

Storm Water Pollution Prevention Plan

for:

Village Nests East at Powder Mountain: Unit #4
5778 N. Daybreak Ridge
Eden, Utah 84310

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Estimated Project Dates:

Project Start Date: 08/25/2017

Project Completion Date: 08/25/2018

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SECTION 1: CONTACT INFORMATION/ RESPONSIBLE PARTIES

1.1 Owner(s) & Contractors

Owner(s):

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This SWPPP was Prepared by:

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Subcontractor(s):

Insert Company or Organization Name:

Insert Name:

Insert Address:

Insert City, State, Zip Code:

Insert Telephone Number:

Insert Fax/Email:

Repeat as necessary

Emergency 24-Hour Contact:

State of Utah
Department of Environmental Quality
Division of Water Quality
288 North 1450 West
P.O. Box 144870
Salt Lake City, Utah 84114
801-538-6951

Weber County Engineering Office-Weber Center
2380 Washington Blvd Ste 240
Ogden, Utah 84401
801-399-8374

Environmental Protection Agency
Denver, Colorado
800-759-4372

1.2 Storm Water Team

SWPPP Preparation:

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SWPPP Maintenance and Application:

Peterson Builders Inc.
David Peterson
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Subcontractor(s): If applicable, to be determined by Contractor

Insert Company or Organization Name:

Insert Name:

Insert Address:

Insert City, State, Zip Code:

Insert Telephone Number:

Insert Fax/Email:

[Repeat as necessary.]

SECTION 2: SITE EVALUATION, ASSESSMENT, & PLANNING

2.1 Project/Site Information

Project/Site Name: Village Nests East at Powder Mountain: Unit #4

Project Street/Location: 5778 N. Daybreak Ridge

City: Eden State: Utah ZIP Code: 84310

County or Similar Subdivision: Weber County

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

Latitude:

Longitude:

41.3631 ° N (decimal)

-111.7431 ° W (decimal)

Method for determining latitude/longitude:

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

Other (please specify): Google Earth

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

UPDES project or permit tracking number*: _____

**(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 (UPDES) construction general permit.)*

2.2 Nature of Construction Activity

Description of Project: The purpose of this project is to construct a single family home, approximate footprint is 1,500 square feet.

Nature of Work: Construction of the finished site will include the following earth-disturbing activities: utility trench work, footing and foundation excavation, utility connections, finish grading of site, revegetation

Phasing of Construction: This project will be completed in one phase.

What is the function of the construction activity?

Residential Commercial Industrial Road Construction Linear Utility

Other (please specify):

Estimated Project Start Date: 08/25/2017

Estimated Project Completion Date: 08/25/2018

2.3 Construction Site Estimates

The following are estimates of the construction site.

Total project area:	0.05 acres
Construction site area to be disturbed:	0.05 acres
Percentage impervious area before construction:	0%
Runoff coefficient before construction:	0.15
Percentage impervious area after construction:	50%
Runoff coefficient after construction	0.40

2.4 Soils, Slopes, Vegetation, and Current Drainage Patterns

Soil type(s): Topsoil was found to be between 6-inches and 18-inches thick. This unit was a medium-stiff, dark brown to reddish brown gravelly lean clay. Underneath the topsoil there is colluvium about 2.5-6.5 feet thick, mostly clayey gravel. Under the colluvial unit, there is weakly consolidated conglomerate bedrock. Prior to home construction, there will be imported structural fill placed where the home will be founded.

Slopes (describe current slopes and note any changes due to grading or fill activities): The existing site has an average downward slope from west to east at about 20%. There will be some mass grading of the project to add some fill material along the future road to accommodate the units that front the road. The final grade of the home will be flat for approximately 20' from the road and then sloping downhill at approximately 3:1.

Drainage Patterns (describe current drainage patterns and note any changes due to grading or fill activities): There is no storm drain system on this site, nor is there any proposed. Storm water simply falls onto the ground and percolates on site or runs off into the surrounding mountain area.

Vegetation: The site's current conditions contain natural grasses, weeds, and trees. Per the Erosion Control Plan, reseeding will occur where soil is disturbed.

2.5 Emergency Related Projects

Emergency-Related Project? Yes No

2.6 Phase/Sequence of Construction Activity

The project has been planned to occur in one phase. During construction, areas of the site not being directly impacted by work shall remain with existing vegetative cover. Mass grading will be completed as a separate project prior to home construction, so the extent of grading for this home will be solely for foundation excavation and finished grading surrounding the home.

