

# Air Quality Control District

## Non-Attainment Area Construction Dust Compliance Self Help Document



PINAL • COUNTY

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**P I N A L • C O U N T Y**  
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**PINAL COUNTY AIR QUALITY CONTROL DISTRICT**

**Nonattainment-Area Dust Permit Application Form**  
(As required by A.R.S. §49-480, and Chapter 4, Article 7, Pinal County Air Quality Control District Code of Regulations)  
PO Box 987, Florence, AZ 85132  
Phone (520) 866-6929 Fax (520) 866-6967

For Office Use Only

District #		Date Issued:	
Permit #		Approved By:	
Fee Paid/Acreage		Cross Streets	

**IS MY APPLICATION COMPLETE?**

- 1. **Dust control permit application form:** Completely answer all questions; fill in all blanks and check boxes as appropriate, in both the applicant and project information areas of the form.
- 2. **Is this permit a Revision and/or Permit Transfer?**  Yes  No If Yes a permit revision/transfer form must be attached.
- 3. **Is this permit a Block Utility permit?**  Yes  No If Yes attach a Block Utility Worksite Location Form.
- 4. **Is this site required to have a Dust Control Coordinator?**  Yes  No If Yes attach a Dust Control Coordinator List should there be more than one Dust Control Coordinator Assigned to the site.
- 4. **Will this site be requesting a Phased Closure Plan?**  Yes  No If Yes attach a Phased Closure Plan
- 5. **Dust Control Plan:** Chapter 4, Article 7 Section 4 (Dust Control Plan requirements) requires the submission of a Dust Control Plan with your application. Submit this application only after completely filling in every applicable section and sub-section; a primary and contingency control measure must be chosen for each applicable section.
- 6. **Plot Plan or Site Drawing:** Each application shall include a plot plan with linear dimensions in feet. The plot plan Must be on 8.5 X11 inch paper, and may be on one or more sheets. The plot plan should show:
  - a. Entire project site/facility boundaries
  - b. Acres to be disturbed with linear dimensions
  - c. Nearest public roads
  - d. North arrow
  - e. Planned exit location onto paved areas accessible to the public
  - f. Assessor's Parcel number(s)
  - g. Street Address (if available)
  - h. Parking Staging Locations
  - i. calculation of total area disturbed
  - j. Ensure that offsite work is covered (Roadway/Utility)
- 7. **Assessor's Parcel Information:** If your site is a multi-parcel site a complete and accurate listing of every parcel is required and shall be listed on an Assessor's parcel form which will need to be attached to this application.
- 8. **Fee Payment:** Have the appropriate fee ready when submitting the completed permit application. Fees can be paid with a check or money order when submitting the application in person or by mail.

**APPLICANT INFORMATION**

Applicant Information must be fully and accurately completed, including full legal names of entities and individuals (no DBA's or trade names).

**Section 1. Applicant**

Relationship to Property (Check all that apply):

- Property Owner     General/Prime Contractor     Sub-Contractor     Developer     Lessee

Type of Entity:

- Corporation     LLC Company or Partnership     Sole Proprietor     Individual     Government

Name:

Street Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Mobile: \_\_\_\_\_ Fax: \_\_\_\_\_

Email Address:

Local Mailing Address (if not the same as above)

**Section 2. Primary Project Contact**

Name: \_\_\_\_\_ Title: \_\_\_\_\_ Email: \_\_\_\_\_

Office Phone: \_\_\_\_\_ Mobile: \_\_\_\_\_ Fax: \_\_\_\_\_

**Section 3. Dust Control Coordinator**

- At least one Dust Control Coordinator is required to be on-site at all times during primary dust-generating operations for any site with five acres or more of disturbed surface area.
- List additional Dust Control Coordinators on a Dust Control Coordinator form and attach it to this application.

Name: \_\_\_\_\_ Title: \_\_\_\_\_ Company: \_\_\_\_\_

Dust Control ID Number: \_\_\_\_\_ Expiration Date: \_\_\_\_\_ Email Address: \_\_\_\_\_

Office Phone: \_\_\_\_\_ Mobile: \_\_\_\_\_ Fax: \_\_\_\_\_

**APPLICANT INFORMATION CONTINUED****Section 4. Property Owner/Developer**

Type of Entity:

 Corporation
  LLC Company or Partnership
  Sole Proprietor
  Individual
  Government

Name:		Email Address:		
Address:		City:	State:	Zip:
Phone:	Mobile:	Fax:		
Owner'(s)/Developer Contact Person:			Title:	
Contact Phone:	Contact Mobile:	Contact Fax:		

**PROJECT INFORMATION****Section 5. Name of Project**Project Name: \_\_\_\_\_ Is this a permit renewal?  Yes  No If Yes Provide Previous Permit #:

\*Permit renewals must be submitted at least 14 calendar days prior to the expiration of the original permit term. A rational system for the completion status of individual parcels within a project is required in order to cover non-contiguous parcels. (A complete and accurate assessor's parcel list is required).

**Section 6. Project Location (attach a Assessor's Parcel form for multiple parcel permits)**

Street Address:		City/Area:	<input type="checkbox"/> Unincorporated Area (County)		<input type="checkbox"/> Incorporated (City)
Nearest Cross Street North/South:			Nearest Cross Street East/West:		
County Assessor's Parcel Number(s):	Book:	Map:	Parcel:	*Additional Parcel Information:	
Community Number(s) Phase(s):	Coordinates:	Township:	Range:	Section:	

**Section 7. Project Scope/Acres of Disturbance (fill in all that apply)**

Residential Single-Family:	*Enter Acres to be Disturbed	Residential Multi-Unit:	*Enter Acres to be Disturbed
Commercial:	*Enter Acres to be Disturbed	Road Construction:	*Enter Acres to be Disturbed
Trenching:	*Enter Acres to be Disturbed	Demolition:	*Enter Acres to be Disturbed
Weed Control:	*Enter Acres to be Disturbed	Site Prep / Land Development:	*Enter Acres to be Disturbed
Temporary Storage Yard:	*Enter Acres to be Disturbed	Total Acre Calculation:	*Combined Total Acres Disturbed

**Section 8. Earthmoving/Disturbance Activity (check all that apply)**

<input type="checkbox"/> Land Stripping	<input type="checkbox"/> Trenching	<input type="checkbox"/> Grading	<input type="checkbox"/> Land Leveling	<input type="checkbox"/> Contouring the Earth	<input type="checkbox"/> Bulk Material Work
<input type="checkbox"/> Drilling	<input type="checkbox"/> Back filling	<input type="checkbox"/> Excavating	<input type="checkbox"/> Stockpiling	<input type="checkbox"/> Cutting/Filling	<input type="checkbox"/> Block Utility Work
<input type="checkbox"/> Grubbing	<input type="checkbox"/> Demolition	<input type="checkbox"/> Landscaping	<input type="checkbox"/> Blasting	<input type="checkbox"/> Weed Abatement	<input type="checkbox"/> Discing Blading
<input type="checkbox"/> Parking	<input type="checkbox"/> Vehicle Traffic	<input type="checkbox"/> Utility Work	<input type="checkbox"/> Paving	<input type="checkbox"/> Storage Area(s)	<input type="checkbox"/> Other:

**PERMIT ADMINISTRATION****Section 9. Attachments**

<input type="checkbox"/> Plot Plan	<input type="checkbox"/> Phased Closure Plan	<input type="checkbox"/> Additional Parcel Information Form	<input type="checkbox"/> Block Utility Worksite Location Form
<input type="checkbox"/> Dust Plan	<input type="checkbox"/> Dust Coordinator List	<input type="checkbox"/> Permit Revision Form	<input type="checkbox"/> Other:

**Section 10. Fee Payment Information**

Total Acres Disturbed:	Late Fee (if applicable):	Total Fee(s) Due:	Check/MO #:
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**Section 11. Permit Technician\* \*Person Completing Application**

Name:	Title:	Email Address:
Phone:	Mobile:	Fax:

**Section 12. Signature Affirmation**

By signing this application, the ("permittee") acknowledges obligations to, and liability for failure to: assure that any earthmoving activity on the site is covered by the permit, with respect to the site, comply with or cause compliance with objective standards of §4-7-226, comply with or cause compliance with obligatory work practice standards of §4-7-230, and comply with or cause compliance with commitments in the dust management plan submitted in support of the permit application. In addition your signature also affirms that you have the authority to commit the named permit applicant to comply with the aforementioned requirements.

Print Name:	Title:	Company:
Signature:	Date:	



PINAL COUNTY  
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# PINAL COUNTY AIR QUALITY CONTROL DISTRICT

(As required by A.R.S. §49-480, and Chapter 4, Article 7, Pinal County Air Quality Control District Code of Regulations)

## Non-Attainment-Area Dust Control Plan Form

PO Box 987, Florence, AZ 85132

Phone (520) 866-6929 Fax (520) 866-6967

### Instructions:

- Every applicable section/sub-section requires at least one Primary control measure and at least one Contingency control measure. A contingency control measure is the back-up or secondary action(s) that needs to be immediately implemented when the primary control measure(s) fails to adequately control dust emissions at the site.
- By checking off P in each respective area the site representative is electing this as a Primary control measure.
- By checking off C in each respective area the site representative is electing this as a Contingency control measure.
- Where  has been placed by a "P", the dust control measure **Cannot** be used as a primary control measure; this measure may only be considered a contingency control measure when selected.
- Where  has been placed by a "C", the dust control measure **Cannot** be used as a contingency control measure and is required to be used as a primary control measure whenever that section/sub-section applies to a project.

### Section 1 Obligatory Work Practice Standards Section:

#### 1. A Project Access Control.

All sites must choose and implement this control measure as a primary control measure.

- P C Define, clearly mark, and enforce ingress and egress points for traffic into and out of the site.

\*Ingress and egress points must be clearly indicated on the plot plan.

#### 1. B Dust Suppression for Inactive and Post-operation Areas and Roadways

Does/will your site have inactive and post-operation areas and roadways? Yes  No

If **Yes**, you must choose and implement at least One primary and One contingency control measures from the following control measures for all inactive and post-operation-areas and-roadways within the site:

- P C Restrict access\*  Access Restriction Plan Attached  
\*Must specify additional primary control measure(s), and attach a complete Access Restriction Plan

- P C Pave  Beginning of Project\*  During Project\*  End of Project\*  
\*Must specify additional control measure(s) that will be in place prior to paving

- P C Apply gravel

- P C Apply a suitable dust suppressant other than water\*  MSDS Sheet/s and Plan Attached  
\*Attach Copies of MSDS sheets, and plan in accordance with §4-7-238.4.i

- P C Apply water

- P C Establish a vegetative cover in accord with §4-7-226.D.

