

Source: (1) Land Clearing/Earth-Moving (Continued)

HIGH WIND MEASURE

- (a) Cease all active operations; or
- (b) Apply water within 15 minutes to any soil surface which is being moved or otherwise disturbed.

Source: (2) Unpaved Roads

CONTROL MEASURES

DESCRIPTION

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| (F) Paving | (1) Requires street sweeping/cleaning if subject to material accumulation. |
| (G) Chemical stabilization | (1) Vendors can supply information as to application methods and concentrations to meet the specifications established by the Rule
(2) Not recommended for high volume or heavy equipment traffic use. |
| (H) Watering | (1) In sufficient quantities to keep surface moist.
(2) Required application frequency will vary according to soil type, weather conditions, and vehicular use. |
| (I) Reduce speed limits | (1) 15 mile per hour maximum. May need to be used in conjunction with watering or chemical stabilization to prevent visible emissions from crossing the property line. |
| (J) Reduce vehicular trips | (1) Access restriction or redirecting traffic to reduce vehicle trips by a minimum of 60 percent. |
| (K) Gravel | (1) Gravel maintained to a depth of four inches can be an effective measure.
(2) Should only be used in areas where paving, chemical stabilization or frequent watering is not feasible. |

HIGH WIND MEASURE

- (a) Apply a chemical stabilizer (to meet the specifications established by the Rule) prior to wind events; or
(b) Apply water once each hour; or
(c) Stop all vehicular traffic.

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Source: (3) Storage Piles

CONTROL MEASURES

DESCRIPTION

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| (L) Wind sheltering | (1) Enclose in silos. |
| (M) Watering | (2) Install three-sided barriers equal to height of material, with no more than 50 percent porosity. |
| (N) Chemical stabilizers | (1) Application methods include: spray bars, hoses and water trucks. |
| (O) Altering load-in/load-out procedures | (2) Frequency of application will vary on site specific conditions. |
| (P) Coverings | (1) Best for use on storage piles subject to infrequent disturbances. |
| | (1) Confine load-in/load-out procedures to leeward (downwind) side of the material. |
| | (2) May need to be used in conjunction with wind sheltering to prevent visible emissions from crossing the property line. |
| | (1) Tarps, plastic, or other material can be used as a temporary covering. |
| | (2) When used, these should be anchored to prevent wind from removing coverings. |

HIGH WIND MEASURE

- (a) Apply chemical stabilizers (to meet the specifications established by the Rule) prior to wind events; or
- (b) Apply water once per hour; or
- (c) Install temporary covers.

Source: (4) Paved Road Track-Out

CONTROL MEASURES

DESCRIPTION

Compliance with District Rule 403.

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| (2) Wheel Washers | (1) Should be placed where vehicles exit unpaved areas onto paved areas. |
| (R) Sweep/clean roadways | (2) System can be adjusted to spray entire vehicles, including stored bulk material in haul vehicles. |
| (S) Cover haul vehicles | (1) Either sweeping or water flushing may be used. |
| (T) Bedliners in haul vehicles | (1) Entire surface area should be covered once vehicle is full. |
| (U) Site Access Improvements | (1) When feasible, use in bottom dumping vehicles. |

HIGH WIND MEASURE

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| (a) Cover all haul vehicles and | (1) Pave internal roadway systems. |
| (b) Clean streets with water flushing | (2) Most important segment, last 100 yards from the connection with paved public roadways. |

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Source: (5) Disturbed Surface Areas/ Inactive Construction Sites

CONTROL MEASURES

DESCRIPTION

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| (Q) Chemical stabilization | (1) Most effective when used on areas where active operations have ceased. |
| (R) Watering | (2) Vendors can supply information on methods for application and required concentrations. |
| (S) Wind fencing | (1) Requires frequent applications unless a surface crust can be developed. |
| (T) Vegetation | (1) Three- to five-foot barriers with 50% or less porosity adjacent to roadways or urban areas can be effective in reducing the amount of wind blown material leaving a site. <u>Must be used in conjunction with either measure (Q), (R), or (T).</u> |
| | (1) Establish as quickly as possible when active operations have ceased. |

HIGH WIND MEASURES

- (a) Apply chemical stabilizers (to meet the specifications established by the Rule); or
(b) Apply water to all disturbed surface areas 3 times per day.

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* Use of drought tolerant, native vegetation is encouraged.

