if the facility is eligible to obtain an authority to operate (ATO) under a general permit. (Refer to the Emergency Internal Combustion Engine General Permit Application to determine eligibility.)

This section applies to stationary fuel-fired equipment such as generators, fire pumps, air conditioning compressor engines, co-generation units, etc. Do not include vehicles, forklifts, lawnmowers, and hand-held equipment.

Portable engines that remain in one location for no more than 12-consecutive months are exempt from permitting requirements. If you believe your engine may qualify, please fill out a Non-Road Engine Determination Form.

Submit the manufacturer's specification sheets for each engine listed, specifying the engine make, model, manufactured date, emission data, and maximum engine power rating.

Fuel Type	Make / Model / Identification # *	Emergency or Non-emergency	Date Manufactured	Number of Hours in Operation Annually	Engine Rating (bhp) **	Genset Output (hp, kW)
Diesel	TBD. RENTAL CAT 500 500Kw	Non-E	Late Mod.		580	

* Describe air pollution abatement/controls, if any.

** Enter the brake horsepower (bhp) rating of the engine. This information may be found on the engine faceplate or obtained from the engine manufacturer. The engine bhp rating should not be confused with the output power rating of the generator.

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SECTION C. PETROLEUM STORAGE TANKS

Your facility may not require a Non-Title V permit if the facility is eligible to obtain an authority to operate (ATO) under a general permit. (Refer to the Gasoline Dispensing General Permit Application to determine eligibility.)

This section applies to storage of gasoline and other organic liquids which have a true vapor pressure of 0.5 psia or greater under actual loading conditions. Petroleum terminals and bulk plants must use Section Y instead of this section. Also use Section Y to list storage tanks containing liquids with a vapor pressure less than 0.5 psia, non-petroleum organic liquids, caustic solutions, acids, etc.

1. Describe Tanks and Products Stored

Product Stored	Capacity of Each Tank (gallons)	Above Ground or Underground?	Date of Installation	Submerged Fill Pipe? (Yes/No)*	Stage I Vapor Recovery System? (Yes/No)**
Diesel	1000	Above	TBD		

*A fill pipe is considered submerged if the discharge opening is completely submerged when the liquid level is six inches above the tank bottom. All gasoline storage tanks with a capacity of more than 250 gallons must be equipped with a submerged fill pipe.

**A Stage I Vapor Recovery System returns displaced vapors from the storage tank into the tank truck from where the liquid is loaded.

2. Estimate total annual throughput for each product stored in these tanks.

Product: _____ Gallons/year: _____

Product: _____ Gallons/year: _____

Product: _____ Gallons/year: _____

Product: _____ Gallons/year: _____

Product: _____ Gallons/year: _____

Product: _____ Gallons/year: _____

Product: _____ Gallons/year: _____

3. Is any gasoline stored at this facility resold? ☐ Yes ☐ No

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SECTION D. WATER & SOIL REMEDIATION

This section applies to any site where clean-up activities for contaminated soil or water will be conducted.

1. Type of Contaminant ◯ Diesel ◯ Gasoline ◯ Other - Specify _____

2. Contaminated Material ☐ Soil ☐ Water

3. Specify the type of control device (such as carbon cannister, catalytic oxidizer, biofilter, thermal oxidizer, etc.)

Type of Control Device	Maximum Inlet Design Capacity Concentration (ppm)	Maximum Flow Rate Design Capacity (cfm)	Minimum Inlet Temperature (°F), if applicable

4. Concentration of each contaminant (Specify unit of measure)

Contaminant: _____ Concentration: _____

Contaminant: _____ Concentration: _____

Contaminant: _____ Concentration: _____

Contaminant: _____ Concentration: _____

5. Estimated VOC emission rates

Before the control device: _____ lb/day _____ lb/hr

After the control device: _____ lb/day _____ lb/hr

6. Projected start-up and completion dates

Start-up Date: _____ Completion Date: _____

7. Briefly describe procedure. (Describe fully in the scope of work summary required by Item 8 of this section.)

8. Submit full details of the scope of work, treatment procedures, and equipment specifications such as type, capacity and control efficiency of air emissions. Include test results and calculations used to estimate VOC and HAP emissions.

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SECTION E. SURFACE COATING

Your facility may not require a Non-Title V permit if the facility is eligible to obtain an authority to operate (ATO) under a General Permit for Surface Coating, Vehicle and Mobile Equipment Refinishing, or Woodworking. Refer to the appropriate application to determine eligibility.

1. Indicate the type(s) of coating operation(s) performed. Use separate copies of Section E if the facility performs coating operations subject to different rules.

- ☐ Miscellaneous surface coating (Rule 336)
- ☐ Coating motor vehicles and/or mobile equipment (Rule 345)
- ☐ Coating aerospace vehicles and their components (Rule 348)
- ☐ Coating wood furniture and fixtures (Rule 342)
- ☐ Coating wood millwork (Rule 346)
- ☐ Powder coating

2. Describe the substrate being coated (such as metal, plastic, wood, etc.): _____

3. Describe the product being coated (such as file cabinets, bed frames, etc.): _____

4. List all coatings, solvents, and cleaning materials used, including but not limited to paints, primers, clear coats, catalysts, thinners, reducers, accelerators, retarders, paint strippers, gun cleaners, cleaning solvents, stains, plastic coatings, adhesives, and surface preparation materials. Submit a Safety Data Sheet (SDS) for each material listed and number it to correspond to Column 1 of the table below. Each data sheet must state the name, manufacturer, VOC content, hazardous component concentrations, density/specific gravity, and vapor pressure of the material.

SDS #	Material Type *	Material Name	Application Method ** (See list below)	VOC Content (lbs/gal, g/l, lbs/lb)	Estimated Usage (gal/yr)	Amount Shipped as Waste (gal.yr)

* Specify the purpose of the material, e.g., primer, thinner, topcoat, etc.

** Application Methods

A. Low pressure spray gun (HLVP or LVLP) B. Electrostatic system C. Air and/or airless atomization D. Flow coat
E. Roll coat F. Dip coat G. Hand application H. Other - specify: _____

5. Are any coatings baked, oven-cured or heat-treated? Which ones? At what temperature? If ovens burn fuel (such as natural gas, propane, etc.), also include them in Section A of this application.

6. Are any spray coating operations conducted outside a building? ☐ Yes ☐ No

If yes, all spray coating of objects that can fit inside of an enclosure with internal dimensions of 10'W X 25'L X 8'H must be conducted inside an enclosure which has at least three sides a minimum of eight feet in height and able to contain any object(s) being coated.

7. List all enclosures and/or booths for spray coating operations. Provide written documentation of filter efficiency (i.e., manufacturer's data or source test data).

Equipment #	Size (L x W x H)	Exhaust Fan (cfm)	Filter Efficiency (%)

8. Describe the following cleaning operations.

a. How are substrates cleaned in preparation for surface coating?

b. How is the coating application equipment (e.g. spray guns, wands, rollers, brushes, etc.) cleaned? Provided the manufacturer's specifications for the cleaning equipment.

c. How is the cleaning solvent disposed? Disposal of solvent by evaporation is not permitted. If waste solvent is redistilled on site, provided information on the still, including manufacturer's literature.

d. If dip tanks and/or degreasers are used, complete Section G of this application.

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SECTION F. WOODWORKING OPERATIONS

Your facility may not require a Non-Title V permit if the facility is eligible to obtain an authority to operate (ATO) under a general permit. (Refer to the Woodworking General Permit Application to determine eligibility.)

This section is intended for all processes, equipment, and related emission controls associated with the manufacture of furniture, fixtures or millwork made of wood or wood-derived material.

1. How much sawdust is produced annually? _____ ☐ cubic yards ☐ tons

2. List all woodworking equipment including, but not limited to, saws, routers, planers, sanders, edgers, etc.

Equipment Type	Make/Model/Identification #	Power Rating (HP)	Quantity	Exhausted to Control? (Yes/No)

3. Describe air pollution control devices. Submit an Operation and Maintenance (O&M) Plan for each control device listed that vents outdoors. Provide written documentation of control efficiency (e.g., manufacturer's data or actual test data).

