

**MARICOPA COUNTY
AIR QUALITY
DEPARTMENT**



**Dust Compliance Division
3800 N Central Ave, Suite 1400
Phoenix, AZ 85012
602-506-6010**

Dust Control Permit

**ATTENTION: SUNDT CONSTRUCTION, INC.
2620 S 55TH ST
TEMPE, AZ 85282**

**PERMIT NUMBER: E204795
ISSUE DATE: 04/03/20
EXPIRATION DATE: 04/04/21**

PROJECT INFORMATION:

Project Acreage: 4.82
Project Type: ROAD WORK
Project Start Date: 05/01/20
Reno Demo Start Date: 00/00/00
Neshap Notif. Submit Date: 00/00/00
Neshap Determiner Date: 00/00/00
Neshap Determiner Name:
Asbestos:

SITE INFORMATION:

Site Address 1: W BROADWAY RD / S BULLARD AVE
GOODYEAR, AZ 85338-
Cross Streets: BULLARD AVE
BROADWAY RD
Site Loc: B01012100
Parcel #: 50007984

CONDITIONS:

- 1) A copy of the approved dust control plan and permit must be available on site.
- 2) The approved dust control plan, including the federally approved best available control measures (BACMs) must be implemented.
- 3) A dust control plan that has been determined ineffective by the Department shall be revised within 3 working days of notification.
- 4) Any activity not identified in the dust control plan is not covered by this permit.
- 5) Any haul truck carrying bulk material shall be required to cover the load with a tarp or other suitable enclosure.
- 6) All Dust Control permits shall be renewed annually, if the project has not been completed. Applications for permit renewal shall be submitted no later than 14 days prior to the expiration date of the original permit.
- 7) An Asbestos/NESHAP notification is required for demolition of structures.
- 8) No activity shall discharge into the ambient air emissions in excess of 20% opacity.

**ANY PERSON WHO VIOLATES ANY OF THESE CONDITIONS MAY BE SUBJECT TO CIVIL OR CRIMINAL PENALTIES
PURSUANT TO ARIZONA REVISED STATUTES (A.R.S.) 49-502 OR 49-514.**



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 Phone: 602-506-6010 Fax: 602-372-0587
 AQPermits@maricopa.gov



DUST CONTROL PERMIT APPLICATION - SECTION 1, APPLICATION

Permit Number: E204795	For Office Use Only	<div style="border: 1px solid green; padding: 5px; display: inline-block;"> APPROVED By Mark Dunnigan at 4:49 pm, Apr 03, 2020 </div>
Date Issued: _____		

Application Submittal

Applications may be submitted online. When the application is completed in its entirety, go to Aqbillpay.maricopa.gov. Log into an existing account or register as a new user. Select "Dust Control Permit," attach application documents, then select "Make a Payment" to complete the submittal. For a current fee schedule, see Maricopa.gov/3571.

Applications may also be submitted in person or mailed to either of the following locations:

1. Maricopa County Air Quality Department, 3800 N. Central Ave., Suite 1400, Phoenix, AZ 85012
2. One Stop Shop, 501 N. 44th St., Suite 200, Phoenix, AZ 85008

For a completed application, a Dust Control Permit Application (section 1) and a Dust Control Plan (section 2) will need to be submitted. Rule 310, Section 402 (dust control plan requirements) requires the submission of a dust control plan with your application. The Dust Control Plan is located at Maricopa.gov/1818.

No-Permit Violations: Did you receive a no-permit violation? If so, provide the permit number given to you by the inspector	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Permit Number: _____
Is this a re-application? If "Yes", provide previous permit number	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Permit Number: _____
Provide and e-mail address where we can send the permit: <u>jagamezgar@sundt.com</u>	

A permit is valid for one year after the date of approval. You must re-apply for a permit more than 14 calendar days before the original permit expires. The re-application process may take up to 14 calendar days for review and processing (not including time for postal delivery) and must be approved prior to the expiration of the old permit.

Applicant Information

For all applicants, appropriate registration in the State of Arizona will be verified with the Arizona Corporation Commission or other applicable resources before a permit will be issued.

1. Applicant

Relationship to property (Check all that apply):

- Property Owner
 General/Prime Contractor
 Developer
 Lessee

Type of Entity:

- Corporation
 Limited Liability Company or Partnership
 Sole Proprietor
 Individual
 Government

Name: Sundt Construction, Inc.

