

Stormwater Pollution Prevention Plan

for:

Eagle Ridge Phase 7
Eagle Ridge Drive
Eden, Utah

Operator(s):

Kapp Construction & Development
1595 West 3300 South
Ogden, Utah 84401
801-393-7360
801-393-8241

SWPPP Contact(s):

Kapp Construction & Development
Michelle Collins
1595 West 3300 South
Ogden, Utah 84401
801-393-7360
801-393-8241

SWPPP Preparation Date:
04 /07/2014_

Estimated Project Dates:

Project Start Date: _04/08/2014
Project Completion Date: __12_ /31 / 2014

SECTION 1: SITE EVALUATION, ASSESSMENT, AND PLANNING

1.1 Project/Site Information

Project/Site Name: Eagle Ridge Phase 7

Project Street/Location: Eagle Ridge Drive

City: Eden Ut ZIP Code:

County or Similar Subdivision: Weber County

Latitude/Longitude (Use **one** of three possible formats, and specify method)

Latitude:

1. 41 ° 33 57 32 N (degrees, minutes, seconds)

2. ° ' N (degrees, minutes, decimal)

3. ° N (decimal)

Longitude:

1. -111 ° 83 03 05 W (degrees, minutes, seconds)

2. ° ' W (degrees, minutes, decimal)

3. ° W (decimal)

Method for determining latitude/longitude:

USGS topographic map (specify scale:) EPA Web site GPS

Other (please specify):

Is the project located in Indian country? Yes No

If yes, name of Reservation, or if not part of a Reservation, indicate "not applicable."

Is this project considered a federal facility? Yes No

NPDES project or permit tracking number*: UTR366959

**(This is the unique identifying number assigned to your project by your permitting authority after you have applied for coverage under the appropriate National Pollutant Discharge Elimination System (NPDES) construction general permit.)*

1.2 Contact Information/Responsible Parties

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Operator(s):

Kapp Construction & Development:
Michelle Collins:
1595 West 3300 South:
Ogden, Utah 84401:
801-393-73601:
michelle@kappcompanies.com:

:

Project Manager(s) or Site Supervisor(s):

Kapp Construction & Development:
Roger Mills:
1595 West 3300 South :
Ogden, Utah 84401
801-393-7360
801393-8241
Eagle Ridge –Eden, Utah:

SWPPP Contact(s):

Kapp Construction :
Michelle Collins
1595 West 3300 South
Ogden, Utah 84401
801-393-7360
michelle@kappcompanies.com

This SWPPP was Prepared by:

Kapp Construction
Michelle Collins
1595 West 3300 South
Ogden, Utah 84401
801-393-7360
michelle@kappcompanies.com

Subcontractor(s):

Emergency 24-Hour Contact:

Kapp Construction
Roger Mills
801-430-2296

1.3 Nature and Sequence of Construction Activity

Describe the general scope of the work for the project, major phases of construction, etc:

Install new water line, sewer manholes, utilities

What is the function of the construction activity?

Residential Commercial Industrial Road Construction Linear Utility

Other (please specify):

Estimated Project Start Date: 04/10/2014

Estimated Project Completion Date: 12/31/2014

1.4 Soils, Slopes, Vegetation, and Current Drainage Patterns

Soil type(s): Soil type C

Slopes (describe current slopes and note any changes due to grading or fill activities):

Slope on west side of job site. Has natural vegetation

Drainage Patterns (describe current drainage patterns and note any changes due to grading or fill activities): natural drainage into existing catch pond for this purpose

Vegetation: Natural vegetation common to this area.

Other:

1.5 Construction Site Estimates

The following are estimates of the construction site.

Total project area:	20 acres
Construction site area to be disturbed:	20 acres
Percentage impervious area before construction:	80%
Runoff coefficient before construction:	40%
Percentage impervious area after construction:	100%
Runoff coefficient after construction	40%

