

**San Joaquin Valley Unified Air Pollution Control District**  
**Fugitive PM10 Management Plan**  
**General Information**

SAMPLE

A Fugitive PM10 Management Plan (plan) is a compliance alternative to the 20% visible dust emission (VDE) limitation for unpaved roads and unpaved traffic areas. A plan does not apply to paved roads or paved traffic areas. Implementing either the VDE standard or a plan is necessary only on those days when traffic exceeds or is expected to exceed 75 vehicle trips. A plan may cover multiple unpaved roads and traffic areas within a facility.

Name of Facility	XYZ Gin		
Facility Location:	104 N. Acala		
City / State / Zip:	Five Points	CA	93716
Mailing Address:	104 N. Acala		
City / State / Zip:	Five Points	CA	93716

**Please list the following information for the persons responsible for:**

<b>Plan Preparation</b>	<b>Plan Implementation</b>
Name: Joe Ginner	<input checked="" type="checkbox"/> Same as Plan Preparation
Title: Manager	
Address: 104 N. Acala	
City / St / Zip: Five Points, CA 93716	
Phone: ( 123 ) 456-7890	( )
FAX: ( 123 ) 456-7891	( )
Other (cell): ( )	( )

**Type of Entity (check one)** Please include the name, title, and phone number of persons in control. Attach additional sheets if needed.

☒ Individual    ☐ Co-partnership    ☐ Corporation    ☐ Other entity: \_\_\_\_\_

Name: Joe Ginner    Title: Manager    Phone: ( 123 ) 456-7890

**FOR SJVAPCD USE ONLY**

[ ] This Fugitive PM10 Management Plan has satisfied District Rule 8011 requirements and is approved.

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Approval Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**FOR RESOUCE CONSERVATION DISTRICT (RCD) USE ONLY**

[ ] This Fugitive PM10 Management Plan has been verified as meeting District Rule 8081 requirements.

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Resource Conservation District: \_\_\_\_\_

Phone: ( ) \_\_\_\_\_

**Maps or Plot Plans**

It is necessary to attach a map or plot plan. The locations of each unpaved road or traffic area covered by this plan shall be clearly identified and each location must be designated numerically or by name for referencing purposes.

**For Unpaved Roads:**

Total Number of Treated Road Segments: N/A Total Treated Road Length: N/A miles

**For Unpaved Traffic Areas:**

Total Number of Treated Traffic Areas: 2 Total Treated Traffic Area: 10 acres

**Number of Locations**

Separate "Treatment Options Forms" used for describing the treatment options shall be attached for each location that may have unique traffic patterns or different PM10 control methods. Unique traffic patterns may include the numbers and types of vehicles traveling on the treated unpaved surface, or different seasons or times of the year. If all locations are treated the same, submit only one form. If you desire detailed information, a District document titled "Criteria for Developing and Evaluating Fugitive PM10 Management Plans" is available from the District.

Number of "Treatment Options Forms" attached: 2

**Conditions:**

1. The owner or operator shall retain a copy of a District-approved plan (or a RCD-verified plan for agricultural sources) at the operator's place of business and make it available for inspection upon request.
2. The plan shall remain valid until the District notifies the owner or operator (or the RCD for agricultural sources) that the plan needs to be revised, or until the owner or operator has notified the District (or the RCD for agricultural sources) that the plan is no longer being implemented.
3. Failure to comply with the provisions of a plan is deemed to be a violation of Rule 8011 (Rule 8081 for agricultural sources).

Joe Ginner  
Preparer's Signature

1/10/02

Date

\_\_\_\_\_  
Owner or Operator's Signature

\_\_\_\_\_  
Date

**Please submit the completed plan to the District office nearest you. For agricultural sources, please submit the completed plan to your local Resource Conservation District, or the Regional San Joaquin Valley Resource Conservation District (RSJV RCD).**

**SJVAPCD**  
**Northern Region Office**  
4230 Kiernan Ave, Suite 130  
Modesto, CA 95356  
(209) 557-6400

**SJVAPCD**  
**Central Region Office**  
1990 E Gettysburg  
Fresno, CA 93726  
(559) 230-5950

**SJVAPCD**  
**Southern Region Office**  
2700 "M" St, Suite 274  
Bakersfield, CA 93301  
(661) 326-6900

**RSJV RCD**  
4974 E Clinton Way, 114  
Fresno, CA 93727  
(559) 252-2191



# Fugitive PM10 Management Plan Treatment Options Form

SAMPLE

Facility Name (as described on the  
"General Information Form"):

XYZ Gin

## 1. Specific Locations

List the locations with similar traffic patters where similar PM10 control treatments will be maintained. Please identify the unpaved roads or unpaved traffic areas by providing a reference number from a map or plot plan, or by indicating the names of the subject roads or traffic areas. Separate forms should be used if PM10 control treatments differ or if traffic occurs at different times of the year.