If **No**, explain why this category and its control measures are not applicable:

#### 1. C Bulk Material Stacking and Stockpiling Operations

Does/will your site have Bulk Material Stacking and Stockpiling Operations? Yes  No

If **Yes**, you must choose and implement at least One primary and One contingency control measures from the following control measures for all inactive and post-operation-areas and-roadways within the site:

- P C Spray material with water, as necessary, prior to stacking, loading and unloading and/or while stacking, loading and unloading

- P C Spray material with a dust suppressant other than water, as necessary, prior to stacking, loading, and unloading and/or while stacking, loading and unloading\*  MSDS Sheet/s and Plan Attached  
\*Attach Copies of MSDS sheets, and plan in accordance with §4-7-238.4.i

If **Yes**, you must choose and implement at least One primary and One contingency control measures from the following control measures when not conducting stacking, loading or unloading operations:

- P C Cover all open storage piles with a tarp, plastic, or other material to prevent wind from removing the covering(s)/such that the covering(s) will not be dislodged by the wind

- P C Apply water to maintain a soil moisture content at a minimum of 12%, as determined by ASTM Method D2216-05 or other equivalent methods approved by the Control Officer and the Administrator. For areas that have an optimum moisture content of less than 12% as determined by ASTM Method D1557-02e1 or other equivalent methods approved by the Control Officer and the Administrator maintain at least 70% of the optimum soil moisture content  
12% moisture slump issues

- P C Maintain a soil crust

- P C Implement at least One of the control measures above and construct and maintain wind barriers, storage silos, or a three-sided enclosure with walls, whose length is no less than equal to the length of the pile, whose distance from the pile is not more than twice the height of the pile, whose height is equal to the pile height, and whose porosity is no more than 50%\* \*Must specify additional primary control measure(s)

If **No**, continue to the next section

## Section 1 Obligatory Work Practice Standards Section Continued:

### 1. D Trackout Monitoring and Cleanup.

All sites must choose and implement all Three control measures below as primary control measures:

- P C Monitor trackout length at each egress point
- P C Immediately clean up any trackout onto a paved public roadway that exceeds 25' in length or exhibits a trackout pack-depth greater than 0.25".
- P C Remove all visible trackout at the close of each workday and/or each work shift

### 1. E Signage

Is your site Five acres or larger? Yes  No

If **Yes** you must elect to install signage since your site is Five acres or larger:

- P C Erect a project information sign at the **main entrance** that is visible to the public or at each end of the road construction site. The sign shall be a minimum of 24 inches tall by 30 inches wide, have a white background, and have the words "DUST CONTROL" shown in black block lettering which is at least four inches high, and shall contain the following information in legible fashion"
  1. Project Name
  2. Name and phone number of person(s) responsible for conducting project
  3. Text stating: "Dust Complaints? Call Pinal County Air Quality Control District at (520) 866-6929."

If **No**, continue to the next section.

### 1. F Training

Is your site One acre or larger Yes  No

If **Yes**, you must implement the following control measure as primary control measures:

- P C Site Superintendents and water truck/pull drivers must have completed a basic dust control training within the last three years

If **No**, continue

Is your site Five acres or larger? Yes  No

If **Yes**, you must implement Both of these control measures as primary control measures:

- P C Assure that at all times during earthmoving activity operations related to the purposes for which a Site Permit is required, have on-site at least one individual qualified under a Control-Officer-approved Dust Control Coordinator training program.
- P C Assure that the site superintendent or other designated on-site representative of the Site Permit holder, and any water truck or water pull driver maintaining surface stabilization shall have successfully completed a Control-Officer-approved Basic Dust Control Training Class.

If **No**, continue to the next section.

### 1. G Conformance with Project Access Control.

All sites must choose and implement this control measure as a primary control measure.

- P C Drivers, contractors, subcontractors, and material handlers shall utilize only the ingress and egress defined by the owner and/or Operator.

### 1. H Dust Suppression for Active Working Areas, Parking Areas and Roadways

All sites must choose and implement, at least One primary and One contingency control measure to manage dust from working areas, including disturbed areas affected by on-site parking, vehicular traffic, equipment traffic, material transport, or equipment transport and roadways:

- P C Apply water so that the surface is visibly moist
- P C Apply and maintain a suitable dust suppressant other than water  MSDS Sheet/s and Plan Attached  
\*Attach Copies of MSDS sheets, and plan in accordance with §4-7-238.4.i
- P C Limit speed to 15 mph and traffic to no more than 20 trips/day\*  Traffic Management Plan Attached  
\*Requires that you attach a traffic management plan
- P C Apply gravel, recycled asphalt or other suitable material
- P C Pave Beginning of Project\* During Project\* End of Project\*  
\*Must specify additional primary control measure(s) that will be in place prior to paving

### 1. I Dust Suppression During Bulk Excavation Operations

Does/will your site have bulk excavation operations? Yes  No

If **Yes** you must choose and implement Both of these as primary control measures:

- P C Pre-watering shall be applied before commencing earthmoving cut-operations
- P C Water shall be applied during activity as required to limit particulate emissions to avoid opacity limit violations.

If **No**, continue to the next section.

## Section 1 Obligatory Work Practice Standards Section Continued:

### 1. J Project-internal Load Stabilization

Does/will your site be hauling bulk excavated materials within your site, and not crossing a paved public road? **Yes**  **No**

If **Yes**, you must implement at least One primary and One contingency of the following control measures:

- P  C Limit speed to 15 miles per hour\*  
\*Must specify additional primary control measure(s)
- P  C Stabilize loads with water or a dust suppressant
- P  C Cover the load with a tarp or other suitable dust and wind impermeable material.

If **No**, continue to the next section

### 1. K Roadway-Crossing Load-Stabilization

Does/will your site be hauling bulk excavated materials across a paved public road? **Yes**  **No**

If **Yes**, the site must implement All of the following as primary control measures:

- P  C Load all haul trucks such that the freeboard is not less than three inches
- P  C Load all haul trucks such that at no time shall the highest point of the bulk material be higher than the sides, front, and back of a cargo container area
- P  C Prevent spillage or loss of bulk material from holes or other openings in the cargo compartment's floor, sides, and/or tailgate(s)
- P  C When crossing and/or accessing a paved area accessible to the public, install, maintain, and use a suitable trackout control device that controls and prevents trackout and/or removes particulate matter from tires and the exterior surfaces of haul trucks and/or motor vehicles that traverse the site

If **No**, continue to the next section

### 1. L Demolition; Emission Mitigation

Does/will your site be conducting demolition activities? **Yes**  **No**

If **Yes**, the site must implement Both of the following as primary control measures:

- P  C Apply water to demolition debris immediately following demolition activity
- P  C Apply water to all disturbed soil surfaces to establish a crust and to prevent wind erosion

If **No**, continue to the next section

### 1. M Weed Abatement; Emission Mitigation

Does/will your site be conducting weed abatement activity? **Yes**  **No**

If **Yes**, the site must implement all Three of the following as primary control measures:

- P  C Before weed abatement by discing or blading occurs, apply water
- P  C While weed abatement by discing or blading is occurring, apply water
- P  C After weed abatement by discing or blading occurs, pave, apply gravel, apply water, apply a suitable dust Suppressant other than water, or establish vegetative ground cover.

If **No**, explain why this category and its control measures are not applicable:

### 1. N Blasting; Emission Mitigation

Does/will your site be conducting blasting operations? **Yes**  **No**

If **Yes**, the site must implement Both of the following as primary control measures:

- P  C In wind gusts above 25 miles per hour, discontinue/cease blasting
- P  C Pre-water and maintain surface soils in a stabilized condition where support equipment and vehicles will operate.

If **No**, continue to the next section.

### 1. O Subcontractor Registration Verification

All sites must choose and implement this control measure as a primary control measure:

- P  C Assure that any subcontractor/s engaged in earthmoving activity on the site has registered with Pinal County Air Quality as a subcontractor.

## Section 2. Objective Standards:

### 2. A Opacity Limitations

You must acknowledge the opacity limitations that apply to fugitive dust emissions from the development activity at your site.

- \_\_\_\_\_  
Initial [0% Property Line Opacity Limitation] Subject to the exemptions below, the net opacity contribution from any Development Activity or disturbed area caused by Development Activity shall not violate a 0% opacity standard at the boundary of the parcel for more than 30 seconds in any continuous six-minute period.
- a. This limitation shall not apply to earthmoving operations conducted within 25 feet of a parcel boundary.
- b. For purposes of this property line opacity standard, opacity shall be determined based on a time-aggregation method.
- \_\_\_\_\_  
Initial [Continuous Plume Limitation] Opacity shall not exceed 20% opacity for any continuous plume, as assessed by a time-averaging method, based on observations every 15 seconds over a 3-minute span.
- \_\_\_\_\_  
Initial [Intermittent Plume Limitation] Opacity shall not exceed 20% opacity for any intermittent plume, as assessed by the average of a set of six paired observations, spaced by five seconds and conducted within a one-hour period.
- \_\_\_\_\_  
Initial [Wind Events] The opacity limitations of this rule shall apply to wind-driven emissions, provided that you may have an affirmative defense to any violation upon making a showing as provided in §4-7-222

### 2. B Trackout Control Measures

Does/will your site have Two or more acres of disturbed surface area, or will there be more than 100 cubic yards of bulk material shipped in or out of the site on any one day? Yes  No

If Yes, you must choose and implement at least One primary and One contingency from the following control measures:

- P C [Rumble strips - 25 foot length] For use of grizzlies or other similar device designed to remove dirt/mud from tires, the devices shall extend from the intersection with the public paved road surface for a distance of at least 25 feet, and cover the full width of the unpaved exit surface for at least 25 feet.
- P C [Gravel pads - 50 foot length] For use of gravel pads, coverage with gravel shall be at least one inch or larger in diameter and at least 3" deep, shall extend from the intersection with the public paved road surface for a distance of at least 50 feet, and cover the full width of the unpaved exit surface for at least 50 feet.\* \*Any gravel deposited onto a public paved road travel lane or shoulder will be removed at the end of the workday or immediately following the last vehicle using the gravel pad, or at least once every 24 hours, whichever occurs first.
- P C [Internal paving - 100 feet] For use of paving, paved surfaces shall extend from the intersection with the paved public road surface for a distance of at least 100 feet, and cover the full width of the unpaved access road for that distance to allow mud and dirt to drop off of vehicles before exiting the Site. Mud and dirt deposits accumulating on paved interior roads shall be removed with sufficient frequency, but not less frequently than once per workday, to prevent carryout and a paved public road.
- P C [Wheel wash system] At all exits onto paved areas accessible to the public, install a wheel wash system.
- P C [Alternative system] (visible trackout from such system shall not exceed 5' in length onto a paved public road)  
Describe proposed alternative system:

If No, continue to the next section.