Type of Control Device	Make/Model/Identification #	Maximum Design Air Flow Rate (CFM)	Control Efficiency (% Weight)	Control Exhaust Vents

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SECTION G. SOLVENT CLEANING

This section applies to solvent operations such as, but not limited to, dip tanks for parts cleaning, wipe cleaning, vapor degreasers, and in-line cleaning machines.

1. List all solvent cleaning devices and cleaning solvents used. Provide the manufacturer's specifications to each piece of equipment. Submit a Safety Data Sheet (SDS) for each material listed and number it to correspond to the table below. Each SDS must state the name, manufacturer, VOC content, hazardous component concentrations, density/specific gravity, and vapor pressure of the material. Provide any additional equipment information, usage rate and/or operating parameters for solvent cleaning devices utilizing any of the following halogenated solvents: **methylene chloride, perchloroethylene, trichloroethylene, 1, 1, 1–trichloroethane, carbon tetrachloride, and/or chloroform**.

Equipment Type* (See list below)	Make/Model/Identification #	Internal Volume (gallons)	Solvent Interface Area (sq ft)	Solvent Used	SDS #	Annual Solvent Usage (gallons)	Disposal Quantity (gallons)	Exhausted to Control?

*Solvent cleaning equipment types:

A. Non-vapor batch cleaning machine with remote reservoir
B. Non-vapor batch cleaning machine with internal reservoir
C. Non-vapor in-line cleaning machine
D. Special non-vapor machine using blasting, misting or high pressure flushings
E. Non-vapor batch cleaning machine using solvent that is heated, agitated, or has a VOC vapor pressure exceeding 1 mm Hg at 68° F
F. Batch loaded vapor cleaning machine
G. In-line vapor cleaning machine
H. Other (specify) : _____

2. Describe how the cleaning solvents are disposed. Disposal of solvent by evaporation is not permitted. If waste solvent is redistilled on site, provide information on the still, including manufacturer's specifications.

3. Describe air pollution control devices. Submit an Operation and Maintenance (O&M) Plan for each control device listed and provide documentation of control efficiency (e.g., manufacturer's data or actual test data).

Type of Control Device	Make/Model/Identification #	Maximum Design Air Flow Rate (CFM)	Control Efficiency (% Weight)

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SECTION H. PLATING, ETCHING & OTHER METAL FINISHING PROCESSES

This section applies to metal coating operations performed in tanks that contain liquids for metal finishing processes. These processes include but are not limited to: chromium electroplating, chromium anodizing, non-chromium electroplating, electroforming, electro-polishing, chromate conversion coating, electroless nickel plating, nickel acetate sealing, sodium dichromate sealing, and manganese phosphate coating.

If a tank is heated by a flame, include the burner information in Section A of this application. Be sure to indicate how waste solutions and rinse waters are disposed. If a wastewater evaporator is used, provide detailed information (make, model, capacity, fuel source, burner rating, etc.) in Section Y. Evaporation from open ponds or evaporating tanks is not permitted for materials such as acids, alkalis, or VOC-containing materials.

1. Provide a narrative description of the process line:

2. List all processing tanks. Describe the function of each tank, such as surface cleaning, etching, strippping, chromium anodizing, hard chrome plating, decorative chrome plating, chromate conversion, nickel plating, etc. Exclude rinse and wastewater tanks.

Tank #	Tank Process	Tank Capacity (gallons)	Interface Area (sq ft)	pH	Temp (°F)	Electric Current?	Exhausted to Control?

3. Are any of the tanks listed above used for Hard Chrome Electroplating? ☐ Yes ☐ No

If "Yes", what is the cumulative rectifier capacity installed at the facility? _____ Amperes

4. List materials used. Submit a copy of the Safety Data Sheet (SDS) for each material and number the SDS to correspond to the table below.

SDS #	Material	Annual Usage		Tank # in which Used	Concentration in Tank (% volume)

5. Describe air pollution control devices. Submit an Operation and Maintenance (O&M) Plan for each control device listed and provide written documentation of control efficiency (e.g., manufacturer's data or actual test data).

Type of Control Device	Make/Model/Identification #	Maximum Design Air Flow Rate (CFM)	Equipment Controlled (Tank #)

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SECTION I. DRY CLEANING EQUIPMENT

Your facility may not require a Non-Title V permit if the facility is eligible to obtain an authority to operate (ATO) under a general permit. (Refer to the Dry Cleaning General Permit Application to determine eligibility.)

1. Estimate total annual throughput for each solvent used:

Solvent:		Estimated Usage (gal/yr):	
Solvent:		Estimated Usage (gal/yr):	
Solvent:		Estimated Usage (gal/yr):	
Solvent:		Estimated Usage (gal/yr):	

2. Type of operation: ☐ Dry-to-dry ☐ Transfer

3. Are any dry cleaning machines coin operated? ☐ Yes ☐ No

4. Is the dry cleaning facility located in a building with any residences (even if the residence[s] are vacant at the time of this application)?

☐ Yes ☐ No

5. List dry-cleaning-related equipment. Submit manufacturer's specifications for air pollution control devices.

Make/Model/Identification #	Date Installed	Rated Capacity (lbs)	Exhaust Flow Rate (CFM)	Control Device* (See list below)	Date Control Installed

*Control devices:

A. None, exhaust vents to air
B. Carbon adsorber
C. Built-in refrigerated condenser
D. Separate refrigerated condenser
E. Other, specify: _____

6. List wastewater treatment equipment.

Make/Model/Identification #	Date Installed	Rated Capacity (specify units)

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SECTION J. GRAPHIC ARTS

Your facility may not require a Non-Title V permit if the facility is eligible to obtain an authority to operate (ATO) under a general permit. (Refer to Graphic Arts General Permit Application to determine eligibility.)

1. List all graphic arts equipment.

Make / Model / Identification #	Press Type* (See list below)	Substrate Feed Method	Impression Area (sq in)	Exhaust to Control?

*Press Types:

(F) Flexographic (L) Lithographic (LP) Letter Press (S) Screen (G) Gravure (D) Digital

(O) Other, specify: _____

2. Indicate substrate type:

☐ Porous ☐ Non-porous ☐ Coated ☐ Uncoated

3. List all inks, fountain solutions, blanket washes, varnishes, roller washes, etch solutions, fixers, developers, replenishers, alcohol substitutes, finishers, adhesives, solvents, and cleanup materials used. Submit a safety data sheet (SDS) for each material listed and number it to correspond to Column 1 of the table below. Each data sheet must state the name, manufacturer, VOC content, hazardous component concentrations, density/specific gravity, and vapor pressure of the material.

SDS #	Material Type	Material Name	VOC Content (lbs/gal, g/l, lbs/lb)	Estimated Usage (gal/yr)	Amount Shipped as Waste (gal/yr)

4. Describe air pollution control devices. Submit an Operation and Maintenance (O&M) Plan for each control device listed and provide documentation of control efficiency (e.g., manufacturer's data or actual test data).

Type of Control Device	Make / Model / Identification #	Maximum Design Air Flow Rate (CFM)	Control Efficiency (% Weight)

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SECTION K-1. CONCRETE BATCH PLANTS, LOADING STATIONS AND/OR BAGGING OPERATIONS

This section is intended for all processes, equipment and related emission controls for concrete batch plants, loading stations and/or bagging operations. Provide flow diagrams and layouts for each process. An operation and maintenance (O&M) plan for each air pollution control device is required. If aggregate crushing occurs in conjunction with this process, you must also complete Section K-2 of this application.

1. Type of Operation ☐ Concrete Batch Plant ☐ Dry Mix Concrete ☐ Bagging Operation ☐ Loading Station ☐ Other _____

2. Maximum Capacity of Concrete Batch Plant (tons/hr): _____

3. Number of Conveyors: _____

4. List all materials handled, stored, processed, used, mixed, treated, or emitted.

Material Type/Transfer Operation	Maximum Projected Annual Usage or Throughput (tons/yr)
Sand delivered to ground storage	
Aggregate delivered to ground storage	
Sand transfer to conveyor (account for multiple transfer points)*	
Aggregate transfer to conveyor (account for multiple transfer points)*	
Sand transfer to elevated storage bin	
Aggregate transfer to elevated storage bin	
Cement transfer to elevated silo	
Cement supplement (such as flyash) transfer to elevated silo	
Weigh hopper loading (sand and aggregate only)	
Mixer loading - central mix (cement and supplement only)	
Truck loading - truck mix (cement and supplement only)	
Other (specify):	

*For sand and aggregate transfer to conveyor, account for multiple transfer points. For example, if 100 tons of sand is transferred three times to different conveyors, the total throughput of sand is 300 tons.