Sequencing: BMP's intended to trap sediment on site will be installed before other land-disturbing activities take place. Silt fences, earth berms, and temporary drainage swales shall be placed per the Erosion and Sediment Control Plan, and elsewhere as appropriate. These BMP's shall be maintained until stabilization of disturbed areas is complete. The measures shown on the Erosion and Sediment Control Plan are not exclusive, and cannot all be applied simultaneously. It is the responsibility of the contractor to employ the correct best management practices for each construction stage, and to maintain the BMP's for as long as they are appropriate.

2.7 Site Features and Sensitive Areas to be Protected

There are native trees located on site. Some native trees may have to be cut down for this project, however, they will be reserved if practical to do so. Any topsoil that is removed will be restored after completion of grading. Also, the disturbed area will be re-vegetated with a seed mix and applied per the Erosion Control Plan. The details for the re-vegetation are listed on the Erosion Control Plan.

2.8 Maps

The location map is filed in Appendix A. Site maps such as grading plan, erosion control plan, sections, and floor plans are located in Appendix B:

SECTION 3: WATER QUALITY

3.1 UIC Class 5 Injection Wells

- French Drain
- Commercially Manufactured pre-cast or pre-built subsurface infiltration system
- Drywell(s), seepage pit(s), improved sinkhole(s)

Description of your Class V Injection Well:

[INSERT DESCRIPTION AND/OR INCLUDE SPECIFICATIONS IN APPENDIX G](#)

DWQ contact information:

Name:

Date:

Additional information:

Local Requirements:

3.2 Discharge Information

Does your project/site discharge storm water into a Municipal Separate Storm Sewer System (MS4)? Yes No

List the MS4 that receives the discharge from the construction project:

[Unincorporated Weber County](#)

Are there any surface waters that are located within 50 feet of your construction disturbances?

Yes No

List the water body: [INSERT TEXT HERE](#)

3.3 Receiving Waters

Table 1 – Names of Receiving Waters (see <http://wq.deq.utah.gov>)

Name(s) of the first surface water that receives storm water directly from your site and/or from the MS4. (note: multiple rows provided where your site has more than one point of discharge that flows to different surface waters)
1. Middle Fork of Ogden River
2.
3.

3.4 Impaired Waters

Table 2. - Impaired Waters (Answer the following for each surface water listed in Table 1 above) (see <http://wq.deq.utah.gov> look in the bottom half of the left hand column)

	Is this surface water listed as "impaired"?	If you answered yes, then answer the following:		
		What pollutant(s) are causing the impairment?	Has a TMDL been completed?	Pollutant(s) for which there is a TMDL
1.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	
2.	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	
3.	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	
4.	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	
5.	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	
6.	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	

3.5 High Water Quality

Table 3 – High Water Quality (Answer the following for each surface water listed in Table 1 above) (see <http://wq.deq.utah.gov> look in the bottom half of the left hand column)

	Is this surface water designated as High Water Quality? (see Appendix C)	If you answered yes, specify which category the surface water is designated as?
1.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Category 1 <input type="checkbox"/> Category 2
2.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Category 1 <input type="checkbox"/> Category 2
3.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Category 1 <input type="checkbox"/> Category 2
4.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Category 1 <input type="checkbox"/> Category 2
5.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Category 1 <input type="checkbox"/> Category 2
6.	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Category 1 <input type="checkbox"/> Category 2

3.6 Dewatering Practices

No dewatering will be occurring on this site.

3.7 Control Storm Water Flowing onto and through the Project

3.7: [Earth Berm Barrier](#), see Appendix M

BMP Description: A temporary containment control constructed of compacted soil

Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

3.7: [Silt Fence](#), see Appendix M

BMP Description: A temporary sediment barrier of filter fabric stretched across posts

Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

3.8 Protect Storm Drain Inlets

3.8: [Inlet Protection- Excavated](#), see Appendix M

BMP Description: An area excavated around a storm drain inlet to impound water below inlet

Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

3.8: [Inlet Protection- Gravel](#), see Appendix M

BMP Description: placement of gravel filter over inlet to storm drains to filter storm water

Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

4.2 Non-Storm Water Discharges

List allowable non-storm water discharges and the measures used to eliminate or reduce them and to prevent them from becoming contaminated:

Authorized Non-Storm Water Discharges	Comments

Include additional rows as necessary.