Address: 2620 S. 55th Street City: Tempe

State: AZ Zip: 85282

Phone: (480) 293-3000 E-Mail Address: officeservices@sundt.com

2. Is applicant a wholly owned subsidiary of another company?

If "Yes", please provide all requested information below. If "No", please proceed to question 3. Yes No

Parent Company (if applicant is wholly owned subsidiary)

Type of Entity:

- Corporation
 Limited Liability Company or Partnership
 Sole Proprietor
 Individual
 Government

State of Incorporation or Registration: _____

Contact Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ E-Mail Address: _____



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3. Applicant President/Owner

Name: Lindsay Penzenstadler
 Address: 2620 S. 55th Street
 City: Tempe State: AZ Zip: 85282
 Phone: (602) 920-9265 E-Mail Address: lapenzenst@sundt.com

4. Property Owner/Developer (if not applicant)

Type of Entity:
 Corporation Limited Liability Company or Partnership Sole Proprietor Individual Government
 Company Name: Microsoft Corporation
 Address: One Microsoft Way
 City: Redmond State: WA Zip: 98052
 Contact Name: Chad Winegar Phone: (480) 708-2861
 E-Mail Address: Chad.Winegar@microsoft.com

5. Dust Control Coordinator

All sites with five or more acres of disturbed surface area that are subject to rule 310 must have a dust control coordinator on site at all times during dust-generating operations. The dust control coordinator(s) must complete 310 comprehensive training. List any additional dust control coordinators on a separate sheet of paper and attach to this application if necessary.

Name: _____
 Company Name: _____ Title: _____
 On-Site Phone: _____ Mobile: _____
 E-Mail Address: _____

6. Primary Project Contact

Provide a primary project contact/authorized on-site representative for this site. State if the primary project contact is already referenced in section 5 above or provide all of the following information.

Name: Jose A Gamez Garcia
 Company Name: Sundt Construction, Inc Title: Field Engineer
 On-Site Phone: (480) 364-6466 Mobile: (480) 364-6466
 E-Mail Address: jagamezgar@sundt.com

Project Information

7. Name of Project: MICROSOFT CORPORATION PHX10-11 DATA CENTER OFFSITE IMPROVEMENTS

8. Project Location

Address: W Broadway Rd and S Bullard Ave
 City: Goodyear State: AZ Zip: 85338
 Nearest Major Cross Street North/South: S Bullard Ave
 Nearest Major Cross Street East/West: W Broadway Rd
 County Assessor's Parcel Number(s) (required): Next to 500-07-984
 Master Plan Community Number(s) (if applicable): _____
 Geographic Coordinates (lat./long. coordinates of site entrance): 33.4063|-112.3726, 33.4135|-112.3707 & 33.4062|-112.3609



DUST CONTROL PERMIT APPLICATION - SECTION 1, APPLICATION

9. Project Location by Township (N or S), Range (E or W), Section (1-36)

Township: 1N Range: 1W Section: 21

10. Brief Project Description:

Roadway improvements of Broadway Rd at property frontage. Fire lane access road construction.

11. Size of Project

Total cubic yards of bulk material to be imported/exported: 11,000/14,600

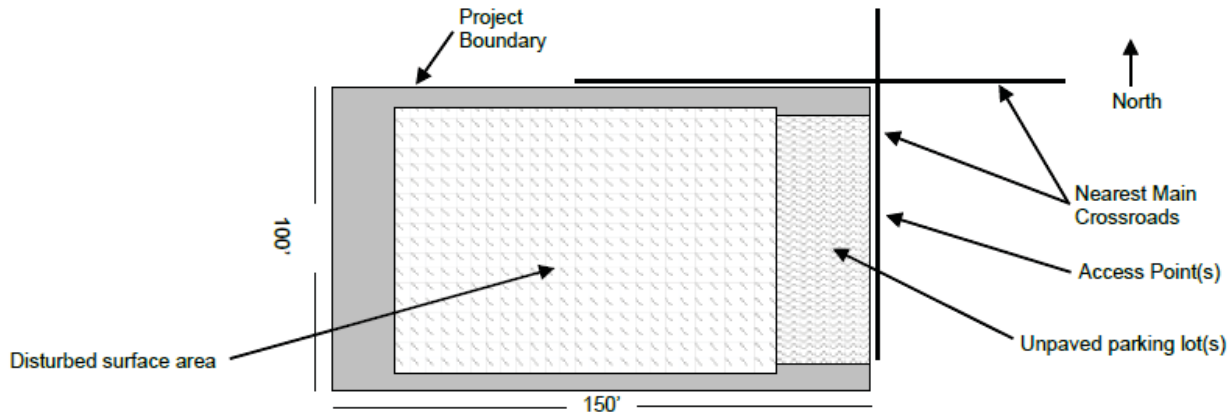
Total acres that will be disturbed throughout the duration of this permit including; staging areas, stockpiles, access and haul roads, parking, driveways, and temporary storage yards: 4.82 ac

12. Project Site Drawing: A dust control permit will not be issued unless a project site drawing is submitted.

Attach a separate document with a drawing showing all of the following elements:

- Entire project site boundaries and disturbed surface area boundaries
- Area to be disturbed with linear dimensions or certification of square footage (including staging areas, stockpiles, access and haul roads, parking, driveways, and storage)
- Nearest main crossroads
- North arrow
- Access point(s) - planned exit locations onto areas accessible to the public
- Unpaved parking lot(s)

Example (simplified, not to scale):



13. Estimated Project Start Date (month/day/year). If this is a re-application, list the original project start date: May 1, 2020

14. Estimated Project Completion Date (month/day/year). This date may be beyond the one year duration of the permit: Dec 31, 2020



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DUST CONTROL PERMIT APPLICATION - SECTION 1, APPLICATION

The Maricopa County Air Quality Department regulates all asbestos renovation and demolition within Maricopa County. An overview of Asbestos National Emission Standards for Hazardous Air Pollutants (NESHAP) requirements are available in the Asbestos NESHAP brochure at Maricopa.gov/DocumentCenter/View/5064.