5. Describe each piece of equipment utilizing the table below. List weigh hoppers, conveyers, mixers, etc. Assign an equipment number in the table below and label the attached flow diagram accordingly.

Equipment Number	Make / Model / Serial #	Date Installed	Maximum Design Throughput (tons/hr)	Exhaust to Control? (Yes/No)

6. Describe air pollution control devices. Submit an O&M for each control device listed and provide written documentation of control efficiency (e.g., manufacturer's data or actual test data)

Type of Control Device	Make / Model / Identification #	Maximum Design Air Flow Rate (CFM)	Control Efficiency (% Weight)	Equipment Controlled **

**Specify the equipment number from item 5, column 1 for the piece of equipment whose emissions are being controlled by the control device.

Applicants must also complete Section K-4

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SECTION K-2. NON-METALLIC MINERAL MINING AND/OR PROCESSING

(except Concrete Batch Plants [Section K-1] and Asphalt Plants [Section K-3])

This section is intended for all processes, equipment and related emission controls for sand and gravel plants. Provide flow diagrams and layouts for each process. An operation and maintenance (O&M) plan for each air pollution control device is required.

1. Process Narrative Description:

Grading hard rock to plant for future development by owner, development to be determined within zoning requirements

2. Maximum design capacity of mineral mining and processing plant (tons/hr): 250

3. List all materials handled, stored, processed, used, mixed, treated, or emitted.

Material	Maximum Projected Annual Usage or Throughput (tons/yr)
Sand	
Aggregate	250,000
Other (specify):	
Other (specify):	

4. Describe each piece of equipment used for mining and processing operations, including (but not limited to) crushers, screens, weigh hoppers, conveyers, stackers, mixers, etc. Assign equipment numbers in the table below and label the attached flow diagram accordingly.

Equipment Number	Make / Model / Serial #	Date Installed	Maximum Design Throughput (tons/hr)	Exhaust to Control? (Yes/No)
	will be Portable rented plant	TBD	225	Yes

5. Describe air pollution control devices. Submit an O&M plan for each control device listed and provide written documentation of control efficiency (e.g., manufacturer's data or actual test data).

Type of Control Device	Make / Model / Identification #	Maximum Design Air Flow Rate (CFM)	Control Efficiency (% Weight)	Equipment Controlled **

**Specify the equipment number from item 4, column 1 for the piece of equipment whose emissions are being controlled by the control device.

Applicants must also complete Section K-4

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SECTION K-3. ASPHALT PRODUCTION

This section is intended for all process, equipment and related emission controls for asphalt plants. Provide flow diagrams and layouts for each process. An operation and maintenance (O&M) plan for each air pollution control device is required. If aggregate crushing and/or screening occurs in conjunction with this process, you must also fill out Section K-2. Complete Section A of this application for fuel-burning dryers and heaters.

1. Maximum Design Production Capacity: _____ tons/hr _____ tons/yr

2. Maximum Projected Production Rate: _____ tons/yr

3. Daily Hours of Operation: _____ hrs/day

4. Type of Plant: ☐ Batch Mix ☐ Continuous Mix

5. Dryer Fuel Type & Heat Rating: ☐ Natural Gas ☐ Fuel Oil (Specify Grade): _____ ☐ Diesel ☐ On Spec. Used Oil
☐ Other Fuel (Specify): _____ Heat Rating (btu/hr): _____

6. Asphalt Heater (if applicable): ☐ Electric ☐ Fuel Fired
Heat Rating (btu/hr): _____

7. Aggregate Material Used (check all that apply): ☐ Virgin Aggregate ☐ Reclaimed Asphalt Pavement (RAP)
☐ Rubber or Rubber-like Material

8. Describe air pollution control devices. Submit an O&M for each control device listed and provide written documentation of control efficiency (e.g., manufacturer's data or actual test data).

Type of Control Device	Make / Model / Identification #	Maximum Design Air Flow Rate (CFM)	Control Efficiency (% Weight)

Applicants must also complete Section K-4

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SECTION K-4. NON-METALLIC MINERAL PROCESSING - CONTINUED

Applicants completing Section K-1, Section K-2, or Section K-3, must also complete this section, as well as submit both a Rule 316 Dust Control Plan (DCP) and an Operation and Maintenance (O&M) Plan for equipment associated with any process fugitive emissions and fugitive dust control measures (i.e. gravel pads, wheel washers, truck washers, rumble grates, watering systems, and street sweepers) that are implemented to comply with Rule 316. (For sample O&M Plan templates go to the Operations & Maintenance tab on the Forms and Applications web page).

1. Maximum number of aggregate, mixer, and/or batch trucks exiting the facility on any day: 25
2. Number of acres of sand and aggregate storage piles: 1.5 Acre
3. Number of acres of disturbed surface area at the site[1]: 19.7 Acres
4. Is the facility a stationary source that is located contiguous or adjacent to another facility with an MCAQD or ADEQ air permit?

☐ Yes ■ No

NOTES to Questions 1 - 4:

[1] DISTURBED SURFACE AREA is defined as a portion of the earth's surface (or material placed thereupon) which has been physically moved, uncovered, destabilized, or otherwise modified from its undisturbed native condition, thereby increasing the potential for the emission of fugitive dust.

5. Vehicle Travel On Unpaved Roads. Indicate the number of miles traveled on-site annually on unpaved roads for each speed and vehicle class specified below.

Vehicle Type	Vehicle Miles Traveled Annually (VMT)			
	10 mph	15 mph	20 mph	Other Speed:
Light Duty (e.g., pickup trucks, cars)				
Medium Duty (e.g., front end loaders, fork lifts)				
Heavy Duty (e.g., haul trucks, cranes)				925 miles 5 m/ph

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SECTION L. ABRASIVE BLASTING

This section is intended for all processes, equipment, and related emission controls associated with abrasive blasting operations (e.g. surface preparation using an abrasive media propelled by pressurized liquid, compressed air, or other method against a substrate's surface). Your facility may not require a Non-Title V permit if the facility is eligible to obtain an authority to operate (ATO) under a General Permit for Surface Coating and Abrasive Blasting.

1. Is abrasive blasting performed daily or is it part of the facility's primary work activities? ☐Yes ☐No

2. Describe substrate being blasted (e.g., metal, stone, concrete, etc.): _____

3. Describe substrate being removed (e.g., non-leaded paint, leaded paint, rust, etc.): _____

If leaded paint was indicated on item 3, indicate the percent concentration of lead in the paint: _____ %

4. Blast Media: Indicate the type and quantity of each blast media used and submit a safety data sheet (SDS).

Type of Blast Media	Maximum Annual Usage (tons/yr)	Are Blast Media CARB Certified? (Yes/No) *	How many times are Blast Media reclaimed for reuse?

*Certified by California Air Resources Board (CARB) pursuant to Section 92530 of Subchapter 6, Title 17, California Code of Regulations. See the CARB list of certified abrasives.

5. List all abrasive blasting equipment.

Equipment Type (see list below)**	Make / Model / Identification #	Blasting Method (see list below)***	Internal Volume (ft^3)	Confined or Unconfined?	Equipment Exhaust Vents

**Equipment Types: A. Booth B. Enclosure C. Room D. Cabinet E. Other (Specify): _____

***Blasting Methods: A. Hydroblasting B. Wet Abrasive Blasting C. Dry Abrasive Blasting D. Vacuum Blasting

E. Other (Specify): _____

6. Describe air pollution control devices. Submit an Operation and Maintenance (O&M) Plan for each control device listed and provide written documentation of control efficiency (e.g., manufacturer's data or actual test data).