4.2: [Dust Control, see Appendix M](#)

BMP Description: *applying potable water to stabilize soil from wind erosion and reduce dust*

Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

4.3 Natural Buffers or Equivalent Sediment Controls

Buffer Compliance Alternatives

Are there any surface waters within 50 feet of your project's earth disturbances? YES NO

(Note: If "no", no further documentation is required for the Section 4.3. Delete the rest of Section 4.3 below this point.)

Check the compliance alternative that you have chosen:

- I will provide and maintain a 50-foot undisturbed natural buffer.

(Note (1): You must show the 50-foot boundary line of the natural buffer on your site map.)

(Note (2): You must show on your site map how all discharges from your construction disturbances through the natural buffer area will first be treated by the site's erosion and sediment controls. Also, show on the site map any velocity dissipation devices used to prevent erosion within the natural buffer area.)

- I will provide and maintain an undisturbed natural buffer that is less than 50 feet and is supplemented by additional erosion and sediment controls, which in combination achieves the sediment load reduction equivalent to a 50-foot undisturbed natural buffer.

(Note (1): You must show the boundary line of the natural buffer on your site map.)

(Note (2): You must show on your site map how all discharges from your construction disturbances through the natural buffer area will first be treated by the site's erosion and sediment controls. Also, show on the site map any velocity dissipation devices used to prevent erosion within the natural buffer area.)

- INSERT WIDTH OF NATURAL BUFFER TO BE RETAINED
- INSERT EITHER ONE OF THE FOLLOWING:
 - (1) THE ESTIMATED SEDIMENT REMOVAL FROM A 50-FOOT BUFFER USING APPLICABLE INFORMATION IN APP. D, 2.2.2. INCLUDE INFORMATION ABOUT THE BUFFER VEGETATION AND SOIL TYPE THAT PREDOMINATE AT YOUR SITE
- OR
- (2) IF YOU CONDUCTED A SITE-SPECIFIC CALCULATION FOR THE ESTIMATED SEDIMENT REMOVAL OF A 50-FOOT BUFFER, PROVIDE THE SPECIFIC REMOVAL EFFICIENCY, AND INFORMATION YOU RELIED UPON TO MAKE YOUR SITE-SPECIFIC CALCULATION.
- INSERT DESCRIPTION OF ADDITIONAL EROSION AND SEDIMENT CONTROLS TO BE USED IN COMBINATION WITH NATURAL BUFFER AREA
- INSERT THE FOLLOWING INFORMATION:
 - (1) SPECIFY THE MODEL OR OTHER TOOL USED TO ESTIMATE SEDIMENT LOAD REDUCTIONS FROM THE COMBINATION OF THE BUFFER AREA AND ADDITIONAL EROSION AND SEDIMENT CONTROLS INSTALLED AT YOUR SITE, AND
 - (2) INCLUDE THE RESULTS OF CALCULATIONS SHOWING THAT THE COMBINATION OF YOUR BUFFER AREA AND THE ADDITIONAL EROSION AND SEDIMENT CONTROLS INSTALLED AT YOUR SITE WILL MEET OR EXCEED THE SEDIMENT REMOVAL EFFICIENCY OF A 50-FOOT BUFFER

- It is infeasible to provide and maintain an undisturbed natural buffer of any size, therefore I will implement erosion and sediment controls that achieve the sediment load reduction equivalent to a 50-foot undisturbed natural buffer.

- INSERT RATIONALE FOR CONCLUDING THAT IT IS INFEASIBLE TO PROVIDE AND MAINTAIN A NATURAL BUFFER OF ANY SIZE
- INSERT EITHER ONE OF THE FOLLOWING:
 - OR
 - (2) IF YOU CONDUCTED A SITE-SPECIFIC CALCULATION FOR THE ESTIMATED SEDIMENT REMOVAL OF A 50-FOOT BUFFER, PROVIDE THE SPECIFIC REMOVAL EFFICIENCY, AND INFORMATION YOU RELIED UPON TO MAKE YOUR SITE-SPECIFIC CALCULATION.
- INSERT DESCRIPTION OF ADDITIONAL EROSION AND SEDIMENT CONTROLS TO BE USED IN COMBINATION WITH NATURAL BUFFER AREA
- INSERT THE FOLLOWING INFORMATION:

- (1) SPECIFY THE MODEL OR OTHER TOOL USED TO ESTIMATE SEDIMENT LOAD REDUCTIONS FROM THE EROSION AND SEDIMENT CONTROLS INSTALLED AT YOUR SITE, AND
- (2) INCLUDE THE RESULTS OF CALCULATIONS SHOWING THAT THE ADDITIONAL EROSION AND SEDIMENT CONTROLS INSTALLED AT YOUR SITE WILL MEET OR EXCEED THE SEDIMENT REMOVAL EFFICIENCY OF A 50-FOOT BUFFER

I qualify for one of the exceptions in Part 2.1.2.a.v. (If you have checked this box, provide information on the applicable buffer exception that applies, below.)