15. Asbestos NESHAP Notification Requirements

Demolition: The wrecking or taking out of any load-supporting structural member of a facility together with any related handling operations or the intentional burning of a facility.

Renovation: Altering a facility or one or more facility components in any way, including the stripping or removal of regulated asbestos containing material (RACM) from a facility component.

15a. Does the project include demolition or renovation?

If "Yes", provide all requested information below. If "No", proceed to section 16.

Yes

No

15b. Description of demolition/renovation activities:

15c. Has the property ever been used as a ranch, farm, business or any other commercial or industrial purpose?

Yes

No

15d. Is there a guesthouse, more than one livable structure on the property, or is work being done in conjunction with another property in the area?

Yes

No

**If you answered "No" to both questions 15c and 15d, skip to section 16.
 If you answered "Yes" to either question 15c or 15d, proceed below.**

15e. Has an asbestos inspection been conducted by an AHERA certified building inspector within 12 months before any demolition/renovation activities?

Yes

No

15f. Has a 10-Day NESHAP notification form been submitted?

If "No", you may need to file a 10-day NESHAP notification form at Maricopa.gov/1701. For more information, contact the department at 602-506-6010.

Yes

No

15g. 10-Day NESHAP notification number: _____

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Demolition notification number on file: _____
 Renovation notification number on file: _____

Approved by: _____
 Date approved: _____



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DUST CONTROL PERMIT APPLICATION - SECTION 1, APPLICATION

Signature(s)

16. Certification by a Responsible Official of the Applicant

A Responsible Official of the Applicant is the person who will be contacted or named in any enforcement action initiated by the Maricopa County Air Quality Department or the Maricopa County Attorney's Office. Pursuant to Rule 310, Section 401.3, the signature on the Dust Control Permit Application shall constitute agreement to accept responsibility for meeting the conditions of the Dust Control Permit and for ensuring that control measures are implemented throughout the project site and during the duration of the project.

Arizona Revised Statute § 13-2704 makes it a criminal offense to knowingly make a false material statement to a public servant in connection with an application for any benefit, privilege, or license.

I hereby certify that, based on information and belief formed after reasonable inquiry, the statements and information in the Dust Control Permit Application, including Applicant Information, Project Information, and the Dust Control Plan, are true, accurate, and complete.

Notice of Regulatory Reform in accordance with A.R.S. §11-1604

- A. A county shall not base a licensing decision in whole or in part on a licensing requirement or condition that is not specifically authorized by statute, rule, ordinance or delegation agreement. A general grant of authority does not constitute a basis for imposing a licensing requirement or condition unless the authority specifically authorizes the requirement or condition.
- B. Unless specifically authorized, a county shall avoid duplication of other laws that do not enhance regulatory clarity and shall avoid dual permitting to the maximum extent practicable.
- C. This section does not prohibit county flexibility to issue licenses or adopt ordinances or codes.
- D. A county shall not request or initiate discussions with a person about waiving that person's rights.
- E. This section may be enforced in a private civil action and relief may be awarded against a county. The court may award reasonable attorney fees, damages and all fees associated with the license application to a party that prevails in an action against a county for a violation of this section.
- F. A county employee may not intentionally or knowingly violate this section. A violation of this section is cause for disciplinary action or dismissal pursuant to the county's adopted personnel policy.
- G. This section does not abrogate the immunity provided by section 12-820.01 or 12-820.02.

*Signature: _____ Date: 03/25/2020
 *(note: a signature is not required if this form is submitted online)
 Printed Name: Lindsay Penzenstadler Title: Project Manager

17. Application Completed By (if other than signatory)

Signature: _____ Date: 03/25/2020
 Printed Name: Jose Gamez Title: Field Engineer
 Phone: (480) 364-6466 E-Mail Address: jagamezgar@sundt.com



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DUST CONTROL PERMIT APPLICATION - SECTION 2, DUST CONTROL PLAN

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Permit Number: E204795	Date Issued: _____

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For a completed application, a Dust Control Permit Application (section 1) and a Dust Control Plan (section 2) will need to be submitted. Rule 310, Section 402 (dust control plan requirements) requires the submission of a dust control plan with your application. The following pages will become the dust control plan that will be followed for the project named in this permit.

Primary and Contingency Control Measures

Every category and/or sub-category requires at least one primary control measure and at least one contingency control measure. A contingency control measure is the back-up or secondary action(s) that need to immediately be implemented when the primary control measure(s) fails to adequately control dust emissions at the named project.

To indicate your choice, mark the box next to the appropriate letter, ("P" for primary and "C" for contingency) in front of each control measure(s) that you have chosen. Every category and/or sub-category requires at least one "P" primary and at least one "C" contingency.