Type of Control Device	Make / Model / Identification #	Maximum Design Air Flow Rate (CFM)	Control Efficiency (% Weight)	Control Exhaust Vents: (indoors / outdoors)

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SECTION X. EMISSIONS SOURCES FOR HAZARDOUS AIR POLLUTANTS

This section is for all facilities which will have hazardous air pollutant (HAP) emissions of any single federal HAP listed on the last page of the application.

Identify each HAP emission source and each HAP associated with that emission source for the entire facility. Use as many lines as necessary for each HAP source.

Source or Equipment Name	HAP and/or CAS #	HAP Emission Rate		Stack or Point Discharge Parameters (3)					Building or Release Source Dimensions (4)			Distance from Source to Nearest Property Line (ft) (5)
		(lb/hr) (1)	(tons/yr) (2)	Stack ID	Stack Height Above Ground (ft)	Exit Velocity (fps)	Flow Rate (ACFM)	Temp (°F)	Length (ft)	Width (ft)	Height (ft)	

(1) Pounds per hour (lb/hr) is actual emission rate estimated or measured by applicant to be released from the emissions source.

(2) Tons per year is actual annual emission rate estimated or measured by applicant to be released from the emissions source. This value should take into account process operating schedules.

(3) If the emission source is a point source, provide information about the stack or point of discharge.

(4) If the emission source is a non-point (area) source located inside a building, provide the dimensions of the building. Otherwise, provide the dimension of the release source.

(5) Enter the closest distance between the emission source and the nearest property boundary.

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SECTION Y. OTHER SOURCES

This section is intended for all emissions related activities, equipment and applicable emission controls which are not covered in previous sections. Use a separate sheet for each process line. **If you need additional sheets, print multiple copies of this page.**

Provide a simple process (block flow) diagram with emission points and/or emission areas and control equipment identified. In response to item 2, provide a detailed step-by-step narrative, including how raw materials are handled, stored, processed, mixed, treated, and converted to finished products. Provide flow rates, temperatures, pressures, and other appropriate details concerning each process. Whenever available, provide manufacturer's data sheets and literature. Describe in detail how waste materials are generated, handled, stored, processed, mixed, treated and disposed of. List each material that is partially recovered, salvaged or otherwise reclaimed. Provide estimates of the quantities of such material recoveries on an annual basis. Describe how the annual quantity figures were developed.

1. Name of Process, Equipment Grouping or Activity: _____

2. Narrative description:

3. Equipment List. Include machinery, storage silos, tanks, etc.

Assigned Equipment #	Make / Model / Identification #	Date of Installation	Rated Capacity (specify units)	Exhausted to Control? (Yes/No)

4. Material List. List all materials handled, stored, processed, used, mixed, treated, or emitted from the facility, including but not limited to chemicals, mixtures, resins, cleaning compounds, etc. Submit a copy of the Safety Data Sheet (SDS) for each material and number the SDS to correspond to the table below.

SDS #	Material	Chemical Composition (% weight)	Annual Usage or Throughput (gal/lbs/tons)	Amount Shipped as Waste (gal/lbs/tons)	Equipment Number in which used**

**Specify the assigned equipment number from item 3, column 1 for the piece of equipment in which the material is used.

5. Describe air pollution control devices. Submit an Operation and Maintenance (O&M) Plan for each control device listed and provide written documentation of control efficiency (e.g., manufacturer's data or actual test data).

Type of Control Device	Make / Model / Identification #	Maximum Design Air Flow Rate (CFM)	Control Efficiency (% Weight)	Equipment Controlled ***

***Specify the assigned equipment number from item 3, column 1 for the piece of equipment whose emissions are being controlled by the control device.

SECTION Z. AIR POLLUTANT EMISSIONS

Provide a summary of the projected actual air emissions on an annual basis for the entire site in the following summary tables. Submit detailed calculations to support the figures.

Pollutant	Emissions (lbs/yr)
Carbon monoxide (CO)	
Oxides of nitrogen (NOx)	
Oxides of sulfur (SOx)	
Particulates of 2.5 microns or smaller ($PM_{2.5}$)	
Particulates of 10 microns or smaller (PM_{10})	
Total suspended particulates (TSP), including PM_{10}	
Volatile organic compounds (VOCs)[1]	
Lead	
Federal hazardous air pollutants (list each one separately):	

[1] VOCs are defined by EPA in their Technical Overview of Volatile Organic Compounds web page.

Do not include the emissions from motor vehicles. Include the emissions from stationary sources, portable sources, test areas, experimental facilities, evaporative losses, storage and handling losses, fuel loading and unloading losses, etc. Specifically identify the following in detailed calculations:

1. Emissions From Each Point Source And Each Stack
2. Capture Efficiencies
3. Control Efficiencies
4. Overall Efficiencies
5. Fugitive Emissions
6. Non-point (area) Emissions

For particulate (dust) emissions, describe the types of particulates being emitted and the quantities of emissions for each type. Whenever a material is identified by a trade name, also provide its generic name and its chemical abstract service (CAS) number.

Facilities with emissions greater than or equal to the thresholds shown below may be subject to additional permitting requirements, such as minor New Source Review (NSR) and/or Best Available Control Technology (BACT) per MCAQD Rule 241.

Pollutant	**Potential to Emit Threshold (tpy)**	
	Minor NSR	BACT
Fine Particulate Matter ($PM_{2.5}$)	5.0	10
Respirable Particulate Matter (PM_{10})	7.5	15
Sulfur Dioxide (SO_2)	20	40
Nitrogen Oxides (NO_x)	20	40
Volatile Organic Compounds	20	40
Carbon Monoxide (CO)	50	100
Lead (Pb)	0.3	0.3

For sources subject to minor NSR and required to conduct an ambient air quality impact assessment, see the Minor New Source Review Air Dispersion Modeling Guideline.

See Requirements, Procedures and Guidance in Selecting BACT and RACT for information about BACT.

Emission Factors for calculating emissions from specific industries or processes can be obtained at the EPA Compilation of Air Pollutant Emission Factors (AP-42). Industry-specific help sheets and other reference materials may be found at: Emissions Inventory Instructions & Help Sheets.

If you need help completing the application package, please contact our Business Assistance Office at 602-506-5102.

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FEDERAL HAZARDOUS AIR POLLUTANTS LIST

(Federal Clean Air Act, Title I, Section 112(b))

CAS No.	Chemical name
75070	Acetaldehyde
60355	Acetamide
75058	Acetonitrile
98862	Acetophenone
53963	2-Acetylaminofluorene
107028	Acrolein
79061	Acrylamide
79107	Acrylic acid
107131	Acrylonitrile
107051	Allyl chloride
92671	4-Aminobiphenyl
62533	Aniline
90040	o-Anisidine
1332214	Asbestos
71432	Benzene (including benzene from gasoline)
92875	Benzidine
98077	Benzotrichloride
100447	Benzyl chlo ride
92524	Biphenyl
117817	Bis(2-ethylhexyl)phthalate (DEHP)
542881	Bis(chloromethyl)ether
75252	Bromoform
106990	1,3-Butadiene
156627	Calcium cyanamide
133062	Captan
63252	Carbaryl
75150	Carbon disulfide
56235	Carbon tetrachloride
463581	Carbonyl sulfide
120809	Catechol
33904	Chloramben
57749	Chlordane
7782505	Chlorine
79118	Chloroacetic acid
532274	2-Chloroacetophenone
108907	Chlorobenzene
510156	Chlorobenzilate
67663	Chloroform
107302	Chloromethyl methyl ether
126998	Chloroprene
1319773	Cresols/Cresylic acid (isomers and mixture)
95487	o-Cresol
108394	m-Cresol
106445	p-Cresol
98828	Cumene
94757	2,4-D, salts and esters
3547044	DDE
334883	Diazomethane
132649	Dibenzofurans
96128	1,2-Dibromo-3-chloropropane
84742	Dibutylphthalate
106467	1,4-Dichlorobenzene(p)
91941	3,3-Dichlorobenzidene
111444	Dichloroethyl ether (Bis(2-chloroethyl)ether)
542756	1,3-Dichloropropene
62737	Dichlorvos
111422	Diethanolamine

