





DATE: **May 25, 2023**

TO: Mark Bragg, PRCF Maintenance Superintendent
Craig Brisbois, Transportation Field Operations Superintendent
Harry Jones, Deputy Energy Resources Director
Trevor Howell, Energy Resources Gas Administrator
Dan Walker, Energy Resources Compliance Coordinator
Charles Gollihar, Gas System Supervisor
Jose Montez, Gas System Supervisor
Lisa Davis, Property Management Coordinator
David Standridge, Police Sergeant
Orlando Carvajal, Solid Waste Foreman
Rico Real, Water/Wastewater Field Supervisor
Rick Fifield, Cemetery Operations Coordinator
Tyler Dees, Parks Maintenance Supervisor
Brian Wood, Transportation Training and Safety Specialist

CC: Brandon Erno, PRCF Deputy Director
Scott Bouchie, Energy and Sustainability Director
Christopher Hassert, Water Resources Department Director
RJ Zeder, Transportation Department Director
Beth Huning, City Engineer
Andrea Moore, PRCF Department Director
Harold Rankin, Assistant Police Chief
Keith Korch, Energy Resources Compliance

THROUGH: Laura Hyneman, Deputy Director, Environmental Management & Sustainability 

THROUGH: Ryan Cavalier, Environmental Programs Supervisor 

FROM: Deb Ferraro, Environmental Programs Specialist 

SUBJECT: **Maricopa County New Block Dust Control Permit (effective May 28, 2023)**

The City of Mesa (City) obtains a Dust Control Block Permit from Maricopa County annually. The 2023-2024 permit number is F031787. This memo discusses the permit, affected departments, permit distribution, permit requirements, and training requirements.

A copy of the permit must be on-site and available for inspection whenever City crews or contractors are conducting a dust generating operation. In addition, City crews and contractors that conduct a dust generating operation covered by the permit must keep a daily written log recording the actual application or implementation of dust control measures, e.g., water application or street sweeping. The log must also note when no water or other dust control measures are used. These records must be kept for two years, must be available for immediate inspection, and a copy must be provided within 48 hours if requested by Maricopa County.

Permit Distribution and Placement

I will be sending laminated copies of the permit as issued by Maricopa County with a summary of the Dust Control Plan on the back. An electronic version is also attached to this Memo. Copies will be sent to the following individuals in the following quantities:

Name	Department / Division	Laminated Copies
Scott Bouchie	Energy Resources	1
Trevor Howell	Energy Resources	30
Lisa Davis	Real Estate Services	4
Rick Fifield	Parks (Cemetery)	2
Tyler Dees	Parks (Maintenance)	15
David Standridge	Police	2
Orlando Carvajal	Solid Waste	1
Craig Brisbois	Transportation	60
Brian Wood	Transportation	20
Rico Real	Water / Wastewater	15
Mark Bragg	PRCF	20

For those in the field: A laminated copy of the permit **MUST** be kept in the vehicles of supervisors and/or lead personnel who are responsible for insuring compliance with the dust control procedures, and who will be onsite while the dust generating operation is occurring. In addition, a laminated copy **MUST** be kept in any water truck or water pull used for the dust generating operation.

For those at stationary sites: A laminated copy must be posted in the office of the facility.

Also, a laminated **copy MUST be provided to any subcontractor** doing work for the City where the work involves a dust generation operation that is covered by this permit.

****Please contact me if you need additional copies****

Recordkeeping Forms

I have attached updated dust control log forms to be used to meet the recordkeeping requirements. Please make sure the updated form is sent to your field supervisors/leads for use during this permit term. The dust control log form was developed internally and was previously approved by all departments.

Training

Certain individuals specified in the County rules **MUST** be certified in basic dust control every three years. This training is only available in an online format through Maricopa County. Currently the County provides free training of up to 50 City employees per year, and the certification is valid for three years. **If you would like registration codes for FREE training, please let me know the names of the people who need to be trained.** Additionally, the County offers this training online for a cost of \$50 through <https://mcaqd.learningcart.com>. **Since we need to renew many Certifications, I will need the help of the training coordinators to register City employees into this required training.**

If you need any additional information, please contact me directly at x6970. Thank you.