- Categories and/or sub-categories of dust-generating operations (C1, C3, D1, E1, F and G) in the dust control plan have primary control measures required by rule 310. You will need to choose a contingency measure for these dust-generating operations if they are applicable to your project.
- Where there is a black box before a "P," the dust control measure **cannot** be used as a primary control measure. This measure may only be considered a contingency control measure when selected.
- Where there is a black box before a "C," the dust control measure **cannot** be used as a contingency control measure, and is required to be used as a primary control measure whenever that category and/or sub-category applies to a project.

Categories and/or Sub-Categories That are Not Applicable

When a category and/or sub-category does not apply to the named project this must be acknowledged by completely filling out the final entry in the category and/or sub-category. An explanation must be supplied for why the category and/or sub-category is not applicable. This is in addition to simply writing "NA" or "not applicable."

After your dust control permit application has been approved, you must post your dust control permit along with this dust control plan on site, as required by Rule 310, Section 409.



DUST CONTROL PERMIT APPLICATION - SECTION 2, DUST CONTROL PLAN

Category A: Vehicles/Motorized Equipment

A.1 Unpaved Staging Areas, Unpaved Parking Areas, and Unpaved Material Storage Areas

- P C Apply water (**fill out category I, "Water"**).
- P C Pave (Choose one of the following): Beginning of Project* During Project* End of Project*
 *Must specify additional primary control measure(s) that will be in place prior to paving.
- P C Apply and maintain gravel, recycled asphalt, or other suitable material.
- P C Apply and maintain dust suppressant(s), other than water (**fill out category J, "Dust Suppressants Other Than Water"**).
- P C Limit vehicle trips to no more than 20 per day per road and limit vehicle speeds to no more than 15 m.p.h. In the space provided: 1) list the maximum number of vehicle trips on the unpaved parking/staging/material storage areas each day (including number of employee vehicles, earthmoving equipment, haul trucks and water trucks), 2) provide a description of how vehicle speeds will be restricted to no more than 15 m.p.h., and 3) specify which area(s) this will apply to:

- P C Other: _____

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

A.2 Unpaved Access Areas / Haul Roads

- P C Apply water (**fill out category I, "Water"**).
- P C Pave (Choose one of the following): Beginning of Project* During Project* End of Project*
 *Must specify additional primary control measure(s) that will be in place prior to paving.
- P C Apply and maintain gravel, recycled asphalt, or other suitable material.
- P C Apply and maintain dust suppressant(s), other than water (**fill out category J, "Dust Suppressants Other Than Water"**).
- P C Limit vehicle trips to no more than 20 per day per road and limit vehicle speeds to no more than 15 m.p.h. In the space provided: 1) list the maximum number of vehicle trips on the unpaved parking/staging/material storage areas each day (including number of employee vehicles, earthmoving equipment, haul trucks and water trucks), 2) provide a description of how vehicle speeds will be restricted to no more than 15 m.p.h., and 3) specify which area(s) this will apply to:

- P C Cease operations. This option **cannot** be considered a primary control measure.
- P C Other: _____

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



DUST CONTROL PERMIT APPLICATION - SECTION 2, DUST CONTROL PLAN

Category B: Disturbed Surface Areas

B.1 Before Active Operations Occur

- P C Pre-water site to the depth of cuts (**fill out category I, "Water"**).
- P C Phase work to reduce the amount of disturbed surface area at any one time. Attach a map delineating the phases and their extent.
- P C Other: _____

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

B.2 During Active Operations

- P C Apply water or other suitable dust suppressant(s) other than water (**fill out category I, "Water" or category J, "Dust Suppressants Other Than Water"**).
- P C Apply water to maintain a soil moisture content at a minimum of 12% or at least 70% of the optimum soil moisture content for areas that have an optimum moisture content for compaction of less than 12% (**fill out category I, "Water"**).
- P C In conjunction with one of the above listed measures, construct fences or three-foot to five-foot high wind barriers with 50% or less porosity adjacent to roadways or urban areas to reduce the amount of windblown material leaving the site.
- P C Cease operations. This option **cannot** be considered a primary control measure.
- P C Other: _____

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

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

- P C Apply water (**fill out category I, "Water"**).
- P C Apply and maintain surface gravel or dust suppressant(s) other than water (**fill out category J, "Dust Suppressants Other Than Water"**).
- P C Cover open storage piles with tarps, plastic, or other materials such that wind will not remove the covering(s).
- P C Establish vegetative ground cover (landscaping).
- P C Other: _____

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



DUST CONTROL PERMIT APPLICATION - SECTION 2, DUST CONTROL PLAN

B.4 Permanent stabilization of disturbed surface areas required within ten days following the completion of the dust-generating operation if finished for a period of 30 days or longer