Buffer Exceptions

Which of the following exceptions to the buffer requirements applies to your site?

There is no discharge of storm water to the surface water that is located 50 feet from my construction disturbances.

(Note: If this exception applies, no further documentation is required for Section 4.1 of the Template.)

No natural buffer exists due to preexisting development disturbances that occurred prior to the initiation of planning for this project.

(Note (1): If this exception applies, no further documentation is required for Section 2.2 of the Template.)

(Note (2): Where some natural buffer exists but portions of the area within 50 feet of the surface water are occupied by preexisting development disturbances, you must still comply with the one of the CGP Part 2.1.2.a compliance alternatives.)

For a “linear project” (defined in Appendix A), site constraints (e.g., limited right-of-way) make it infeasible for me to meet any of the CGP Part 2.1.2.a.v.3 compliance alternatives. Include documentation here of the following:

(1) Why it is infeasible for you to meet one of the buffer compliance alternative, and (2) Buffer width retained and/or supplemental erosion and sediment controls to treat discharges to the surface water.

The project qualifies as “small residential lot” construction (defined in Part 2.1.2.a.v.3 and in Appendix D).

For Alternative 1 (see Appendix D, Part 2.3.a):

- INSERT WIDTH OF NATURAL BUFFER TO BE RETAINED
- INSERT APPLICABLE REQUIREMENTS BASED ON TABLE D-1
- INSERT DESCRIPTION OF HOW YOU WILL COMPLY WITH THESE REQUIREMENTS

For Alternative 2 (see Appendix D, Part 2.3.b):

- INSERT (1) THE ASSIGNED RISK LEVEL BASED ON APPLICABLE TABLE IN APP. D, PART 2.3.2.b, AND (2) THE PREDOMINANT SOIL TYPE AND AVERAGE SLOPE AT YOUR SITE
- INSERT APPLICABLE REQUIREMENTS BASED ON APP. D, TABLE D-2
- INSERT DESCRIPTION OF HOW YOU WILL COMPLY WITH THESE REQUIREMENTS

Buffer disturbances are authorized under a CWA Section 404 permit.

INSERT DESCRIPTION OF ANY EARTH DISTURBANCES THAT WILL OCCUR WITHIN THE BUFFER AREA

(Note (1): If this exception applies, no further documentation is required for Section 2.2 of the Template.)

(Note (2): This exception only applies to the limits of disturbance authorized under the Section 404 permit, and does not apply to any upland portion of the construction project.)

- Buffer disturbances will occur for the construction of a water-dependent structure or water access area (e.g., pier, boat ramp, and trail). INSERT DESCRIPTION OF ANY EARTH DISTURBANCES THAT WILL OCCUR WITHIN THE BUFFER AREA

(Note (1): If this exception applies, no further documentation is required for Section 2.2 of the Template.)

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SECTION 5: EROSION AND SEDIMENT CONTROLS

5.1 Minimize Disturbed Area and Protect Natural Features and Soil

5.1: [Preservation of Existing Vegetation, see Appendix M](#)

BMP Description: minimizing the potential of removing or injuring existing vegetation

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

5.2 Establish Perimeter Controls and Sediment Barriers

5.2: [Silt Fence, see Appendix M](#)

BMP Description: temp sediment barrier consisting of filter fabric stretched across posts

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

5.2: [Earth Berm Barrier, see Appendix M](#)

BMP Description: a temporary containment control constructed of compacted soil

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

5.3 Retain Sediment On-Site

5.3: [Benching, see Appendix M](#)

BMP Description: slope construction with benches at regular intervals perpendicular to slope

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

5.3: [Compaction, see Appendix M](#)

BMP Description: use of rolling, tamping, or vibration to stabilize fill materials

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

5.4 Establish Stabilized Construction Exits

5.4: [Stabilized Construction Entrance, see Appendix M](#)