CAS No.	Chemical name
121697	N,N-Diethyl aniline (N,N-Dimethylaniline)
64675	Diethyl sulfate
119904	3,3-Dimethoxybenzidine
60117	Dimethyl aminoazobenzene
119937	3,3'-Dimethyl benzidine
79447	Dimethyl carbamoyl chloride
68122	Dimethyl formamide
57147	1,1-Dimethyl hydrazine
131113	Dimethyl phthalate
77781	Dimethyl sulfate
534521	4,6-Dinitro-o-cresol, and salts
51285	2,4-Dinitrophenol
121142	2,4-Dinitrotoluene
123911	1,4-Dioxane (1,4-Diethyleneoxide)
122667	1,2-Diphenylhydrazine
106898	Epichlorohydrin (1-Chloro-2,3-epoxypropane)
106887	1,2-Epoxybutane
140885	Ethyl acrylate
100414	Ethyl benzene
51796	Ethyl carbamate (Urethane)
75003	Ethyl chloride (Chloroethane)
106934	Ethylene dibromide (Dibromoethane)
107062	Ethylene dichloride (1,2-Dichloroethane)
107211	Ethylene glycol
151564	Ethylene imine (Aziridine)
75218	Ethylene oxide
96457	Ethylene thiourea
75343	Ethylidene dichloride (1,1-Dichloroethane)
50000	Formaldehyde
76448	Heptachlor
118741	Hexachlorobenzene
87683	Hexachlorobutadiene
77474	Hexachlorocyclopentadiene
67721	Hexachloroethane
822060	Hexamethylene-1,6-diisocyanate
680319	Hexamethylphosphoramide
110543	Hexane
302012	Hydrazine
7647010	Hydrochloric acid
7664393	Hydrogen fluoride (Hydrofluoric acid)
123319	Hydroquinone
78591	Isophorone
58899	Lindane (all isomers)
108316	Maleic anhydride
67561	Methanol
72435	Methoxychlor
74839	Methyl bromide (Bromomethane)
74873	Methyl chloride (Chloromethane)
71556	Methyl chloroform (1,1,1-Trichloroethane)
60344	Methyl hydrazine
74884	Methyl iodide (Iodomethane)
108101	Methyl isobutyl ketone (Hexone)
624839	Methyl isocyanate
80626	Methyl methacrylate
1634044	Methyl tert butyl ether
101144	4,4-Methylene bis(2-chloroaniline)
75092	Methylene chloride (Dichloromethane)

CAS No.	Chemical name
101688	Methylene diphenyl diisocyanate (MDI)
101779	4,4'-Methylenedianiline
91203	Naphthalene
98953	Nitrobenzene
92933	4-Nitrobiphenyl
100027	4-Nitrophenol
79469	2-Nitropropane
684935	N-Nitroso-N-methylurea
62759	N-Nitrosodimethylamine
59892	N-Nitrosomorpholine
56382	Parathion
82688	Pentachloronitrobenzene (Quintobenzene)
87865	Pentachlorophenol
108952	Phenol
106503	p-Phenylenediamine
75445	Phosgene
7803512	Phosphine
7723140	Phosphorus
85449	Phthalic anhydride
1336363	Polychlorinated biphenyls (Aroclors)
1120714	1,3-Propane sultone
57578	beta-Propiolactone
123386	Propionaldehyde
114261	Propoxur (Baygon)
78875	Propylene dichloride (1,2-Dichloropropane)
75569	Propylene oxide
75558	1,2-Propylenimine(2-Methyl aziridine)
91225	Quinoline
106514	Quinone
100425	Styrene
96093	Styrene oxide
1746016	2,3,7,8-Tetrachlorodibenzo-p-dioxin
79345	1,1,2,2-Tetrachloroethane
127184	Tetrachloroethylene (Perchloroethylene)
7550450	Titanium tetrachloride
108883	Toluene
95807	2,4-Toluene diamine
584849	2,4-Toluene diisocyanate
95534	o-Toluidine
8001352	Toxaphene (chlorinated camphene)
120821	1,2,4-Trichlorobenzene
79005	1,1,2-Trichloroethane
79016	Trichloroethyleneprocessing
95954	2,4,5-Trichlorophenol
88062	2,4,6-Trichlorophenol
121448	Triethylamine
1582098	Trifluralin
540841	2,2,4-Trimethylpentane
108054	Vinyl acetate
593602	Vinyl bromide
75014	Vinyl chloride
75354	Vinylidene chloride (1,1-Dichloroethylene)
1330207	Xylenes (isomers and mixture)
95476	o-Xylenes
108383	m-Xylenes
106423	p-Xylenes

Chemical name
Antimony Compounds
Arsenic Compounds (inorganic including arsine)
Beryllium Compounds
Cadmium Compounds
Chromium Compounds
Cobalt Compounds
Coke Oven Emissions
Cyanide Compounds[1]
Glycol ethers[2]
Lead Compounds
Manganese Compounds
Mercury Compounds
Fine mineral fibers[3]
Nickel Compounds
Polycylic Organic Matter[4]
Radionuclides (including radon)[5]
Selenium Compounds

For all listings above which contain the word "compounds" and for glycol ethers, unless otherwise specified, these listings are defined as including any unique chemical substance that contains the named chemical as part of that chemical's infrastructure.

[1] X'CN where X = H' or any other group where a formal dissociation may occur. For example KCN or Ca(CN)2.

[2] Includes mono- and di- ethers of ethylene glycol, diethylene glycol and triethylene glycol R(OCH2CH2)n-OR' where:

n = 1, 2 or 3

R = alkyl C7 or less, or phenyl or alkyl substituted phenyl

R' = H, or alkyl C7 or less, or carboxylic acid ester, sulfate, phosphate, nitrate, or sulfonate.

[3] Includes mineral fiber emissions from facilities manufacturing or glass, rock or slag fibers or other mineral derived fibers of average diameter one (1) micrometer or less.

[4] Includes organic compounds with more than one (1) benzene ring and which have a boiling point greater than or equal to 100°C.

[5] A type of atom which spontaneously undergoes radioactive decay

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Rule 316 Dust Control Plan

Documents may be submitted in person at:
3800 North Central Ave, Suite 1400, Phoenix, AZ 85012 or 501 North 44th St. Suite 200, Phoenix, AZ 85008.

Important: Please note that email will be our primary means for routine communication with you, unless you do not have an email account. Please be sure that your email address is entered correctly.

Reserved for Control Officer			
Reviewed by:		Rev #	

Section 1 – Basic Information

1(a) Facility information:

Non-Title V Permit Number: _____ Submittal Date: _____

Facility Name: Main East Aggregate Mine

Mailing Address: P.O.BOX 759 City: BUCKEYE State: AZ Zip: 85326

Facility location: 8436 E. APACHE TRAIL City: MESA State: AZ Zip: 85044

1(b) Person responsible for submitting the Dust Control Plan:

Printed name: LUIS LOPEZ Title: SAFETY & COMPLANCE

Signature: Luis Lopez

Address: P.O.BOX 759 City: BUCKEYE State: AZ Zip: 85326

Phone Numbers Office: (623)-386-8777 Cell: (602) 723-0158 Fax: (623) 386-7355

1(c) Name(s) of person(s) responsible for the implementation of the Dust Control Plan:

Name: SAM SCHIPPERS Title: VICE PRESIDENT

Phone Numbers Office: (623)386-8777 Cell: (602)723-0153 Fax: (623)386-7355

1(d) Fugitive dust control technician (§309):

☒ Yes ☐ No Does this facility have a rated or permitted capacity of 25 tons or more per hour?

☒ Yes ☐ No Does this facility have five or more acres of disturbed surface?

If the answer to one or both of the questions above was Yes, then a fugitive dust control technician is required and the remainder of this section must be completed.