1.6 Receiving Waters



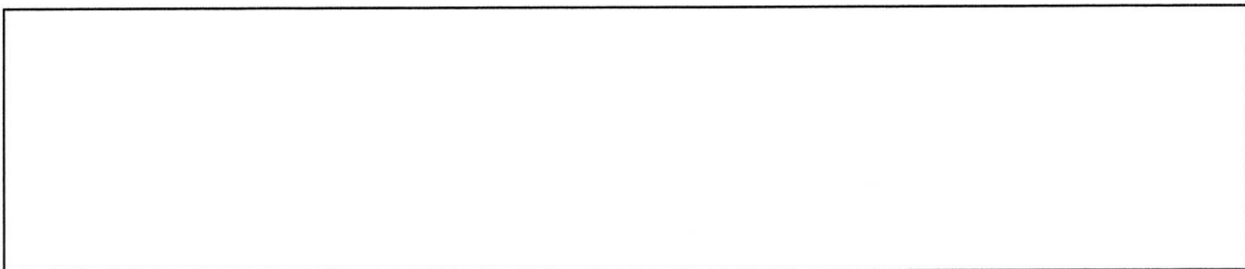
Description of receiving waters: Great Salt Lake

Description of storm sewer systems: Weber County

Description of impaired waters or waters subject to TMDLs: Natural drainage

Other:

1.7 Site Features and Sensitive Areas to be Protected



Description of unique features that are to be preserved: Natural slope on west side.

Describe measures to protect these features:

1.8 Potential Sources of Pollution

Potential sources of sediment to stormwater runoff:

Snow and rain could cause run off on west side slope

Potential pollutants and sources, other than sediment, to stormwater runoff:

Dirt and road base could run off into sediment pond

Trade Name Material	Stormwater Pollutants	Location
Kapp Construction	Dirt/road base	West Side of Job site

1.9 Endangered Species Certification

Are endangered or threatened species and critical habitats on or near the project area?

Yes No

Describe how this determination was made:

[Wild Life web site.](#), [Existing homes in the area](#)

If yes, describe the species and/or critical habitat:

1.10 Historic Preservation

Are there any historic sites on or near the construction site?

Yes No

Describe how this determination was made:

Historical Page

If yes, describe or refer to documentation that determines the likelihood of an impact on this historic site and the steps taken to address that impact.

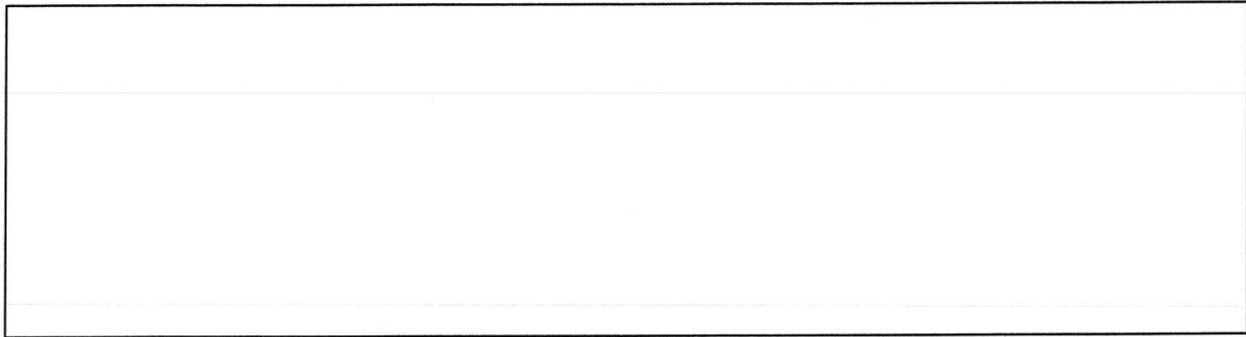
[INSERT TEXT HERE](#)

1.11 Applicable Federal, Tribal, State or Local Programs

1.12 Maps

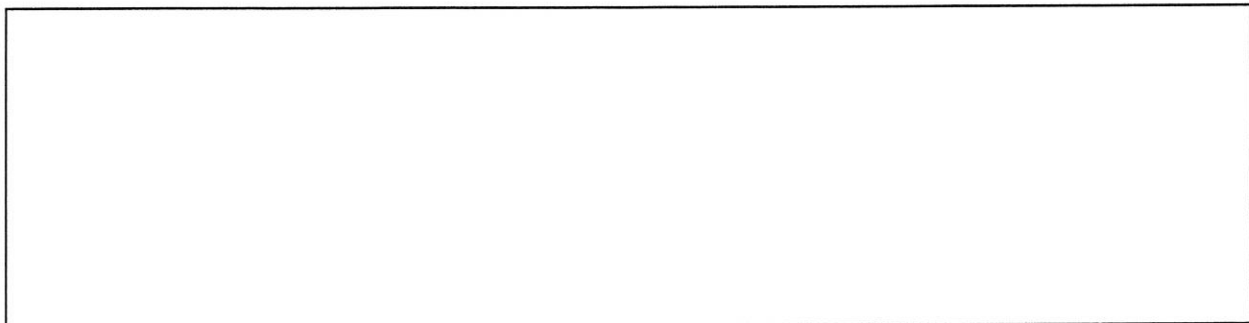
Include the site maps with the SWPPP.

