



# Utah Department of Environmental Quality

195 North 1950 West  
Salt Lake City, Utah 84114-4820  
Attn: DAQ, Fugitive Dust Control Plan

## Fugitive Dust Control Plan Application

**Applicants have the option to complete the online dust control plan on the DEQ Online Services webpage or to submit a hard copy application.**

**Activities regulated by R307-309 may not commence before obtaining approval of the fugitive dust control plan. Therefore, online filing is encouraged because it provides instant approval.**

*Blank spaces must be completed for the application to be processed. If not applicable, enter N/A.*

### 1. Applicant Information

Name: Jeff Harrison  
Address: 959 S 7900 E HUNTSVILLE, UT 84401  
Phone: 801-391-9800  
Email: clive@standerconstruction.com  
Applicant Type: Property Owner

### 2. Project Information

Project Name: Harrison Home  
Address: 959 S7900 E HUNTSVILLE, UT 84401  
County: WEBER  
Directions: south west  
Acreage: 1.5  
Latitude: 41.2288472  
Longitude: -111.9763389

### **3. Point of Contact**

Name: Clive Stander  
Company Name: stander Construction Company  
Address: 2220 E Jared Way Ogden, UT 84403  
Phone: 801-391-9800  
Fax:  
Cell: 801-391-9800

### **4. On-site Superintendent/Supervisor/Foreman Contact**

Name: Clive Stander  
Company Name: Stander Construction.com  
On-Site Phone: 801-391-9800  
Cell: 801-391-9800

### **5. By signing this permit application I certify that:**

**A. I am authorized, on behalf of the individual or company listed in Section 1, as Applicant, to apply for a Fugitive Dust Control Plan and to commit to all of the terms and conditions of the requested plan.**

**B. Construction activities will be limited to lands that the applicant either owns or is authorized to use for construction activities.**

**C. The applicant accepts responsibility for assuring that all contractors, subcontractors, and all other persons on the construction site covered by this plan, comply with the terms and conditions of the Fugitive Dust Control Plan.**

**D. I understand that any false material statement, representation or certification made in this application may invalidate the plan or cause me to be subject to enforcement action pursuant to Utah Code Ann. 19-2-115.**

**E. Failure to comply with fugitive dust rules may result in compliance action and penalties up to \$10,000 per violation/day.**

Date: 05/18/2015

Printed Name: Jeff Harrison

Title: Property Owner

Company Name: stander Construction Company

Dust Plan Number: 6293

# Dust Suppressants

	<b>Check All that Apply</b>
	Clay additives.
	Calcium chloride.
	Lime (calcium oxide).
	Magnesium chloride.
	Organic non-petroleum products, (ligninsulfonate, tall (pine) oil, and vegetable derivatives).
	Synthetic polymers (for example; polyvinyl acetate and vinyl acrylic).

# FUGITIVE DUST CONTROL PLAN

## PROJECT ACTIVITIES CHECKLIST INSTRUCTIONS:

PLACE A CHECK MARK NEXT TO EVERY ACTIVITY THAT WILL BE CONDUCTED ON THIS SITE, FOR EACH CHECKED ACTIVITY, COMPLETE THE CORRESPONDING CONTROL MEASURES/BEST MANAGEMENT PRACTICE (BMP) SELECTION PAGE. WHEN COMPLETED, YOU WILL HAVE THE OPTION TO PRINT THE ENTIRE PLAN.

	<b>Project Activity</b>	Check All that Apply
01	Backfilling area previously excavated or trenched.	<b>X</b>
02	Blasting soil & rock - drilling and blasting.	
03	Clearing for site preparation and vacant land cleanup.	<b>X</b>
04	Clearing forms, foundations, slab clearing and cleaning of forms, foundations and slabs prior to pouring concrete.	
05	Crushing of construction and demolition debris, rock and soil.	
06	Cut and fill soils for site grade preparation.	<b>X</b>
07	Demolition - Implosive demolition of a structure, using explosives.	
08	Demolition - mechanical/manual demolition of walls, stucco, concrete, freestanding structures, buildings and other structures.	
09	Disturbed soil throughout project including between structures. THIS ACTIVITY MUST BE SELECTED FOR ALL PROJECTS.	<b>X</b>
10	Disturbed land - long term stabilization and erosion control of large tracts of disturbed land that will not have continuing activity for more than 30 days.	<b>X</b>
11	Hauling materials.	<b>X</b>
12	Paving/subgrade preparation for paving streets, parking lots, etc.	
13	Sawing/cutting material, concrete, asphalt, block or pipe.	<b>X</b>
14	Screening of rock, soil or construction debris.	
15	Staging areas, equipment storage, vehicle parking lots, and material storage areas.	<b>X</b>
16	Stockpiles materials (storage), other soils, rock or debris, for future use or export.	<b>X</b>
17	Tailings piles, ponds and erosion control.	