Attachments

1. Copy of Permit with Dust Control Plan
2. Copy of Dust Control Log
3. Instructions – Using the Dust Control Log

**MARICOPA COUNTY
AIR QUALITY
DEPARTMENT**



**301 W Jefferson St, Suite 410
Phoenix, AZ 85003
602-506-6010**

Dust Control Permit

**ATTENTION: City Of Mesa
PO Box 1466
Mesa, AZ 85211**

**FACILITY ID: F031787
ISSUE DATE: 05/28/2023
EXPIRATION DATE: 05/29/2024**

PROJECT INFORMATION:

Project Acreage: N/A
Project Name: 2023 - 2024 Annual Block Permit
Project Type: Road Work
Project Start Date: 05/28/2023

SITE INFORMATION

Site Address 1: N/A
Parcel #: N/A

CONDITIONS:

1	A copy of the approved dust control plan and permit must be available on site.
2	The approved dust control plan, including the federally approved best available control measures must be implemented.
3	Alterations to dust-generating activities, control measures, or site layout shall result in the submission of an updated dust control plan.
4	Any haul truck carrying bulk material offsite shall be required to cover the load with a tarp or other suitable enclosure.
5	All Dust Control permits shall be reapplied for annually if the project has not been completed and over 0.1 acres of disturbed surface area remains. Permit reapplications shall be submitted no later than 14 days prior to the expiration date of the original permit.
6	Written dust control records shall be recorded on each day that dust-generating operations are conducted.
7	No activity shall discharge into the ambient air emissions in excess of 20% opacity.
8	Trackout greater than 25 cumulative feet in length shall be cleaned immediately. Trackout less than 25 feet in length shall be cleaned by the end of the work day.
9	All unpaved areas shall meet the stability requirements in Rule 310 Section 304.

ANY PERSON WHO VIOLATES ANY OF THESE CONDITIONS MAY BE SUBJECT TO CIVIL OR CRIMINAL PENALTIES PURSUANT TO ARIZONA REVISED STATUTES (A.R.S) 49-502 OR 49-514.

**COMPLETE PERMIT IS AVAILABLE ON SHAREPOINT: ENVIRONMENTAL
OR call Mesa Environmental Staff Hotline at 480-644-3599 for directions on how to access permit in the field**

Dust Control Plan - City Of Mesa Block Dust Control Permit (Permit F031787) REVISED 05-25-23

