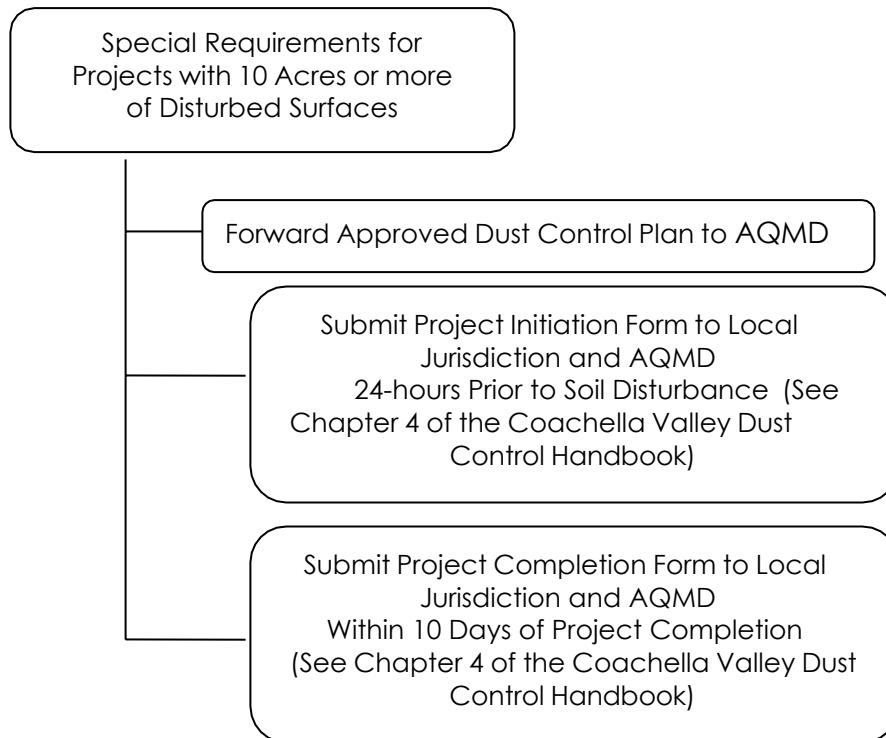


SUMMARY FLOWCHART FOR CONSTRUCTION ACTIVITY REQUIREMENTS

The following is a summary checklist and flowchart for the construction activity dust control ordinance requirements. Project operators, Fugitive Dust Control / PM-10 Plan reviewers, and code enforcement personnel can use this to ensure that all dust control ordinance requirements are met throughout the construction process. Additional information on specific requirements is included in the referenced Handbook Chapters.

- Implement Coachella Valley BACM for all sources (Coachella Valley Dust Control Handbook Chapter 2)
- All Sites requiring a grading permit, or that involve more than 5,000 square feet of soil disturbance, or import/export more than 100 cubic yards of material per day must prepare and have a Fugitive Dust Control / PM-10 Plan approved by the permitting authority (Coachella Valley Dust Control Handbook Chapter 3)



- Install construction project signage (Coachella Valley Dust Control Handbook Chapter 5)
- Maintain daily dust control log and chemical stabilization recordkeeping (Coachella Valley Dust Control Handbook Chapter 6)
- Ensure compliance with applicable test methods (Coachella Valley Dust Control Handbook Chapter 8)

SUMMARY OF DUST CONTROL ORDINANCE REQUIREMENTS

The Coachella Valley dust control ordinances require local government approval of a Fugitive Dust Control Plan prior to:

- o Issuance of a grading permit.
- o Issuance of a building permit for projects with 5,000 or more square feet of soil disturbance.
- o Issuance of permits for projects that import or export more than 100 cubic feet of bulk material per day.

The Fugitive Dust Control / PM-10 Plan Requirements consist of two elements:

- (1) Fugitive Dust Control / PM-10 Plan Application (Form A);

and

- (2) Fugitive Dust Control / PM-10 Plan (Form DCP or equivalent for projects with less than 10 acres of disturbed surfaces or a Site- Specific Fugitive Dust Control Plan for projects with 10 or more acres of disturbed surfaces)

The following guidance has been prepared for construction project operators to facilitate preparation of consistent Fugitive Dust Control / PM-10 Plans throughout the Valley.

FUGITIVE DUST CONTROL / PM-10 PLAN APPLICATION FORM

The following instructions have been prepared to assist project operators in preparing a Fugitive Dust Control / PM-10 Plan application (form A) for construction activities. Submitting a complete application is essential in expediting the process, so please read and follow the instructions carefully.

In addition to the Fugitive Dust Control / PM-10 Plan application (form A), construction activities are required to prepare a Fugitive Dust Control / PM-10 Plan.

Guidance for preparing Fugitive Dust Control / PM-10 Plans for smaller projects (less than 10 acres of distributed surfaces) and larger projects (10 acres or more of disturbed surfaced) is also included in this Chapter.



City of Desert Hot Springs

11999 Palm Drive • Desert Hot Springs, CA 92240
www.cityofdhs.org • 760-329-6411 • Fax: 760-288-0639

FUGITIVE DUST CONTROL / PM-10 PLAN

Owner/Developer Name	
Project Name	
Tentative Map No.	

Prepared For:	
Developer Name	
Developer Address	
Contact Name	
Telephone Number	
E-Mail Address	

Prepared By:	
Engineer Name	
Engineer Address	
Contact Name	
Telephone Number	
E-Mail Address	

Date	
------	--

Approved By (please sign)	
Date	

I accept all the provisions of this plan and the City of Desert Hot Springs City Ordinances pertaining to PM-10 Dust Control and shall be subject to fines, penalties, and revocation of permits if I fail to comply with these rules and Ordinances as approved here-in:

Developer/Owner (please sign)	
Date	

Developer/Owner (please sign)	
Date	

Fugitive Dust Control Plan Application Form
(Form A – Page 1 of 3)

This is a fillable form. Please type or print if you are not able to digitally complete. Blank spaces must be completed for the application to be processed. If an item is not applicable, please enter N/A.