BMP Description: a stabilized pad of crushed stone located where traffic enters/exits site

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

5.5 Protect Slopes

5.5: [Hydromulching, see Appendix M](#)

BMP Description: combo of wood fiber and straw with a tacking agent applied to bare slopes

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

5.5: [Erosion Control Blankets, see Appendix M](#)

BMP Description: woven blanket of straw or similar material in place of mulch on steep grade

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

5.6 Stockpiled Soil or Other Erodible Material

5.6: [Earth Berm Barrier, see Appendix M](#)

BMP Description: a temporary containment control constructed of compacted soil

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

5.6: [Temporary Drains and Swales, see Appendix M](#)

BMP Description: temporary drains or swales to divert off-site runoff around construction site

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

5.7 Minimize Dust

5.7: [Dust Control, see Appendix M](#)

BMP Description: spraying potable water to stabilize soil from wind erosion and minimize dust

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

5.8 Topsoil

After vegetation is removed, any topsoil encountered will be harvested and stockpiled. The stockpiles will be maintained by the following measures

5.8: [Dust Control, see Appendix M](#)

BMP Description: spraying potable water to stabilize soil from wind erosion and minimize dust

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

Responsible Staff:	
5.8: Compaction, see Appendix M	
BMP Description: use of rolling, tamping, or vibration to stabilize fill materials	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

5.9 Soil Compaction

5.9: Compaction, see Appendix M	
BMP Description: use of rolling, tamping, or vibration to stabilize fill materials	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

5.10 High Altitude/Heavy Snows

Date Snow is Expected	Date of High Altitude/Heavy Snow Conditions BMPs to be Installed	Date of First Heavy Snow
November 1	Scheduled:	
	Actual:	

5.10: Hydromulching, see Appendix M	
BMP Description: combo of wood fiber and straw with a tacking agent applied to bare slopes	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

5.10: [Erosion Control Blankets, see Appendix M](#)

BMP Description: woven blanket of straw or similar material in place of mulch on steep grade

Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

5.11 Chemical Treatment

Soil Types

List all the soil types (including soil types expected to be found in fill material) that are expected to be exposed during construction and that will be discharged to locations where chemicals will be applied: [Contractor response, if any:](#)

Treatment Chemicals

List all treatment chemicals that will be used at the site and explain why these chemicals are suited to the soil characteristics: [Contractor response, if any:](#)

Describe the dosage of all treatment chemicals you will use at the site or the methodology you will use to determine dosage: [Contractor response, if any:](#)

Provide information from any applicable Material Safety Data Sheets (MSDS): [Contractor response, if any:](#)

Describe how each of the chemicals will stored: [Contractor response, if any:](#)

Include references to applicable state or local requirements affecting the use of treatment chemicals, and copies of applicable manufacturer’s specifications regarding the use of your specific treatment chemicals and/or chemical treatment systems: [Contractor response, if any:](#)

Special Controls for Cationic Treatment Chemicals (if applicable)

If you have been authorized by your applicable Regional Office to use cationic treatment chemicals, include the official EPA authorization letter or other communication, and identify the specific controls and implementation procedures you are required to implement to ensure that your use of cationic treatment chemicals will not lead to a violation of water quality standards: [INSERT \(1\) ANY LETTERS OR OTHER DOCUMENTS SENT FROM THE DWQ OFFICE CONCERNING YOUR USE OF CATIONIC TREATMENT CHEMICALS, AND \(2\) DESCRIPTION OF ANY SPECIFIC CONTROLS YOU ARE REQUIRED TO IMPLEMENT](#)

Schematic Drawings of Storm Water Controls/Chemical Treatment Systems

Provide schematic drawings of any chemically-enhanced storm water controls or chemical treatment systems to be used for application of treatment chemicals: [INSERT TEXT HERE](#)

Training

Describe the training that personnel who handle and apply chemicals have received prior to permit coverage, or will receive prior to the use of treatment chemicals: [INSERT TEXT HERE](#)

5.11: Materials Storage, see Appendix M	
<i>BMP Description: controlled storage of on-site materials</i>	
<i>Installation Schedule:</i>	
<i>Maintenance and Inspection:</i>	
<i>Responsible Staff:</i>	

5.12 Stabilize Soils

5.12: Hydromulching, see Appendix M	
<i>BMP Description: combo of wood fiber and straw with a tacking agent applied to bare slopes</i>	
<input checked="" type="checkbox"/> <i>Permanent</i> <input type="checkbox"/> <i>Temporary</i>	
<i>Installation Schedule:</i>	
<i>Maintenance and Inspection:</i>	
<i>Responsible Staff:</i>	