Type of Control	
Category A: Wind-Blown Dust	MAINTAIN A SOIL CRUST
Category B: Will Vehicles/Motorized Equipment be Operated On the following?	
B1 -Unpaved Staging Areas, Unpaved Parking Areas, and Unpaved Material Storage Areas	NO, ANY STAGING/PARKING AREA WILL USE EXISTING PAVED SURFACES
B2 -Unpaved access/haul roads	NO, ALL ACCESS IS VIA EXISTING PAVED SURFACES
Category C: Disturbed Surface Areas Stabilization	
C1 -Before Active Operations Occur	PRE-WATER SITE TO DEPTH OF CUTS, ALLOWING TIME FOR WATER TO PENETRATE (PRIMARY) PHASE WORK TO REDUCE AMOUNT OF DISTURBED SURFACE AT ANY ONE TIME (CONTINGENCY) CEASE OPERATIONS (CONTINGENCY)
C2 -During Active Operations	APPLY WATER TO KEEP SOIL VISIBLY MOIST (PRIMARY) CEASE OPERATIONS (CONTINGENCY)
C3 -During Any Inactive Period, of Any Length, 24/7/365	APPLY WATER (PRIMARY) ESTABLISH VEGETATIVE GROUND COVER (CONTINGENCY) MAINTAIN A SOIL CRUST OR RESTRICT ACCESS (CONTINGENCY)
C4 - Permanent Stabilization of Disturbed Areas	APPLY WATER TO MAINTAIN A SOIL CRUST & PREVENT ACCESS/TRESPASS (PRIMARY) ESTABLISH VEGETATIVE GROUND COVER (CONTINGENCY) RESTORE VEGETATION AND SOIL TO NATIVE CONDITIONS (CONTINGENCY) PAVE AT THE END OF PROJECT (CONTINGENCY)
Category D: Bulk Material Handling	
D1 -Hauling from the Site onto or Crossing Areas Accessible to the Public?	COVER HAUL TRUCKS, FREEBOARD 3" OR MORE FROM TOP, NO HIGH POINTS, PREVENT SPILLAGE (REQUIRED) APPLY WATER TO THE TOP OF LOAD (CONTINGENCY) CEASE OPERATIONS (CONTINGENCY)
D2 -Hauling Within the Boundaries of the Work Site (Not Crossing Areas Accessible to the Public)	APPLY WATER TO THE TOP OF LOAD (PRIMARY) LIMIT VEHICLE SPEED 15 MPH OR LESS (CONTINGENCY) COVER HAUL TRUCKS WITH A TARP OR OTHER ENCLOSURE (CONTINGENCY) CEASE OPERATIONS (CONTINGENCY)
D3 -Hauling Within the Boundaries of the Work Site (AND Crossing Areas Accessible to the Public)	COVER HAUL TRUCKS, FREEBOARD 3" OR MORE FROM TOP, NO MATERIAL HIGH POINTS, PREVENT SPILLAGE, INSTALL SUITABLE TRACKOUT CONTROL DEVICE (REQUIRED) CEASE OPERATIONS (CONTINGENCY)
D4 -Bulk Material Loading, Unloading, Stacking	APPLY WATER (PRIMARY) CEASE OPERATIONS (CONTINGENCY)
D5 -Open Storage Piles	APPLY WATER TO MAINTAIN VISIBLE SOIL CRUST (PRIMARY) COVER OPEN STORAGE PILES WITH TARPS, PLASTIC, OR OTHER MATERIAL (CONTINGENCY)
Category E: Trackout, Carry-out, Spillage, Erosion	
E1 -Trackout Control Device (2 or more disturbed acres or 100 CY hauled)	GRAVEL PAD, GRIZZLY OR RUMBLE GRATE, WHEEL WASH SYSTEM, or PAVED AREA (REQUIRED) CEASE OPERATIONS (CONTINGENCY)
E2 -Cleaning (immediately if 25 linear feet in public & at end of day)	MANUALLY SWEEP UP DEPOSITS (PRIMARY) OPERATE A STREET SWEEPER OR WET BROOM (CONTINGENCY)
Category F: Grading	NOT APPLICABLE
Category G: Underground Utilities, Excavation, Vertical Construction	
G1 - Underground Utilities Installed or Prepared and/or Any Excavation Done for Structures	YES
G2 - Vertical Structures to be Built on the Site	NO
Category H: Demolition Activities	NOT APPLICABLE
Category I: Weed Abatement by Discing or Blading	APPLY WATER (PRIMARY) ESTABLISH VEGETATIVE GROUND COVER (CONTINGENCY) CEASE OPERATIONS (CONTINGENCY)
Category J: Blasting Operations	NOT APPLICABLE
Category K: Water Supply and Application	
Texture of Soil Naturally Present	MODERATE, ALL OTHER SOIL TYPES
Texture of Soil to be Imported	NO SOIL TO BE IMPORTED
Water Sources	METERED HYDRANT (1 INCH)
Water Methods	HOSE (1 INCH), WATER TRUCK (2000 GALLONS)
Required Minimum Amount of Water by Project Phase	
C2- Disturbed Surfaces (During Active Operations)	0 - 2 Acres Daily Minimum Requirement 225 - 400 gallons
C3- Disturbed Surfaces (During Inactive Periods)	0 - 2 Acres Daily Minimum Requirement 225 - 400 gallons
G1- Underground Utilities / Structure Excavation	0 - 2 Acres Daily Minimum Requirement 300 - 600 gallons
I1- During Weed Abatement	0 - 2 Acres Daily Minimum Requirement 300 - 600 gallons
I2- Stabilization following Weed Abatement	0 - 2 Acres Daily Minimum Requirement 300 - 600 gallons