18	Trackout Prevention and Cleanup of mud, silt and soil tracked out onto paved roads.	<b>X</b>
19	Traffic - unpaved routes and parking, construction related traffic on unpaved interior and/or access roads and unpaved employee/worker parking areas.	<b>X</b>
20	Trenching with track or wheel mounted excavator, shovel, backhoe or trencher.	<b>X</b>
21	Truck loading with materials including construction and demolition debris, rock and soil.	<b>X</b>

**GENERAL REQUIREMENT: ALL ACTIVITIES MUST MEET OPACITY REQUIREMENTS IN R307-309-5**

**MAKE AT LEAST ONE SELECTION FROM EACH SECTION.**

**Stabilize backfill material when not actively handling.**

<input checked="" type="checkbox"/> 01-01	Water backfill material to maintain moisture or to form crust.
<input type="checkbox"/> 01-02	Apply and maintain a chemical stabilizer to backfill material to form crust.
<input type="checkbox"/> 01-03	Cover (natural or synthetic) or enclose backfill material when not actively handling.

**Stabilize backfill material during handling.**

<input checked="" type="checkbox"/> 01-04	Empty loader bucket slowly and minimize drop height from loader bucket.
<input checked="" type="checkbox"/> 01-05	Dedicate water truck or large hose to backfilling equipment and apply water as needed.
<input checked="" type="checkbox"/> 01-06	Mix moist soil with dry soil until the optimum moisture is reached.
<input checked="" type="checkbox"/> 01-07	Apply and mix water into the backfill material until optimum moisture is reached.
<input type="checkbox"/> 01-08	Apply and mix water and chemical solution into the backfill material until optimum moisture is reached.

**Stabilize soil at completion of backfilling activity.**

<input checked="" type="checkbox"/> 01-09	Apply water and maintain disturbed soils in a stable condition.
<input type="checkbox"/> 01-10	Apply and maintain a chemical stabilizer on disturbed soils to form a crust.

**Stabilize material while using pipe padder equipment.**

<input type="checkbox"/> 01-11	Mix moist soil with dry soil until the optimum moisture is reached.
<input type="checkbox"/> 01-12	Dedicate water truck or large hose to equipment and apply water as needed.
<input checked="" type="checkbox"/> 01-13	Not Applicable

**GENERAL REQUIREMENT: ALL ACTIVITIES MUST MEET OPACITY REQUIREMENTS IN R307-309-5**

**MAKE AT LEAST ONE SELECTION FROM EACH SECTION.**

**Stabilize surface soils where support equipment and vehicles will operate.**

03-01

Pre-water and maintain surface soils in a stabilized condition.

03-02

Apply and maintain a chemical stabilizer on surface soils.

**Stabilize disturbed soil immediately after clearing and grubbing activities.**

03-03

Water disturbed soils to form crust.

03-04

Apply and maintain a chemical stabilizer on disturbed soils to form crust.

**Stabilize slopes at completion of activity.**

03-05

Stabilize sloping surfaces using soil binders until vegetation or ground cover can effectively stabilize the slope.

03-06

Apply water and maintain sloping surfaces/wind breaks in a crusted condition.

**Cut and fill soils for site grade preparation.**

**BMP 06**

**GENERAL REQUIREMENT: ALL ACTIVITIES MUST MEET OPACITY REQUIREMENTS IN R307-309-5**

**MAKE AT LEAST ONE SELECTION FROM EACH SECTION.**

**Stabilize surface soils where support equipment and vehicles will operate.**

06-01

Pre-water and maintain surface soils in a stabilized condition.

06-02

Apply and maintain a chemical stabilizer to surface soils.

**Pre-water soils.**

06-03

Dig a test hole to depth of cut or equipment penetration to determine if soils are moist at depth. Continue to pre-water if not moist to depth of cut.

**Stabilize soil during cut activities.**

06-04

Apply water to depth of cut prior to subsequent cuts.

**Stabilize soil after cut and fill activities.**

06-05

Water disturbed soils to maintain moisture.

06-06

Apply and maintain a chemical stabilizer on disturbed soils to form crust following fill and compaction.

06-07

Apply cover (natural or synthetic).

**Disturbed soil throughout project including between structures. THIS  
ACTIVITY MUST BE SELECTED FOR ALL PROJECTS.**

**BMP 09**

**GENERAL REQUIREMENT: ALL ACTIVITIES MUST MEET OPACITY REQUIREMENTS IN  
R307-309-5**

**MAKE AT LEAST ONE SELECTION FROM EACH SECTION.**

**Limit disturbance of soils where possible.**

<u>  </u> 09-01	Limit disturbance of soils with the use of fencing, barriers, barricades, and/or wind barriers.
<u>X</u> 09-02	Limit vehicle mileage and reduce speed.