- | | | | | |
|-------------------------------------|---|--------------------------|---|---|
| <input checked="" type="checkbox"/> | P | <input type="checkbox"/> | C | Pave disturbed surface areas. |
| <input type="checkbox"/> | P | <input type="checkbox"/> | C | Apply and maintain gravel, recycled asphalt, or other suitable material. |
| <input type="checkbox"/> | P | <input type="checkbox"/> | C | Apply and maintain dust suppressant(s) other than water (fill out category J, "Dust Suppressants Other Than Water"). |
| <input type="checkbox"/> | P | <input type="checkbox"/> | C | Establish vegetative ground cover (landscaping). |
| <input type="checkbox"/> | P | <input type="checkbox"/> | C | Implement above control measures and restrict vehicle access to the area. |
| <input type="checkbox"/> | P | <input type="checkbox"/> | C | Apply water (fill out category I, "Water") and prevent access/trespassing by: |

(Check all of the following that apply)

- ditches fences berms shrubs trees other

- | | | | | |
|--------------------------|---|-------------------------------------|---|---|
| <input type="checkbox"/> | P | <input checked="" type="checkbox"/> | C | Restore area such that the vegetative ground cover and soil characteristics are similar to adjacent or nearby undisturbed native conditions (desert xeriscaping). |
| <input type="checkbox"/> | P | <input type="checkbox"/> | C | Other: _____ |

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

Category C: Bulk Material Handling

C.1 Off-Site Hauling onto Areas Accessible to the Public

- | | | | | |
|-------------------------------------|---|-------------------------------------|---|--|
| <input checked="" type="checkbox"/> | P | <input checked="" type="checkbox"/> | C | Required: Install, maintain, and use a suitable trackout control device that controls and prevents trackout and/or removes particulate matter from tires and the exterior surfaces of haul trucks and/or motor vehicles that traverse the site. |
| <input checked="" type="checkbox"/> | P | <input checked="" type="checkbox"/> | C | Required: When a cargo compartment is loaded, cover haul trucks with a tarp or other suitable closure <u>and</u> load all haul trucks such that the freeboard is not less than 3 inches, <u>and</u> 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 area, <u>and</u> prevent spillage or loss of bulk material from holes or other openings in the cargo compartment. |
| <input checked="" type="checkbox"/> | P | <input checked="" type="checkbox"/> | C | Required: When a cargo compartment is empty, cover haul trucks with a tarp or other suitable closure <u>or</u> clean the interior of the cargo compartment before leaving the site. |

The following options **cannot** be considered as a primary control measure.

- | | | | | |
|-------------------------------------|---|-------------------------------------|---|---|
| <input checked="" type="checkbox"/> | P | <input type="checkbox"/> | C | Apply water to the top of the load (fill out category I, "Water"). |
| <input checked="" type="checkbox"/> | P | <input type="checkbox"/> | C | Apply dust suppressant(s) other than water to the top of the load (fill out category J, "Dust Suppressants Other Than Water"). |
| <input checked="" type="checkbox"/> | P | <input checked="" type="checkbox"/> | C | Cease operations. |
| <input checked="" type="checkbox"/> | P | <input type="checkbox"/> | C | Other: _____ |

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



DUST CONTROL PERMIT APPLICATION - SECTION 2, DUST CONTROL PLAN

C.2 Hauling/Transporting within the Boundaries of the Work Site but not crossing an Area Accessible to the Public

- P C Limit vehicle speed to 15 m.p.h. or less while traveling on the work site.
- P C Apply water to the top of the load (**fill out category I, "Water"**).
- P C Apply dust suppressant(s) other than water to the top of the load (**fill out category J, "Dust Suppressants Other Than Water"**).
- P C Cover haul trucks with a tarp or other suitable closure.
- P C Cease operations. This option **cannot** be considered as a primary control measure.
- P C Other: _____

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

C.3 Hauling/Transporting within the Boundaries of the Work Site and crossing and/or accessing an Area Accessible to the Public

- P C **Required:** 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 area, and prevent spillage or loss of bulk material from holes or other openings in the cargo compartment, and install suitable trackout control device.

The following options **cannot** be considered as a primary control measure.

- P C Cease operations.
- P C Other: _____

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

C.4 Bulk Material Stacking, Loading, and Unloading Operations

- P C Prior to stacking, loading, and unloading, mix material with water or a dust suppressant other than water, and while stacking, loading, and unloading, apply water or a dust suppressant other than water to material (**fill out category I, "Water" or category J, "Dust Suppressants Other Than Water"**).

The following options **cannot** be considered as a primary control measure.

- P C Cease operations.
- P C Other: _____

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



DUST CONTROL PERMIT APPLICATION - SECTION 2, DUST CONTROL PLAN

C.5 Open Storage Piles

- P C Cover open storage piles with a tarp, plastic, or other material,
- P C Apply water to maintain soil moisture content at a minimum of 12% or maintain at least 70% of the optimum soil moisture content, for areas that have an optimum moisture content for compaction of less than 12% (**fill out category I, "Water"**).
- P C Maintain a visible crust.
- P C In conjunction with the two measures above, 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 to the pile height, and whose porosity is no more than 50%.
- P C Other: _____

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

Category D: Trackout, Carry-out, Spillage, and Erosions

D.1 Trackout Control Device

A trackout control device must be installed if a work site has 2 acres or more of disturbed surface area or if a work site has 100 cubic yards of bulk material hauled on-site or off-site per day.