Source: (6) Discing Activities

CONTROL MEASURES

(U) Watering

(V) Time Restrictions

(W) Speed Restrictions

DESCRIPTION

(1) Pre-water area to be disced; or

(1) Complete weed abatement activities prior to 9:00 a.m.; or

(1) Maintain equipment speeds at five miles per hour or less.

HIGH WIND MEASURES

(a) Cease all discing activities.

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**SAMPLE LETTER OF INTENT TO FILE A
SOIL EROSION CONTROL PLAN WITH THE
NATURAL RESOURCE CONSERVATION SERVICE**

APPENDIX D

Staff Member
U.S. Department of Agriculture
Natural Resource Conservation Service

Date: _____

Subject: Letter of Intent to File a Soil Conservation Plan to Retain Exemption
from South Coast Air Quality Management District Rule 403

Dear NRCS Staff Member:

Pursuant to clause (h)(B)(i)(b) of South Coast Air Quality Management District (District) Rule 403 (Fugitive Dust), I hereby notify the U.S. Department of Agriculture (USDA) Natural Resource Conservation Service (NRCS) of my intent to file a soil erosion control plan with your office. In accordance with the procedures contained in District Rule 403, I am submitting this letter of intent before February 1, 1998 and I intend to have an approved plan no later than December 31, 1998.

For your reference, the subject agricultural operations are located at:

Sincerely,

Contact person: _____
Phone number: _____

cc: South Coast Air Quality Management District
PM10 Compliance Section
21865 E. Copley Drive
Diamond Bar, CA 91765

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CHEMICAL DUST SUPPRESSANTS

Resource List of Vendors

The following is a list of chemical dust suppressants and vendors. This resource list has been compiled from information provided to the District by various vendors, but there are likely to be additional products which are commercially available. This resource listing is not an endorsement by the District to use any particular product. It is the responsibility of each person who wishes to use a chemical dust suppressant to assure that such product is not prohibited for use in fugitive dust control by the California Regional Water Quality Control Board, the California Air Resources Board, the Environmental Protection Agency, or any applicable laws. Also, such products should meet any specifications, criteria, or tests required by any federal, state, or local water agency.

APPENDIX E RESOURCE LIST OF CHEMICAL DUST SUPPRESSANTS

Product Name	Vendor Contact
M/F 2000 (organic compound)	American Fiber Company Whittier (310) 693-4072
Agri-Fiber (organic compound)	Precision Hydrosceding Company Palm Desert (619) 360-2851
Airtrol Plaster (cementitious binder)	United States Gypsum Company Pleasanton, CA (510) 460-9918
Asphaltac (asphaltic emulsions)	Pragma, Inc. Sutler Creek, CA (209) 267-5072
Calcium Chloride (hygroscopic salt)	Lee Chemical, Inc. Moreno Valley (909) 369-5292
	Hill Brothers Chemical Company Orange, CA (714) 998-8800

<u>Product Name</u>	<u>Vendor Contact</u>	<u>Product Name</u>	<u>Vendor Contact</u>
Cohetex-PM (petroleum resin)	Witco Golden Bear Division Sun Lakes, AZ (602) 895-8966	Fibercraft (hydromulch cellulose fiber)	Dynamis, Inc. Sanger, CA (209) 875-0800
DC-1000 (polymer)	Native Soil Technology, Inc. Danville, CA (510) 837-5362	Hydro=Plant (hydroseeding)	Hydro=Plant, Inc. San Marcos, CA (619) 744-7360
Desert Bloom (hydroseeding)	James Enterprises San Juan Capistrano, CA (714) 248-7236	Hydroseeder (Seed mixes and applications)	Sanders Hydroseeding, Inc. Santa Ana, CA (714) 973-8873
Dust Buster Systems (chemical suppressants and application equipment)	Martin Marietta Bakersfield, CA (805) 663-0625	Lignosulfonate (wood pulp by-product)	Jim Good Marketing Shafter, CA (805) 746-3783
Dust Oil Emulsion (asphalt emulsion)	Morgan Emultech, Inc. Redding, CA (916) 241-1364	Raybinder (binder)	ITT Rayonier Seattle, WA (800) 228-0604
Dust Sorb 1118 (acrylic resin)	Aqua Chem Ltd. Bakersfield, CA (805) 323-8308	Magnesium Chloride (hygroscopic salt)	Western Emulsions, Inc. Moreno Valley, CA (909) 784-7411
Dust Off (brine solution)	Leslie Salt Company Newark, CA (415) 790-8169	Magnesium Chloride (hygroscopic salt)	South Western Sealcoating, Inc. Murietta, CA (909) 677-6228
DSS-40 (acrylic co-polymer)	S & S Seeds Carpenteria, CA (805) 684-0436		Jim Good Marketing Shafter, CA (805) 746-3783
Eco-Polymer (polymer)	Eco-polymer Whittier, CA (310) 407-3090		Chemical Distributors, Inc. Henderson, NV (702) 565-4904
Ecology Control M Binder (co-polymer)	S & S Seeds Carpenteria, CA (805) 684-0436	DC300 (non-ionic surfactant)	Compaction Compounds Los Altos, CA (415) 948-5900
Entac (organic emulsion)	Diversified Services, Inc. Elizabethton, TN (615) 542-9100	Marloc (co-polymer)	Reclamare Company Seattle, WA (206) 824-2385
Fiberwood (hydroseeding mulch)	Fiberwood Sacramento, CA (800) 655-9754	Native Seed Mix (hydromulch)	Pacific Coast Seed, Inc. Pleasanton, CA (510) 463-1188