**Stabilize and maintain stability of all disturbed soil throughout construction site.**

<u>X</u> 09-03	Apply water to stabilize disturbed soils. Soil moisture must be maintained such that soils can be worked without generating fugitive dust.
<u>  </u> 09-04	Apply and maintain a chemical stabilizer.
<u>  </u> 09-05	Use wind breaks.
<u>  </u> 09-06	Apply cover (natural or synthetic).

**Disturbed land - long term stabilization and erosion control of large tracts of disturbed land that will not have continuing activity for more than 30 days.** **BMP 10**

**GENERAL REQUIREMENT: ALL ACTIVITIES MUST MEET OPACITY REQUIREMENTS IN R307-309-5**

**MAKE AT LEAST ONE SELECTION FROM EACH SECTION.**

**Prevent access to limit soil disturbance.**

10-01

Prevent access by fencing, ditches, vegetation, berms or other suitable barrier.

**Stabilize soil.**

10-02

Apply and maintain a chemical stabilizer on disturbed soils.

10-03

Stabilize disturbed soil with vegetation.

10-04

Pave or apply surface rock.

10-05

Use wind breaks.

10-06

Apply water and maintain soil moisture sufficient to avoid generating fugitive dust.

**GENERAL REQUIREMENT: ALL ACTIVITIES MUST MEET OPACITY REQUIREMENTS IN R307-309-5**

**MAKE AT LEAST ONE SELECTION FROM EACH SECTION.**

**Limit visible dust opacity from vehicular operations.**

- |   |   |
|---|---|
| <input type="checkbox"/> 11-01            | Apply and maintain water/chemical suppressant to operational areas and haul routes. |
| <input checked="" type="checkbox"/> 11-02 | Limit vehicle mileage and speed.  |

**Stabilize materials during transport on site.**

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> 11-03 | Use tarps or other suitable enclosures on haul trucks. |
| <input checked="" type="checkbox"/> 11-04 | Apply water prior to transport.                        |

**Clean wheels and undercarriage of haul trucks prior to leaving construction site.**

- |   |                           |
|---|---------------------------|
| <input checked="" type="checkbox"/> 11-05 | Clean wheels.             |
| <input type="checkbox"/> 11-06            | Sweep or water haul road. |

Sawing/cutting material, concrete, asphalt, block or pipe.

BMP 13

**GENERAL REQUIREMENT: ALL ACTIVITIES MUST MEET OPACITY REQUIREMENTS IN R307-309-5**

**MAKE AT LEAST ONE SELECTION.**

**Limit visible emissions.**

13-01

Use water control to dust.

13-02

Use a vacuum to collect dust.

<b>Staging areas, equipment storage, vehicle parking lots, and material storage areas.</b>	<b>BMP 15</b>
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**GENERAL REQUIREMENT: ALL ACTIVITIES MUST MEET OPACITY REQUIREMENTS IN R307-309-5**

**MAKE AT LEAST ONE SELECTION FROM EACH SECTION.**

**Limit visible dust opacity from vehicular operations.**

<u>X</u> 15-01	Limit vehicle mileage and speed.
<u>X</u> 15-02	Apply water on all vehicle traffic areas in the staging areas and unpaved access routes.

**Stabilize staging area soils during use.**

<u>X</u> 15-03	Pre-water and maintain surface soils in a stabilized condition.
<u>  </u> 15-04	Apply and maintain a chemical stabilizer to surface soils.

**Stabilize staging area soils at project completion.**

<u>  </u> 15-05	Apply a chemical stabilizer.
<u>X</u> 15-06	Apply screened or washed aggregate.
<u>  </u> 15-07	Use wind breaks.
<u>  </u> 15-08	Pave.
<u>  </u> 15-09	Completed project will cover staging area with buildings, paving, and/or landscaping.
<u>X</u> 15-10	Apply water to form adequate crust and prevent access.

**Stockpiles materials (storage), other soils, rock or debris, for future use or export.**

**BMP 16**

**GENERAL REQUIREMENT: ALL ACTIVITIES MUST MEET OPACITY REQUIREMENTS IN R307-309-5**

**MAKE AT LEAST ONE SELECTION FROM EACH SECTION.**

**Stabilize surface soils where support equipment and vehicles will operate.**

<input checked="" type="checkbox"/> 16-01	Pre-water and maintain surface soils in a stabilized condition.
<input type="checkbox"/> 16-02	Apply and maintain a chemical stabilizer on surface soils.
<input type="checkbox"/> 16-03	Pave area.