SECTION 2: EROSION AND SEDIMENT CONTROL BMPS



Water Truck as needed. Straw sediment logs around new catch basin's. Straw sediment log at west side job at the bottom of hill.

2.1 Minimize Disturbed Area and Protect Natural Features and Soil



Natural berm's
Natural

2.2 Phase Construction Activity

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2.3 Control Stormwater Flowing onto and through the Project

BMP Description: Straw sediment logs around catch basin and sewer boxes

Installation Schedule:	As needed
Maintenance and Inspection:	Dailey inspection and as needed
Responsible Staff:	Crew on site

BMP Description: Water truck for Dust control

Installation Schedule:	As needed
Maintenance and Inspection:	Dailey as needed
Responsible Staff:	Crew on site

2.4 Stabilize Soils

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BMP Description: *Water truck*

Permanent *Temporary*

Installation Schedule:	As needed
Maintenance and Inspection:	Daily inspection
Responsible Staff:	As needed

BMP Description:

Permanent *Temporary*

Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

2.5 Protect Slopes

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BMP Description: *Straw sediment logs*

Installation Schedule:	At beginning of job
Maintenance and Inspection:	Daily as needed
Responsible Staff:	Crew on site

BMP Description:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

Repeat as needed

2.6 Protect Storm Drain Inlets

BMP Description: Sediment logs as installed	
Installation Schedule:	Daily
Maintenance and Inspection:	As needed
Responsible Staff:	Crew

BMP Description:	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

Repeat as needed

2.7 Establish Perimeter Controls and Sediment Barriers

Instructions:

- Describe structural practices (e.g., silt fences or fiber rolls) including design specifications and details to filter and trap sediment before it leaves the construction site. (For more information, see *SWPPP Guide*, Chapter 4, ESC Principle 7.)
- Also see, EPA's *Silt Fence BMP Fact Sheet* at www.epa.gov/npdes/stormwater/menuofbmps/construction/silt_fences, or *Fiber Rolls BMP Fact Sheet* at www.epa.gov/npdes/stormwater/menuofbmps/construction/fiber_rolls

BMP Description:

Installation Schedule:

Maintenance and Inspection:

Responsible Staff:

BMP Description:

Installation Schedule:

Maintenance and Inspection:

Responsible Staff:

Repeat as needed

2.8 Retain Sediment On-Site

Instructions:

- Describe sediment control practices (e.g., sediment trap or sediment basin), including design specifications and details (volume, dimensions, outlet structure) that will be implemented at the construction site to retain sediments on-site. (For more information, see *SWPPP Guide*, Chapter 4, ESC Principle 8.)
- Also, see EPA's *Sediment Basin BMP Fact Sheet* at www.epa.gov/npdes/stormwater/menuofbmps/construction/sediment_basins

BMP Description:

Installation Schedule:

Maintenance and Inspection:

Responsible Staff:

BMP Description:

<i>Installation Schedule:</i>	
<i>Maintenance and Inspection:</i>	
<i>Responsible Staff:</i>	

Repeat as needed

2.9 Establish Stabilized Construction Exits

<p>Instructions:</p> <ul style="list-style-type: none"> – Describe location(s) of vehicle entrance(s) and exit(s), procedures to remove accumulated sediment off-site (e.g., vehicle tracking), and stabilization practices (e.g., stone pads or wash racks or both) to minimize off-site vehicle tracking of sediments and discharges to stormwater. (For more information, see <i>SWPPP Guide</i>, Chapter 4, ESC Principle 9.) – Also, see EPA's <i>Construction Entrances BMP Fact Sheet</i> at www.epa.gov/npdes/stormwater/menuofbmps/construction/cons_entrance.
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BMP Description:

<i>Installation Schedule:</i>	
<i>Maintenance and Inspection:</i>	
<i>Responsible Staff:</i>	

BMP Description:

<i>Installation Schedule:</i>	
<i>Maintenance and Inspection:</i>	
<i>Responsible Staff:</i>	

Repeat as needed

2.10 Additional BMPs

Instructions:

- Describe additional BMPs that do not fit into the above categories.

