FOR CONTRACT NO.: 02-1E8404

INFORMATION HANDOUT

MATERIALS INFORMATION

TEHAMA COUNTY FUGITIVE DUST

ROUTE: 36-Teh-67.5/75.5

COUNTY OF TEHAMA
Tehama County Air Pollution Control District
ALAN ABBS
AIR POLLUTION CONTROL OFFICER
1750 Walnut Street * Red Bluff, California 96080
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COMPLIANCE ASSISTANCE BULLETIN
FUGITIVE DUST

Fugitive Dust Control at Construction Sites

Rule 4:24, Fugitive Dust Emissions; of the District's Rules and Regulations apply to many activities that generate fugitive dust, and particularly to construction sites.

Fugitive dust is emitted into the air by activities that disturb the soil, such as earthmoving and vehicular/equipment traffic on unpaved surfaces. Windblown dust is also of concern where soil has been disturbed at construction sites.

The District adopted Rule 4:24 in 1987 and its most recent amendments became effective on February 5, 2008. This is a basic summary of the regulation's requirements as they apply to construction sites.

These regulations affect all workers at a construction site, including everyone from the landowner to the subcontractors. Violations of Rule 4:24 are subject to enforcement action including fines.

Visible Dust Emissions (VDE) may not exceed 20% opacity during periods when soil is being disturbed by equipment or by wind at any time. Visible Dust Emissions opacity of 20% means dust that would obstruct an observer's view of an object by 20%. District inspectors are state certified to evaluate visible emissions. Dust control may be achieved by applying water before/during earthwork and onto unpaved traffic areas, phasing work to limit dust, and setting up wind fences to limit wind blown dust.

Soil Stabilization is required at construction sites after normal working hours and on weekends and holidays. This requirement also applies to inactive construction areas such as phased projects where disturbed land is left unattended. Applying water to form a visible crust on the soil and restricting vehicle access are often effective for short-term stabilization of disturbed surface areas. Long-term methods include applying dust suppressants and establishing vegetative cover.

Carryout and Trackout occur when materials from emptied or loaded vehicles falls onto a paved surface or shoulder of a public road or when materials adhere to vehicle tires and are deposited onto a paved surface or shoulder of a public road. Should either occur, the material must be cleaned up at least daily, and immediately if it extends more than 50 feet from the exit point onto a paved road. The appropriate clean-up methods require the complete removal and cleanup of mud and dirt from the paved surface and shoulder. Using a blower device or dry sweeping with any mechanical device other than a PM10-efficient street sweeper is not effective. Larger construction sites, or sites with a high amount of traffic on one or more days, must prevent carryout and trackout from occurring by installing gravel pads, grizzlies, wheel washers, paved interior roads, or a combination thereof at each exit point from the site. In many cases, cleaning up track-out with water is also prohibited as it may lead to plugged storm drains and raise turbidity levels in nearby waterways. Prevention is the best method.

Unpaved Access and Haul Roads, as well as unpaved vehicle and equipment traffic areas at construction sites must have dust control. Speed limit signs limiting vehicle speed to 15 mph or less at construction sites should be posted every 500 feet on uncontrolled and unpaved roads.

Storage Piles and Bulk Materials have handling, storage, and transportation requirements that include applying water when handling materials, wetting or covering stored materials, and installing wind barriers to limit VDE. Also, limiting vehicle speeds, loading haul trucks with a freeboard of six inches or greater along with applying water to the top of the load, and covering the cargo compartments are effective measures for reducing VDE and carryout from vehicles transporting bulk materials.

Demolition activities require the application of water to the exterior of the buildings, debris piles, and to unpaved surfaces where materials may fall. A Dust Control Plan will be required for large demolition projects. Consider all structures built before 1988, slated for demolition as possibly being regulated due to potential asbestos. Contact the District for more information concerning asbestos.

Dust Control Plans identify the dust sources and describe the dust control measures that will be implemented before, during, and after any dust generating activity for the duration of the project. Owners or operators are required to submit plans to the District at least 30 days prior to commencing the work for the following:

- Residential developments of one hundred or more acres of disturbed surface area.
- Non-residential developments of five or more acres of disturbed surface area.
- The relocation of more than 7,700 cubic yards per day of materials on at least three days.

Operations may not commence until the District has approved the Dust Control Plan. A copy of the plan must be on site and available to workers and District employees. **All work on the site is subject to the requirements of the approved dust control plan. A failure to abide by the plan by anyone on site may be subject to enforcement action.**

Exemptions exist for several activities. District Rule 4:24 *Fugitive Dust Emissions*, exempts the following construction and earthmoving activities:

- Movement of less than 2,000 cubic yards of soil.
- Maintenance or remodeling of existing buildings less than 10,000 square feet.
- Additions to single family dwellings.
- The disking of weeds and vegetation for fire prevention.
- Spreading of daily landfill cover to preserve public health and safety and to comply with California Integrated Waste Management Board requirements.

Nuisances are prohibited at all times because District Rule 4:4 – *Nuisance* applies to all construction sources of fugitive dust, whether or not they are exempt from Rule 4:24. It is important to monitor dust-generating activities and implement appropriate dust control measures to limit the public's exposure to fugitive dust.

Fugitive Dust Permits can be obtained from the District office located at 1750 Walnut Street, Red Bluff, CA. Permit Fees total $144.00 and the permit is valid for one year, from the date of issuance, at the designated permit location. For more information please contact the District at 530-527-3717.

Print Form

Submit by Email

TEHAMA COUNTY AIR POLLUTION CONTROL DISTRICT

1750 Walnut Street (P.O. Box 8069), Red Bluff, CA 96080
Phone: (530) 527-3717 Fax: (530) 527-0959

Fugitive Dust Permit Application Permit Fee: $144.00 ❑

and/or

Land Clearing Burn Permit Application Permit Fee: $56.50 ❑

APPLICANT INFORMATION

Please specify the legal name and address of the partnership, company, corporation or agency to be named on the permit.

Company: _____ Contact: _____

Phone: _____ Fax: _____ Email: _____

Address: _____

City/St/Zip: _____

PROJECT INFORMATION

Project Name: _____

Address: _____ City: _____

Nearest Cross Street: _____

Project Duration: _____

Project Description: _____

Other Information:

Sources of Fugitive Emissions:

_____

Distance to Nearest Sensitive Receptor (If Applicable):

_____

Description of Receptor:

_____

Type of Burn (Grass, trees, brush, etc.)

_____

Amount (acres)

_____

(A Sensitive Receptor is Defined as a School, Hospital, Recovery Center, Outpatient Care Center, Hospice, Childrens Day Care Center, Retirement Home, or Any other site that may contain persons sensitive to Fugitive Dust or Smoke emissions.)

Signature: _____ Title: _____

(Signature of responsible official, partner, or sole proprietor. Original signature required NO photocopies.)

Print Name: _____ Date: _____