1. Form Preparer:

Property Owner

Developer

Prime Contractor

Other (if other, attach Owner Designee Form OD)

Contact Person Name	
Company Name	
Company Address	
Telephone Number	
Facsimile Number	
E-Mail Address	
24 Hour, manned after hours phone number	
AQMD Dust Class Certificate #	

2. Project Address or Location

Project Name	
Project Address	
Nearest Major Cross Streets	
Tract/Parcel and Lot Numbers	

3. Project Acreage (total land to be disturbed)
(include project site and associated unpaved access roads, stockpiles and staging areas)

Project Size (Acres)	
Water Source (GPM)	Source from Mission Springs Water District

Fugitive Dust Control Plan Application Form
(Form A – Page 2 of 3)

4. Project Owner (if Fugitive Dust Control Plan Preparer is not the property owner)

Name	
Company Name (if applicable)	
Company Address	
Telephone Number	
Facsimile Number	
E-Mail Address	

5. The Person(s) responsible for Dust Control measures and to whom official notices should be sent if necessary

Responsible Person	
Company Name	
Company Address	
Telephone Number	
Facsimile Number	
E-Mail Address	
24 Hour, manned after hours phone number	
AQMD Dust Class Certificate #	

6. On-Site Superintendent/Supervisor/Foreman contact

Name	
Company Name	
Company Address	
Telephone Number	
Facsimile Number	
E-Mail Address	
24 Hour, manned after hours phone number	
AQMD Dust Class Certificate #	

Fugitive Dust Control Plan Application Form
(Form A – Page 3 of 3)

7. Site Mapping

Provide a map showing the vicinity of the project clearly identifying the closest major cross streets or other landmarks and the project location. Label this map "Vicinity Map". Required map size 8 1/2 by 11".

Provide an 8 1/2" by 11" or larger Assessor Parcel Map for the property(s) on which the project will be occurring. Outline or highlight the affected parcels.

Identify location of site entrances, internal unpaved haul routes, wind fencing, areas to be chemically stabilized and other proposed and required dust control mitigations. Projects that are only installing or constructing linear features such as roads, pipelines or other utilities that border or cross more than one Assessor's parcel do not require Assessor's Parcel Maps but must provide a detailed vicinity map adequately depicting the entire project area. If the project is divided into construction phases (separate physical project areas), provided a map clearly identifying the phases.

8. Attach a Fugitive Dust Control Plan

- ✓ **Projects** with less than 10 acres of disturbed surfaces must complete and attach a Fugitive Dust Control Plan (form DCP) or equivalent.
- ✓ **Projects** with 10 acres or more of disturbed surfaces must complete and attach a Site-Specific Fugitive Dust Control Plan. Guidance for preparation of a Site-Specific Fugitive Dust Control Plan is included later in this Chapter.

9. Project notifications

For projects with 10 acres or more of disturbed surfaces, the dust control ordinance requires notification to the local permitting authority and to the AQMD prior to project initiation and at project completion. (Refer to Chapter 4 of the Coachella Valley Dust Control Handbook for specific requirement and forms).

10. Project Signage

Construction signage must be installed on-site prior to construction. Guidelines for construction signage are found in Chapter 5 of the Coachella Valley Dust Control Handbook.

11. Owner Agreement

The signatory on this application constitutes an agreement by the owner to be the person with authority to enforce compliance by all contractors and subcontractors of the Dust Control Ordinance, Fugitive Dust Control Plan conditions, and any supplements identified by the permitting authority. Once approved, this application is incorporated by reference and becomes a part of the approved site grading plan.

Owner's Signature (please sign)	
Date	
Printed Name	
Title and Company	
AQMD Coachella Valley Fugitive Dust Control Class Certificate #	

Ownership Designee Form
(Form OD)

An owner's designee form is required if a Fugitive Dust Control Plan is not prepared/implemented by the property owner, developer or prime contractor.

Project Information (please enter information below)	
Designee's Name	
Company Name	
Company Address	
Phone Number	
After-Hours Phone Number	
AQMD Dust Class Certificate #	

Property Owner Information (please enter information below)	
Property Owner's Name	
Address	
Phone Number	
24 Hour, manned after hours phone number	
AQMD Dust Class Certificate #	

OWNER STATEMENT

I hereby authorize the person listed as my designee to act on my behalf in all matters regarding the issuance and requirements of the Fugitive Dust Control Plan for construction activities. The designee is responsible for project duration. The designee has successfully completed the AQMD Coachella Valley Fugitive Dust Control Class. Furthermore, the designee is responsible for ensuring the contractor(s), subcontractor(s), and all other persons associated with the project are in compliance with the approved Fugitive Dust Control Plan, dust control ordinance requirements, and AQMD regulations.

Owner's Signature (please sign)	
Date	
Printed Name	

FUGITIVE DUST CONTROL / PM-10 PLAN PREPARATION GUIDANCE FOR LARGER
CONSTRUCTION PROJECTS
(10 ACRES OR LARGER)

In addition to the Fugitive Dust Control Plan application (Form A), the dust Control ordinance requires a City (County) approved Site-Specific Fugitive Dust Control Plan for projects with 10 acres or more of disturbed surfaces. The following guidance has been prepared to describe the required Elements of a Site-Specific Fugitive Dust Control Plan. Remember: two copies of the Site-Specific Fugitive Dust Control Plan must be forwarded by the operator to the AQMD in an 8 ½ x 11 formats, using the supplied form within 10 days after approval by the permitting authority. Please submit copies of approved Site-Specific Fugitive Dust Control Plans to:

Patrick Hotra
Senior Staff Specialist
South Coast AQMD
21865 East Copley Drive
Diamond Bar, CA 91765
(909) 396-2995
(909) 396-2608 [Facsimile]
photra@aqmd.gov

Project Description	
Water Source Identification	The primary source of water will be from Mission Springs Water District.

Coachella Valley Best Available Control Measures:

This section includes a description of the primary dust control measures selected for each source at the project site (e.g., No. 1-Earth-Movement, No. 2 – Unpaved Roads, etc.) based on the list of CV BACM included. This section also has a description of the fugitive dust control measures to be implemented during non-working hours.

Control Measures Guidance:

Suggested minimum standards for a Site-Specific Fugitive Dust Control Plan are presented below. The project grading plans must include a statement that incorporates the Site-Specific Fugitive Dust Control Plan into the approved grading plan.

*****Please Note: The following sections have specific examples for projects and may need to be modified as necessary to address specific project sites and regulatory guidelines pertaining to individual projects*****

No. 1 EARTH - MOVEMENT

Project Phasing:

In accordance with the projects conditions of approval, the project site will be phased into XX (XX) separate phases.

Pre-Watering:

Prior to initiating activity, the site will be pre-watered through use of portable irrigation lines. The project site will be pre-watered at least 72 hours for each area prior to initiating earth-movement.