### 2. C Active Area Stabilization Requirements

You must initial off acknowledging the active area stabilization requirements that apply to disturbed areas affected by on-site parking, vehicular traffic, equipment traffic, material transport, or equipment transport.

- \_\_\_\_\_  
Initial Every disturbed parking area and/or working area shall show compliance at all times with one of the following objective standards as assessed in accord with Article 9, §4-9-320.A:
- a. Silt loading shall not exceed 0.33 oz/ft<sup>2</sup>; or
- b. Silt content shall not exceed 8% for parking and working areas.
- \_\_\_\_\_  
Initial Every disturbed roadway area shall show compliance at all times with one of the following objective standards as assessed in accord with Article 9, §4-9-320.A:
- a. Silt loading shall not exceed 0.33 oz/ft<sup>2</sup>; or
- b. Silt content shall not exceed 6% for roads.
- \_\_\_\_\_  
Initial All disturbed areas other than parking areas, working areas or roadway areas affected under this Active Area Stabilization requirement shall be stabilized such that every disturbed area shows compliance at all times with the drop ball test of Article 9, §4-9-320.B.1.
- \_\_\_\_\_  
Initial [Maintenance Obligation] Maintain active area stabilization to meet the foregoing standards until the activity ceases and the affected area of the Site has been stabilized to meet post-operation stabilization standards of §4-7-226.D.

**Section 2. Objective Standards Continued:**

**2. D Stabilization Requirement for Inactive and Post-operation Areas**

You must initial off acknowledging the stabilization requirements that apply for any disturbed surface area/s\* on which no activity is occurring. \*Each distinguishable surface area at the site shall meet at least One of the standards described below. There may be several areas of the Site which exhibit visibly distinguishable surface characteristics. Each area shall be separately assessed for stability due to this multiple testing options may be appropriate.

- \_\_\_\_\_ [Drop Ball Test] Maintain stabilization or a soil crust adequate to pass the drop ball test.  
Initial
- \_\_\_\_\_ [Maintain 100 cm/sec. threshold friction velocity] Maintain a threshold friction velocity (TFV) for disturbed surface areas corrected for non-erodible elements of 100 cm/second or higher.  
Initial
- \_\_\_\_\_ [Maintain 50% flat vegetative cover] Maintain a flat vegetative cover (i.e., attached (rooted) vegetation or unattached vegetative debris lying on the surface with a predominant horizontal orientation that is not subject to movement by wind) that is equal to at least 50%.  
Initial
- \_\_\_\_\_ [Maintain 30% standing vegetative cover] Maintain a standing vegetative cover (i.e., vegetation that is attached (rooted) with a predominant vertical orientation) that is equal to or greater than 30%.  
Initial
- \_\_\_\_\_ [Maintain 10% standing vegetative cover and 43 cm/sec. TFV] Maintain a standing vegetative cover and a TFV (i.e., vegetation that is attached (rooted) with a predominant vertical orientation) that is equal to or greater than 10% and where the threshold friction velocity is equal to or greater than 43 cm/second when corrected for non-erodible elements.  
Initial
- \_\_\_\_\_ [Minimum non-erodible element cover] Maintain a percent cover that is equal to or greater than 10% for non-erodible elements as measured by the "rock test".  
Initial
- \_\_\_\_\_ [Implement an approved alternative] Comply with a standard of an alternative test method, upon obtaining the written approval from the Control Officer and the Administrator.  
Initial

**2. E Duration of Stabilization Obligation**

Is this plan being submitted as part of a block permit application? **Yes**  **No**  If **Yes**, you must acknowledge that control measures will be in place to maintain the stabilization standards of §4-7-226.D until Development Activity is complete.

\_\_\_\_\_ This site is subject to a Block permit, and permittee will maintain the stabilization standards of §4-7-226.D until Development Activity is complete.  
Initial

If **No**, you must check off acknowledging that control measures will be in place to maintain the stabilization standards of §4-7-226.D until the Control Officer approves closure of the Site Permit under Rule §4-7-238.

\_\_\_\_\_ This site is subject to permit requirements, and permittee will ensure control measures are in place to maintain the Stabilization standards of §4-7-226.D until the Control Officer approves closure of the Site Permit under §4-7-238. D.  
Initial

**Section 3. Record Keeping:**

**3. A Record keeping Requirements**

On any day when disturbed surfaces remain on site, earthmoving, or construction activity occurs, the site will maintain the following daily logs. \* \*Blank Logs submitted/accepted become part of the Dust Control Plan upon approval

- |  |   |   |
|--|---|---|
| Records verifying integrity of entrance/exit definitions   | <input type="checkbox"/> PCAQCD Form            | <input type="checkbox"/> Submitting Form for Approval |
| Records of trackout compliance inspections*<br><small>*Submitted forms must track inspections at each trackout point at the close of each workday/shift</small>                              | <input type="checkbox"/> PCAQCD Form            | <input type="checkbox"/> Submitting Form for Approval |
| Water/suppressant truck hours of operation and application rates*<br><small>*Submitted forms must define water or suppressant-usage volume along with application rates</small>              | <input type="checkbox"/> PCAQCD Form            | <input type="checkbox"/> Submitting Form for Approval |
| Records of opacity observations, including notation of methods utilized<br><small>*Forms must define how frequently activity linked and property line observations will be conducted</small> | <input type="checkbox"/> PCAQCD Form            | <input type="checkbox"/> Submitting Form for Approval |
| Records of location and results of surface stabilization assessments*<br><small>*Submitted forms must include notation of methods utilized.</small>  | <input type="checkbox"/> PCAQCD Form            | <input type="checkbox"/> Submitting Form for Approval |
| Dust Control Plan Compliance Inspections   | <input type="checkbox"/> PCAQCD Form            | <input type="checkbox"/> Submitting Form for Approval |
| Dust Suppressant MSDS/Plan Manufactures recommendation/s   | <input checked="" type="checkbox"/> PCAQCD Form | <input type="checkbox"/> Submitting MSDS/Plan Details |

**Section 4. Signature Affirmation:**

By signing this application, the ("permittee") acknowledges obligations to, and liability for failure to: assure that any earthmoving activity on the site is covered by the permit, assure that any earthmoving activity on the site is covered by the permit; with respect to the site, comply with or cause compliance with objective standards of §4-7-226, comply with or cause compliance with obligatory work practice standards of §4-7-230, and comply with or cause compliance with commitments in the dust management plan submitted in support of the permit application. In addition your signature also affirms that you have the authority to commit the named permit applicant to comply with the aforementioned requirements.

Print Name:	Title:	Company:
Signature:	Date:	



**P I N A L • C O U N T Y**  
*wide open opportunity*

**PINAL COUNTY AIR QUALITY CONTROL DISTRICT**  
**Non-Attainment Area Dust Control Permit Application Instructions**  
(INSTRUCTIONS FOR COMPLETING THE DUST CONTROL PERMIT APPLICATION FORM)

**APPLICANT INFORMATION**

**Section 1. Applicant**

Please note that if you are completing this application and you are the "Applicant", then you are the responsible authority for controlling all aspects of all the work accomplished on-site from initial groundbreaking to final stabilization. This includes canceling the Dust Control Permit when the project is complete and/or when you no longer have control over the day-to-day operations on the site. The Applicant must be the property owner, general/prime contractor, developer or lessee; a subcontractor cannot be the Applicant responsible for a dust control permit.

The Applicant's name will show on the permit and will not change on re-applications or changes to the permit that retain the original permit number. The Applicant may or may not also be the party contracting to do the work at the site.

The Pinal County Air Quality Control District requires the Applicant Information Section to be fully and accurately completed, including full legal names of all entities and individuals (no DBA's or trade names).

**Section 2. Primary Project Contact**

For all projects, provide a Primary Project Contact that may be a Dust Control Coordinator or a different individual all together. The contact information provided should allow/assist PCAQCD in contacting a competent site contact.

**Section 3. Dust Control Coordinator**

Any site with five acres or more of disturbed surface area subject to a permit issued by the Control Officer requiring control of PM<sub>10</sub> emissions from dust-generating operations requires at least one designated Dust Control Coordinator, with a valid dust training certification identification card that is readily accessible, on-site at all times during primary dust-generating operations. The Dust Control Coordinator is required to complete a Comprehensive Dust Control Training Class at least once every three years, after which a unique ID will be issued to the coordinator. If there are multiple Dust Control Coordinators, list additional information on the Dust Control Coordinator form.

**Section 4. Property Owner Developer**

Include information regarding the property owner/developer, if different from the Applicant.

**PROJECT INFORMATION**

**Section 5. Name of Project**

Provide the name, if any, by which this project will be, referred (e.g. Alterra Circle Cross), sub-division name, indicate if this is a permit renewal, and if so provide previous permit number.

**Section 6. Project Location**

Provide the best available information for the project's geographic location. If there is an on-site construction office or similar physical contact point this should be referenced. If no specific street address is available provide a street name, Pinal County Assessor's parcel number, master plan community number, geographic coordinates or any other pertinent location information or description.

**Section 7. Project Scope/Acres of Disturbance**

The size of the project is the total area that will be disturbed throughout the duration of the Permit. Include all unpaved staging areas, stockpiles, access and haul roads, parking, driveways, as well as storage (stated in acres). Be sure to separately notate the specific area of land to be graded if it is different in size than the total area. You will also need to indicate the estimated amount of import/export Bulk Material to/from the project site. The estimated amount of import/export Bulk Material to/from the project site is for hauling purposes and may not match the cubic yards to be moved within the boundaries of the project.

**Section 8. Earthmoving Activity**

Place a checkmark next to each activity that will be occurring at the site during the duration of this permit term.

**PERMIT ADMINISTRATION**

**Section 9. Attachments**

Place a checkmark next to each document type that you have attached to the Application.

**Section 10. Fee Payment Information**

Once you have determined an acre calculation utilizing Section 8. a fee determination can be made. The below tables will help you in making that determination.