BMP Description:

Installation Schedule:

***Maintenance and
Inspection:***

Responsible Staff:

BMP Description:

Installation Schedule:

***Maintenance and
Inspection:***

Responsible Staff:

Repeat as needed

SECTION 3: GOOD HOUSEKEEPING BMPS

3.1 Material Handling and Waste Management

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BMP Description:

<i>Installation Schedule:</i>	
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<i>Maintenance and Inspection:</i>	
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<i>Responsible Staff:</i>	
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BMP Description:

<i>Installation Schedule:</i>	
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<i>Maintenance and Inspection:</i>	
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<i>Responsible Staff:</i>	
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3.2 Establish Proper Building Material Staging Areas

Instructions:

- Describe construction materials expected to be stored on-site and procedures for storage of materials to minimize exposure of the materials to stormwater. (For more information, see *SWPPP Guide*, Chapter 5, P2 Principle 2.)

BMP Description: *Material will be kept on site near storage shed.*

Installation Schedule:	As needed
Maintenance and Inspection:	Daily inspection
Responsible Staff:	crew

4

BMP Description:

Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

Repeat as needed

3.3 Designate Washout Areas

BMP Description: *Will be installed as needed*

Installation Schedule:	Curb and gutter phase
Maintenance and Inspection:	Daily as needed crew
Responsible Staff:	

BMP Description:

Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

3.4 Establish Proper Equipment/Vehicle Fueling and Maintenance Practices

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BMP Description: *Fueling will be done from fuel truck*

Installation Schedule:	As needed
Maintenance and Inspection:	Daily
Responsible Staff:	crew

BMP Description:

Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

BMP Description:

Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

BMP Description:

Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

3.6 Spill Prevention and Control Plan

Employees have been trained in hazamt

3.7 Any Additional BMPs

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BMP Description: As needed

<i>Installation Schedule:</i>	
<i>Maintenance and Inspection:</i>	
<i>Responsible Staff:</i>	

BMP Description:

<i>Installation Schedule:</i>	
<i>Maintenance and Inspection:</i>	
<i>Responsible Staff:</i>	

Repeat as needed

3.8 Allowable Non-Stormwater Discharge Management

BMP Description: Pump into sediment pind

<i>Installation Schedule:</i>	As needed
<i>Maintenance and Inspection:</i>	daily
<i>Responsible Staff:</i>	

BMP Description: water Truck

<i>Installation Schedule:</i>	As needed
<i>Maintenance and Inspection:</i>	Dailey as needed
<i>Responsible Staff:</i>	crew

SECTION 4: SELECTING POST-CONSTRUCTION BMPs

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BMP Description: Sediment pond

<i>Installation Schedule:</i>	04/01/2014
<i>Maintenance and Inspection:</i>	As needed
<i>Responsible Staff:</i>	crew

BMP Description: Natural landscape

<i>Installation Schedule:</i>	As need
<i>Maintenance and Inspection:</i>	As need
<i>Responsible Staff:</i>	

SECTION 5: INSPECTIONS

5.1 *Inspections*

Instructions:

- Identify the individual(s) responsible for conducting inspections and describe their qualifications. Reference or attach the inspection form that will be used.
- Describe the frequency that inspections will occur at your site including any correlations to storm frequency and intensity.
- Note that inspection details for particular BMPs should be included in Sections 2 and 3.
- You should also document the repairs and maintenance that you undertake as a result of your inspections. These actions can be documented in the corrective action log described in Part 5.3 below.
- For more on this topic, see *SWPPP Guide*, Chapters 6 and 8.
- Also, see suggested inspection form in Appendix B of the *SWPPP Guide*.

1. *Inspection Personnel- Michelle Collins- SWPP, RSI*

2. *Inspection Schedule and Procedures: Weekly. Problems addressed as needed*

Problems with inspections will corrected as soon as possible with the jobsite foremen:

Attach a copy of the inspection report you will use for your site.