Watering During Earth-Movement Activities:

Water will be applied continuously to all disturbed portions of the site by means of water truck/water pull as necessary to maintain sufficient visible moisture on the soil surface. For reference, (XX) 2,000gallon water truck(s) can treat approximately 4 acres of active construction per hour during non-high-wind conditions. Also, for cut and fill activities, one 10,000-gallon water pull is estimated to be necessary for each 7,000 cubic yards of daily earth-movement. Multiple 4,000-gallon water trucks may be used in place of one 10,000-gallon water pull. Touch and visual contrast are reasonably good indicators of soil moisture. Surface areas that are dry to the touch and appear lighter colored require the application of additional water to prevent fugitive dust.

The subject project will be disturbing (XX) acres at a time, therefore requiring a minimum of three (X) water pulls. Each (XXXX) gallon water pull can deliver (XX) gallons per hour, producing (XX) acres of coverage per hour. The water pulls will also be available for after hour's operations. An additional two water trucks will be on-site as back-up watering devices. Water towers will be utilized to fill these trucks in an efficient manner.

Perimeter Controls:

Wind fencing will be utilized between the project site and nearby properties for construction projects. Off-site upwind fencing and on-site wind fencing for the subject project will also aid blowsand from being deposited onto the site or traveling through the side.

Site Stabilization:

Chemical dust suppressants will be applied in accordance with the manufacturer's specifications and in sufficient concentrations and frequency to ensure compliance with the applicable test methods. Recordkeeping will be required and will demonstrate program compliance. Wind fencing or other obstructions will be utilized to keep areas previously treated with dust control suppressants free and clear from future disturbances.

Vegetation can be a cost-effective alternative to chemical stabilization for areas that will remain inactive for long periods. Wind fencing or other obstructions will be utilized to keep areas previously treated with dust control suppressants free and clear from future disturbances.

Specific Dust Control Ordinance Requirements:

The dust control ordinance includes the following short-term and long-term stabilization requirements:

Short-term stabilization (after-hours/weekends) options include maintaining soils in a damp condition, watering to develop a surface crust, use of chemical stabilization products, or dilute mixture of soil stabilizers.

Contingency Measures:

In the event that the necessary amount of water trucks do not adequately water the project area, additional water trucks will be implemented to handle the added demand.

If additional problems occur, construction activity will be limited to minimize ground disturbance, a soil stabilizer will be used in accordance with the manufacturer's recommendations and fencing will be utilized to eliminate fugitive dust.

No. 2 - UNPAVED ROAD TRAVEL

Surface Improvements:

Paving of the internal roadway network will be promoted early in the project's development phase. This will also be advantageous to the Developer to possibly reduce the volume of chemical dust suppressant and eliminate costly reapplication costs.

Periodic Street cleaning will be provided throughout project and perimeter street to ensure compliance with the dust control ordinance track-out requirements and reduce entrained road dust.

Application of gravel/aggregate base or other material with a lower silt content than the underlying soils may be utilized as an interim condition to reduce surface disturbance and minimize dust control.

Surface Treatments:

Chemical dust suppressants designed by various manufactures may be used for problematic traffic areas and applied in accordance with manufacturer's specifications and in sufficient concentrations and frequency to ensure compliance with the applicable test methods once final roadway elevations have been reached. Limiting/restricting access to non-road areas will also reduce the need to retreat areas previously stabilized.

Consistent watering of unpaved roads will be the initial method of choice watering haul routes and equipment paths. Due to the high evaporation rate, the subject project may utilize a chemical dust suppressant for a longer-term control. (U.S. EPA studies have documented a 50 percent reduction in PM10 emissions under a water application rate of 0.2 gallons per square yard per hour).

Source Extent Reduction:

Unpaved road emissions are a function of the number of vehicles traversing the area and the vehicle speeds. The subject project will aim to reduce the trips traveled on site and post construction site speed limit signs that will be enforced by the project superintendent and a junior superintendent specifically assigned to this task. This may reduce the volume to fugitive dust emissions and the amount of surface treatments. Frequent watering or application of chemical stabilizers would likely be required in addition to the source extent measures to ensure that the applicable performance standards are met.

Contingency Measures:

The project will utilize water pulls to disperse adequate water to limit the amount of fugitive dust. Speed limit signs will also be posted to limit the velocity of all construction traffic.

Construction traffic will be limited specific haul roads throughout the necessary phase of construction. In the event that these primary devices appear to not add adequate dust control, a chemical surface treatment will be applied per the manufacture's recommendations.

No. 3 - STORAGE PILES/BULK MATERIAL HANDLING

Wind Sheltering:

Wind barriers will be installed around project stockpiles with no more than 50 percent porosity on three sides of the pile, such that the barrier is equal to or greater than the pile height.

Coverings may be used on smaller storage piles to prevent windblown dust. Any covering must be secured to ensure that it remains in place and effective.

Storage Pile Stabilization:

Water will be applied continuously to all disturbed portions of the storage piles by means of water truck or sprinkler system as necessary to maintain sufficient visible moisture on the pile surface. Chemical dust suppressants may be utilized as a control measure for storage piles with infrequent disturbances. Any product used shall be applied in accordance with the manufacturer's specifications and in sufficient concentrations and frequency to ensure compliance with the applicable test methods. Record keeping will be necessary to demonstrate compliance.

Vegetation can also be used to stabilize storage piles that will remain inactive for long periods of time. Wind fencing or other obstructions can keep the vegetated area free from future disturbances.

Material Handling:

Confining load-in/load-out of material to the leeward (downwind) side of the pile may reduce wind erosion of storage piles. This control measure will be implemented in conjunction with other control measures to achieve the applicable performance standards.

Stockpiles within 100 yards of occupied buildings shall not be greater than eight feet in height.

Stockpiles greater than eight feet in height and not covered must have a road bladed to the top to allow water truck access or must have an operational water irrigation system that is capable of complete stockpile coverage.

Contingency Measures:

The (Project Name) project will utilize water pulls to properly disperse adequate volumes of water on stockpiles to minimize fugitive dust. A perimeter screen fence will be installed when necessary to block wind around stored material.

In the event that the above-mentioned device is not properly discouraging dust, a chemical surface treatment will be applied per the manufacturer's recommendations.

No. 4 - VEHICULAR TRACK-OUT, HAULING, CLEANUP

Track-Out Prevention:

Construction site accesses are to be improved with paving or gravel. If the project site is not balanced (e.g., off-site material transport) a wheel washing system and/or ribbed steel plates shall be placed in the inbound/outbound roadway before the vehicle enters the paved/graveled area to clean the tires and prevent track-out.

Covering haul vehicles or utilizing bed liners may be used to prevent material from being lofted out of the vehicle or from falling out of the bottom of the vehicle.