Land Stripping / Earthmoving _____ Acres			
0.1 to less than five acres .....	\$ 75.00	50 acres to less than 60 acres.....	1,200.00
5 acres to less than 10 acres .....	200.00	60 acres to less than 70 acres.....	1,400.00
10 acres to less than 20 acres.....	400.00	70 acres to less than 80 acres.....	1,600.00
20 acres to less than 30 acres.....	600.00	80 acres to less than 100 acres.....	1,800.00
30 acres to less than 40 acres.....	800.00	100 + acres .....	2,000.00
40 acres to less than 50 acres .....	1,000.00		

If a registrant qualifies under the land stripping and/or earthmoving category, no other fees apply.

Trenching _____ Linear Feet			
363 to less than 500 linear feet of aggregate trenching.....	\$ 50.00	5,281 to less than 10,560 linear feet of aggregate trenching .....	\$1,000
501 to less than 1000 linear feet of aggregate trenching.....	\$ 100.00	10,561 to less than 21,120 linear feet of aggregate trenching .....	\$1,500
1,001 to less than 2,564 linear feet of aggregate trenching.....	\$ 150.00	21,121 + linear feet (greater than 4 miles).....	\$ 2,000
2,641 to less than 5,250 linear feet of aggregate trenching.....	\$ 500.00		

Stockpiling _____ Cubic Yards			
Greater than 10 but less than 100 cubic yards.....	\$ 50.00	501 + cubic yards.....	\$ 150.00
100 to 500 cubic yards.....	\$ 100.00		

Annual Block Registration (Expansion of Utilities and Roads Only).....\$2,000.00

\* Late Filing Fee of \$25.00 (less than 5 acres) or \$100.00 (5 acres or greater) may be applicable

\*\* Maximum fee of \$2,000.00 (plus late fee, if applicable) TOTAL\_\_\_\_\_

**Section 11. Permit Technician \*Person Completing Application**

Frequently, this person needs to be contacted, to clarify information in the application and/or dust plan. Providing the name, title, and contact information for the person completing the application will assist in processing your application and dust control plan.

**Section 12. Signature Affirmation**

The person signing the permit and/or dust control plan must an individual with the authority to ensure the site's compliance with the permit requirements.



## PINAL COUNTY AIR QUALITY CONTROL DISTRICT

### Non-Attainment Area Dust Control Plan Instructions

(INSTRUCTIONS FOR COMPLETING THE DUST CONTROL PLAN)

PINAL COUNTY  
*wide open opportunity*

## DUST CONTROL PLAN GENERAL INFORMATION

Pinal County Air Quality requires the submission of a Dust Control Plan with your application. You may complete the Dust Control Plan form provided by Pinal County and submit it as your Dust Control Plan or you may write your own Dust Control Plan describing all dust control measures to be used during the project and submit it for approval as your Dust Control Plan. Once approved the Dust Control Plan, along with the permit, must be posted in a conspicuous location at the work site, within on-site equipment, or in an on-site vehicle, or otherwise kept available on-site at all times.

Changes to aspects of the Dust Control Plan may be made after the application is approved by submitting a new permit application form (marked as a revision) to the Pinal County Air Quality Department.

As applicable you may choose to use additional dust control measures not currently listed in Dust Control plan form however, such unlisted dust control measures will be reviewed by the Pinal County Air Quality Department which may require additional information regarding the control measure effectiveness. Any unlisted dust control measure must meet the cause compliance with objective standards of §4-7-226, and comply with or cause compliance with obligatory work practice standards of §4-7-230 for any dust-generating operation.

PCAQD will apply the following minimum criteria when evaluating any unlisted dust control measures:

- The dust control measure technique is a new or alternative technology that is demonstrated to be equally or more effective in meeting the dust control requirements than the existing dust control measures provided in the Dust Control Permit Application.
- Site logistics do not practically allow for implementation of a listed dust control measure as written (e.g., road width or pre-existing barriers limit the size or width of a gravel pad).
- The owner and/or operator demonstrates that a listed dust control measure is technically infeasible due to site-specific or material-specific conditions, such that implementation of the dust control measure will not provide a benefit in reducing fugitive dust (e.g., pre-soaking screened, washed rock when handling).

Written explanation and/or documentation may be required when including unlisted dust control measures in a Dust Control Permit/Plan Application.

## DUST CONTROL PLAN CONTROL FORM INSTRUCTIONS

What follows is a listing of four section headings (1-4) that corresponds to Article 7 dust plan and/or specific rule requirements. Under each of the four section headings (1-4) are questions to ask and concepts to consider when designing your Dust Control Plan. You must comply with the work practice standards while also complying with the objective standards; therefore you must implement, as applicable, the dust control measures, practices, and administrative requirements as required within the dust control plan form provided.

### Section 1. Obligatory Work Practice Standards Section:

#### 1.A Project Access Control.

Every construction site is required to define, clearly mark, and enforce ingress and egress points for traffic into and out of the site. Due to this, the site needs to have designated access areas, parking areas, and material handling and storage areas. Designating these areas in advance will help you in maintaining a crust on inactive areas. At some sites, such as individual homebuilders, this may be as simple as the driveway; however, at larger sites more issues will need to be addressed and enforced.

### WHAT DOES THE RULE SAY?

§4-7-230. Obligatory Work Practice Standards; Sites

#### A. Project Access Control

Define, clearly mark, and enforce ingress and egress points for traffic into and out of the Site.

## DUST CONTROL PLAN CONTROL FORM INSTRUCTIONS CONTINUED:

### Section 1. Obligatory Work Practice Standards Section:

#### 1 B Dust Suppression for Inactive and Post-operation Areas and Roadways

Every affected site must consider how they intend to stabilize the site during non-working hours including any, and all times, there are no active operations occurring but the site has not been permanently stabilized. Things to consider are; restricting access, paving, apply gravel, apply suitable dust suppressant other than water, install wind barriers, vegetation, fencing, and apply water in sufficient quantities in order to reduce fugitive dust emissions to a level that complies with the applicable opacity limitations

#### Here are some things to consider:

- How are you going to stabilize your site during non-work hours including any and all times there are no active operations occurring, but the site has not been permanently stabilized?
- How will you control wind generated dust?
- How will the site be stabilized if construction is halted?
- Paving is typically only acceptable as a primary control measure, if paving is done at the beginning of a project.
- Open areas and vacant lots need to remain stabilized (i.e., maintain a visible crust, vegetation, or surface gravel) and inaccessible to motorized vehicles.

If your site does/will have inactive and post-operation areas and roadways, you must choose to implement at least **one** primary and **one** contingency control measures from the listed control measures for all inactive and post-operation-areas and-roadways within the site. If no, then you must explain why this category and its control measures are not applicable.

#### WHAT DOES THE RULE SAY?

§4-7-230. Obligatory Work Practice Standards; Sites

#### B. Dust Suppression for Inactive and Post-operation Areas and Roadways

For all inactive and post-operation-areas and -roadways within the Site:

1. Restrict access, and pave, apply gravel or apply a suitable dust suppressant other than water;
2. water and prevent access by fences, ditches, vegetation, berms, or other suitable barrier or means sufficient to prevent trespass as approved by the Control Officer; or
3. Establish a vegetative cover in accord with §4-7-226.D.

## DUST CONTROL PLAN CONTROL FORM INSTRUCTIONS CONTINUED:

### Section 1. Obligatory Work Practice Standards Section Continued:

#### 1.C Bulk Material Stacking and Stockpiling Operations

Bulk Material Stacking, Loading, and Unloading Operations; If your site will be trenching, backfilling, and/or importing/exporting bulk material which may also include stacking, loading, and unloading operations; which is when bulk materials are loaded into a truck or when materials are put into spoils piles from trenching operations.

#### Here are some things to consider:

- If you choose to use water to control dust for cut and fill activities, a rule of thumb is (1) 10,000 gallon water pull for each 7,000 cubic yards of material moved per day. When determining the total amount of water necessary for a project, another rule of thumb is that it takes at least 30 gallons of water to control dust from each cubic yard of material to be moved.
- Open storage piles; will you have spoils and/or storage piles for any length of time? If so, how will you control dust from storage or spoils piles? Will you have spoils and/or storage piles for any length of time? Open storage piles include piles that are on-site for any length of time. If you apply water or dust suppressant(s) to open storage piles when not conducting stacking, loading, and unloading operations, make sure that you limit unauthorized vehicle access to the area.
- If your site does/will have bulk material stacking and stockpiling operations, you must choose and implement at least one primary and one contingency control measures from the listed control measures for all inactive and post-operation-areas and-roadways within the site.

### WHAT DOES THE RULE SAY?

§4-7-230. Obligatory Work Practice Standards; Sites

#### C. Bulk Material Stacking and Stockpiling Operations

1. At least one of the following control measures shall be implemented during bulk material stacking, loading and unloading operations:
  - a. Spray material with water, as necessary, prior to stacking, loading and unloading and/or while stacking, loading and unloading; or
  - b. Spray material with a dust suppressant other than water, as necessary, prior to stacking, loading, and unloading and/or while, loading and unloading.
2. When not conducting stacking, loading or unloading operations, implement at least one of the following control measures with respect to a stockpile:
  - a. Cover all open storage piles with a tarp, plastic, or other material to prevent wind from removing the covering(s)/such that the covering(s) will not be dislodged by the wind; or
  - b. Apply water to maintain a soil moisture content at a minimum of 12%, as determined by ASTM Method D2216-05 or other equivalent methods approved by the Control Officer and the Administrator. For areas that have an optimum moisture content of less than 12% as determined by ASTM Method D1557-02e1 or other equivalent methods approved by the Control Officer and the Administrator, maintain at least 70% of the optimum soil moisture content; or
  - c. Maintain a soil crust; or
  - d. Implement either of the control measures in preceding subsection .b or .c, and construct and maintain wind barriers, storage silos, or a three-sided enclosure with walls, whose length is no less than equal to the length of the pile, whose distance from the pile is not more than twice the height of the pile, whose height is equal to the pile height, and whose porosity is no more than 50%.

# DUST CONTROL PLAN CONTROL FORM INSTRUCTIONS CONTINUED:

## Section 1. Obligatory Work Practice Standards Section Continued:

### 1.D Trackout Monitoring and Cleanup

What is trackout? Trackout is any and all bulk materials that adhere to and agglomerate on the surfaces of motor vehicles, haul trucks, and/or equipment (including tires) and that have fallen or been deposited onto a paved area accessible to the public.