Road Names or  
Reference Numbers:

Total Miles:

Traffic Area Names or  
Reference Numbers:

Gin Yard

Total Acres: 10

## 2. Vehicle Activity

Check the months of the year when vehicle traffic is expected to exceed 75 vehicle trips per day, and vehicle types (passenger cars, trucks, etc.) Implements of husbandry are exempt for agricultural sources. If known, identify the weeks by reporting the beginning and ending dates.

Month	Dates	Month	Dates	Month	Dates
<input type="checkbox"/> January		<input type="checkbox"/> May		<input type="checkbox"/> September	
<input type="checkbox"/> February		<input type="checkbox"/> June		<input checked="" type="checkbox"/> October	10/15-10/31
<input type="checkbox"/> March		<input type="checkbox"/> July		<input checked="" type="checkbox"/> November	11/1-11/30
<input type="checkbox"/> April		<input type="checkbox"/> August		<input checked="" type="checkbox"/> December	12/1-12/24

Vehicle Types: Trucks and cars

## 3. District-accepted PM10 Control Methods

Please indicate the PM10 control method that will be employed by placing a check next to the control options listed below. It may be necessary to attach product specifications, manufacturer's usage instructions, and environmental impacts and approval certifications related to the safe use for ground applications. The following treatments have been demonstrated to achieve 50% PM10 control.

☐ Water Application

☐ Petroleum Emulsions

☐ Hygroscopic Suppressants (Road Salts)

☐ Polymer Emulsions

☐ Adhesives

☐ Bituminous Materials (Road Oil)

**Secondary PM10 Control Methods:** The effectiveness of a control method can be enhanced by limiting vehicle speed to 15 miles per hour or less and/or applying gravel or recycled aggregate material to the unpaved surface area. Though implementing a secondary control method by itself is not approved, the District encourages its use in addition to the accepted PM10 control methods listed above. Please describe the secondary method that will be used, if one is proposed:

Speed is limited in the gin yard to 10 mph.

## Treatment Options Form - Page 2

SAMPLE

Facility Name (from previous page):

XYZ Gin

Specific Locations (from the previous page):

Gin Yard

### Section I - Water Application: Please complete if water application was chosen.

1. **Application Frequency:** The minimum number of water applications per day is based on traffic volume. Please check the appropriate box or indicate the number or vehicle trips and water applications per day if different.

Number of applications per day	<input checked="" type="radio"/>	150 vehicle trips per day or less, one application per day.
	<input type="radio"/>	151 to 225 vehicle trips per day, two applications per day
	<input type="radio"/>	226 to 300 vehicle trips per day, three applications per day
	<input type="radio"/>	_____ vehicle trips per day, _____ applications per day.

2. **Approximate time of each application:** 9:00 am

Note: It is recommended that applications take place for maximum benefit, shortly before heavy traffic volumes, but at such times and manner to allow for water to soak in and not result in trackout of mud onto paved roads.

3. **Application Rate.** Please specify the application rate that will be used for PM10 control:

☒ 650 Gallons per Acre of area

☐ \_\_\_\_\_ Gallons per Mile of unpaved road

#### Minimum Water Application Rates

650 gallons/acre  
 600 gallons/mile for an 8 foot wide road  
 750 gallons/mile for a 10 foot wide road  
 900 gallons/mile for a 12 foot wide road

4. **Equipment:** Please list the number and type of equipment (water truck, water wagon, trailer, etc.) that will be used for applying water, and the capacity of each in gallons:

1000 gallon water wagon

5. **Condition of Surface after Treatment:** Please describe the condition and observable changes to be achieved as a result of the water application and re-application. This may include expected color change, visual examination of surface crusting or compaction, or other methods.

wet surface

### Section II – Hygroscopic/Chemical/Organic Materials: Please complete the following if the PM10 control methods chosen is not water application.

Product Name: \_\_\_\_\_

Contractor's Name: \_\_\_\_\_

Phone Number: ( )

Application Rate: \_\_\_\_\_ Gallons of *undiluted* material per mile or acre treated.

Application Frequency: \_\_\_\_\_ Applications per year.

#### Minimum Application Frequencies:

##### Hygroscopic Suppressants (Road Salts)

**Seasonal Sources** (operating four months per year or less): One application per year within 30 days of the start of the season.

##### Adhesives

**All Other Sources:** Two applications per year. One application in middle spring and the other in late summer, unless otherwise specified by the manufacturer.

##### Petroleum Emulsions

##### Polymer Emulsions

One application per year, per manufacturer's specifications. For seasonal sources, apply within 30 days of the start of the season.

##### Bituminous Materials

One initial application. Reapplication within next two years.