Specific Dust Control Ordinance Requirements:

A Gravel pad consisting of minimum one inch or larger washed gravel maintained to a depth of six inches at least 50 feet long and 30 feet wide. A metal "rumble grate" shall be installed at the inbound/outbound entrance in order to minimize track-out. The "rumble gate" shall be immediately adjacent to the entrance.

The device shall be properly installed and maintained throughout the duration of construction activity.

Track-Out Mitigation:

Street sweeping may be an effective mitigation measure if material is traced out onto paved roads surrounding the site. Efforts to prevent material track-out will ultimately reduce sweeping costs.

Contingency Measures:

In the event that the aggregate base track-out device does not appear to properly maintain track-out, a street sweeper will be initiated to clean all surface streets.

At this time investigation into a more elaborate track-out reduction device will be initiated.

No. 5 - DISTURBED SURFANCES/INACTIVE SITES

During Dust Generating Activities:

Water will be applied continuously to all disturbed portions of the site by means of water truck/water pull as necessary to maintain sufficient visible moisture on the soil surface. For reference, one (XXXX) gallon water truck can treat approximately (XX) acres of active construction per hour during non-high wind conditions. Also, for cut and fill activities, one (XXXX) gallon water pull is estimated to be necessary for each (XXXX) cubic yards of daily earth-movement. Multiple (XXXX) gallon water trucks may be used in place of one (XXXX) gallon water pull. Touch and visual contrast are reasonably good indicators of soil moisture. Surface areas that are dry to the touch and appear lighter colored require the application of additional water to prevent fugitive dust. The subject project will be disturbing (XX) acres at a time, therefore requiring a minimum of three (X) water pulls. Each (XXXX) gallon water pull can deliver (XXXX) gallons per hour, producing (XX) acres of coverage per hour. The water pulls will also be available for after hour's operations. An additional (XX) water trucks will be on-site as back-up watering devices.

Perimeter Controls:

Wind fencing will be utilized between the project site and nearby residences or construction projects. Off-site upwind fencing and on-site wind fencing for the subject project will also aid blowsand from being deposited onto the site or traveling through the site.

The project will utilize the projects block walls in lieu of perimeter wind fencing.

Temporary Stabilization During Weekends, After Work Hours, Holidays:

Pending on site soil types, water may be used to either maintain soils in a damp condition or to develop a surface crust.

Chemical dust suppressants, diluted in accordance with the manufacturer's **specifications** for short-term stabilization may be an effective technique for areas that will be subject to future disturbances.

Access Restriction:

Fencing or other obstructions may keep the stabilized area free from future disturbances and thereby possibly reduce the potential for windblown dust.

Specific Dust Control Ordinance Requirements:

The dust control ordinance includes the following short-term (weekend, after hour, and holiday) stabilization requirements:

- Maintain soils in a damp condition
- Water soil to develop a surface crust, or
- Use a chemical stabilization product

Long Term Stabilization:

Chemical dust suppressant applied in accordance with the manufacturer's specifications and in sufficient concentrations and frequency may ensure compliance with the applicable test methods. This may be an effective long-term stabilization technique. Record keeping is necessary to demonstrate compliance. Portable irrigation is necessary to ensure adequate site coverage. Wind fencing or other obstructions may keep areas previously treated with dust control suppressants free from future disturbances.

Specific Dust Control Ordinance Requirements:

The dust control ordinance includes the following long-term stabilization requirement (required within 10 days of ceasing activity for sites with no planned activity for at least 30 days):

- Vegetation with an active water system or
- Application of chemical dust suppressants with physical access restrictions surrounding the disturbed surface.

Contingency Measures:

The project will utilize water tanks/pulls to disperse adequate water to limit the amount of fugitive dust. Construction traffic will be limited to specific project area by utilizing various fencing or object to discourage entering.

In the event that these primary devices appear to not add adequate dust control, a chemical surface treatment will be applied per the manufacturer's recommendations.

No. 6 - UNPAVED PARKING LOTS

Areas Subject to Frequent Disturbances:

Equipment staging areas are to be treated with at least one-inch washed gravel maintained to a depth of four inches or treated with chemical dust suppressants designed by the manufacturer for traffic areas and applied in accordance with the manufacturer's specifications and in sufficient concentrations and frequency to ensure compliance with the applicable test methods.

Employee parking areas are to be covered with at least one-inch washed gravel maintained to a depth of four inches or treated with chemical dust suppressants designed by the manufacturer for traffic areas and applied in accordance with the manufacturer's specifications and in sufficient concentrations and frequency to ensure compliance with the applicable test methods. If an internal roadway network is paved, employees are to be instructed to park only on paved areas.

Contingency Measures:

In the event that aggregate base placed on the staging area and employee parking does not properly work correctly, water pulls will disperse adequate water over the subject area timed throughout the day to minimize fugitive dust or a chemical dust suppressant designed will be applied in accordance with the manufacturer's specifications and in sufficient concentrations and frequency to ensure compliance with the applicable test methods.

No. 7 - EMPLOYEE TRAINING:

Employee Dust Control Training and Compliance:

This section describes how on-site personnel will ensure that the project remains in compliance with the Site-Specific Fugitive Dust Control Plan. This section includes a statement of authority and training of personnel that will allow the attainment of this goal.

Specific Dust Control Ordinance Requirements:

The dust control ordinance requires that any Fugitive Dust Control Plan preparer, environmental observer and at least one representative of any on-site general contractor or subcontractor involved in soil disturbance activities complete the AQMD Coachella Valley Fugitive Dust Control Class and maintain a current valid certificate of completion.

Environmental Observer:

The dust control ordinance requires an environmental observer for projects with greater than or equal to 50 acres of disturbed surfaces. The environmental observer must have completed the AQMD Coachella Valley Fugitive Dust Control Class and have dust control as the primary responsibility with the authority to immediately employ additional dust control efforts.

DUST CONTROL PLAN TEMPLATE

All the elements listed in the preceding pages must be included in the Site-Specific Fugitive Dust Control Plan. Additionally, use of an 8 ½" x 11" stand along Site-Specific Fugitive Dust Control Plan is required regardless of if the information is included on an approved grading plan.

SITE SPECIFIC FUGITIVE DUST CONTROL PLAN*
(SITES 10 ACRES OR GREATER)

Site Description:

Please ensure that Fugitive Dust Control Plan Application (form A) is completed and attached to the Site-Specific Fugitive Dust Control Plan.