- P C **Required:** Install at all exits to an area accessible to the public at least one of the following:
(choose all that apply)
- gravel pad grizzly or rumble grate wheel wash system paved area
- P C Cease operations.
- P C Other: _____

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



DUST CONTROL PERMIT APPLICATION - SECTION 2, DUST CONTROL PLAN

D.2 Cleaning of Trackout

Trackout/carry-out must be cleaned up **immediately** if trackout/carry-out extends a cumulative distance of 25 linear feet or more along an area accessible to the public, including curbs, gutters, and sidewalks.

All other trackout/carry-out must be cleaned up **no later than the end of the workday** (end of work day is the end of a working period that may include one or more work shifts. If working 24 hours a day, the end of a working period shall be considered no later than 8:00 p.m.).

- | | | | | |
|-------------------------------------|---|-------------------------------------|---|---|
| <input checked="" type="checkbox"/> | P | <input type="checkbox"/> | C | Operate a street sweeper or wet broom with sufficient water and at the manufacturer's recommended speed (e.g. kick broom, steel bristle broom, Teflon broom, vacuum). |
| <input type="checkbox"/> | P | <input checked="" type="checkbox"/> | C | Manually sweep-up deposits. |
| <input type="checkbox"/> | P | <input type="checkbox"/> | C | Other: _____ |

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

Category E: Weed Abatement by Discing or Blading

E.1 Disturbance Operations

- | | | | | |
|--------------------------|---|-------------------------------------|---|---|
| <input type="checkbox"/> | P | <input checked="" type="checkbox"/> | C | Required: Pre-water site <u>and</u> apply water during weed abatement by discing or blading (fill out category I, "Water"). |
|--------------------------|---|-------------------------------------|---|---|

The following options **cannot** be considered as a primary control measure.

- | | | | | |
|-------------------------------------|---|--------------------------|---|-------------------|
| <input checked="" type="checkbox"/> | P | <input type="checkbox"/> | C | Cease operations. |
| <input checked="" type="checkbox"/> | P | <input type="checkbox"/> | C | Other: _____ |

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

No weed abatement involved in project. Project is a roadway redevelopment.

E.2 Stabilization

- | | | | | |
|-------------------------------------|---|--------------------------|---|--|
| <input type="checkbox"/> | P | <input type="checkbox"/> | C | Pave immediately following weed abatement. |
| <input type="checkbox"/> | P | <input type="checkbox"/> | C | Apply gravel. |
| <input type="checkbox"/> | P | <input type="checkbox"/> | C | Apply water (fill out category I, "Water"). |
| <input type="checkbox"/> | P | <input type="checkbox"/> | C | Apply dust suppressant(s) other than water (fill out category J, "Dust Suppressants Other Than Water"). |
| <input checked="" type="checkbox"/> | P | <input type="checkbox"/> | C | Establish vegetative ground cover (landscaping). |
| <input type="checkbox"/> | P | <input type="checkbox"/> | C | Other: _____ |

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

no weed abatement



DUST CONTROL PERMIT APPLICATION - SECTION 2, DUST CONTROL PLAN

Category F: Blasting Operations

- P C **Required:** Pre-water and maintain surface soils in a stabilized condition where support equipment and vehicles will operate (**fill out category I, "Water"**).
- P C Apply water (**fill out category I, "Water"**).
- P C Apply and maintain dust suppressant(s) other than water (**fill out category J, "Dust Suppressants other Than Water"**).
- P C Other. This option **cannot** be considered as a primary control measure.

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

No blasting involved in project. Project is a roadway redevelopment.

Category G: Demolition Activities

- P C **Required:** Apply water or water in combination with dust suppressant(s) to demolition debris immediately following demolition activity (**fill out category I, "Water" or category J, "Dust Suppressants Other Than Water"**).
- and-
- P C **Required:** Apply water or water in combination with dust suppressant(s) to all surrounding areas and to all disturbed soil surfaces immediately following demolition activity (**fill out category I, "Water" or category J, "Dust Suppressants Other Than Water"**).

The following options **cannot** be considered as a primary control measure.

- P C Thoroughly clean debris from paved and other surfaces following demolition activity.
- P C Other: _____

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

No structural demolition involved in project. Project is a roadway redevelopment.

Category H: Wind-Blown Dust

- P C **Required:** Ensure that all control measures and requirements of this dust control plan are implemented and the subject violations cannot be prevented by better application, operation, or maintenance of these measures and requirements.
- P C Cease operations for the duration of the wind event and stabilize work area by meeting **at least one of the following** standards:
 - Maintain a soil crust.
 - Maintain a threshold friction velocity (TFV) for disturbed surface areas corrected for non-erodible elements of 100 cm/second or higher.
 - Maintain a vegetative ground cover (landscaping).
- P C Other: _____

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



Maricopa County Air Quality Department
 3800 N. Central Ave., Suite 1400, Phoenix, AZ 85012
 Phone: 602-506-6010 Fax: 602-372-0587
 AQPermits@maricopa.gov



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Category I: Water

For each of the different project phases, indicate how the water is to be stored on or supplied to the project site in the "Supply" column, specifying the quantity and size of the supply method (e.g. (2) 3,000 gallon water towers). Also, designate how the water will be applied to control dust-generation throughout the project lifetime in the "Application" column, stating the quantity and size of the application method (e.g. 1 fire hose, (3) 1,000 gal. water trucks). Minimum water availability means water supply in conjunction with the water application system.