Cleaning trackout requires removing any, and all bulk material that has been deposited onto public roadways, medians, gutters, and sidewalks. Cleaning trackout can be accomplished by manually sweeping up the deposits, by operating a street sweeper or wet broom, or by power washing. Some street sweepers (e.g., street sweepers with steel brushes) are more efficient than others, especially on stubborn trackout.

In order to comply with the rule every site must implement all three below work practices as primary control measures.

Your site is required to, immediately clean trackout that extends 25 feet or more.

Your site is required to, clean trackout that is less than 25 feet by the end each workday.

Your site is required to, remove all visible trackout at the close of each workday and/or each work shift.

#### Here are some things to consider:

- During import/export operations and following rain events, cleaning may need to be done on a more consistent basis to control trackout.
- You should be sure to aware of and check other applicable regulations. For instance, some work sites are located in areas where the paved areas may not be cleaned by power washing with water due to Storm Water Pollution Prevention Plans (SWPP), National Pollutant Discharge Elimination Standards (NPDES), or Arizona Pollutant Discharge Elimination System (AZPDES).

### WHAT DOES THE RULE SAY?

§4-7-230. Obligatory Work Practice Standards; Sites

D. Trackout; Monitoring and Cleanup.

1. Monitor trackout length at each egress point.
2. Immediately clean up any trackout that violates the length or pack-thickness limitations of §4-7-226.B.1.
3. Remove all visible trackout at the close of each workday and/or each work shift.

### 1. E Signage

If your site is five acres or larger, you must install signage. The signage requirements call for the following: minimum of 24 inches tall by 30 inches wide, a white background, and the words "DUST CONTROL" shown in black block lettering which is at least four inches high containing the following information: project name, name and phone number of person(s) responsible for conducting project., and text stating: "Dust Complaints? Call Pinal County Air Quality Control District at (520) 866-6929." The sign should be visible to the public erected at the main entrance, or at each\_end of the road construction site.

### WHAT DOES THE RULE SAY?

4-7-230. Obligatory Work Practice Standards; Sites

E. Signage

At any Site that is five acres or larger, erect a project information sign at the main entrance that is visible to the public or at each end of the road construction Site. The sign shall be a minimum of 24 inches tall by 30 inches wide, have a white background, and have the words "DUST CONTROL" shown in black block lettering which is at least four inches high, and shall contain the following information in a "legible Fashion"

1. Project Name
2. Name and phone number of person(s) responsible for conducting project.text stating: "Dust Complaints? Call Pinal County Air Quality Control District at (520) 866-6929."

#### DUST CONTROL

XYZ Construction: Project Name  
Project Contact: John Doe  
Phone Number: (555) 555-5555

**Dust Complaints? Call Pinal County Air  
Quality Control District at (520)866-6929**

## DUST CONTROL PLAN CONTROL FORM INSTRUCTIONS CONTINUED:

### Section 1. Obligatory Work Practice Standards Section Continued:

#### 1.F Training

Sites that are larger than one acre must ensure that the site superintendent or other designated on-site representative of the Site Permit holder, and any water truck or water pull driver maintaining surface stabilization shall have successfully completed a Control-Officer-approved Basic Dust Control Training Class.

Five acre or larger sites must ensure that at least one individual qualified under a Control-Officer-approved Dust Control Coordinator training program on-site at all times during permit related active earthmoving activity.

#### WHAT DOES THE RULE SAY?

4-7-230. Obligatory Work Practice Standards; Sites

##### F. Training

###### 1. Dust Coordinator

On any Site, or any contiguous combination of Sites under common control, having five acres or more of disturbed surface area subject to a Site Permit requirement, assure that at all times during earthmoving activity operations related to the purposes for which an Site Permit is required, have on-site at least one individual qualified under a Control-Officer-approved Dust Control Coordinator training program.

###### 2. Superintendent and Water Pull Drivers

Assure that the site superintendent or other designated on-site representative of the Site Permit holder, and any water truck or water pull driver maintaining surface stabilization shall have successfully completed a Control-Officer-approved Basic Dust Control Training Class.

#### 1.G Conformance with Project Access Control.

Designating ingress, egress, parking areas, and material handling, access areas, and storage areas is a great first step in helping your site maintaining a crust on inactive areas. However, it is just a first step; in order to be effective project access control must be actively enforced to ensure that drivers, contractors, subcontractors, and materialmen only utilize those designated areas.

#### WHAT DOES THE RULE SAY?

4-7-230. Obligatory Work Practice Standards; Sites

##### G. Conformance with Project Access Control.

Drivers, contractors, subcontractors, and materialmen shall utilize only the ingress and egress defined by the Owner and/or Operator.

# DUST CONTROL PLAN CONTROL FORM INSTRUCTIONS CONTINUED:

## Section 1. Obligatory Work Practice Standards Section Continued:

### 1.H Dust Suppression for Active Working Areas, Parking Areas and Roadways

All sites at some point will have active working areas. Others will also have parking areas, and roadways. Your site will need to apply and/or maintain control measures in order to manage the dust from these areas and operations. To put it simply, if your site is active then there must be active effective control measures in place. Your site will need to implement at least one of the following control measures, and elect one contingency control measure from the following:

1. Apply water so that the surface is visibly moist
2. Apply and maintain a suitable dust suppressant other than water
3. Limit speed to 15 mph and traffic to no more than 20 trips/day, provided reliance on this measure requires that the Dust Management Plan include a traffic management plan that details how speed and daily trips will be limited
4. Apply gravel, recycled asphalt or other suitable material
5. Pave

#### Here are some things to consider:

- Paving is perfect for permanent stabilization. However, alternative control measures would need to be taken prior to having the pavement in place.
- Applying gravel is also a great means of providing for soil stabilization. Applying water prior to application may be required dependant on soil conditions to minimize fugitive dust from becoming airborne. Additional gravel may need to be installed later in order to maintain its effectiveness.
- Limiting speed to 15 mph on the site is an effective means of limiting the amount of fugitive dust, but that alone would not serve your site well as a primary control measure. The application of water, dust suppressant, gravel, recycled asphalt, or paving would, at some point also be required, in order to meet the objective standards for opacity limitations.

### WHAT DOES THE RULE SAY

4-7-230. Obligatory Work Practice Standards; Sites

#### H. Dust Suppression for Active Working Areas, Parking Areas and Roadways

To manage dust from working areas, including disturbed areas affected by on-site parking, vehicular traffic, equipment traffic, material transport, or equipment transport and roadways, at least one of the following measures shall be implemented:

1. Apply water so that the surface is visibly moist;
2. Apply and maintain a suitable dust suppressant other than water;
3. Limit speed to 15 mph and traffic to no more than 20 trips/day, provided reliance on this measure requires that the Dust Management Plan include a traffic management plan that details how speed and daily trips will be limited;
4. Apply gravel, recycled asphalt or other suitable material; or
5. Pave.

## DUST CONTROL PLAN CONTROL FORM INSTRUCTIONS CONTINUED:

### Section 1. Obligatory Work Practice Standards Section Continued:

#### 1.I Dust Suppression During Bulk Excavation Operations

If your site has bulk excavation operations, your site must implement the following as primary control measures: Pre-watering before earthmoving cut-operations, dust suppression during bulk excavation operations, and apply water during activity in sufficient quantities to limit particulate emissions in order to avoid opacity limit violations.

**Here are some things to consider:**

- Dust suppression during bulk excavation operations, a good rule of thumb is that it takes at least 30 gallons of water to control dust from each cubic yard of material to be moved.
- Pre-watering prior to commencing earthmoving cut operations; a good rule of thumb when pre-watering areas to be disturbed is one acre-foot of water (325,851 gallons) per acre of land. Pre-watering areas to the depth of cuts will reduce the amount of water required for dust control. Pre-watering does not mean flooding the area to be disturbed, which may make the area unworkable. Nor does it mean allowing the watered area to dry-out before the dust-generating operation occurs, since that would prevent adequate dust control.
- Applying water in order to reduce particulate emissions in order to comply with opacity limitations, water should be applied continuously in front of or in conjunction with a scraper/grader/dozer. Water applied behind equipment is usually intended for compaction purposes and not dust control.
- Small individual single-family housing projects are required to apply the work practice standards outlined in §4-7-230 I. The size and scope of such projects can require anything from a water truck, water buffalo, and hoses and sprinklers to plain garden hoses. The practice is the same regardless of the scope of the project. Only the size, type, and quantity of equipment changes.

#### WHAT DOES THE RULE SAY?

§4-7-230. Obligatory Work Practice Standards; Sites

I. Dust Suppression During Bulk Excavation Operations

1. Pre-watering shall be applied before commencing earthmoving cut-operations; and
2. Water shall be applied during activity as required to limit particulate emissions to avoid opacity limit violations.

#### 1.J Project-internal Load Stabilization

The hauling of bulk materials onsite internally has a lot of potential to create fugitive dust. Your site must make active efforts to ensure that the fugitive dust from these operations is minimized. Limiting speed to 15 miles per hour, stabilizing loads by applying water, and covering the loads with tarps are good control measures if their application and practice is applied appropriately.

#### WHAT DOES THE RULE SAY?

§4-7-230. Obligatory Work Practice Standards; Sites

J. Project-internal Load Stabilization

Load stabilization shall be required during haulage of bulk excavated materials internally within a Site and not crossing a paved public road by implementing at least one of the following measures:

1. Limit speed to 15 miles per hour;
2. Stabilize loads with water or a dust suppressant; or
3. Cover the load with a tarp or other suitable dust and wind impermeable material.

## DUST CONTROL PLAN CONTROL FORM INSTRUCTIONS CONTINUED:

### Section 1. Obligatory Work Practice Standards Section Continued:

#### 1.K Roadway-Crossing Load-Stabilization

Trackout onto paved public roadways contributes to your sites fugitive dust emissions. Therefore, your site is required to implement the following work practices in order to reduce the amount of trackout being created:

1. Load all haul trucks such that the freeboard is not less than three inches
2. Load all haul trucks such that at no time shall the highest point of the bulk material be higher than the sides, front, and back of a cargo container area
3. Prevent spillage or loss of bulk material from holes or other openings in the cargo compartment's floor, sides, and/or tailgate(s)
4. When crossing and/or accessing a paved area accessible to the public, install, maintain, and use a suitable trackout control device that controls and prevents trackout and/or removes particulate matter from tires and the exterior surfaces of haul trucks and/or motor vehicles that traverse the site.