Project Description:

No.	Description of Source(s) - Please provide best estimates	
1	Earth-Moving	(if not applicable, check here)
	Maximum cubic yards of earth-movement	
	Per Month OR	
	Per Year	
	Anticipated start date	
	Anticipated end date	
	Amount of export	

No.	Description of Source(s) - Please provide best estimates	
2	Unpaved Roads	(if not applicable, check here)
	Mileage	
	Estimate of average daily traffic levels	
	Type of motor vehicles using roads	

No.	Description of Source(s) - Please provide best estimates	
3	Storage Piles/Bulk Material Handling	(if not applicable, check here)
	Maximum number of piles	
	Average height (length and width)	
	Configuration (cone, window, other - specify)	

No.	Description of Source(s) - Please provide best estimates	
4	Vehicular Track-Out/Clean-Up	(if not applicable, check here)
	Number of access points which connect to public roads	
	Estimate of the maximum number of vehicles that will exit the site	

No.	Description of Source(s) - Please provide best estimates	
5	Disturbed Surface Areas	(if not applicable, check here)
	Maximum acreage	
	Will any disturbed surface areas remain inactive for at least 10 days (answer Yes or No)	

No.	Description of Source(s) - Please provide best estimates	
6	Unpaid Parking Lots	(if not applicable, check here)
	Number of unpaved lots at this site	
	Size of each lot	

Soil Types:

The soils encountered on the project site during sub-surface exploration were generally loose to medium dense sand and silty sand characterized as slightly moist becoming very moist to wet the depths excavated.

Dust Control Budget:

Estimate of project dust control budget	
Water Truck (3 minimum on site)	
Soil Stabilizers	
Track Out Devices	

Water Source Identification:

Water source (gpm)	Mission Springs Water District
Back-up water source	

No. 1 - EARTH MOVEMENT

Coachella Valley Best Available Control Measures:

In the space provided below, please check and describe your dust control measures:

Control Measure	Control Action	
Pre-grading	Number of acres to be graded at one time	
Planning	Number of parcels to be phase-graded	
Watering (pre-grading)	Number of water trucks	
	Frequency of application	
	Sprinkler/hose system	
	Describe	
Watering (during grading)	Number of water trucks	
	Frequency of application	
	Sprinkler/hose system	
	Describe	
Watering (post grading)	Number of water trucks	
	Frequency of application	
	Sprinkler/hose system	
	Describe	

Control Measure	Control Action	
Wind Fencing	Maximum height	
	Location	
	Describe	
Chemical Stabilization	Type of product	
	Frequency of application	
	Concentration	
Cover haul Vehicle/Bedliners in Haul Vehicles	Operator of haul vehicles if other than site owner	
Other (specify)		
Contingency Measure(s)		

If necessary, attach additional information

Additional back-up water trucks will be kept on-site and an adequate supply of soil stabilizers will be kept on site and ready for immediate application if necessary.

No. 2 - UNPAVED ROAD TRAVEL*

Coachella Valley Best Available Control Measures:

In the space provided below, please check and describe your dust control measures:

Control Measure	Control Action	
Paving	Frequency of street sweeping	
	Describe	
Gravel	Depth of gravel	
	Describe	

Control Measure	Control Action	
Chemical Stabilization	Type of product	
	Frequency of application	
	Concentration	
	Describe	
Watering	Frequency of application	
	Describe	
Reduce Speed	Maximum speed limit	
	How are speeds controlled:	
	Post signs	
	Briefings to workers	
Trip Reduction	Describe how achieved	
Other (specify)		
Contingency Measure(s)		

If necessary, attach additional information.

***All unpaved haul roads and parking areas must be identified on the Dust Control Plan site map and all vehicles shall only use established haul routes and parking areas.**

No. 3 - STORAGE PILES/BULK MATERIAL HANDLING

Coachella Valley Best Available Control Measures:

In the space provided below, please check and describe your dust control measures:

Control Measure	Control Action	
Wind Sheltering	Maximum height	
	Location	
	Describe	
Coverings	Types of coverings	
	Describe	

Control Measure	Control Action	
Watering	Method of application	
	Frequency of application	
	Describe	
Chemical Stabilization	Type of product	
	Frequency of application	
	Concentration	
	Describe	
Vegetation		
Loadin/Loadout	Orientation of loadin/loadout procedures	
	Describe	
Contingency Measure(s)		

If necessary, attach additional information.

No. 4 - VEHICULAR TRACK-OUT, HAULING, CLEAN-UP

Note: If track-out, spillage, or carry-out extends more than 25 feet along a paved public roadway, finalize clean-up activities within one hour. Also remove any track-out spillage or carry-out at the conclusion of the workday.

Coachella Valley Best Available Control Measures:

In the space provided below, please check and describe your dust control measures:

Control Measure	Control Action	
Gravel Pads	Location	
	Size (minimum dimensions: 1" or larger washed gravel, maintained at 6" depth, 50' long x 30' wide)	
	Location	
Paving	Locations	
	Describe	

Control Measure	Control Action	
Track-Out Device Type of Device Wheel Washers	Location	
	Describe	
Cover haul Vehicle/Bedliners in Haul Vehicles	Operator of haul vehicles if other than site owner	
Sweep/Clean Roadways	Frequency	
	Type of equipment	
	Describe	
Other (specify)		
Contingency Measure(s)		

If necessary, attach additional information.

No. 5 - DISTURBED SURFACES/INACTIVE SITES

Coachella Valley Best Available Control Measures:

In the space provided below, please check and describe your dust control measures:

During Dust Generating Activities

Control Measure	Control Action	
Watering	Method of Application	
	Frequency	
	Describe	
Wind Fencing	Location	
	Height	
	Describe	
Site Access	Method of vehicle registration	

Control Measure	Control Action	
Chemical Stabilization	Type of product	
	Frequency of application	
	Concentration	
	Describe	
Vegetation	Location	
	Plant type	
	Describe	

Temporary Stabilization During Weekends, After Hours and on Holidays

Control Measure	Control Action	
Watering	Method of Application	
	Frequency	
	Describe	
Chemical Stabilization	Type of product	
	Frequency of application	
	Concentration	
	Describe	
Site Access	Method of vehicle restriction	

Long Term Stabilization:

Control Measure	Control Action	
Chemical Stabilization	Type of product	
	Frequency of application	
	Concentration	
	Describe	
Wind Fencing	Location	
	Height	
	Describe	

Control Measure	Control Action
Other (specify)	
Contingency Measure(s)	

If necessary, attach additional information.