Soil Rating: **Severe** **Moderate**

See Appendix F of the Maricopa County Air Pollution Control Regulations at Maricopa.gov/DocumentCenter/View/5309

Soil Texture Rating	Project Phase - Site Clearing / Removal of Vegetation / Debris / Demolition	
	Total Acres Disturbed	Minimum Water Available
Severe (clay, silty clay, sandy clay)	0 - 2 acres	500 - 1,000 gallons per day
	2 - 10 acres	1,000 - 5,000 gallons per day
	10 - 100 acres	5,000 - 50,000 gallons per day
	> 100 acres	> 50,000 gallons per day
Moderate (all other classifications)	0 - 2 acres	300 - 600 gallons per day
	2 - 10 acres	600 - 3,000 gallons per day
	10 - 100 acres	3,000 - 30,000 gallons per day
	> 100 acres	> 30,000 gallons per day

Average daily disturbance in acres: 2

Number of gallons per day: 1000

Supply	Quantity and Size
<input checked="" type="checkbox"/> Metered Hydrant	<u> 1 - 2" Outlet </u>
<input checked="" type="checkbox"/> Water Tower	<u> 1 - 12,000 Gal </u>
<input type="checkbox"/> Metered Pond	<u> </u>
<input type="checkbox"/> Off-Site	<u> </u>
<input type="checkbox"/> Other	<u> </u>

Application	Quantity and Size
<input type="checkbox"/> Hose	<u> </u>
<input checked="" type="checkbox"/> Water Truck	<u> 2 - 2,000 Gal </u>
<input type="checkbox"/> Water Pull	<u> </u>
<input type="checkbox"/> Water Buffalo	<u> </u>
<input type="checkbox"/> Other	<u> </u>



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Soil Texture Rating	Project Phase - Fine Grading	
	Total Acres Disturbed	Minimum Water Available
Severe (clay, silty clay, sandy clay)	0 - 2 acres	500 - 1,000 gallons per day
	2 - 10 acres	1,000 - 5,000 gallons per day
	10 - 100 acres	5,000 - 50,000 gallons per day
	> 100 acres	> 50,000 gallons per day
Moderate (all other classifications)	0 - 2 acres	300 - 600 gallons per day
	2 - 10 acres	600 - 3,000 gallons per day
	10 - 100 acres	3,000 - 30,000 gallons per day
	> 100 acres	> 30,000 gallons per day

Average daily disturbance in acres: 2

Number of gallons per day: 600

Supply

	Quantity and Size
<input checked="" type="checkbox"/> Metered Hydrant	<u>1 - 2" Outlet</u>
<input checked="" type="checkbox"/> Water Tower	<u>1 - 12,000 Gal</u>
<input type="checkbox"/> Metered Pond	_____
<input type="checkbox"/> Off-Site	_____
<input type="checkbox"/> Other	_____

Application

	Quantity and Size
<input type="checkbox"/> Hose	_____
<input checked="" type="checkbox"/> Water Truck	<u>1 - 2,000 Gal</u>
<input type="checkbox"/> Water Pull	_____
<input type="checkbox"/> Water Buffalo	_____
<input type="checkbox"/> Other	_____

Import/Export Operations

Number of yards involved in this phase: 25,600

Number of days for operation: 45

Number of yards imported/exported x 30 gallons of water per yard = 768,000 (Total gallons required)

Total gallons required divided by number of days: 17,067

Supply

	Quantity and Size
<input checked="" type="checkbox"/> Metered Hydrant	<u>1 - 2" Outlet</u>
<input checked="" type="checkbox"/> Water Tower	<u>1 - 12,000 Gal</u>
<input type="checkbox"/> Metered Pond	_____
<input type="checkbox"/> Off-Site	_____
<input type="checkbox"/> Other	_____

Application

	Quantity and Size
<input type="checkbox"/> Hose	_____
<input checked="" type="checkbox"/> Water Truck	<u>2 - 4,000 Gal</u>
<input type="checkbox"/> Water Pull	_____
<input type="checkbox"/> Water Buffalo	_____
<input type="checkbox"/> Other	_____