5.12: Seeding and Planting, see Appendix M	
<i>BMP Description: seeding of grass and plantings of trees/shrubs for long-term stabilization</i>	
<input checked="" type="checkbox"/> <i>Permanent</i> <input type="checkbox"/> <i>Temporary</i>	
<i>Installation Schedule:</i>	
<i>Maintenance and Inspection:</i>	
<i>Responsible Staff:</i>	

5.13 Final Stabilization

5.13: Seeding and Planting, see Appendix M	
<i>BMP Description: seeding of grass and plantings of trees/shrubs for long-term stabilization</i>	
<i>Installation Schedule:</i>	
<i>Maintenance and Inspection:</i>	
<i>Responsible Staff:</i>	

5.13: [Surface Roughening](#), see Appendix M

BMP Description: rough preparation of working areas leaving depressions and uneven surface

Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

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SECTION 6: POLLUTION PREVENTION

6.1 *Spill Prevention and Response*

Spill Kits And Training: Spill kits containing materials and equipment for spill response and cleanup will be maintained at the site. Suggested spill kit may contain:

- oil absorbent pads (one bale),
- oil absorbent booms (40 feet),
- 55 gallon drums (2),
- 9 mil plastic bags (10),
- personal protective equipment including gloves and goggles.

Facility personnel with primary responsibility for spill response and cleanup will receive training from the site superintendent. This training will include identifying the location of spill kits and other spill response equipment and the use of spill response materials.

Spill response equipment will be inspected and maintained as necessary to replace any materials used in spill response activities.

Hazardous Material Spills: In the event of a spill, work shall be stopped and best efforts made to contain the spill. The site superintendent shall be notified immediately, and will assess the situation and determine the appropriate response. If oil sheen is observed on surface water (e.g., settling ponds, detention pond, swales), absorbent pads and/or booms will be applied to contain and remove the oil. The source of the oil sheen will also be identified and removed or repaired as necessary to prevent further releases.

Any discharges in 24 hours equal to or in excess of the reportable quantities listed in 40 CFR 117, 40 CFR 110, and 40 CFR 302 will be reported to the National Response Center and the Division of Water Quality (DWQ) as soon as practical after knowledge of the spill is known to the permittees. The permittee shall submit within 14 calendar days of knowledge of the release a written description of: the release (including the type and estimate of the amount of material released), the date that such release occurred, the circumstances leading to the release, and measures taken and/or planned to be taken to the Division of Water Quality (DWQ), 288 North 1460 West, P.O. Box 144870, Salt Lake City, Utah 84114-4870. The Storm Water Pollution Prevention Plan must be modified within 14 calendar days of knowledge of the release to provide a description of the release, the circumstances leading to the release, and the date of the release. In addition, the plan must be reviewed to identify measures to prevent the reoccurrence of such releases and to respond to such releases, and the plan must be modified where appropriate.

Agency	Phone Number
National Response Center	(800) 424-8802
Division of Water Quality (DWQ) 24-Hr Reporting	(801)-231-1769 (801) 536-4123
Utah Department of Health Emergency Response	(801) 580-6681

Material	Media Released To	Reportable Quantity
Engine oil, fuel, hydraulic & brake fluid	Land	25 gallons
Paints, solvents, thinners	Land	100 lbs (13 gallons)
Engine oil, fuel, hydraulic & brake fluid	Water	Visible Sheen
Antifreeze, battery acid, gasoline, engine degreasers	Air, Land, Water	100 lbs (13 gallons)
Refrigerant	Air	1 lb

6.2 Construction and Domestic Waste

6.2: Construction Waste Container	
BMP Description: covered construction waste container	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

6.2: Portable Toilet, see Appendix M	
BMP Description: temporary on-site sanitary facilities for construction personnel	
Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

6.2: Concrete Waste Management, see Appendix M	
BMP Description: designated area for concrete waste and washout area	
Installation Schedule:	

Maintenance and Inspection:	
Responsible Staff:	

6.3 Washing of Applicators and Containers used for Concrete, Paint or Other Materials

6.3: [Concrete Waste Management, see Appendix M](#)

BMP Description: *designated area for concrete waste and washout area*

Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

6.4 Establish Proper Building Material Staging Areas

6.4: [Materials Storage, see Appendix M](#)