#### Something to consider.

- It is important to realize that it cost more time and resources to clean up trackout than it does to prevent it in the first place.

### WHAT DOES THE RULE SAY?

§4-7-230. Obligatory Work Practice Standards; Sites

#### K. Roadway-Crossing Load-Stabilization

Load stabilization shall be required during haulage of bulk-excavated materials across a paved public road, by implementing all of the following limitations:

1. Load all haul trucks such that the freeboard is not less than three inches;
2. Load all haul trucks such that at no time shall the highest point of the bulk material be higher than the sides, front, and back of a cargo container area;
3. Prevent spillage or loss of bulk material from holes or other openings in the cargo compartment's floor, sides, and/or tailgate(s); and
4. When crossing and/or accessing a paved area accessible to the public, install, maintain, and use a suitable trackout control device that controls and prevents trackout and/or removes particulate matter from tires and the exterior surfaces of haul trucks and/or motor vehicles that traverse the Site.

## DUST CONTROL PLAN CONTROL FORM INSTRUCTIONS CONTINUED:

### Section 1. Obligatory Work Practice Standards Section Continued:

#### 1.L Demolition; Emission Mitigation

Demolition of structures, concrete pads etc have the potential to create excessive fugitive dust. If your site conducts demolition, activities it must implement the following control measures:

1. Apply water to demolition debris immediately following demolition activity
2. Apply water to all disturbed soil surfaces to establish a crust and to prevent wind erosion.

#### WHAT DOES THE RULE SAY?

§4-7-230. Obligatory Work Practice Standards; Sites

L. Demolition; Emission Mitigation

To the extent Development Activity includes demolition activities, implement all of the following measures:

1. Apply water to demolition debris immediately following demolition activity; and
2. Apply water to all disturbed soil surfaces to establish a crust and to prevent wind erosion.

#### 1.M Weed Abatement; Emission Mitigation

Weed abatement, the discing or blading of unwanted vegetation has a huge potential for creating fugitive dust if conducted without proper control measures. Many times this activity is conducted in and/or adjacent to high-density subdivisions amongst occupied residences. Great care must be taken to avoid fugitive dust from becoming airborne during these operations. If you must conduct these operations all of the following control measures must be taken:

1. Apply water before discing and/or blading for weed abatement occurs
2. Apply water while discing and/or blading for weed abatement
3. Apply water after discing and/or blading for weed abatement to form a crust or: pave, apply gravel, apply a suitable chemical dust suppressant; or establish vegetative ground cover.

#### WHAT DOES THE RULE SAY?

§4-7-230. Obligatory Work Practice Standards; Sites congratulations

M. Weed Abatement; Emission Mitigation

To the extent Earthmoving for a particular project includes weed abatement activity, implement all of the following control measures:

1. Before weed abatement by discing or blading occurs, apply water;
2. While weed abatement by discing or blading is occurring, apply water; and
3. After weed abatement by discing or blading occurs, pave, apply gravel, apply water, apply a suitable dust suppressant other than water, or establish vegetative ground cover.

#### 1. N Blasting; Emission Mitigation

If you site does or will be conducting blasting operations it must implement the following primary control measures: discontinue/cease blasting in wind gust above 25 miles per hour, and pre-water and maintain surface soils in a stabilized condition where support equipment and vehicles will operate.

#### WHAT DOES THE RULE SAY?

§4-7-230. Obligatory Work Practice Standards; Sites

N. Blasting; Emission Mitigation

All of the following control measures shall be implemented for blasting operations at a Site:

1. In wind gusts above 25 miles per hour, discontinue/cease blasting; and
2. Pre-water and maintain surface soils in a stabilized condition where support equipment and vehicles will operate.

## DUST CONTROL PLAN CONTROL FORM INSTRUCTIONS CONTINUED:

### Section 1. Obligatory Work Practice Standards Section Continued:

#### 1.O Subcontractor Registration Verification

A requirement of §4-7-230 O. is Subcontractor Registration. Subcontractors do not submit the Dust Control Permit Application in the role of "Applicant" but subcontractors engaged in dust-generating operations at a site that is subject to a Pinal County dust control permit are required to register with the PCAQCD. The subcontractor shall have its registration number readily accessible on-site while conducting any dust-generating operations. At this time, PCAQCD does not charge a fee for this registration. A subcontractor registration number can be obtained by providing your registration information at the following website:

[www.pinalcountyz.gov/Departments/AirQuality/Dust/Pages/SubcontractorRegistration.aspx](http://www.pinalcountyz.gov/Departments/AirQuality/Dust/Pages/SubcontractorRegistration.aspx)

#### WHAT DOES THE RULE SAY?

§4-7-230. Obligatory Work Practice Standards; Sites

O. Subcontractor Registration Verification

Assure that any subcontractors engaged in earthmoving activity on the Site have registered with Pinal County Air Quality as a subcontractor.

ARS Title §49-474.06. Dust control; subcontractor registration; fee

- A. In an area designated by the environmental protection agency as a serious PM-10 nonattainment area or a maintenance area that was designated as a serious PM-10 nonattainment area, a subcontractor who is engaged in dust generating operations at a site that is subject to a permit that is issued by a control officer and that requires control of PM-10 emissions from dust generating operations shall register with the control officer by submitting information in the manner prescribed by the control officer. The control officer shall issue a registration number after payment of the fee authorized under subsection C.
- B. The subcontractor shall have its registration number readily accessible on site while conducting any dust generating operations.
- C. The control officer may establish and assess a fee for the registration required under subsection A based on the total cost of processing the registration and issuance of a registration number.

## DUST CONTROL PLAN CONTROL FORM INSTRUCTIONS CONTINUED:

### Section 2. Objective Standards:

#### 2.A Opacity Limitations

§4-7-226. A sets limitations on the amount of visible fugitive dust emissions attributable to or resulting from any disturbed areas on your site. Your sites fugitive dust emissions opacity is measured by looking through the dust plume, while the sun is at your back. If you have visible emissions you should evaluate the effectiveness of the work practices and control measures you have adopted for your site.

#### Something to Consider:

- As a general rule of thumb, if at any time you can see dust, being generated, by equipment operations. it is already at least 10% opacity.
- Your site can also be held accountable for wind driven emissions from inadequately stabilized areas and operations.

The dust control plan requires that you acknowledge the opacity limitations that apply to fugitive dust emissions from the development activity at your site by placing your initialing by each of the requirements.

### WHAT DOES THE RULE SAY?

§4-7-226. Objective Standards; Sites

- A. Opacity Limitations. Opacity directly attributable to Development Activity or resulting from any disturbed areas caused by Development Activity shall not exceed any of the following limitations:
1. 0% Property Line Opacity Limitation. Subject to the exemptions below, the net opacity contribution from any Development Activity or disturbed areas caused by Development Activity shall not violate a 0% opacity standard at the boundary of the parcel for more than 30 seconds in any continuous six-minute period.
    - a. This limitation shall not apply to earthmoving operations conducted within 25 feet of a parcel boundary.
    - b. For purposes of this property line opacity standard, opacity shall be determined based on a time-aggregation method. See Article 9, §4-9-340.F.
  2. [Continuous Plume Limitation] Opacity shall not exceed 20% opacity for any continuous plume, as assessed by a time-averaging method, based on observations every 15 seconds over a 3-minute span, as defined in Article 9, §4-9-340.E.
  3. [Intermittent Plume Limitation] Opacity shall not exceed 20% opacity for any intermittent plume, as assessed by the average of a set of six paired observations, spaced by five seconds and conducted within a one-hour period, as defined by the appropriate test method in Article 9, see §§4-9-340.C and 4-9-340.D.
  4. [Wind Events] The opacity limitations of this rule shall apply to wind-driven emissions, provided that an Owner and/or Operator may have an affirmative defense to any violation upon making a showing as required under §4-7-222.

## DUST CONTROL PLAN CONTROL FORM INSTRUCTIONS CONTINUED:

### Section 2. Objective Standards Continued:

#### 2.B Trackout Control Measures

Trackout control devices are preventative devices intended to reduce the amount of dirt transferred onto paved areas. Trackout control devices are required at every exit to a paved area accessible to the public (any retail parking lot or public roadway that is open to public travel primarily for purposes unrelated to the dust-generating operation) for job sites 2 acres or larger or when 100 cubic yards of bulk material are hauled on-site or off-site per day.

#### Here are some things to consider:

- Properly installed and maintained trackout control systems may reduce costs by reducing the need for street sweepers or laborers needed to remove the trackout from publicly traveled paved surfaces.
- Trackout control systems also assist in storm weather pollution prevention.
- What will you use as trackout control if trenching and/or other site work removes an existing control device, pad etc.
- What will your site use as a control device during curb and gutter installation
- How will you restrict egress from the site ensuring that traffic actually utilizes the trackout control device

### WHAT DOES THE RULE SAY?

§4-7-226. Objective Standards; Sites

#### B. Trackout Limitations.

1. [Basic Limitation] Continuous visible trackout from any Site onto a paved public roadway shall not exceed 25' in length or exhibit a trackout pack-depth greater than 0.25".
2. On-site Trackout Control System. For any period of time when a project has more than two acres of area disturbed, or on any day that more than 100 cubic yards of bulk material is shipping in or out of the Site, install and maintain a trackout control system that prevents trackout.
3. Trackout Control System Options.

Where a trackout control system is required, install and maintain at least one of the following system options.

#### a. Presumptively acceptable systems.

The following systems shall be acceptable options in a dust mitigation plan:

- i. Rumble strips - 25 foot length. For use of grizzlies or other similar devices designed to remove dirt/mud from tires, the devices shall extend from the intersection with the public paved road surface for a distance of at least 25 feet, and cover the full width of the unpaved exit surface for at least 25 feet.
- ii. Gravel pads - 50 foot length. For use of gravel pads, coverage with gravel shall be at least one inch or larger in diameter and at least 3 inches deep, shall extend from the intersection with the public paved road surface for a distance of at least 50 feet, and cover the full width of the unpaved exit surface for at least 50 feet. Any gravel deposited onto a public paved road travel lane or shoulder must be removed at the end of the workday or immediately following the last vehicle using the gravel pad, or at least once every 24 hours, whichever occurs first.
- iii. Internal paving - 100 feet. For use of paving, paved surfaces shall extend from the intersection with the paved public road surface for a distance of at least 100 feet, and cover the full width of the unpaved access road for that distance to allow mud and dirt to drop off of vehicles before exiting the Site. Mud and dirt deposits accumulating on paved interior roads shall be removed with sufficient frequency, but not less frequently than once per workday, to prevent carryout and trackout onto a paved public road.
- iv. [Wheel wash system] At all exits onto paved areas accessible to the public, install a wheel wash system.