NOTIFICATION FORMS

Summary of Dust Control Ordinance Requirements:

The dust control ordinance requires the project operator for sites with 10 acres or more of soil disturbance to notify the local permitting authority and AQMD at the following construction phases:

Project Initiation Phase:

Project Initiation Form must be submitted to local permitting authority and AQMD at least 24 – hours prior to conducting earth-movement activities

Project Completion Phase:

Project Completion Form must be submitted to local permitting authority and AQMD within 10 days of establishment of final elevations or at the conclusion of the finished grading inspection.

The following sample forms have been prepared to assist project operators in complying with these requirements. Once complete, the AQMD contact where forms can be directed to is:

Patrick Hotra
 Senior Staff Specialist
 South Coast Air Quality Management District
 21865 East Copley Drive
 Diamond Bar, CA 91765
 (909) 396-2608 [Facsimile]
photra@aqmd.gov

Questions on submittal of the forms can be directed to Phil Hubbard at (909) 396-2966.

FUGITIVE DUST CONTROL PLAN
For Projects < 10 acres (Form DCP, Page 1 of 5)

Project Name	
Permit Number (if applicable)	
Owner Name	
Anticipated Start Date	
Anticipated Completion Date	
Water Source	
No. Water Trucks	
No. Water Towers	
Total Earth-Movement (cubic yards)	

Note: Complete entire form by completing the top portion and printing/checking applicable boxes. Write "N/A" over box if not applicable.

Project Phases

Source Category	Clearing, Grubbing, & Mass Grading <i>(Describe Control Actions)</i>	Finish Grading <i>(Describe Control Actions)</i>	Site Construction <i>(Describe Control Actions)</i>
Backfilling	Stabilize backfill material: <input type="checkbox"/> 01-1 when not actively handling; <input type="checkbox"/> 01-2 during handling; <input type="checkbox"/> 01-3 at completion of activity.	Stabilize backfill material: <input type="checkbox"/> 01-1 when not actively handling; & <input type="checkbox"/> 01-2 during handling; & <input type="checkbox"/> 01-3 at completion of activity.	Stabilize backfill material: <input type="checkbox"/> 01-1 when not actively handling; & <input type="checkbox"/> 01-2 during handling; & <input type="checkbox"/> 01-3 at completion of activity.
Clearing and Grubbing	<input type="checkbox"/> 02-1 Maintain soil stability by pre-watering of site prior to activities; <input type="checkbox"/> 02-2 Stabilize soil during activities; <input type="checkbox"/> 02-3 Stabilize soil immediately after activities.	<input type="checkbox"/> 02-1 Maintain soil stability by pre-watering of site prior to activities; <input type="checkbox"/> 02-2 Stabilize soil during activities; <input type="checkbox"/> 02-3 Stabilize soil immediately after activities.	<input type="checkbox"/> 02-1 Maintain soil stability by pre-watering of site prior to activities; <input type="checkbox"/> 02-2 Stabilize soil during activities; <input type="checkbox"/> 02-3 Stabilize soil immediately after activities.
Clearing Forms	<input type="checkbox"/> 03-1 water spray to clear forms; or <input type="checkbox"/> 03-2 sweeping and water spray to clear forms; or <input type="checkbox"/> 03-3 vacuum system to clear forms.	<input type="checkbox"/> 03-1 water spray to clear forms; or <input type="checkbox"/> 03-2 sweeping and water spray to clear forms; or <input type="checkbox"/> 03-3 vacuum system to clear forms.	<input type="checkbox"/> 03-1 water spray to clear forms; or <input type="checkbox"/> 03-2 sweeping and water spray to clear forms; or <input type="checkbox"/> 03-3 vacuum system to clear forms.
Crushing	<input type="checkbox"/> 04-1 Stabilize surface soils prior to operation of support equip. <input type="checkbox"/> 04-2 Stabilize mater. after crushing.	<input type="checkbox"/> 04-1 Stabilize surface soils prior to operation of support equip. <input type="checkbox"/> 04-2 Stabilize mater. after crushing.	<input type="checkbox"/> 04-1 Stabilize surface soils prior to operation of support equip. <input type="checkbox"/> 04-2 Stabilize mater. after crushing.

FUGITIVE DUST CONTROL PLAN
For Projects < 10 acres (Form DCP, Page 2 of 5)

Project Phases

Source Category	Clearing, Grubbing, and Mass Grading <i>(Describe Control Actions)</i>	Finish Grading <i>(Describe Control Actions)</i>	Site Construction <i>(Describe Control Actions)</i>
Cut and Fill	<input type="checkbox"/> 05-1 Pre-water soils prior to cut and fill activities; and. <input type="checkbox"/> 05-2 Stabilize soil during and after cut and fill activities.	<input type="checkbox"/> 05-1 Pre-water soils prior to cut and fill activities; and. <input type="checkbox"/> 05-2 Stabilize soil during and after cut and fill activities.	<input type="checkbox"/> 05-1 Pre-water soils prior to cut and fill activities; and. <input type="checkbox"/> 05-2 Stabilize soil during and after cut and fill activities.
Demolition mechanical /manual	<input type="checkbox"/> 06-1 Stabilize wind erodible surfaces to prevent dust; and <input type="checkbox"/> 06-2 Stabilize surface soil where support equipment and vehicles will operate; and <input type="checkbox"/> 06-3 Stabilize loose soil and demolition debris; and <input type="checkbox"/> 06-4 Comply with AQMD Rule 1403.	<input type="checkbox"/> 06-1 Stabilize wind erodible surfaces to prevent dust; and <input type="checkbox"/> 06-2 Stabilize surface soil where support equipment and vehicles will operate; and <input type="checkbox"/> 06-3 Stabilize loose soil and demolition debris; and <input type="checkbox"/> 06-4 Comply with AQMD Rule 1403.	<input type="checkbox"/> 06-1 Stabilize wind erodible surfaces to prevent dust; and <input type="checkbox"/> 06-2 Stabilize surface soil where support equipment and vehicles will operate; and <input type="checkbox"/> 06-3 Stabilize loose soil and demolition debris; and <input type="checkbox"/> 06-4 Comply with AQMD Rule 1403.
Disturbed soil	<input type="checkbox"/> 07-1 Stabilize disturbed soil throughout the construction site; and <input type="checkbox"/> 07-2 Stabilize disturbed soil between structures	<input type="checkbox"/> 07-1 Stabilize disturbed soil throughout the construction site; and <input type="checkbox"/> 07-2 Stabilize disturbed soil between structures	<input type="checkbox"/> 07-1 Stabilize disturbed soil throughout the construction site; and <input type="checkbox"/> 07-2 Stabilize disturbed soil between structures
Earth-moving activities	<input type="checkbox"/> 08-1 Pre-apply water to depth of proposed cuts; and <input type="checkbox"/> 08-2 Re-apply water as necessary to maintain soils in a damp condition; and <input type="checkbox"/> 08-3 Stabilize soils once earth-moving activities are complete.	<input type="checkbox"/> 08-1 Pre-apply water to depth of proposed cuts; and <input type="checkbox"/> 08-2 Re-apply water as necessary to maintain soils in a damp condition; and <input type="checkbox"/> 08-3 Stabilize soils once earth-moving activities are complete.	<input type="checkbox"/> 08-1 Pre-apply water to depth of proposed cuts; and <input type="checkbox"/> 08-2 Re-apply water as necessary to maintain soils in a damp condition; and <input type="checkbox"/> 08-3 Stabilize soils once earth-moving activities are complete.
Importing/ exporting of bulk materials	<input type="checkbox"/> 09-1 Stabilize material while loading to prevent fugitive dust emissions; and <input type="checkbox"/> 09-2 Maintain at least six inches of freeboard on haul vehicles; and <input type="checkbox"/> 09-3 Limit vehicular speeds to 15 miles per hour while traveling on-site; and	<input type="checkbox"/> 09-1 Stabilize material while loading to prevent fugitive dust emissions; and <input type="checkbox"/> 09-2 Maintain at least six inches of freeboard on haul vehicles; and <input type="checkbox"/> 09-3 Limit vehicular speeds to 15 miles per hour while traveling on-site; and	<input type="checkbox"/> 09-1 Stabilize material while loading to prevent fugitive dust emissions; and <input type="checkbox"/> 09-2 Maintain at least six inches of freeboard on haul vehicles; and <input type="checkbox"/> 09-3 Limit vehicular speeds to 15 miles per hour while traveling on-site; and