BMP Description: *controlled storage of on-site materials*

Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

6.5 Establish Proper Equipment/Vehicle Fueling and Maintenance Practices

6.5: [Vehicle and Equipment Fueling, see Appendix M](#)

BMP Description: *prevent fuel spills and leaks with designated fueling area*

Installation Schedule:	
Maintenance and Inspection:	
Responsible Staff:	

6.6 Control Equipment/Vehicle Washing

6.6: [Equipment and Vehicle Wash Down Area, see Appendix M](#)

BMP Description: a stabilized pad of crushed stone for general washing of equipment

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

6.6: [Vehicle and Equipment Cleaning](#)

BMP Description: measures for cleaning vehicles to prevent/reduce pollutant discharges

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

6.7 Pesticides, Herbicides, Insecticides, Fertilizers, and Landscape Materials

6.7: [Hazardous Waste Management](#)

BMP Description: pollutant discharge prevention/reduction from hazardous waste

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

6.8 Other Pollution Prevention Practices

None

SECTION 7: INSPECTIONS & CORRECTIVE ACTIONS

7.1 *Inspections*

1. *Inspection Personnel:* See Appendix J for certifications

Peterson Builders Inc.
David Peterson
4794 E. 2600 N.
Eden, UT 84310
801-710-6056
david@petersonbuilders.com

2. *Inspection Schedule:* See Appendix E for inspection reports

Minimum Inspection Requirements:

- At least once every 7 calendar days; or
- At least once every 14 calendar days and within 24 hours of the end of a storm event of 0.5 inches or greater.

7.2 *Corrective Actions*

Correction Action Log is filed in Appendix F

7.3 *Delegation of Authority*

See the signed delegation of authority forms (if applicable) in Appendix K.

SECTION 8: TRAINING AND RECORDKEEPING

8.1 Training

Training documentation and log are filed in Appendix J.

8.2 Recordkeeping

Maintain all records in Appendices A-M

8.3 Log of Changes to the SWPPP

Amendments to the SWPPP are filed in Appendix G

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SECTION 9: CERTIFICATION

Owner

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: _____ Title: _____

Signature: _____ Date: _____

General Contractor

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: _____ Title: _____

Signature: _____ Date: _____

Delegation of Authority: [If used, include documents and reference their file in Appendix H.](#)

Subcontractor Certification: [If used include documents and reference their file in Appendix H.](#)

Notice of Permit Transfer Requirements: [If used include documents and reference their file in Appendix H.](#)

SWPPP APPENDICES

Attach the following documentation to the SWPPP:

Appendix A – General Location Map

Appendix B – Site Maps

Appendix C – Construction General Permit

Appendix D – NOI, Local, County and other State Permits. and Acknowledgement Letter from EPA/State/MS4

Appendix E – Inspection Reports

Appendix F – Corrective Action Log (see CGP 5.4)

Appendix G – SWPPP Amendment Log (see CGP 7.4.3)