**Condition of Surface after Treatment:** Please describe the condition and observable changes to be achieved as a result of the application and maintenance of the PM10 control measure taken. This may include expected color change; visual examination of oil coverage, surface crusting or compaction; or other methods.



# Fugitive PM10 Management Plan Treatment Options Form

SAMPLE

Facility Name (as described on the  
"General Information Form"):

XYZ Gin

## 1. Specific Locations

List the locations with similar traffic patterns where similar PM10 control treatments will be maintained. Please identify the unpaved roads or unpaved traffic areas by providing a reference number from a map or plot plan, or by indicating the names of the subject roads or traffic areas. Separate forms should be used if PM10 control treatments differ or if traffic occurs at different times of the year.

Road Names or  
Reference Numbers:

Total Miles:

Traffic Area Names or  
Reference Numbers:

Module Yard

Total Miles:

## 2. Vehicle Activity

Check the months of the year when vehicle traffic is expected to exceed 75 vehicle trips per day, and vehicle types (passenger cars, trucks, etc.) Implements of husbandry are exempt for agricultural sources. If known, identify the weeks by reporting the beginning and ending dates.

Month	Dates	Month	Dates	Month	Dates
<input type="checkbox"/> January		<input type="checkbox"/> May		<input type="checkbox"/> September	
<input type="checkbox"/> February		<input type="checkbox"/> June		<input checked="" type="checkbox"/> October	10/15-10/31
<input type="checkbox"/> March		<input type="checkbox"/> July		<input checked="" type="checkbox"/> November	11/1-11/30
<input type="checkbox"/> April		<input type="checkbox"/> August		<input checked="" type="checkbox"/> December	12/1-12/15

Vehicle Types: Trucks

## 3. District-accepted PM10 Control Methods

Please indicate the PM10 control method that will be employed by placing a check next to the control options listed below. It may be necessary to attach product specifications, manufacturer's usage instructions, and environmental impacts and approval certifications related to the safe use for ground applications. The following treatments have been demonstrated to achieve 50% PM10 control.

☒ Water Application

☐ Petroleum Emulsions

☐ Hygroscopic Suppressants (Road Salts)

☐ Polymer Emulsions

☐ Adhesives

☐ Bituminous Materials (Road Oil)

**Secondary PM10 Control Methods:** The effectiveness of a control method can be enhanced by limiting vehicle speed to 15 miles per hour or less and/or applying gravel or recycled aggregate material to the unpaved surface area. Though implementing a secondary control method by itself is not approved, the District encourages its use in addition to the accepted PM10 control methods listed above. Please describe the secondary method that will be used, if one is proposed:

Speed in the module yard will be limited to 10 mph.

On the following page (Treatment Options Form - Page 2) please complete Section I if water application is selected. For all other applications, please complete Section II.

## Treatment Options Form - Page 2

SAMPLE

Facility Name (from previous page):

XYZ Gin

Specific Locations (from the previous page):

Module Yard

### Section I - Water Application: Please complete if water application was chosen.

1. **Application Frequency:** The minimum number of water applications per day is based on traffic volume. Please check the appropriate box or indicate the number or vehicle trips and water applications per day if different.

Number of  
applications per day

- ☒ 150 vehicle trips per day or less, one application per day.  
☐ 151 to 225 vehicle trips per day, two applications per day  
☐ 226 to 300 vehicle trips per day, three applications per day  
☐ \_\_\_\_\_ vehicle trips per day, \_\_\_\_\_ applications per day.

2. **Approximate time of each application:** 10:00 am

Note: It is recommended that applications take place for maximum benefit, shortly before heavy traffic volumes, but at such times and manner to allow for water to soak in and not result in trackout of mud onto paved roads.

3. **Application Rate.** Please specify the application rate that will be used for PM10 control:

☒ 650 Gallons per Acre of area

☐ \_\_\_\_\_ Gallons per Mile of unpaved road

#### Minimum Water Application Rates

650 gallons/acre  
 600 gallons/mile for an 8 foot wide road  
 750 gallons/mile for a 10 foot wide road  
 900 gallons/mile for a 12 foot wide road

4. **Equipment:** Please list the number and type of equipment (water truck, water wagon, trailer, etc.) that will be used for applying water, and the capacity of each in gallons:

1000 gallon water wagon

5. **Condition of Surface after Treatment:** Please describe the condition and observable changes to be achieved as a result of the water application and re-application. This may include expected color change, visual examination of surface crusting or compaction, or other methods.

wet surface

### Section II – Hygroscopic/Chemical/Organic Materials: Please complete the following if the PM10 control methods chosen is not water application.

Product Name: \_\_\_\_\_

Contractor's Name: \_\_\_\_\_

Phone Number: (\_\_\_\_) \_\_\_\_\_

Application Rate: \_\_\_\_\_ Gallons of *undiluted* material per mile or acre treated.