DUST CONTROL PERMIT APPLICATION - SECTION 2, DUST CONTROL PLAN

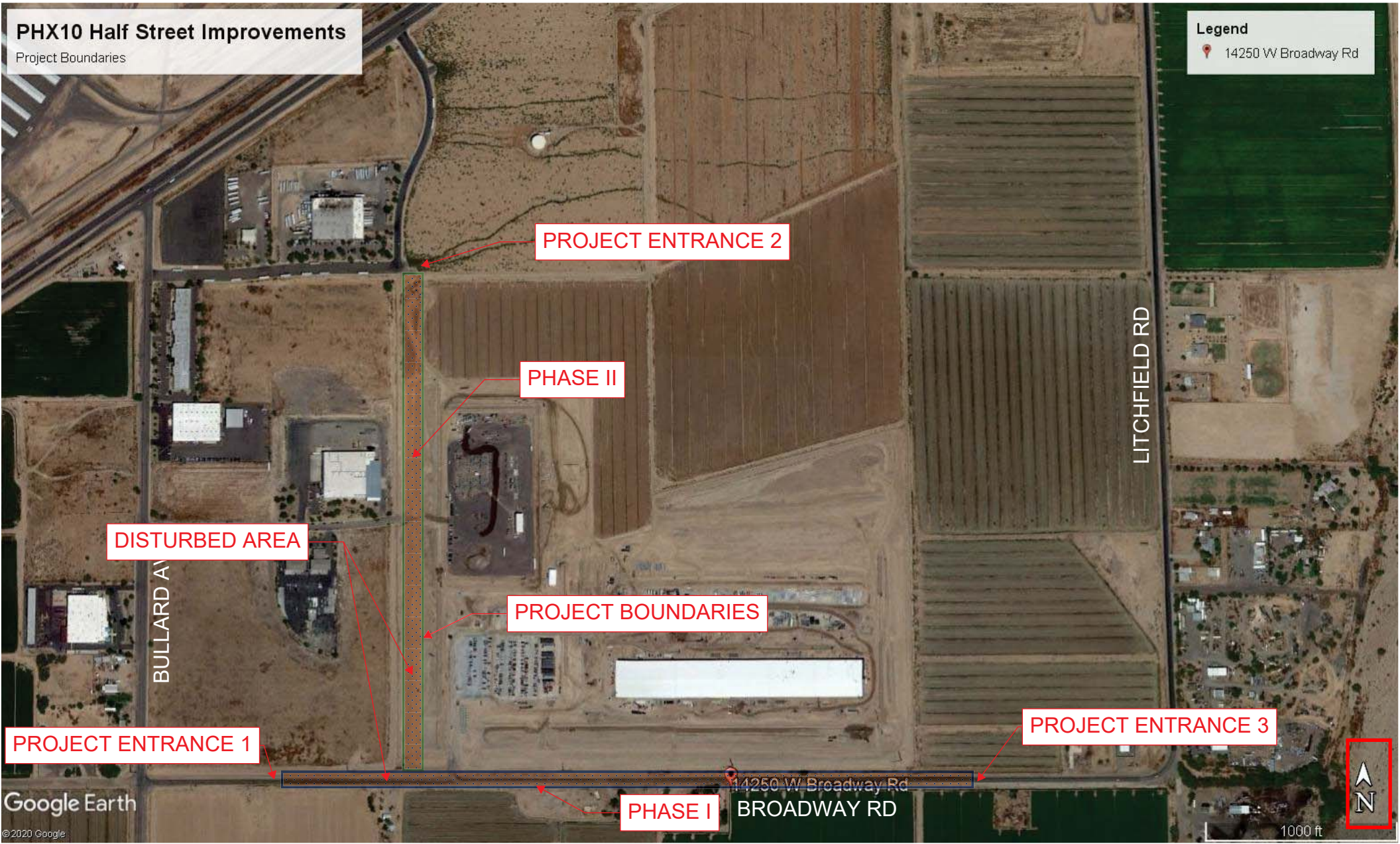
Category J: Dust Suppressants Other Than Water

Although water is a dust suppressant, the information required by Table J should not include information on water supply and water application. The information required by Table J is for all other dust suppressants that you use. Fill out the applicable areas in the table below and attach information on environmental impacts and approvals or certifications related to appropriate and safe use for ground application. Also, attach product specification(s) and application sheet(s) or label instructions.

Application Area	Manufacturer Name	Product	Application Frequency *	Intensity**
A Vehicles/Motorized Equipment				
B Disturbed Surface Areas				
C Bulk Material Handling				
D Trackout, Carry-out, Spillage, and Erosion				
E Weed Abatement by Discing or Blading				
F Blasting Operations				
G Demolition Activities				
H Wind Event				

*How often the surface will receive a complete application of dust suppressant (e.g. 3 times a day).

**The amount used over a period of time (e.g. gallons/minute).



PHX10 Half Street Improvements

Project Boundaries

Legend
 14250 W Broadway Rd

PROJECT ENTRANCE 2

PHASE II

LITCHFIELD RD

DISTURBED AREA

BULLARD AVE

PROJECT BOUNDARIES

PROJECT ENTRANCE 1

PROJECT ENTRANCE 3

PHASE I

14250 W Broadway Rd
BROADWAY RD



1000 ft

$$\frac{(2,600\text{ft} + 3,400\text{ft})(35\text{ft})}{43,560 \text{ sf/ac}} = 4.82 \text{ ac}$$