List names of all certified dust control technicians at the facility

LUIS LOPEZ SAM SCHIPPERS Add Row Delete Row

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Initial to Indicate Requirement Met	Qualifications
LL	Be authorized by the owner and/or operator of the facility to have full authority to ensure that fugitive dust control measures are implemented on-site and to conduct routine inspections, record keeping, and reporting
LL	Be trained in accordance with the Comprehensive Dust Control Training Class and have a valid dust training certification identification card readily accessible on-site while acting as a Fugitive Dust Control Technician
LL	Be authorized to install, maintain and use fugitive dust control measures, deploy resources, and shutdown or modify equipment or operations as needed
LL	Be on-site at all times during primary dust-generating operations related to the purposes for which the permit was obtained
LL	Be certified to determine visible emissions in accordance with the provisions of the EPA Method 9 as specified in 40 CFR, Part 60, Appendix A
LL	Ensure that the site superintendent or on-site representative, and water truck and water pull drivers have attended appropriate Dust Control Training class

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Section 2 - Dust Control Plan

This plan is to be used by the facility to indicate which fugitive dust control measures (or combination thereof) are to be applied to all actual and potential fugitive dust sources before, during and after any dust-generating operations. Fugitive dust control measures shall be implemented to comply with Rule 316 emissions limitation and stabilization standards. If revisions to an approved dust control plan are needed, please resubmit the full dust control plan.

SECTION 2 INSTRUCTIONS: Check P if a Primary Control Measure and C if a Contingency Control Measure. At least one Primary AND at least one Contingency Control measure must be checked unless otherwise indicated. If the Primary Control Measure is water application, the Contingency cannot be water application. If Control Measures do not apply, explain why. Note: Ceasing operations does not relieve obligation to comply with control measures or defend failure to apply them.

2(a)-2(d) Open Storage Piles and Material Handling (§307.1)

2(a) Prior to and/or while conducting loading, unloading, and excavating operations (§307.1a)

Indicate at least one Primary and one Contingency Measure

- [■] P [ ] C Spray material with water, as necessary
- [ ] P [ ] C Spray material with a dust suppressant other than water, as necessary (List supplements at end of plan)
- [ ] P [■] C Cease operations until emission and stability standards are met
- [ ] P [ ] C Other (not listed) measures taken so that the standards are met (Must be approved by Control Officer)

or, explain why this control measure is not applicable:

2(b) When not conducting stacking, loading, unloading, and/or excavating operations (§307.1b)

Indicate at least one Primary and one Contingency Measure

- [■] P [ ] C Spray material with water, as necessary
- [ ] P [■] C Maintain a 1.5% or more soil moisture content of the open storage pile(s)
- [ ] P [ ] C Locate open storage pile(s) in a pit/in the bottom of a pit
- [ ] P [ ] C Arrange open storage pile(s) such that storage pile(s) of larger diameter products are on the perimeter
- [ ] P [ ] C Construct and maintain wind barriers, storage silos, or a three sided enclosure
- [ ] P [ ] C Cover open storage piles with tarps, plastic, or other material
- [ ] P [ ] C Maintain a visible crust
- [ ] P [ ] C Other (not listed) measures taken so that the standards are met (Must be approved by Control Officer)

or, explain why this control measure is not applicable:

2(c) When installing new open storage pile(s) (§307.1c)

- [■] P (Required) Install the open storage pile(s) 25 feet or more from the property line
- [■] P (Required) Limit the height of the open storage pile(s) to less than 45 feet
- [ ] P [ ] C Other (not listed) measures taken so that the standards in Rule 316 and 310 are met (Must be approved by Control Officer)

or, demonstrate that there is not adequate space to install the open storage pile(s) 25 feet or more from the property line:

or, explain why this control measure is not applicable:

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2(d) Open storage pile(s) over 8 feet high that will not be covered (§307.1d)

Indicate at least one Primary and one Contingency Measure

- [■] P [ ] C Install, use, and maintain a water truck
- [ ] P [■] C Other method that is capable of completely wetting the surfaces of open storage pile(s) (Indicate below)
  - [■] Sprinkler [ ] Irrigation Other:
- [ ] P [ ] C Other (not listed) measures taken so that the standards are met (Must be approved by Control Officer)

or, explain why this control measure is not applicable:

2(e) Unpaved parking lots, staging areas, and areas where support equipment & vehicles operate (§307.2)

Does not include permanent or non-permanent roadways

Indicate at least one Primary and one Contingency Measure

- [■] P [ ] C Apply and maintain water
- [ ] P [■] C Apply and maintain a dust suppressant, other than water (List suppressants at end of plan)
- [ ] P [ ] C Apply and maintain a layer of washed gravel at least 6 inches deep
- [ ] P [ ] C Other (not listed) measures taken so that the standards are met (Must be approved by Control Officer)

or, explain why this control measure is not applicable:

2(f) Haul/access roads that are not in permanent areas of a facility (§307.3)

If the facility meets the definition of a new facility complete both 2(f)(1) & 2(f)(2). Otherwise, complete 2(f)(1) and skip 2(f)(2).

A New Facility is defined (§243) as: A facility that commenced nonmetallic mineral processing or any related operations on or after June 8, 2005. A facility that commenced nonmetallic mineral processing or any related operations before June 8, 2005 does not become a new facility due to the addition of new equipment, processes, or operations.

[■] Yes [ ] No Does this facility meet the definition of a New Facility?

2(f)(1) Haul/access roads that are not in permanent areas of a facility (§307.3a)

Indicate at least one Primary and one Contingency Measure

- [ ] P [ ] C Install and maintain bumps, humps, or dips for speed control and apply water
- [■] P [ ] C Limit vehicle speeds and apply water, as necessary
- [ ] P [ ] C Install and maintain a paved surface
- [ ] P [ ] C Apply and maintain a layer of washed gravel at least 6 inches deep
- [ ] P [■] C Apply a dust suppressant, other than water
- [ ] P [ ] C Install and maintain a cohesive hard surface

or, explain why this control measure is not applicable:

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2(f)(2) If the site meets the definition of a new facility, answer the following (§307.3b) [Select Yes to no more than one choice]

- [x] Yes [ ] No Measures listed in Section 2(f)(1), above, will be implemented
- [ ] Yes [ ] No If it is determined that none of the fugitive dust control measures described in 2(f)(1) can be technically and feasibly implemented (as determined & approved in writing by the Control Officer and the Administrator of the Environmental Protection Agency [EPA]), then all haul/access roads associated with the facility shall maintain a distance of 25 feet or more from the property line. (Must be approved by the Control Officer and the Administrator.)
- [ ] Yes [ ] No Other (not listed) measures taken so that the standards are met (Must be approved by Control Officer)

or, explain why this control measure is not applicable: _____

2(g) On-site traffic (§307.4)

Indicate Primary and Contingency Measures

- [x] P (Required) Batch and delivery trucks remain on internal roads with paved surfaces or cohesive hard surfaces in the permanent areas of the facility/operation
- [x] P (Required) Aggregate trucks remain on paved surfaces or cohesive hard surfaces, except when driving on roads leading to and from aggregate loading areas/loading operations
- [x] P (Required) All batch trucks and delivery trucks exit the facility/operation through exits that comply with TOCD requirements in §307.6
- [x] P (Required) Pave or install a cohesive hard surface on permanent areas of a facility on which vehicles drive
  - [x] C Cease operations until emission and stability standards are met
- [ ] P [ ] C Other (not listed) measures taken so that the standards are met (Must be approved by Control Officer)

or, explain why this control measure is not applicable: _____

Indicate the types of cohesive hard surface to be applied in permanent areas of a facility on which vehicles drive (§215)

- [ ] Pavement (asphalt, concrete, or chip seal)
- [ ] Recycled asphalt mixed with a binder
- [ ] Continuous gravel cover which is at least 6 inches deep to which water is applied during the workday
- [x] Dust suppressant other than water which produces or creates a mass in which the soil particles are stuck together
- [ ] Another material which creates a roadway surface such that visible emissions are not produced by wind or vehicles

Description of the material to be applied: Chem-Loc 215 Dust control Agent

Application method and frequency: As Needed

Maintenance requirements: None

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2(h) Hauling and/or Transporting Bulk Material (§307.5)

2(h)(1) Hauling and/or transporting bulk material off-site (§307.5a)