**Stabilize stockpile materials during handling.**

<input checked="" type="checkbox"/> 16-04	Remove material from the downwind side of the stockpile, when safe to do so.
<input checked="" type="checkbox"/> 16-05	Reduce height.
<input type="checkbox"/> 16-06	Create wind screen

**Stabilize stockpiles after handling.**

<input checked="" type="checkbox"/> 16-07	Water stockpiles to form a crust immediately.
<input type="checkbox"/> 16-08	Apply and maintain a chemical stabilizer to all outer surfaces of the stockpiles.
<input type="checkbox"/> 16-09	Provide and maintain wind barriers on 3 sides of the pile.
<input type="checkbox"/> 16-10	Apply a cover (natural or synthetic)
<input type="checkbox"/> 16-11	Wind screen.
<input checked="" type="checkbox"/> 16-12	Avoid steep sides to prevent material sloughing.
<input checked="" type="checkbox"/> 16-13	Reduce height.

**Trackout Prevention and Cleanup of mud, silt and soil tracked out onto paved roads.**

**BMP 18**

**GENERAL REQUIREMENT: ALL ACTIVITIES MUST MEET OPACITY REQUIREMENTS IN R307-309-5**

**MAKE AT LEAST ONE SELECTION FROM EACH SECTION.**

**Prevent dust from trackout.**

<input type="checkbox"/> 18-01	Clean trackout at the end of the work shift from paved surfaces to maintain dust control
<input type="checkbox"/> 18-02	Maintain dust control during working hours and clean trackout from paved surfaces at the end of the work shift/day.
<input checked="" type="checkbox"/> 18-03	Install gravel pad(s), clean, well-graded gravel or crushed rock. Minimum dimensions must be 30 feet wide by 3 inches deep, and, at minimum, 50' or the length of the longest haul truck, whichever is greater. Re-screen, wash or apply additional rock in gravel pad to maintain effectiveness.
<input type="checkbox"/> 18-04	Install wheel shakers. Clean wheel shakers on a regular basis to maintain effectiveness.
<input type="checkbox"/> 18-05	Install wheel washers. Maintain wheel washers on a regular basis to maintain effectiveness.
<input type="checkbox"/> 18-06	Motorized vehicles will only operate on paved surfaces.
<input type="checkbox"/> 18-07	Install cattle guard before paved road entrance.

**All exiting traffic must be routed over selected trackout control device(s).**

<input checked="" type="checkbox"/> 18-08	Clearly establish and enforce traffic patterns to route traffic over selected trackout control device(s).
<input type="checkbox"/> 18-09	Limit site accessibility to routes with trackout control devices in place by installing effective barriers on unprotected routes.

**Traffic - unpaved routes and parking, construction related traffic on unpaved interior and/or access roads and unpaved employee/worker parking areas.**

**BMP 19**

**GENERAL REQUIREMENT: ALL ACTIVITIES MUST MEET OPACITY REQUIREMENTS IN R307-309-5**

**MAKE AT LEAST ONE SELECTION.**

**Stabilize surface soils where support equipment and vehicles will operate.**

<input checked="" type="checkbox"/> 19-01	Limit vehicle mileage and speeds.
<input checked="" type="checkbox"/> 19-02	Apply and maintain water on surface soils.
<input type="checkbox"/> 19-03	Apply and maintain chemical stabilizers on surface soils.
<input type="checkbox"/> 19-04	Apply and maintain gravel on surface soils.
<input type="checkbox"/> 19-05	Supplement chemical stabilizers, water or aggregate applications as necessary.
<input type="checkbox"/> 19-06	Apply recycled asphalt (RAP) to surface soils.

Trenching with track or wheel mounted excavator, shovel, backhoe or trencher.

BMP 20

**GENERAL REQUIREMENT: ALL ACTIVITIES MUST MEET OPACITY REQUIREMENTS IN R307-309-5**

**MAKE AT LEAST ONE SELECTION FROM EACH SECTION.**

**Presoak soils prior to trenching activities.**

20-01

Pre-water surface.

**Stabilize surface soils where trenching equipment, support equipment and vehicles will operate.**

20-02

Pre-water and maintain surface soils in a stabilized condition.

20-03

Apply and maintain a chemical stabilizer to surface soils.

20-04

Limit mileage and speed.

**Stabilize soils after trenching.**

20-05

Apply and maintain water on excavated soil.

20-06

Apply and maintain chemical stabilizer on excavated soil.

**Truck loading with materials including construction and demolition debris,  
rock and soil.**

**BMP 21**

**GENERAL REQUIREMENT: ALL ACTIVITIES MUST MEET OPACITY REQUIREMENTS IN  
R307-309-5**

**MAKE AT LEAST ONE SELECTION.**

21-01

Pre-water and maintain surface soils in a stabilized condition where loaders,  
support equipment and vehicles will operate.

21-02

Apply and maintain a chemical stabilizer on surface soils where loaders,  
support equipment and vehicles will operate.

21-03

Empty loader bucket slowly and keep loader bucket close to the truck to  
minimize the drop height while dumping.