#### B. Alternative systems.

As an alternative, the Site Permit dust control plan may propose some other system for controlling trackout, provided that visible trackout from such system shall not exceed 5' in length onto a paved public road.

## DUST CONTROL PLAN CONTROL FORM INSTRUCTIONS CONTINUED:

### Section 2. Objective Standards Continued:

#### 2.C Active Area Stabilization Requirements

Your site needs to determine in advance by planning and ensuring for active control measures that are adequate in order to ensure your active disturbed areas such as: on-site parking, vehicular traffic, equipment traffic, material transport, or equipment transport comply with the active area stabilization requirements.

The dust control plan requires that you acknowledge the active area stabilization requirements that apply to your site by initialing each of the requirements.

#### WHAT DOES THE RULE SAY?

§4-7-226. Objective Standards; Sites

##### C. Active Area Stabilization Requirements

###### 1. Applicability; Affected Areas

Active area stabilization requirements apply to disturbed areas affected by on-site parking, vehicular traffic, equipment traffic, material transport, or equipment transport.

###### 2. [Objective Standards] Comply with each of the following requirements:

- a. Every disturbed parking area and/or working area shall show compliance at all times with one of the following objective standards as assessed in accord with Article 9, §4-9-320.A:
  - i. Silt loading shall not exceed 0.33 oz/ft<sup>2</sup>; or
  - ii. Silt content shall not exceed 8% for parking and working areas.
- b. Every disturbed roadway area shall show compliance at all times with one of the following objective standards as assessed in accord with Article 9, §4-9-320.A:
  - i. Silt loading shall not exceed 0.33 oz/ft<sup>2</sup>; or
  - ii. Silt content shall not exceed 6% for roads.
- c. All disturbed areas other than parking areas, working areas or roadway areas affected under this Active Area Stabilization requirement shall be stabilized such that every disturbed area shows compliance at all times with the drop ball test of Article 9, §4-9-320.B.1.

3. Maintenance Obligation] Maintain active area stabilization to meet the foregoing standards until the activity ceases and the affected area of the Site has been stabilized to meet the post-operation stabilization standards of §4-7-226.D.

## DUST CONTROL PLAN CONTROL FORM INSTRUCTIONS CONTINUED:

### Section 2. Objective Standards Continued:

#### 2.D Stabilization Requirement for Inactive and Post-operation Areas

You must acknowledge the stabilization requirements that apply for any disturbed surface area/s\* on which no activity is occurring. \*Each distinguishable surface area at your site shall meet at least one of the standards. There may be several areas of the site which exhibit visibly distinguishable surface characteristics. Each area shall be separately assessed for stability due to this multiple testing options may be appropriate. The dust control plan requires that you acknowledge by initialing off on each of the requirements.

#### WHAT DOES THE RULE SAY?

§4-7-226. Objective Standards; Sites

##### D. Stabilization Requirement for Inactive and Post-operation Areas

Any disturbed surface area on which no activity is occurring shall meet at least one of the standards described below. If areas of the Site exhibit visibly distinguishable surface characteristics, each area shall be separately assessed for stability. Stability shall be assessed in accord with the appropriate test methods described in Article 9, §4-9-320.B. Failure to maintain a disturbed surface area on which no activity is occurring shall be considered in violation of this rule unless the area is maintained in a manner that meets at least one of the standards listed below, as applicable.

1. [Drop Ball Test] Maintain stabilization or a soil crust adequate to pass the drop ball test;
2. [Maintain 100 cm/sec. threshold friction velocity] Maintain a threshold friction velocity (TFV) for disturbed surface areas corrected for non-erodible elements of 100 cm/second or higher;
3. [Maintain 50% flat vegetative cover] Maintain a flat vegetative cover (i.e., attached (rooted) vegetation or unattached vegetative debris lying on the surface with a predominant horizontal orientation that is not subject to movement by wind) that is equal to at least 50%;
4. [Maintain 30% standing vegetative cover] Maintain a standing vegetative cover (i.e., vegetation that is attached (rooted) with a predominant vertical orientation) that is equal to or greater than 30%;
5. [Maintain 10% standing vegetative cover and 43 cm/sec. TFV] Maintain a standing vegetative cover (i.e., vegetation that is attached (rooted) with a predominant vertical orientation) that is equal to or greater than 10% and where the threshold friction velocity is equal to or greater than 43 cm/second when corrected for non-erodible elements;
6. [Minimum non-erodible element cover] Maintain a percent cover that is equal to or greater than 10% for non-erodible elements as measured by the "rock test"; or
7. [Implement an approved alternative] Comply with a standard of an alternative test method, upon obtaining the written approval from the Control Officer and the Administrator.

## DUST CONTROL PLAN CONTROL FORM INSTRUCTIONS CONTINUED:

### Section 2. Objective Standards Continued:

#### 2.E Duration of Stabilization Obligation

Your site is responsible for the stabilization until the activity at the site has stopped and permanent stabilization is in place. Each site must also comply with the site closure requirements.

The dust control plan requires that you acknowledge by initialing off on each of the requirements.

#### WHAT DOES THE RULE SAY?

§4-7-226. Objective Standards; Sites

E. Duration of Stabilization Obligation.

1. Unpermitted Sites. For any unpermitted Site, maintain the stabilization standards of §4-7-226.D until Development Activity is complete.
2. Sites Subject to a Block Permit. For any unpermitted Site, maintain the stabilization standards of §4-7-226.D until Development Activity is complete.
3. Other Permitted Sites. For any other Site subject to permit requirement, maintain the stabilization standards of §4-7-226.D until the Control Officer approves closure of the Site Permit under Rule §4-7-38.

### Section 3. Record Keeping:

#### 3. A Record keeping Requirements

On any day when disturbed surfaces remain on site, earthmoving, or construction activity occurs, the site will maintain the following daily logs/forms will be completed:

Records verifying integrity of entrance/exit definitions .

Records of trackout compliance inspections\*

\*Submitted forms must track inspections at each trackout point at the close of each workday/shift

Water/suppressant truck hours of operation and application rates\*

\*Submitted forms must define water or suppressant-usage volume along with application rates

Records of opacity observations, including notation of methods utilized

\*Forms must define how frequently activity linked and property line observations will be conducted

Records of location and results of surface stabilization assessments\*

\*Submitted forms must include notation of methods utilized.

Dust Control Plan Compliance Inspections

Dust Suppressant MSDS/Plan Manufactures recommendation/s

Most forms are available as part of this package. It is important to note that the forms submitted, and or accepted as part of this application become part of the dust control plan and must be maintained onsite.

#### WHAT DOES THE RULE SAY?

§4-7-238. Nonattainment Area Site Permits

3. Recordkeeping.

On any day when disturbed surfaces remain on the Site and any earthmoving or construction activity occurs, the Permittee shall maintain daily logs showing:

- a. Records verifying integrity of entrance/exit definitions.
- b. Records of trackout compliance inspections.
- c. Water/suppressant truck hours of operation and water or suppressant application rates. Permittee may use whatever metrics will reasonably reflect actual application rates.
- d. Records of opacity observations, including notation of methods utilized.
- e. Records of location and results of surface stabilization assessments, including notation of methods utilized.
- f. Compliance with the dust control plan.

## DUST CONTROL PLAN CONTROL FORM INSTRUCTIONS CONTINUED:

### Section 4. Signature Affirmation

#### 4. A Signature Affirmation

The person signing the permit and/or dust control plan must be an individual with the authority to ensure the site's compliance with the permit requirements.

#### WHAT DOES THE RULE SAY?

§4-7-234. Nonattainment-Area Dust Permit Program; General Provisions

##### I. Application signatures.

Every application shall be signed by an individual, and that signature shall constitute a personal representation that the signer has authority to commit the named permit applicant ("Permittee") to comply with the provisions of this Article.

§4-7-238. Nonattainment Area Site Permits

##### 4. Site Dust Control Plan.

##### C. Permittee's Obligations

1. Application Acknowledgments. By signing an application, the Permittee acknowledges obligations to, and liability for failure to:

- a. Assure that any earthmoving activity on the Site is covered by the Permit;
- b. With respect to the Site:
  - i. Comply with or cause compliance with objective standards of §4-7-226.
  - ii. Comply with or cause compliance with obligatory work practice standards of §4-7-230.
  - iii. Comply with or cause compliance with commitments in the dust management plan submitted in support of the Permit application.





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# DUST CONTROL PLAN

## Non-Attainment Area

### Daily Self-Checklist Compliance Log

**Dust Permit #:** \_\_\_\_\_ **Site:** \_\_\_\_\_ **Date:** \_\_\_\_\_

#### Section 1. Obligatory Work Practice Standards

(If No is checked corrective action/s taken must be listed in the comment

Criteria		Observed	Comments
1.A	Are all ingress & egress points for traffic into & out of site defined & clearly marked?	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>	
1.B	Are effective control measures taken for inactive areas, and post-operation roadways?	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>	
1.C	Are effective control measures taken for bulk material stacking and stockpiling operations?	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>	
1.D	Is trackout length and pack depth monitored at each egress point?	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>	
	Are control/clean up measures in place/taken to limit track out to < 25' in length, or a pack depth of 0.25"?	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>	
	Is all visible track out cleaned up/removed at the close of each workday and/or work shift?	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>	
1.E	Is the dust control sign erected & visible to the public at the main entrance? ( 5 acres and above)	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>	
1.F	Have all site superintendents/on-site representative and water truck/pull drivers completed a basic dust-control training course within the last 3 years? (Required for sites 1 acre and larger)	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>	
	Does your site have a qualified Dust Control Coordinator onsite? (Sites 5 acres or larger)	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>	
1.G	Is everyone entering and exiting the site conforming to project access control requirements?	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>	
1.H	Are effective control measures taken for active working areas, parking areas, and roadways?	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>	
1.I	Is pre-watering -to the depth of cut- been applied before starting earthmoving cut-operations?	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>	
	Is water being effectively applied during bulk-excavation operations?	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>	
1.J	Are load stabilization requirements for bulk-excavated materials, within your site, being met?	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>	
1.K	Are haul trucks that cross paved-public roads loaded with not less than 3" of freeboard?	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>	
	Are haul trucks that cross paved-public roads loaded so that no bulk material is higher than the sides, front, and back of the cargo container area?	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>	
	Is spillage/loss of bulk material from: holes, openings, floor sides, and tailgates prevented?	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>	
1.L	Is water applied to the demolition debris immediately following demolition activities?	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>	
	Is water applied to all disturbed soil surfaces after demolition activity to prevent wind erosion?	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>	
1.M	Is water being applied prior to weed abatement by discing or blading?	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>	
	Is water being applied while conducting weed abatement by discing or blading?	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>	
	Is water, gravel, or a suitable dust suppressant/or vegetative cover being applied after weed abatement by discing or blading occurs?	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>	
1.N	Does your site discontinue/cease blasting in wind gusts above 25 miles per hour?	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>	
	Does your site pre-water, maintaining surface soils stabilization where support equipment and vehicles will operate during blasting operations?	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>	
1.O	Are all on-site sub-contractors engaged in earthmoving activity registered with PCAQCD?	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>	