Indicate Primary and Contingency Measures

- [■] P (Required) Load all haul trucks such that the freeboard is not less than three inches
- [■] P (Required) Prevent spillage or loss of bulk material from holes or other openings in the cargo compartment's floor, sides, and/or tailgate(s)
- [■] P (Required) Cover haul trucks with a tarp or other suitable closure
- [■] C Cease operations until emission and stability standards are met
- [ ] P [ ] C Other (not listed) measures taken so that the standards are met (Must be approved by Control Officer)

or, explain why this control measure is not applicable: _____

2(h)(2) Hauling and/or transporting bulk material within the boundaries of the facility (§307.5b)

Indicate Primary and Contingency Measures

- [■] P [ ] C Limit vehicle speed to 15 miles per hour or less
- [ ] P [ ] C Apply water to the top of the load
- [ ] P [■] C Cover haul trucks with a tarp or other suitable closure
- [ ] P [ ] C Other (not listed) measures taken so that the standards are met (Must be approved by Control Officer)

or, explain why this control measure is not applicable: _____

2(h)(3) Hauling and/or transporting bulk material within the boundaries of the facility and crossing or accessing an area accessible to the public (§307.5c)

Indicate Primary and Contingency Measures

- [■] P (Required) Load all haul trucks such that the freeboard is not less than three inches
- [■] P (Required) Prevent spillage or loss of bulk material from holes or other openings in the cargo compartment's floor, sides, and/or tailgate(s)
- [■] P (Required) Cover haul trucks with a tarp or other suitable closure
- [■] C Cease operations until emission and stability standards are met
- [ ] P [ ] C Other (not listed) measures taken so that the standards are met (Must be approved by Control Officer)

or, explain why this control measure is not applicable: _____

2(i)-2(l) Trackout

2(i) Track out control device (§307.6):

- [ ] Yes [■] No Is the only possible dust release from the facility generated from a process that is otherwise vented or controlled through an approved emission control system?
- [ ] Yes [■] No Do 60 or more trucks exit this facility on any day?

If Yes, complete 2(i)(1) and 2(j). If No, complete 2(i)(2) and 2(j).

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2(i)(2) Facilities that are not permanent and facilities with fewer than 60 trucks exiting each day

Indicate at least one Primary and one Contingency Measure

☒ P ☐ C Install and maintain (check one item in each column)(§307.6b):

√ EXIT	AND	√ DEVICE
☒ Pave		☒ Rumble Grate
☐ Stabilized Gravel Pad		☐ Wheel Washer
		☐ Truck Washer

☐ ☒ C Cease operations until trackout standards (§307.6d) are met

☐ P ☐ C Other (not listed) measures taken so that the standards are met (Must be approved by Control Officer)

Note: If a wash device is selected, use the Truck Washer/Wheel Washer Maintenance Checklist (page #15) to keep records showing that the wash device is operated and maintained in accordance with Rule 316.

2(j) Indicate which wheel wash exemption, if any, below (Check only one) (§307.6c)

Exempt?

☐ No Not claiming a wheel wash exemption

☐ Yes Facility has all paved internal roads and meters aggregate or related materials directly to a ready-mix or hot mix asphalt truck

☐ Yes A facility is less than five acres in land size and handles recycled asphalt and recycled concrete exclusively

☐ Yes A facility has a minimum of ¼ mile paved internal roads leading from a rumble grate to the facility exits

☐ Yes A facility meets the definition of infrequent operations, as defined in Rule 316 Section 238

2(k) Cleaning trackout (§307.6d)

Indicate Required Measures

☒ P (Required) Clean trackout immediately when it extends 25 cumulative linear feet or more

☒ P (Required) Clean all trackout at the end of the workday

Indicate at least one Primary and one Contingency Measure

☒ P ☐ C Manually sweep

☐ P ☒ C Street sweeper

☐ P ☐ C Other (not listed) measures taken so that the standards are met (Must be approved by Control Officer)

or, explain why this control measure is not applicable:

2(l) Cleaning paved roads (§307.6e)

Indicate at least one Primary Measure

☒ P (Required) Facilities with a minimum 60 trucks: Sweep the paved roads with a street sweeper by the end of each production work shift, if there is 12 or more feet of bulk material present (§307.6e(1))

☒ P (Required) Facilities with less than 60 trucks: Sweep the paved roads with a street sweeper by the end of every other work day if there are 12 or more feet of bulk material present (§307.6e(2))

☐ P Other (not listed) measures taken so that the standards are met (Must be approved by Control Officer)

or, explain why this control measure is not applicable:

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2(m) Spillage (§307.6f)

Indicate Primary and Contingency Measures

- [■] P [ ] C Maintain all spillage in a stabilized condition with dust suppressants until removed
- [ ] P [■] C Clean up all spillage at the end of the workday
- [ ] P [ ] C Other (not listed) measures taken so that the standards are met (Must be approved by Control Officer)

or, explain why this control measure is not applicable: _____

2(n) Weed Abatement (§307.7)

[ ] Yes [ ] No Will there be any weed abatement operations associated with this permit? (If No, go to 2(o). If Yes, continue below.)

2(n)(1) Before and during weed abatement

Indicate at least one Primary and one Contingency Measure

- [■] P (Required) Pre-water site
- [■] P (Required) Apply water (or water in combination with dust suppressant(s)) before and during operation
- [■] C Cease operations
- [ ] P [ ] C Other (not listed) measures taken so that the standards are met (Must be approved by Control Officer)

or, explain why this control measure is not applicable: _____

2(n)(2) Stabilization after weed abatement

Indicate at least one Primary and one Contingency Measure

- [ ] P [ ] C Pave
- [ ] P [■] C Apply gravel
- [■] P [ ] C Apply water
- [ ] P [ ] C Apply a suitable dust suppressant other than water
- [ ] P [ ] C Establish vegetative ground cover
- [ ] P [ ] C Other (not listed) measures taken so that the standards are met (Must be approved by Control Officer)

or, explain why this control measure is not applicable: _____

2(o) Demolition (owner operator is responsible for any NESHAP requirements) (§307.8)

Demolition activities are the wrecking and/or removal of any supporting structural member of a facility and any related handling operations. They include activities such as removal of walls, stucco, concrete, freestanding structures, buildings, load-bearing walls, and transite pipes.

[ ] Yes [■] No Are demolition operations associated with this permit? (If No, go to 2(p). If Yes, continue below.)

2(p) Blasting (§307.9)

[■] Yes [ ] No Are any blasting operations associated with this permit? (If No, go to 2(q). If Yes, continue below.)

Indicate at least one Primary and one Contingency Measure

- [■] P (Required) Pre-water AND maintain surface soils in a stabilized condition where support equipment and vehicles will operate

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☐ P ☐ C Other (not listed) measures taken so that the standards are met (Must be approved by Control Officer)

or, explain why this control measure is not applicable: _____

2(q) Other Dust-Generating Operations (§307.10)

2(q)(1) Before disturbed surface areas are created

Indicate Primary and Contingency Measures

☒ P ☐ C Pre-water site to depth of cuts allowing time for penetration
☐ P ☒ C Phase work to reduce the amount of disturbed area at any one time
☐ P ☐ C Other (not listed) measures taken so that the standards are met (Must be approved by Control Officer)

or, explain why this control measure is not applicable: _____

2(q)(2) While disturbed surface areas are being created

Indicate Primary and Contingency Measures

☒ P ☐ C Apply water or other suitable dust suppressant to keep the soil visibly moist
☐ P ☒ C Apply water to maintain soil moisture at a minimum content of 12% (ASTM D2216-05)
☐ P ☐ C Apply water or other suitable dust suppressant and construct wind barriers
☐ P ☐ C Other (not listed) measures taken so that the standards are met (Must be approved by Control Officer)

or, explain why this control measure is not applicable: _____

2(q)(3) When a dust-generating operation is finished for a period of 30 days or longer, the following controls will be implemented within 10 days after nonmetallic mineral processing and related operations and any other dust-generating operations are finished

Indicate Primary and Contingency Measures

☒ P ☐ C Pave, apply gravel, or apply a suitable dust suppressant other than water
☐ P ☐ C Establish vegetative ground cover
☐ P ☒ C Pave, apply gravel, or apply a suitable dust suppressant other than water, or establish vegetative ground cover AND restrict vehicle access to the area
☐ P ☐ C Restore area to undisturbed native conditions
☐ P ☐ C Other (not listed) measures taken so that the standards are met (Must be approved by Control Officer)

or, explain why this control measure is not applicable: _____

2(r) Night-Time Operations (§307.11)

☐ Yes ☒ No Does this facility operate at night? (If No, go to 2(s). If Yes, continue below.)