FUGITIVE DUST CONTROL PLAN
For Projects < 10 acres (Form DCP, Page 3 of 5)

Project Phases

Source Category	Clearing, Grubbing, and Mass Grading <i>(Describe Control Actions)</i>	Finish Grading <i>(Describe Control Actions)</i>	Site Construction <i>(Describe Control Actions)</i>
Importing/ exporting of bulk materials (cont.)	<input type="checkbox"/> 09-4 Stabilize material while transporting to prevent fugitive dust emissions; and <input type="checkbox"/> 09-5 Stabilize material while unloading to prevent fugitive dust emissions; and <input type="checkbox"/> 09-6 Comply with Vehicle Code Section 23114.	<input type="checkbox"/> 09-4 Stabilize material while transporting to prevent fugitive dust emissions; and <input type="checkbox"/> 09-5 Stabilize material while unloading to prevent fugitive dust emissions; and <input type="checkbox"/> 09-6 Comply with Vehicle Code Section 23114.	<input type="checkbox"/> 09-4 Stabilize material while transporting to prevent fugitive dust emissions; and <input type="checkbox"/> 09-5 Stabilize material while unloading to prevent fugitive dust emissions; and <input type="checkbox"/> 09-6 Comply with Vehicle Code Section 23114.
Landscap- ing	<input type="checkbox"/> 10-1 Stabilize soils, materials, slopes	<input type="checkbox"/> 10-1 Stabilize soils, materials, slopes	<input type="checkbox"/> 10-1 Stabilize soils, materials, slopes
Road shoulder maint.	<input type="checkbox"/> 11-1 Apply water to unpaved shoulders prior to clearing; and <input type="checkbox"/> 11-2 Apply chemical dust suppressants and/or washed gravel to maintain a stabilized surface after completing road shoulder maintenance.	<input type="checkbox"/> 11-1 Apply water to unpaved shoulders prior to clearing; and <input type="checkbox"/> 11-2 Apply chemical dust suppressants and/or washed gravel to maintain a stabilized surface after completing road shoulder maintenance.	<input type="checkbox"/> 11-1 Apply water to unpaved shoulders prior to clearing; and <input type="checkbox"/> 11-2 Apply chemical dust suppressants and/or washed gravel to maintain a stabilized surface after completing road shoulder maintenance.
Screening	<input type="checkbox"/> 12-1 Pre-water material prior to screening; and <input type="checkbox"/> 12-2 Limit fugitive dust emissions to opacity and plume length standards; and <input type="checkbox"/> 12-3 Stabilize material immediately after screening.	<input type="checkbox"/> 12-1 Pre-water material prior to screening; and <input type="checkbox"/> 12-2 Limit fugitive dust emissions to opacity and plume length standards; and <input type="checkbox"/> 12-3 Stabilize material immediately after screening.	<input type="checkbox"/> 12-1 Pre-water material prior to screening; and <input type="checkbox"/> 12-2 Limit fugitive dust emissions to opacity and plume length standards; and <input type="checkbox"/> 12-3 Stabilize material immediately after screening.
Staging Areas	<input type="checkbox"/> 13-1 Stabilize staging areas during use; and <input type="checkbox"/> 13-2 Stabilize staging area soils at project completion.	<input type="checkbox"/> 13-1 Stabilize staging areas during use; and <input type="checkbox"/> 13-2 Stabilize staging area soils at project completion.	<input type="checkbox"/> 13-1 Stabilize staging areas during use; and <input type="checkbox"/> 13-2 Stabilize staging area soils at project completion.

FUGITIVE DUST CONTROL PLAN
For Projects < 10 acres (Form DCP, Page 4 of 5)