[REFERENCE ATTACHMENT](#)

5.2 Delegation of Authority

Instructions:

- Identify the individual(s) or specifically describe the position where the construction site operator has delegated authority for the purposes of signing inspection reports, certifications, or other information.
- Attach the delegation of authority form that will be used.
- For more on this topic, see *SWPPP Guide*, Chapter 7.

Duly Authorized Representative(s) or Position(s):

Kapp Construction & Development
Michelle Collins
SWPP/Safety
1595 West 3300 South
Ogden, Utah 84401
801-393-7360:
michelle@kappcompanies.com

Attach a copy of the signed delegation of authority form in Appendix K.

5.3 Corrective Action Log

Corrective Action Log:

INSERT LOG HERE or REFERENCE ATTACHMENT

Corrective Action Log

Project Name: Eagle Ridge Phase 7
 SWPPP Contact: Michelle Collins

Inspection Date	Inspector Name(s)	Description of BMP Deficiency	Corrective Action Needed (including planned date/responsible person)	Date Action Taken/Responsible person

SECTION 6: RECORDKEEPING AND TRAINING

6.1 *Recordkeeping*

Records will be retained for a minimum period of at least 3 years after the permit is terminated.

Date(s) when major grading activities occur:

INSERT LOG HERE or REFERENCE ATTACHMENT

Date(s) when construction activities temporarily or permanently cease on a portion of the site:

INSERT LOG HERE or REFERENCE ATTACHMENT

Date(s) when an area is either temporarily or permanently stabilized:

INSERT LOG HERE or REFERENCE ATTACHMENT

6.2 *Log of Changes to the SWPPP*

Log of changes and updates to the SWPPP

INSERT LOG HERE or REFERENCE ATTACHMENT

SECTION 7: FINAL STABILIZATION

<i>BMP Description: Natural Landscape</i>	
<i>Installation Schedule:</i>	End of job
<i>Maintenance and Inspection:</i>	AS needed
<i>Responsible Staff:</i>	

<i>BMP Description:</i>	
<i>Installation Schedule:</i>	
<i>Maintenance and Inspection:</i>	
<i>Responsible Staff:</i>	

SECTION 8: CERTIFICATION AND NOTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: Michelle Collins Title: SWPPP

Signature:  Date: 4/8/14

Appendix J – *Sample* SWPPP Training Log

Stormwater Pollution Prevention Training Log

Project Name: **Eagle Ridge Phase 7**

Project Location: **Eden , Utah**

Instructor's Name(s): Sweep Tix

Instructor's Title(s):

Course Location: Kapp Construction _____ Date: **12/02/2012** _____

Course Length (hours): 2 hour _____

Stormwater Training Topic: *(check as appropriate)*

- X **Erosion Control BMPs** X **Emergency Procedures**
X **Sediment Control BMPs** **Good Housekeeping BMPs**
- x **Non-Stormwater BMPs**

Specific Training Objective: _____

Attendee Roster: *(attach additional pages as necessary)*

No.	Name of Attendee	Company
1	Roger Mills	Kapp
2	Raul Magana	Kapp
3	Dustin West	Kapp
4	Scott Willson	Kapp
5	Charles Frecker	Kapp
6	Michelle Collins	Kapp
7	Jason Linford	Kapp
8	Val Muirbrook	Kapp
9		
10		

Delegation of Authority Form

Delegation of Authority

I, Gary Kapp (name), hereby designate the person or specifically described position below to be a duly authorized representative for the purpose of overseeing compliance with environmental requirements, including the Construction General Permit, at the Eagle Ridge Phase 7 construction site. The designee is authorized to sign any reports, stormwater pollution prevention plans and all other documents required by the permit.

Michelle Collins (name of person or position)
Kapp Construction (company)
1595 West 3300 South (address)
Ogden, Utah (city, state, zip)
801-393-7360 (phone)

By signing this authorization, I confirm that I meet the requirements to make such a designation as set forth in UTR366959 (Reference State Permit), and that the designee above meets the definition of a "duly authorized representative" as set forth in UTR366959 (Reference State Permit).

