



EROSION CONTROL PLAN
for construction sites that are not Single Family Residential

For Office Use Only	
Application Number:	Date Approved:
Date Submitted:	Approved BY:

The Erosion Control Plan (WECP) is meant to be a dynamic document, which may be amended throughout the project. Amendments to the plan need to be submitted and approved. Control measures must be inspected before any clearing begins. To schedule an inspection please call 575.541.2008

Project Information

F-1. Project information must be fully and accurately completed, including EPA Notice Of Intent if applicable.

Site Name	
Site Address	
Estimated Project Start Date	Estimated Project End Date
If address is not available provide location description	ECP Amendment No
Storm Water Pollution Prevention Notice of Intent ID permit tracking number (required if equal to or larger than 1 acre) *	
Date applied for Notice of Intent	

* City of Las Cruces follows most current EPA Construction General Permit for guidance. Refer to <http://cfpub.epa.gov/npdes/stormwater/cgp.cfm>

Contact Information

F-2. Provide a Primary Contact for the project covered by this ECP. This is the person who will be responsible for the implementation and maintenance of this ECP.

Name
Company
Phone
Email
License No.

Insurance

F-3. General liability insurance policy for the property owner and contractors responsible for dust generating operations.

Policy Number
Carrier

Plot Plan

P-1. Use area below to submit a site drawing or attach a drawing to back of this plan. Plot diagram must indicate entire site boundaries, nearest main cross roads, north arrow, access points onto paved areas, delivery areas, transport areas, and storage areas, and areas to be disturbed. If using construction drawings please indicate so.

See Attached Erosion Control Plan.

P-2. Dimensions

Total area of entire project site (sq. feet)

Total disturbed area (sq. feet)

P-3. Sources of Dust

Source Name as indicated on site drawing	Actual	Potential	Source Description

P-4. Materials

Estimated cubic yards of material to be moved within the boundaries of the project

Estimated cubic yards of import material

Estimated cubic yards of export material

Contingency Measures

Every category and/or subcategory requires at least one Primary control measure and at least one Contingency control measure. A contingency control measure is the secondary action(s) that will need to be implemented immediately when the primary control measure(s) fails to adequately control dust emissions at the project.

Each category must have at least one primary and one contingency control measure(s).

If you believe a category does not pertain to this project please provide an explanation of why it is not applicable.

Disturbed Surface Area

CM-1. Before Active Operations Occur

Primary Contingency
Pre-water site to the depth of cuts.
Phase to reduce the amount of disturbed surface area at any one time. Attach a map delineating the phases and their extent.
Other:

Or, explain why this category and its control measures are not applicable:

CM-2. During Active Operations

Primary Contingency
Apply water or other suitable dust-suppressant(s) other than water. If suppressant(s) are used provide all product usage information.
Water to maintain constant soil moisture levels sufficient to mitigate fugitive emissions.
In conjunction with one of the above measures construct fences/walls or wind barriers at minimum three-foot high with 50% or less porosity adjacent to the disturbed area(s) to reduce windblown material from leaving the site.
Cease operations when average wind speed meets or exceeds 25 miles per hour. Note: This option cannot be used as a primary Control Measure.
Other:

Or, explain why this category and its control measures are not applicable:

CM-3. Stabilization for any inactive period, of any length, 24 hours per day, seven days per week, including weekends, after work hours and holidays

Primary Contingency
Apply water. In disturbed surface areas a minimum of three times per day, increased to a minimum of four times per day if evidence of wind-blown dust exists.
Apply and maintain surface gravel or dust suppressant(s) other than water. If suppressant(s) are used provide all product usage information.
Cover open storage piles with tarps, plastic or other materials such that wind will not remove the covering(s)
Establish vegetative ground cover (landscaping)
Other:

Or, explain why this category and its control measures are not applicable:

CM-4. Permanent stabilization of disturbed surface areas immediately following an inactive period of 60 days or longer

Primary Contingency
Pave
Apply and maintain surface gravel or other suitable material
Apply dust suppressant(s) other than water. If suppressant(s) are used provide all product usage information.
Establish vegetative ground cover (landscaping)
Restore area such that the vegetative ground cover and soil characteristics are similar to adjacent or nearby undisturbed native conditions (desert landscaping)
Other:

Or, Explain why this category and its control measures are not applicable

Bulk Material Handling

CM-5. Off-Site hauling onto paved (private or public) roads

Primary Contingency
Required (one acre and above): Install, maintain, and use a suitable track-out control device that controls and prevents track-out and/or removes particulate matter from the tires and the exterior surfaces of haul trucks and/or motor vehicles that traverse the site. See Section CM-8
Suggested when a cargo compartment is loaded: Cover haul trucks with a tarp or other suitable closure and load all haul trucks such that the freeboard is not less than 3 inches and 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 the cargo container and prevent spillage or loss of bulk material from holes or other openings in the cargo compartment.
Suggested when a cargo compartment is empty: Cover haul trucks with a tarp or other suitable closure or clean the interior of the cargo compartment before leaving the site
Apply water to the top of the load. Note: This option cannot be used as a primary Control Measure.
Apply dust suppressant(s) to the top of the load. If suppressant(s) are used provide all product usage information. Note: This option cannot be used as a primary Control Measure.
Cease operations during high wind events. Note: This option cannot be used as a primary Control Measure.
Other:

Or, explain why this category and its control measures are not applicable:

CM-6. Bulk Material Stacking, Loading, and Unloading Operations	
Primary Contingency	
Apply water	
Apply dust suppressant(s) to the top of the load. If suppressant(s) are used provide all product usage information.	
Cease operations during high wind events. Note: This option cannot be used as a primary Control Measure.	
Other:	
Or, explain why this category and its control measures are not applicable:	

CM-7. Open Storage Piles

Primary Contingency

Prior to and/or while conducting stacking, loading, and unloading operations spray material with water or a dust suppressant other than water. If suppressant(s) are used provide all product usage information.