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OR call Mesa Environmental Staff Hotline at 480-644-3599 for directions on how to access permit in the field**

Block Dust Permit F031787 (**VALID 5/28/2023 THROUGH 5/29/2024**) & Permits F000053 (W Mesa), F000052 (E Mesa), F000054 (Center St)

Location	Date	Time	Action*	YOUR NAME
<input type="checkbox"/> Center Street <input type="checkbox"/> 6 th St / W Mesa <input type="checkbox"/> EMSC <input type="checkbox"/> Field Field Address: _____	____/____/____	____:____ AM / PM	<input type="checkbox"/> Applied water to _____ bunker at Service Center <input type="checkbox"/> Applied water to field operation / storage pile <input type="checkbox"/> Applied water to haul truck <input type="checkbox"/> Applied water to _____ <input type="checkbox"/> Covered material storage pile with tarp / stabilized <input type="checkbox"/> Haul truck freeboard maintained, tarp used <input type="checkbox"/> Refreshed trackout control (gravel pad, etc.) <input type="checkbox"/> Cleaned up trackout from field operation / front of bunker <input type="checkbox"/> Stabilized area after completion of work <input type="checkbox"/> STOPPED WORK TEMPORARILY (contingency) <input type="checkbox"/> Applied dust suppressant (contingency) <input type="checkbox"/> _____	_____
<input type="checkbox"/> Center Street <input type="checkbox"/> 6 th St / W Mesa <input type="checkbox"/> EMSC <input type="checkbox"/> Field Field Address: _____	____/____/____	____:____ AM / PM	<input type="checkbox"/> Applied water to _____ bunker at Service Center <input type="checkbox"/> Applied water to field operation / storage pile <input type="checkbox"/> Applied water to haul truck <input type="checkbox"/> Applied water to _____ <input type="checkbox"/> Covered material storage pile with tarp <input type="checkbox"/> Haul truck freeboard maintained, tarp used <input type="checkbox"/> Refreshed trackout control (gravel pad, etc.) <input type="checkbox"/> Cleaned up trackout from field operation / front of bunker <input type="checkbox"/> Stabilized area after completion of work <input type="checkbox"/> STOPPED WORK TEMPORARILY (contingency) <input type="checkbox"/> Applied dust suppressant (contingency) <input type="checkbox"/> _____	_____
<input type="checkbox"/> Center Street <input type="checkbox"/> 6 th St / W Mesa <input type="checkbox"/> EMSC <input type="checkbox"/> Field Field Address: _____	____/____/____	____:____ AM / PM	<input type="checkbox"/> Applied water to _____ bunker at Service Center <input type="checkbox"/> Applied water to field operation / storage pile <input type="checkbox"/> Applied water to haul truck <input type="checkbox"/> Applied water to _____ <input type="checkbox"/> Covered material storage pile with tarp <input type="checkbox"/> Haul truck freeboard maintained, tarp used <input type="checkbox"/> Refreshed trackout control (gravel pad, etc.) <input type="checkbox"/> Cleaned up trackout from field operation / front of bunker <input type="checkbox"/> Stabilized area after completion of work <input type="checkbox"/> STOPPED WORK TEMPORARILY (contingency) <input type="checkbox"/> Applied dust suppressant (contingency) <input type="checkbox"/> _____	_____

*If additional measures for Haul Roads are used, such as limiting vehicle access or applying gravel or crushed asphalt, please indicate in the blank space.

Block Dust Permit F031787 (**VALID 5/28/2023 THROUGH 5/29/2024**) & Permits F000053 (W Mesa), F000052 (E Mesa), F000054 (Center St)

This is a listing of the primary and contingency reasonably available control measures (RACMs) that are specified in the City’s Block Dust Control Permit issued by Maricopa County.* All persons conducting the activities below must implement these measures as needed to ensure dust emissions from their operations are controlled. Operations must be discontinued if dust emissions exceed 20% opacity.