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: Gary Kapp

Company: Kapp Construction & Development

Title: CEO

Signature: Gary Kapp

Date: 04-10-2014



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: Kapp Construction & Development
Address: 1595 West 3300 South OGDEN, UT 84401
Phone: 801-430-2584
Email: michelle@kappcompanies.com
Applicant Type:

2. Project Information

Project Name: Eagle Ridge Phase 7
Address: Eagle Ridge Drive WEBER COUNTY (UNINCORPORATED AREA), UT 84310
County: WEBER
Directions: eden, utah
Acreage: 20.0
Latitude: 41.335732
Longitude: -111.830305

3. Point of Contact

Name: Michelle Collins
Company Name: Kapp Construction & Development
Address: 1595 West 3300 South Ogden,, UT 84401
Phone: 801-393-7360
Fax:
Cell: 801-430-2584

4. On-site Superintendent/Supervisor/Foreman Contact

Name: Roger Mills
Company Name: Kapp Construction & Development
On-Site Phone: 801-430-2296
Cell: 801-430-2296

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: 04/07/2014

Printed Name: Kapp Construction & Development

Title: null

Company Name: Kapp Construction & Development

Dust Plan Number: 3889

Dust Suppressants

	Check All that Apply
	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.

	Project Activity	Check All that Apply
01	Backfilling area previously excavated or trenched.	X
02	Blasting soil & rock - drilling and blasting.	
03	Clearing for site preparation and vacant land cleanup.	
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.	X
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.	X
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.	
11	Hauling materials.	X
12	Paving/subgrade preparation for paving streets, parking lots, etc.	X
13	Sawing/cutting material, concrete, asphalt, block or pipe.	
14	Screening of rock, soil or construction debris.	
15	Staging areas, equipment storage, vehicle parking lots, and material storage areas.	X
16	Stockpiles materials (storage), other soils, rock or debris, for future use or export.	X
17	Tailings piles, ponds and erosion control.	X

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

Backfilling area previously excavated or trenched.

BMP 01

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

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.

- | | |
|---|---|
| <input type="checkbox"/> 09-01 | Limit disturbance of soils with the use of fencing, barriers, barricades, and/or wind barriers. |
| <input checked="" type="checkbox"/> 09-02 | Limit vehicle mileage and reduce speed. |

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

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

Hauling materials.

BMP 11

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.

11-01 Apply and maintain water/chemical suppressant to operational areas and haul routes.

11-02 Limit vehicle mileage and speed.

Stabilize materials during transport on site.

11-03 Use tarps or other suitable enclosures on haul trucks.

11-04 Apply water prior to transport.

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

11-05 Clean wheels.

11-06 Sweep or water haul road.

Paving/subgrade preparation for paving streets, parking lots, etc.

BMP 12

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

MAKE AT LEAST ONE SELECTION.

Stabilize adjacent disturbed soils following paving activities.

12-01

Apply and maintain water on disturbed soils.

12-02

Apply and maintain chemical stabilizer on disturbed soils.

12-03

Stabilize disturbed soils with vegetation or hydroseeding.

12-04

Apply synthetic cover to disturbed soils.

12-05

There are no soils adjacent to paving activities.

Staging areas, equipment storage, vehicle parking lots, and material storage areas. **BMP 15**

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.

15-01

Limit vehicle mileage and speed.

15-02

Apply water on all vehicle traffic areas in the staging areas and unpaved access routes.

Stabilize staging area soils during use.

15-03

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

15-04

Apply and maintain a chemical stabilizer to surface soils.

Stabilize staging area soils at project completion.

15-05

Apply a chemical stabilizer.

15-06

Apply screened or washed aggregate.

15-07

Use wind breaks.

15-08

Pave.

15-09

Completed project will cover staging area with buildings, paving, and/or landscaping.

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 type="checkbox"/> 16-12	Avoid steep sides to prevent material sloughing.
<input checked="" type="checkbox"/> 16-13	Reduce height.

Tailings piles, ponds and erosion control.

BMP 17

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

MAKE AT LEAST ONE SELECTION.

Stabilize piles and ponds.

<input checked="" type="checkbox"/> 17-01	Pre-water and maintain surface soils in a stabilized condition.
<input type="checkbox"/> 17-02	Apply and maintain a chemical stabilizer on surface soils
<input type="checkbox"/> 17-03	Install cover (natural or synthetic).
<input type="checkbox"/> 17-04	Apply wind break.
<input checked="" type="checkbox"/> 17-05	Avoid steep sides of faces
<input type="checkbox"/> 17-06	Minimizing the area of disturbed tailings.
<input checked="" type="checkbox"/> 17-07	Restricting the speed of vehicles in and around the tailings operation.