#### Section 2. Objective Standards

(If No is checked corrective action/s taken must be listed in the comment section)

Criteria		Observed	Comments
<b>A minimum of one opacity observation form for each applicable limitation must be completed daily if at any time visible emissions are present.</b> <small>*Completed opacity observation forms must be attached to this form and maintained as part of the daily logs</small>			
2.A	Is/has there been any visible fugitive dust emissions during any part of this workday/shift?	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>	
	Are effective control measures taken to comply with the 0% property line, opacity limitation?	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>	Observation Time: _____
	Are effective dust control measures taken to comply with the continuous plume limitation?	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>	Observation Time: _____
	Are effective dust control measures, taken to comply with the intermittent plume limitation?	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>	Observation Time: _____
2.B	Are control measures taken to limit track out to < 25' in length, or a pack depth of 0.25"	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>	
	Does your site have a track out control system(s) installed? (Required for sites 2 acres or larger or if there is >100 cubic yards of bulk material shipped on any one day)	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>	
	If your site has rumble strips are they at least 25' in length and the width of the exit?	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>	
	If your site has gravel pads are they at least 50' in length and 3' deep rocks >1" diameter?	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>	
	If your site uses internal paving as track out control does it comply with the following: extends 100' from any paved public road surface, covers the full width of exit, and cleaned with sufficient frequency, but not less than once per workday?	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>	
2.C	If your site is using a wheel wash system, is it in good working order, and preventing track-out onto paved public roadways?	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>	
	If your site is using a PCAQCD approved alternative track out control system, does it limit track out to <5' onto paved public roadways.	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>	
	Do disturbed parking area(s) and/or working area(s) comply at all times with one of the following? <input type="checkbox"/> Silt loading shall not exceed 0.33 oz/ft <sup>2</sup> <input type="checkbox"/> Silt content shall not exceed 8%	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>	*Sufficiently graveled areas are not suitable for testing.
	Does every disturbed roadway comply at all times with one of the following? <input type="checkbox"/> Silt loading shall not exceed 0.33 oz/ft <sup>2</sup> <input type="checkbox"/> Silt content shall not exceed 6% for roads	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>	*Sufficiently graveled areas are not suitable for testing.
2.C	Do disturbed areas other than parking areas, working areas or roadway areas comply at all times with the drop ball test?	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>	
	Does your site maintain active area stabilization to meet the foregoing standards listed in 2.C of this form until the activity ceases?	Y <input type="checkbox"/> N <input type="checkbox"/> N/A <input type="checkbox"/>	













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### PINAL COUNTY AIR QUALITY CONTROL DISTRICT

### Non-Attainment-Area Dust Permit Closeout Form

PO Box 987, Florence, AZ 85132

Phone (520) 866-6929 Fax (520) 866-6967

#### Project Information

Project Name:		Permit #:	
Street Address:		City/Area:	<input type="checkbox"/> Unincorporated Area (County) <input type="checkbox"/> Incorporated (City)
County Assessor's Parcel Number(s):	Book:	Map:	Parcel: <input type="checkbox"/> Attach Assessors Parcel List if Necessary

#### Permit Holder

Relationship to Property (Check all that apply):

Property Owner     General/Prime Contractor     Sub-Contractor     Developer     Lessee

Type of Entity:

Corporation     LLC Company or Partnership     Sole Proprietor     Individual     Government

Name:

Street Address:	City:	State:	Zip:
Phone:	Mobile:	Fax:	
Email Address:			
Local Mailing Address (if not the same as above)			

#### Stabilization Obligation

Has development activity at the site ceased?  Yes  No

Have all disturbed portions of the site been stabilized as required by §4-7-226.  Yes  No  Stabilization Test Form(s) On File

Printed Name:	Signature:	Date:
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#### PCAQCD Office Use Only

Received By:	Date:
Approved By:	Date:

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**Future stabilization forms appendix**



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# STABILIZATION ASSESSMENT FORM

## Non-Attainment Area

### Source Self-Compliance Assistance Form Drop Ball Test Method

#### Equipment Needed

- One ball bearing with a diameter of 15.9 mm (0.625 inches) and a mass of 16-17 grams (0.56-.060 ounces)
- One metric ruler or pre-sized metering device to measure 30cm by 30 cm

#### Project Information

Project Name:	Permit #:
Street Address/Location:	City/Area:

Brief description of Location being tested:

Location Type (Pick One):  Unpaved Road  Unpaved Parking Lot  Vacant Lot  Open Area  Other: \_\_\_\_\_

#### Drop Ball Test Results

(S=Stable U=Unstable)

Drop 1 Result	Sample Area #1	Sample Area #2	Sample Area #3
Ball did not sink in = Stable	S <input type="checkbox"/> U <input type="checkbox"/>	S <input type="checkbox"/> U <input type="checkbox"/>	S <input type="checkbox"/> U <input type="checkbox"/>
Ball is partially or fully surrounded by loose grains = Unstable	S <input type="checkbox"/> U <input type="checkbox"/>	S <input type="checkbox"/> U <input type="checkbox"/>	S <input type="checkbox"/> U <input type="checkbox"/>
Loose grains visible in the depression = Unstable	S <input type="checkbox"/> U <input type="checkbox"/>	S <input type="checkbox"/> U <input type="checkbox"/>	S <input type="checkbox"/> U <input type="checkbox"/>
Drop 2 Result	Sample Area #1	Sample Area #2	Sample Area #3
Ball did not sink in = Stable	S <input type="checkbox"/> U <input type="checkbox"/>	S <input type="checkbox"/> U <input type="checkbox"/>	S <input type="checkbox"/> U <input type="checkbox"/>
Ball is partially or fully surrounded by loose grains = Unstable	S <input type="checkbox"/> U <input type="checkbox"/>	S <input type="checkbox"/> U <input type="checkbox"/>	S <input type="checkbox"/> U <input type="checkbox"/>
Loose grains visible in the depression = Unstable	S <input type="checkbox"/> U <input type="checkbox"/>	S <input type="checkbox"/> U <input type="checkbox"/>	S <input type="checkbox"/> U <input type="checkbox"/>
Drop 3 Result	Sample Area #1	Sample Area #2	Sample Area #3
Ball did not sink in = Stable	S <input type="checkbox"/> U <input type="checkbox"/>	S <input type="checkbox"/> U <input type="checkbox"/>	S <input type="checkbox"/> U <input type="checkbox"/>
Ball is partially or fully surrounded by loose grains = Unstable	S <input type="checkbox"/> U <input type="checkbox"/>	S <input type="checkbox"/> U <input type="checkbox"/>	S <input type="checkbox"/> U <input type="checkbox"/>
Loose grains visible in the depression = Unstable	S <input type="checkbox"/> U <input type="checkbox"/>	S <input type="checkbox"/> U <input type="checkbox"/>	S <input type="checkbox"/> U <input type="checkbox"/>

#### Compliance Analysis

Compliance Analysis	Sample Area #1	Sample Area #2	Sample Area #3
Do at least 2 out of 3 drops for each sample area show a stable surface?	Y <input type="checkbox"/> N <input type="checkbox"/>	Y <input type="checkbox"/> N <input type="checkbox"/>	Y <input type="checkbox"/> N <input type="checkbox"/>
Did you check Yes in each sample area of the above row? Y <input type="checkbox"/> N <input type="checkbox"/> (If Yes the area is stable. If No additional stabilization must be conducted)			

#### Test Observer/Conductor Information

Your signature on this form attest that you conducted the test in accordance with the testing methods outlined in §4-9-320.B.1 which can also be found on the back of this form.

Print Name:	Title:	Company:
Signature:	Date:	

## Drop Ball Test Method

1. Visible Crust Determination [- The "Drop Ball Test"].
  - a. *[Appropriate Testing Conditions]* Where a visible crust exists, drop a steel ball with a diameter of 15.9 millimeters (0.625 inches) and a mass ranging from 16-17 grams (0.56-0.60 ounce) from a distance of **30 centimeters (one foot)** directly above (at a 90° angle perpendicular to) the soil surface. If blowsand is present, clear the blowsand from the surfaces on which Drop Ball Test is conducted. Blowsand is defined as thin deposits of loose uncombined grains covering less than 50% of a vacant lot which have not originated from the representative vacant lot surface being tested. If material covers a visible crust, which is not blowsand, apply the Threshold Friction Velocity determination of §B.2 of this rule to the loose material to determine whether the surface is stabilized.
  - b. *[Definition of Sufficient Crust]* A sufficient crust is defined under the following conditions: once a ball has been dropped according to the Appropriate Testing Conditions of §B.1.a, the ball does not sink into the surface, so that it is partially or fully surrounded by loose grains and, upon removing the ball, the surface upon which it fell has not been pulverized, so that loose grains are visible.
  - c. *[Characterization of Crust Across Entire Site]* Drop the ball three times within a survey area that measures 1 foot by 1 foot and that represents a random portion of the overall disturbed conditions at the site. The survey area shall be considered to have passed the Visible Crust Determination Test if at least two out of the three times that the ball was dropped, the results met the Definition of Sufficient Crust in §B.1.b. Select at least two other survey areas that represent a random portion of the overall disturbed conditions of the site, and repeat this procedure. If the results meet the Definition of Sufficient Crust in §B.1.b for all of the survey areas tested, then the site shall be considered to have passed the Visible Crust Determination Test and shall be considered sufficiently crusted.
  - d. *[Characterization of Crust Across Entire Site]* At any given site, the existence of a sufficient crust covering one portion of the site may not represent the existence or protectiveness of a crust on another portion of the site. Repeat the visible crust test as often as necessary on each random portion of the overall conditions of the site for an accurate measurement.