2(s) Crushing and/or Screening (§301)

☒ Yes ☐ No Are crushing and/or screening operations associated with this permit? (If No, go to 2(t). If Yes, continue below.)
☐ Yes ☒ No Does the crushing and/or screening operation have a wet plant?

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Required Primary Measures

Select one of the following primary control measures.

☒ P Enclose sides of all shaker screens, and permanently mount watering systems on the points listed below to continuously maintain 4% minimum moisture content (excluding wet plants) :
(1) At every location of fugitive dust emissions, including the inlet and outlet of all crushers;
(2) Outlet of all shaker screens;
(3) Outlet of all material transfer points, excluding transfer points located within a surge tunnel; and
(4) At the exit of each surge tunnel, unless watering systems are permanently mounted at all transfer points within the surge tunnel

☐ P Enclose sides of all shaker screens, and enclose and exhaust the regulated process to a properly sized fabric filter baghouse

Other Control Measures

☐ P ☐ C Other (not listed) measures taken so that the standards are met (Must be approved by Control Officer)

Note: If watering systems are required, use the Watering System Maintenance Checklist (page #16) to keep records showing that the watering system is operated and maintained in accordance with Rule 316.

2(t) Asphaltic Concrete Plants (§302)

☐ Yes ☒ No Are Asphaltic Concrete Operations associated with this permit? (If No, go to 2(u). If Yes, continue below.)

2(u) Material Storage & Silo Loading Operations, Concrete Plants, and Bagging Operations (§303)

☐ Yes ☒ No Are material storage and silo loading operations, concrete plants, and/or bagging operations associated with this permit? (If No, go to 2(v). If Yes, continue below)

2(v)-2(w) Soil Moisture Testing (§312)

2(v) Soil Moisture Testing

This basic moisture testing protocol may be revised through the submittal and approval of alternative demonstrations or justifications.
Note: The results of all moisture tests must be recorded to the nearest tenth of a percent.

2(v)(1) Soil Moisture Testing Exemptions

☒ Yes ☐ No Does the facility conduct crushing and/or screening operations containing any aggregate material less than 0.25 inches in diameter? (§312.1)

If No, go to 2(x). If Yes, continue below.

☐ Yes ☒ No Is the crusher and/or screen plant equipped with, and the entire process enclosed and vented to, a fabric filter baghouse, electrostatic precipitator, or wet scrubber (excluding wet spray bars) for control of particulate matter? (§312.4)

If Yes, go to 2(x). If No, continue below.

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2(v)(2) Soil Moisture Testing Methods

Please check which method the facility is using for soil moisture testing

☐ ASTM C 566-97 (2004) ☐ Speedy Moisture Meter

If using the Speedy Moisture Meter, please indicate if requirement has been met, and attach required documents

- ☒ Yes ☐ No Description of product (Attach product specification sheets)
- ☐ Yes ☒ No Correlated results from both the ASTM C 566-97 (2004) and Speedy Moisture Meter for 20 Samples
- ☒ Yes ☐ No Description of the calibration process
- ☐ Yes ☒ No Agreement to calibrate the Speedy Moisture Meter on a bi-weekly basis
- ☒ Yes ☐ No Identification of at least 3 sampling points per process line used for calibration (3 each: beginning, middle, and end of process)
- ☐ Yes ☒ No Agreement to revert back to ASTM C 566-97 (2004) if Speedy Moisture Meter results do not correlate with ASTM C 566-97 (2004)

2(v)(3) Soil Moisture Testing Frequency

- ☒ Yes ☐ No Does this facility require a certified Dust Technician? (See question 1d.)
- ☐ Yes (Required) Soil moisture samples will be collected within one hour after startup. (§312.2c)
- ☒ Yes (Required for facilities that require a certified Dust Technician)
  Soil moisture samples will be collected at 3 PM or within one hour before shutdown (§312.2d)
- ☐ Yes (Required for facilities that require a certified Dust Technician on days when crushing and screening operations continue for more than 16 hours)
  Soil moisture samples will be collected at least once in every 8-hour period (§312.2d)

2(v)(4) Soil Moisture Testing Attachments

Please attach the following:

A. Process diagram identifying progression of material containing product less than 0.25 inches diameter through the process:

1. Identify all screen outlets of material containing product < 0.25 inches in diameter
2. Identify all crusher outlets of material containing product < 0.25 inches in diameter
3. Identify all stacker points of material containing product < 0.25 inches in diameter
4. Identify all sample points for soil moisture tests
3. Identify the applicable minimum soil moisture content for each sample point

B. Provide an explanation or justification for each sampling point that a sample cannot be taken from.

2(w) Alternative Soil Sampling Methods

☐ Yes ☒ No Is the facility requesting an alternative sampling method?

If No, go to 2(x). If Yes, continue below.

2(x) Dust suppressants

Attach product specification information for all products to be applied

Products to be applied	Method, frequency and intensity application		
Chem-Loc 215	As Needed	Add Another Row	Delete Row
Water	As Needed	Add Another Row	Delete Row

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Application equipment

Type	Quantity	Capacity	Serial Number		
Water Truck	1	3000 Gal		Add Another Row	Delete Row
Spray Bars	2	40 Gal/Min		Add Another Row	Delete Row

2(y) Map

A Dust Control Plan will not be approved unless a drawing is submitted. Attach a separate (8 ½" x 11") page with a drawing showing all of the following elements:

- Property boundaries and project site boundaries with linear dimensions
- Nearest public cross roads with streets names
- Identify staging areas, areas for stockpiles, haul roads, access roads, storage and parking areas, and permanent areas of site.
- Identify paved areas and cohesive hard surfaces.
- Exit locations, with type of track out control equipment and dimensions
- North arrow
- Acres to be disturbed

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Truck Washer or Wheel Washer Maintenance Checklist

Date	Time	Technician	System Pressure Limit = ____	Water Pump Operable?	Spray Nozzles Operable?	Comments
				☐ Yes ☐ No	☐ Yes ☐ No	
				☐ Yes ☐ No	☐ Yes ☐ No	
				☐ Yes ☐ No	☐ Yes ☐ No	
				☐ Yes ☐ No	☐ Yes ☐ No	
				☐ Yes ☐ No	☐ Yes ☐ No	
				☐ Yes ☐ No	☐ Yes ☐ No	
				☐ Yes ☐ No	☐ Yes ☐ No	
				☐ Yes ☐ No	☐ Yes ☐ No	
				☐ Yes ☐ No	☐ Yes ☐ No	
				☐ Yes ☐ No	☐ Yes ☐ No	
				☐ Yes ☐ No	☐ Yes ☐ No	
				☐ Yes ☐ No	☐ Yes ☐ No	
				☐ Yes ☐ No	☐ Yes ☐ No	
				☐ Yes ☐ No	☐ Yes ☐ No	
				☐ Yes ☐ No	☐ Yes ☐ No	
				☐ Yes ☐ No	☐ Yes ☐ No	
				☐ Yes ☐ No	☐ Yes ☐ No	
				☐ Yes ☐ No	☐ Yes ☐ No	
				☐ Yes ☐ No	☐ Yes ☐ No	
				☐ Yes ☐ No	☐ Yes ☐ No	
				☐ Yes ☐ No	☐ Yes ☐ No	

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Maintenance Checklist for Watering System

Date	Time	Technician	System Pressure Limit = ____	Spray Bars Functioning?	Spray Nozzles Condition/ Pattern	Comments/Corrective Actions
				☐ Yes ☐ No		
				☐ Yes ☐ No		
				☐ Yes ☐ No		
				☐ Yes ☐ No		
				☐ Yes ☐ No		
				☐ Yes ☐ No		
				☐ Yes ☐ No		
				☐ Yes ☐ No		
				☐ Yes ☐ No		
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				☐ Yes ☐ No		
				☐ Yes ☐ No		

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