Application Frequency: \_\_\_\_\_ Applications per year.

#### Minimum Application Frequencies:

**Hygroscopic Suppressants  
(Road Salts)**

**Seasonal Sources** (operating four months per year or less): One application per year within 30 days of the start of the season.

**Adhesives**

**All Other Sources:** Two applications per year. One application in middle spring and the other in late summer, unless otherwise specified by the manufacturer.

**Petroleum Emulsions**

**Polymer Emulsions**

One application per year, per manufacturer's specifications. For seasonal sources, apply within 30 days of the start of the season.

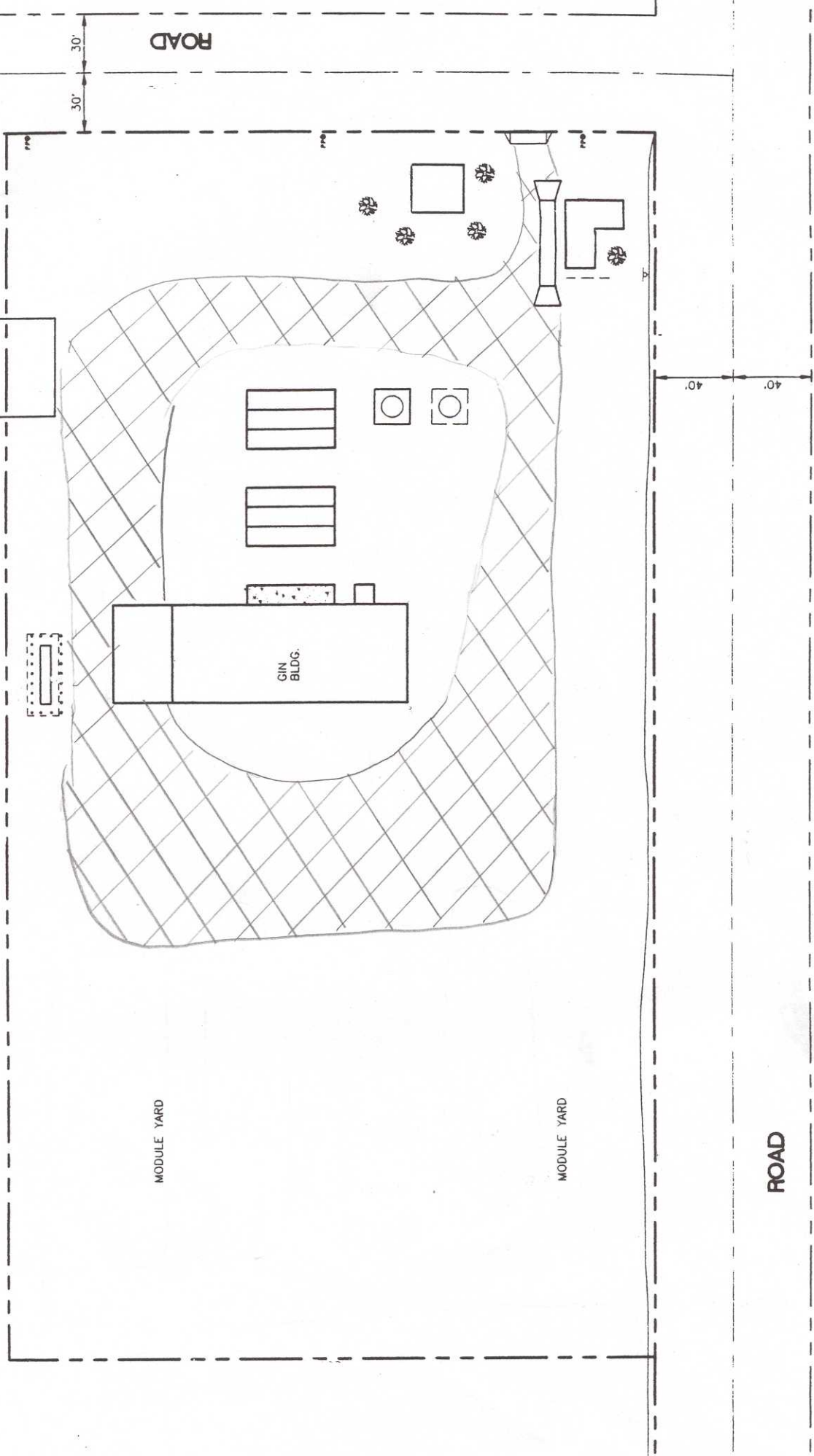
**Bituminous Materials**

One initial application. Reapplication within next two years.

**Condition of Surface after Treatment:** Please describe the condition and observable changes to be achieved as a result of the application and maintenance of the PM10 control measure taken. This may include expected color change; visual examination of oil coverage, surface crusting or compaction; or other methods.



# SAMPLE



 = Treated Area