When not conducting stacking, loading, and unloading operations cover open storage piles with tarps, plastic, or other material

OR

Water to maintain constant soil moisture levels sufficient to mitigate fugitive emissions

OR

Maintain the soil crust

OR

In conjunction with the above control measures, construct and maintain wind barriers, storage silos, or a three-sided enclosure with walls, whose length is no less than equal to the pile length, whose distance from the pile is no more than twice the height of the pile, whose height is equal the pile height, and which porosity is no more than 50%

Other:

Or, explain why this category and its control measures are not applicable:

Track out

<p>CM-8. Track-out Control Devices: A track-out control device must be installed if a work site is one-acre or greater in size or is any bulk material is to be hauled on or off site.</p> <p style="text-align: right;">Primary Contingency</p>
<p>Choose type of Track-out device to be installed:</p> <p>Track-out Grizzly Rumble Pad Wheel Wash Gravel Pad</p> <p>Other (define):</p>
<p>Other:</p> <p>Or, explain why this category and its control measures are not applicable:</p>
<p>Track-out Maintenance: Track-out must be maintained and cleaned up at least once every 24-hours.</p> <p style="text-align: right;">Primary Contingency</p>
<p>Operate a street sweeper or wet broom with sufficient water and at the manufacturer's recommended speed.</p>
<p>Manually sweep up deposits</p>
<p>Other:</p> <p>Or, explain why this category and its control measures are not applicable:</p>

Wind Events

<p>CM-9. During Active Operations</p> <p style="text-align: right;">Primary Contingency</p>
<p>Cease dust-generating operations for the duration of the wind event when the sustained wind speed is equal to or exceeds 25 m.p.h. and stabilize work area if dust-generating operation is ceased for the remainder of the work day</p>
<p>Apply water or other dust suppressant at a rate and frequency sufficient to overcome wind-blown dust emissions</p>
<p>Maintain at least 70% of the optimum soil moisture content for areas that have an optimum moisture content for compaction of less than 12%, as determined by ASTM Method D155702e1, or other equivalent method as determined by the Building Official or designee</p>
<p>Other:</p>

Or, explain why this category and its control measures are not applicable:

Other Dust Sources

CM-10. Source Name	Primary Control	Contingency Control

Suppressants

For dust suppressants other than water please attach any pertinent information (such as MSDS) on environmental impact and/or certification related to appropriate and safe use for ground cover.

Name
Manufacturer
Manufacturer Phone
Manufacturer Website
Method of Application
Frequency Of Application
Intensity of Application
Number of Applicators
Application equipment capacity

Watering Schedule

If you chose watering as a control measure, please indicate 3 or more times/ day that you will be watering.

8:00 AM	9:00 AM	10:00 AM	11:00 AM	12:00 PM	1:00 PM	2:00 PM	3:00 PM	4:00 PM	5:00 PM	6:00 PM	7:00 PM	8:00 PM
X		X		X		X		X				

Signature

For subdivisions, large scale commercial, Industrial or Infrastructure projects the contact must be the project design engineer, otherwise contractor or property owner can design WECP.

I, serving as the contractor, engineer, and/or homeowner for the building permit with the City of Las Cruces, hereby identify and implement the above dust control plan and reasonably available control for my construction project. **FAILURE TO COMPLY WITH THIS PLAN MAY RESULT IN A NOTICE OF VIOLATION PER THE CITY'S ENFORCMENT ORDINANCES.** Notify City of Las Cruces when final stabilization of site has been completed to terminate plan. Control measures must be inspected before any clearing begins. To schedule an inspection please call 575-541-2008.

Signature	
Date	


GORILLA-SNOT®

Chemical Description

Gorilla-Snot is the value-engineered copolymer emulsion. It is an eco-safe, biodegradable, liquid concentrate used to provide erosion control and dust suppression. Gorilla-Snot will not migrate away from treated areas and will not seep into the groundwater. It will not wash away in the rain and it does not re-emulsify with water.

Gorilla-Snot is comprised of long, microparticle molecular structures that link and cross-link together to form strong bonds between particulates, soils and aggregates. The solution is designed to be easily applied topically to almost any soil or aggregate. A modest application will create a light surface crust that remains water permeable for air and water, yet perfect for controlling dust and suppressing PM10 and PM2.5 particulate matter to maintain air quality and visibility. Increased applications of Gorilla-Snot are highly effective for roads and other traffic areas. The product is designed to penetrate into the ground creating a strong and resilient, yet flexible, surface wear course that can withstand the intense abuse of vehicle traffic and environmental conditions.

Typical Physical Properties

Form	Liquid
Odor	Sweet (no odor once cured)
pH	4-9
Density	8.5-9.1 lbs/gal
Viscosity @ 25° C	<800 cps
Freeze Point	-0° C

Application

Gorilla-Snot is normally applied topically to the surface at an initial rate of 0.5-20.0 percent solution. Maintenance coats are normally applied at 30% of the initial application rate.

By adjusting the application rate, Gorilla-Snot can remain effective from weeks to several years.

Safety Precautions

For specific information on handling, safety and first aid, please review the Gorilla-Snot's Safety Data Sheet (SDS).

Shipping

Gorilla-Snot is available in 5-gallon pails, 55-gallon drums, 275-gallon IBC Totes and in bulk.