Project Phases

Source Category	Clearing, Grubbing, and Mass Grading <i>(Describe Control Actions)</i>	Finish Grading <i>(Describe Control Actions)</i>	Site Construction <i>(Describe Control Actions)</i>
Stockpiles/ bulk materials handling	<input type="checkbox"/> 14-1 Stabilize stockpiled materials; or <input type="checkbox"/> 14-2 Install and maintain wind barriers with no less than 50 percent porosity on three sides of the pile, such that the barrier is equal to or greater than the pile height. <input type="checkbox"/> 14-3 Stockpiles within 100 yards of occupied buildings must not be greater than eight feet in height; or <input type="checkbox"/> 14-4 Stockpiles greater than eight feet in height and not covered must have a road bladed to the top to allow water truck access or must have an operational water irrigation system that is capable of complete stockpile coverage.	<input type="checkbox"/> 14-1 Stabilize stockpiled materials; or <input type="checkbox"/> 14-2 Install and maintain wind barriers with no less than 50 percent porosity on three sides of the pile, such that the barrier is equal to or greater than the pile height. <input type="checkbox"/> 14-3 Stockpiles within 100 yards of occupied buildings must not be greater than eight feet in height; or <input type="checkbox"/> 14-4 Stockpiles greater than eight feet in height and not covered must have a road bladed to the top to allow water truck access or must have an operational water irrigation system that is capable of complete stockpile coverage.	<input type="checkbox"/> 14-1 Stabilize stockpiled materials; or <input type="checkbox"/> 14-2 Install and maintain wind barriers with no less than 50 percent porosity on three sides of the pile, such that the barrier is equal to or greater than the pile height. <input type="checkbox"/> 14-3 Stockpiles within 100 yards of occupied buildings must not be greater than eight feet in height; or <input type="checkbox"/> 14-4 Stockpiles greater than eight feet in height and not covered must have a road bladed to the top to allow water truck access or must have an operational water irrigation system that is capable of complete stockpile coverage.
Traffic areas for const. activities	<input type="checkbox"/> 15-1 Stabilize all off-road traffic and parking areas; and <input type="checkbox"/> 15-2 Ensure that on-site vehicular traffic does not exceed 15 miles per hour; and <input type="checkbox"/> 15-3 Stabilize all haul routes; and <input type="checkbox"/> 15-4 Direct construction traffic over established haul routes.	<input type="checkbox"/> 15-1 Stabilize all off-road traffic and parking areas; and <input type="checkbox"/> 15-2 Ensure that on-site vehicular traffic does not exceed 15 miles per hour; and <input type="checkbox"/> 15-3 Stabilize all haul routes; and <input type="checkbox"/> 15-4 Direct construction traffic over established haul routes.	<input type="checkbox"/> 15-1 Stabilize all off-road traffic and parking areas; and <input type="checkbox"/> 15-2 Ensure that on-site vehicular traffic does not exceed 15 miles per hour; and <input type="checkbox"/> 15-3 Stabilize all haul routes; and <input type="checkbox"/> 15-4 Direct construction traffic over established haul routes.
Trenching	<input type="checkbox"/> 16-1 Stabilize surface soils where trencher or excavator and support equipment will operate; and <input type="checkbox"/> 16-2 Stabilize soils at the completion of trenching activities.	<input type="checkbox"/> 16-1 Stabilize surface soils where trencher or excavator and support equipment will operate; and <input type="checkbox"/> 16-2 Stabilize soils at the completion of trenching activities.	<input type="checkbox"/> 16-1 Stabilize surface soils where trencher or excavator and support equipment will operate; and <input type="checkbox"/> 16-2 Stabilize soils at the completion of trenching activities.
Truck loading	<input type="checkbox"/> 17-1 Pre-water material prior to loading; and <input type="checkbox"/> 17-2 Ensure that freeboard does not exceed six inches	<input type="checkbox"/> 17-1 Pre-water material prior to loading; and <input type="checkbox"/> 17-2 Ensure that freeboard does not exceed six inches	<input type="checkbox"/> 17-1 Pre-water material prior to loading; and <input type="checkbox"/> 17-2 Ensure that freeboard does not exceed six inches

FUGITIVE DUST CONTROL PLAN
For Projects < 10 acres (Form DCP, Page 5 of 5)

Project Phases

Source Category	Clearing, Grubbing, and Mass Grading <i>(Describe Control Actions)</i>	Finish Grading <i>(Describe Control Actions)</i>	Site Construction <i>(Describe Control Actions)</i>
Turf overseeding	<input type="checkbox"/> 18-1 Apply sufficient water immediately prior to conducting turf vacuuming activities to meet opacity and plume length standards; and <input type="checkbox"/> 18-2 Cover haul vehicles prior to exiting the site.	<input type="checkbox"/> 18-1 Apply sufficient water immediately prior to conducting turf vacuuming activities to meet opacity and plume length standards; and <input type="checkbox"/> 18-2 Cover haul vehicles prior to exiting the site.	<input type="checkbox"/> 18-1 Apply sufficient water immediately prior to conducting turf vacuuming activities to meet opacity and plume length standards; and <input type="checkbox"/> 18-2 Cover haul vehicles prior to exiting the site.
Unpaved roads/ parking lots	<input type="checkbox"/> 19-1 Stabilize soils to meet the applicable performance standards; and <input type="checkbox"/> 19-2 Limit vehicular travel to established unpaved roads (haul routes) and unpaved parking lots	<input type="checkbox"/> 19-1 Stabilize soils to meet the applicable performance standards; and <input type="checkbox"/> 19-2 Limit vehicular travel to established unpaved roads (haul routes) and unpaved parking lots	<input type="checkbox"/> 19-1 Stabilize soils to meet the applicable performance standards; and <input type="checkbox"/> 19-2 Limit vehicular travel to established unpaved roads (haul routes) and unpaved parking lots
Vehicular track-out, clean-up	<input type="checkbox"/> 19-3 Use wheel washes at construction entrances <input type="checkbox"/> 19-4 Use street sweeping as required.	<input type="checkbox"/> 19-3 Use wheel washes at construction entrances <input type="checkbox"/> 19-4 Use street sweeping as required.	<input type="checkbox"/> 19-3 Use wheel washes at construction entrances <input type="checkbox"/> 19-4 Use street sweeping as required.
Weather monitoring/ work practices	<input type="checkbox"/> 20-1 Monitor current weather conditions predictions from the AQMD's wind forecast system (800) CUT-SMOG [Press 1, then Press 5] or the National Weather Service; & <input type="checkbox"/> 20-2 Cease all construction activities if fugitive dust emissions exceed 20 percent opacity or if 100 foot visible plume restriction cannot be met. Control measures must continue to operate unless operation of such equipment cannot reduce emissions or if visibility is limited to such an extent that it is hazardous to operate such equipment.	<input type="checkbox"/> 20-1 Monitor current weather conditions predictions from the AQMD's wind forecast system (800) CUT-SMOG [Press 1, then Press 5] or the National Weather Service; & <input type="checkbox"/> 20-2 Cease all construction activities if fugitive dust emissions exceed 20 percent opacity or if 100 foot visible plume restriction cannot be met. Control measures must continue to operate unless operation of such equipment cannot reduce emissions or if visibility is limited to such an extent that it is hazardous to operate such equipment.	<input type="checkbox"/> 20-1 Monitor current weather conditions predictions from the AQMD's wind forecast system (800) CUT-SMOG [Press 1, then Press 5] or the National Weather Service; & <input type="checkbox"/> 20-2 Cease all construction activities if fugitive dust emissions exceed 20 percent opacity or if 100 foot visible plume restriction cannot be met. Control measures must continue to operate unless operation of such equipment cannot reduce emissions or if visibility is limited to such an extent that it is hazardous to operate such equipment.
<i>Other (describe)</i>			