<u>Product Name</u>	<u>Vendor Contact</u>	<u>Product Name</u>	<u>Vendor Contact</u>
Organic Soil Stabilizer (soil additive)	Desert Rock Supply La Quinta, CA (619) 360-1345	Terraforma (polymer)	AET Group San Leandro, CA (209) 836-4884
Pineseal (tall oil pitch, tall oil rosin and lign)	Western Emulsions, Inc. Moreno Valley (909) 784-7411	Excel-Fibermulch II (Aspen wood mulch)	American Excelsior Company Pico Rivera, CA (310) 949-2491
Road Oyl (pine tar)	Soil Stabilization Products Merced, CA (209) 383-3296	P.E.P. (liquid asphalt)	Environmental Products & Applications Lake Elsinore, Ca (909) 674-9174
Roadkill (soybean product)	Central Soya Company, Inc. Fort Wayne, IN (219) 425-5942	ECO-110 and C-50 (polymer)	Dynaguard, Inc. Orange, CA (714) 771-7411
Sentinal (organic binder-hydroseeding)	Albright Seed Company Camarillo, CA (805) 484-0551	Pennzsupress D (emulsified resin)	Pennzoi Products Company Santa Fe Springs, CA (310) 906-4300
Soilmaster (polymer)	Precision Hydro-seeding Company Palm Desert, CA (619) 360-2851	Endurasal 100 and 200 (organic, water-based emulsions)	Cascadia Technologies Ltd. Vancouver, B.C. (800) 665-2994
Soil Seal (polymer)	Environmental Soil Systems, Inc. Granada Hills (818) 368-4115	Burnmuda and Zoysia (grass seed and applications)	Starborne Overland Park, KS (913) 338-0500
Soil Seal (polymer)	Soil Seal Corporation Los Angeles (213) 727-0654	POZ-O-CAP (lime-based rosin control agent)	Chemstar Lime Scottsdale, AZ (602) 941-1291
Soil Seal (polymer)	Soil Stabilization Products Merced, CA (209) 383-3296	AGRI-LOCK and DUST-LOCK (synthetic resin and organic compound)	Swift Adhesives Research Triangle Park, NC (800) 213-4804
Soil Seal (polymer)	Midwest Industrial Supply Canton, Ohio (800) 321-0699	Magnesium Chloride (hygroscopic salt)	Dustpro, Inc. Phoenix, AZ (602) 944-8411
Soil Seal (polymer)	Advanced Concrete Technologies Santa Ana, CA (714) 731-0906		
Soil Seal (polymer)	S & S Seeds Carpenteria, CA (805) 684-0436		

Product Name	Vendor Contact
Blend R40 Series (water-based polymer emulsions)	Rohn and Haas Company Spring House, PA (215) 641-7000
Stabilizer (organic binder)	Stabilizer, Inc. Phoenix, AZ (602) 952-8009
Ecotak-OP and Ecotak-SAT (hydroseeding)	Elliott Landscaping Cathedral City, CA (619) 320-0176
Water Oil (petroleum base oil)	Chem Shield Sparks, NV (702) 323-4540
Dewatered Residual Wood Fiber (wood products)	C.E.T.I. Fontana, CA (909) 428-6861
Sandcastles Dust Control Mix	Sandcastle Hydroseeding Lancaster, CA (805) 723-0515
Dewatered Residual Wood Fiber (wood products)	Envirosorb La Verne, CA (909) 392-5878

APPENDIX F

EMISSIONS REDUCTIONS ESTIMATES

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