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 checked="" type="checkbox"/> 18-01	Clean trackout at the end of the work shift from paved surfaces to maintain dust control
<input checked="" 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 type="checkbox"/> 18-08	Clearly establish and enforce traffic patterns to route traffic over selected trackout control device(s).
<input checked="" 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.

19-01

Limit vehicle mileage and speeds.

19-02

Apply and maintain water on surface soils.

19-03

Apply and maintain chemical stabilizers on surface soils.

19-04

Apply and maintain gravel on surface soils.

19-05

Supplement chemical stabilizers, water or aggregate applications as necessary.

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.

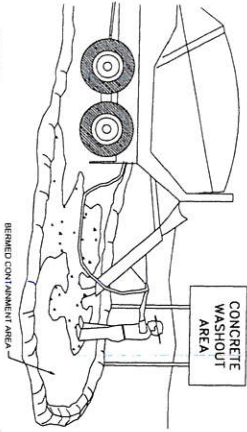
21-02

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.

S.W.P.P. PLAN
R & O CONSTRUCTION
 EAGLE RIDGE PHASE 7
 WEBER COUNTY, UTAH
 May 2013



NOTES:

- EXCESS AND WASTE CONCRETE SHALL NOT BE WASHED INTO THE STREET OR
- FOR WASHOUT OF CONCRETE AND MORTAR PRODUCTS, A DESIGNATED
- CONFINEMENT FACILITY OF SUFFICIENT CAPACITY TO RETAIN LOAD AND SOLID
- SUBJECT FROM CONCRETE AND MORTAR SAW CUTTING SHALL BE WASHED OR
- CONFINED, DREDGED, PICKED UP AND DISPOSED OF PROPERLY.

EROSION CONTROL NOTES:

- STORMWATER SHALL BE PLACED IN DISCHARGE LOCATIONS TO CONTAIN AND DIVERTE
- STORMWATER THROUGHOUT THE PLOT CONSTRUCTION.
- STORMWATER SHALL BE DISCHARGED INTO AN EXISTING DRAINAGE SYSTEM, EXISTING
- LEAKS SHALL BE INSPECTED PRIOR TO CERTIFICATE OF OCCUPANCY AND LAMENED IF
- NECESSARY.
- THE STORMWATER POLLUTION PREVENTION PLAN SHALL CONFORM TO ALL STATE
- REQUIREMENTS OF WEBCOUNTY AND LOCAL MUNICIPAL ORDINANCES.

ENTRANCE STABILIZATION NOTES:

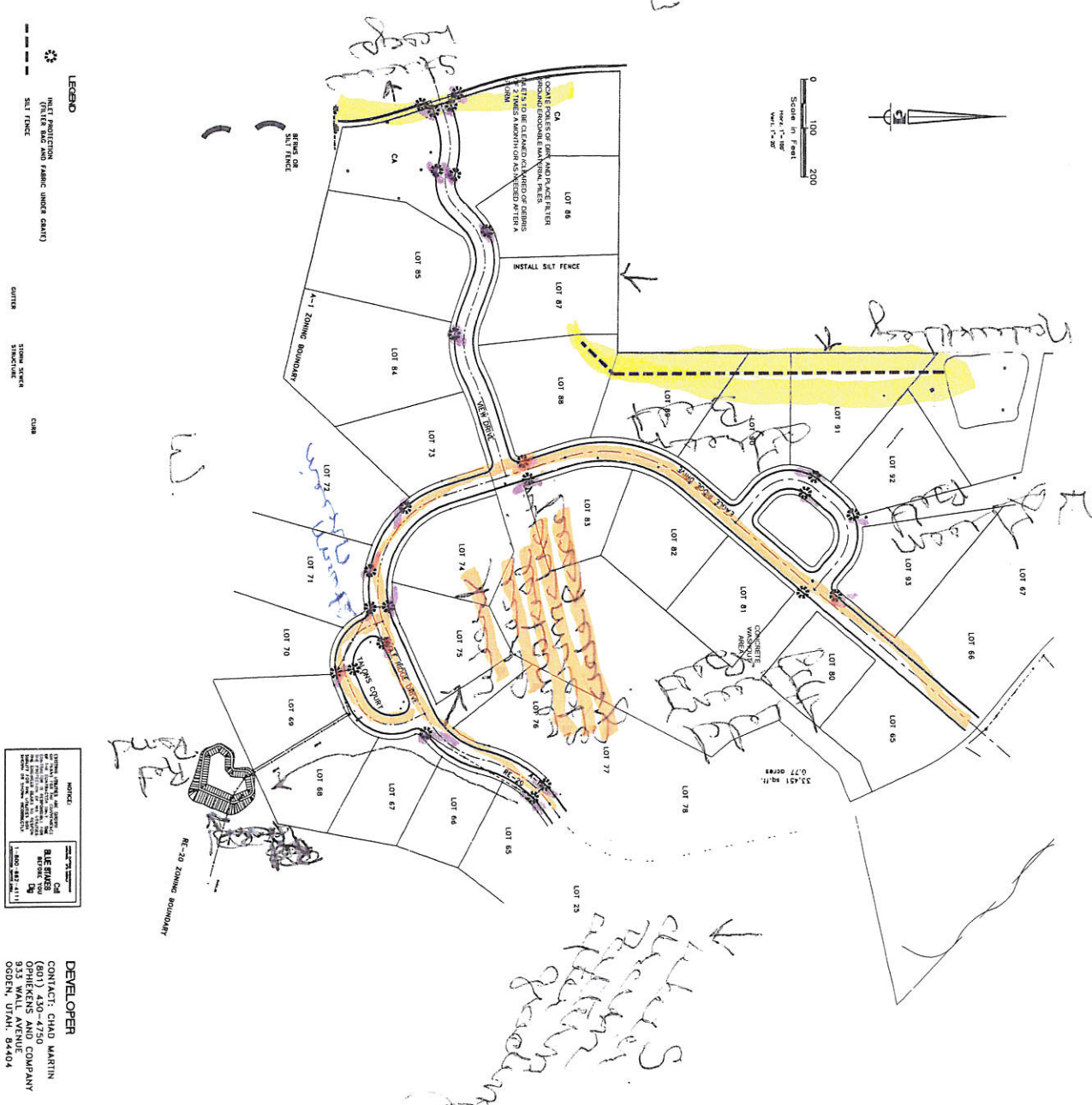
- SEWERAGE AND OTHER CONTAMINANTS SHALL NOT BE RELEASED FROM THE STREET
- OR DRIVEWAY INTO THE STORM DRAINAGE SYSTEM. STORMWATER SHALL BE
- SOAKED TO PREVENT SEWERAGE FROM BEING REPEATED TO THE STORM DRAIN
- SYSTEM. STORMWATER SHALL BE SOAKED TO PREVENT SEWERAGE FROM BEING
- REPEATED TO THE STORM DRAIN SYSTEM.
- CONCRETE DRIVEWAYS SHALL BE INSTALLED TO PREVENT SEWERAGE FROM
- BEING REPEATED TO THE STORM DRAIN SYSTEM.
- A SERIES OF STEEL PLATES WITH TYPICAL STRENGTH AND SPACING SHALL BE
- INSTALLED TO PREVENT SEWERAGE FROM BEING REPEATED TO THE STORM
- DRAIN SYSTEM.
- STORMWATER SHALL BE SOAKED TO PREVENT SEWERAGE FROM BEING
- REPEATED TO THE STORM DRAIN SYSTEM.
- ALL VEHICLES ACCESSING THE CONSTRUCTION SITE SHALL UTILIZE THE STABILIZED
- CONSTRUCTION ENTRANCE SITES.

STREET MAINTENANCE NOTES:

- STREET MAINTENANCE SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
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NOTE:

STORMWATER POLLUTION PREVENTION PLAN BOOKLET



No Silt Traps
No Silt Fences

	OPHEIKENS AND COMPANY EAGLE RIDGE CLUSTER SUBDIVISION STORM WATER POLLUTION PREVENTION PLAN EDEN, WEBER COUNTY, UTAH	SCALE: 1"=100' DATE: May 2013 DESIGN: J.M. DRAWN: D.J.S. CHECKED:
	REVISIONS DATE DESCRIPTION	DWG. - SEE PLOT STAMP ON LEFT OF SHEET