Type of Work	Primary RACMs	Contingency RACMs
Grading, Excavating, Trenching, Backfilling	<ol style="list-style-type: none"> 1. Watering: Use of water trucks/pulls, misting, pre-wetting. 2. Clean empty cargo areas and/or cover haul trucks with a tarp or other enclosure. 3. Stabilize material piles. 	<ol style="list-style-type: none"> 1. Use wind fences/screens or tarps for storage piles. 2. Apply dust suppressants. 3. Increase frequency/intensity of watering during high wind conditions. 4. Cease work temporarily.
Unpaved Haul Roads or Equipment Paths	<ol style="list-style-type: none"> 1. Watering: water trucks/pulls. 2. Limit vehicle access/reduce vehicle speed (when traveling on unpaved surfaces). 3. Apply physical stabilization (i.e. gravel, recycled asphalt millings). 	<ol style="list-style-type: none"> 1. Apply dust suppressants. 2. Increase frequency/intensity of watering during high wind conditions. 3. Cease work temporarily.
Access Points	<ol style="list-style-type: none"> 1. Watering: water trucks/pulls, misting. 2. Apply physical stabilization (i.e. gravel, recycled asphalt millings). 3. Operate a street sweeper/vacuum/wet broom or manually sweep (on paved surfaces) any trackout: immediately where trackout is 25 cumulative feet or more; or by the end of the work day where trackout is less than 25 cumulative feet. 4. Install a gravel pad, grizzly (grating system), or other trackout control device at all project site access points. 	<ol style="list-style-type: none"> 1. Increase frequency/intensity of watering during high wind conditions. 2. Cease work temporarily.
Material Handling	<ol style="list-style-type: none"> 1. Watering: misting, pre-wetting. 2. Stabilize material piles. 	<ol style="list-style-type: none"> 1. Use wind fences/screens or tarps for storage piles. 2. Apply dust suppressants. 3. Increase frequency/intensity of watering during high wind conditions. 4. Cease work temporarily.
Hauling	<ol style="list-style-type: none"> 1. Maintain a “freeboard” of not less the three inches (3”) on haul trucks and ensure the highest point of bulk material in the haul trucks do not exceed the height of the sides and back of the haul truck cargo container’s area. 2. Maintain haul truck equipment to prevent spillage. 3. Clean empty cargo areas and/or cover haul trucks with a tarp or other enclosure. 4. Operate a street sweeper/vacuum/wet broom or manually sweep (on paved surfaces) any trackout: immediately where trackout is 25 cumulative feet or more; or by the end of the work day where trackout is less than 25 cumulative feet. 5. Install a gravel pad, grizzly (gating system), or other trackout control device at all project site access points. 	<ol style="list-style-type: none"> 1. Watering: misting. 2. Cease work temporarily.

* The City also has a Block Permit issued by Pinal County. These same control measures must be used in Pinal County..

Using the NEW Dust Control Log dated 5/25/23

This log form now applies to *any* dust generating operation:

- At a City location
- IN the field, which is covered by the Block Dust Control Permit

Directions to complete the form:

Column 1: Select the **Location** of the operation

- At Center Street
- At 6th Street Service Center (6th St. SC)
- At East Mesa Service Center (EMSC)
- Anywhere in the field – List address or project location

Column 2: Enter **date** of dust control action

Column 3: Enter **time** of dust control action

Column 4: Select **dust control action** (twelve [12] choices)

- The first check box is *only* applicable at the service centers: *Fill in which bunker you were using.*
- *Any of the remaining choices are applicable at any location.*
- Choices 4 and 12 also required manual completion

Column 5: Enter **Name** of person completing the form. *This is only so ESD can contact the employee if there is an inquiry from the regulatory agency. The employee will not be involved other than to provide additional information to ESD.*

Forms should be scanned and sent to Environ.Info@mesaaz.gov.