***Appendix H – Subcontractor
Certifications/Agreements/Delegation of
Authority (see CGP Appendix G16.1.2)***

***Appendix I – Grading and Stabilization Activities Log (see CGP
7.2.4.b)***

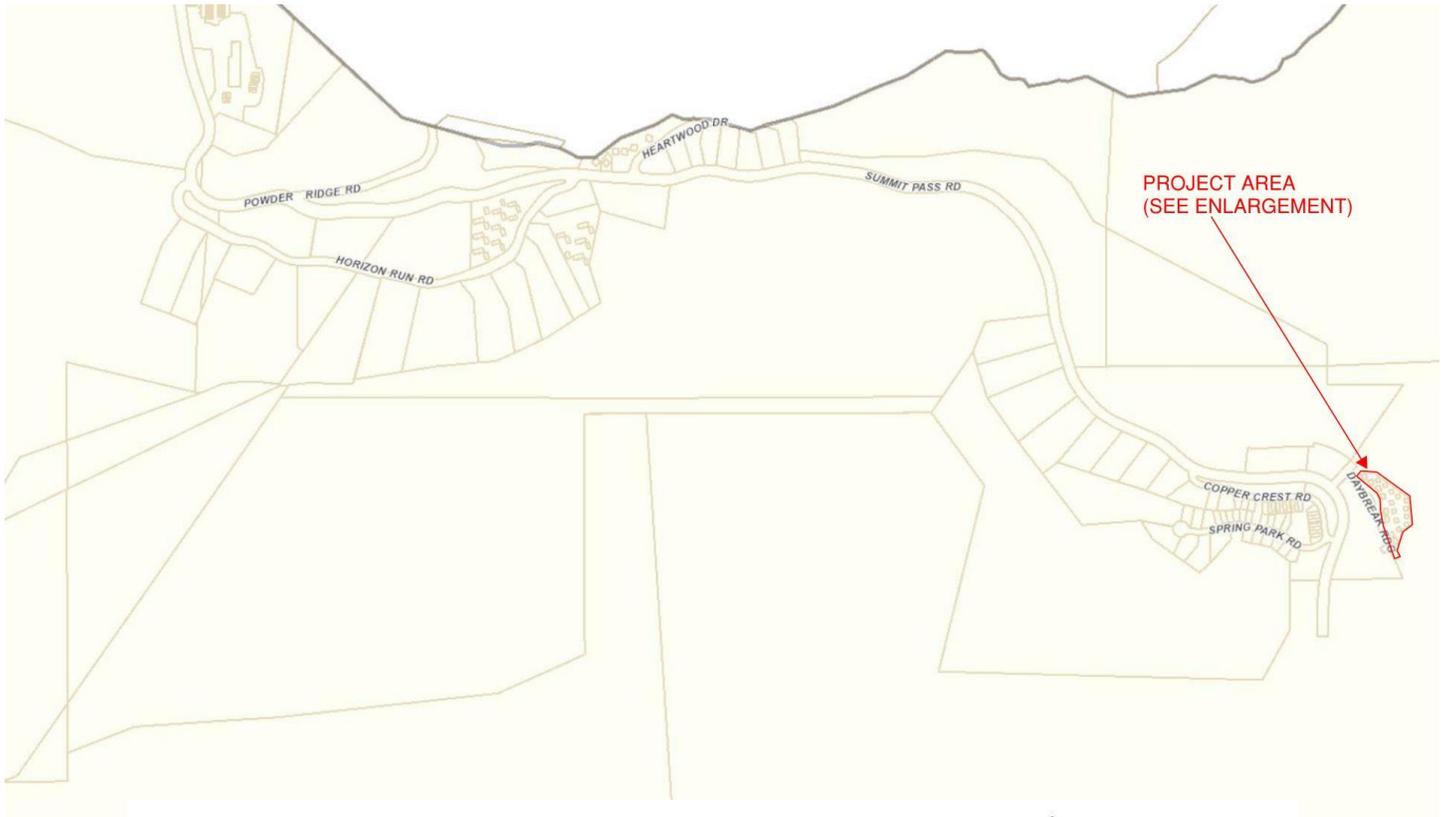
Appendix J – Training Log (see CGP 6)

Appendix K – Construction Plans

Appendix L – Additional Information (i.e., Other permits such as dewatering, stream alteration, wetland; and out of date swppp documents)

Appendix M – BMP Instruction and Detail Specifications

Appendix A – General Location Map



Appendix B – Site Maps

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Appendix C – Construction General Permit

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Appendix D – NOI and other permits

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Appendix E – Inspection Reports

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Appendix H – Subcontractor Certifications/Agreements

SUBCONTRACTOR CERTIFICATION STORMWATER POLLUTION PREVENTION PLAN

Project Number: _____

Project Title: _____

Operator(s): _____

As a subcontractor, you are required to comply with the Stormwater Pollution Prevention Plan (SWPPP) for any work that you perform on-site. Any person or group who violates any condition of the SWPPP may be subject to substantial penalties or loss of contract. You are encouraged to advise each of your employees working on this project of the requirements of the SWPPP. A copy of the SWPPP is available for your review at the office trailer.

Each subcontractor engaged in activities at the construction site that could impact stormwater must be identified and sign the following certification statement:

I certify under the penalty of law that I have read and understand the terms and conditions of the SWPPP for the above designated project and agree to follow the BMPs and practices described in the SWPPP.

This certification is hereby signed in reference to the above named project:

Company: _____

Address: _____

Telephone Number: _____

Type of construction service to be provided: _____

Signature: _____

Title: _____

Date: _____

Appendix I – Grading and Stabilization Activities Log

Project Name:
SWPPP Contact:

Date Grading Activity Initiated	Description of Grading Activity	Date Grading Activity Ceased (Indicate Temporary or Permanent)	Date When Stabilization Measures are Initiated	Description of Stabilization Measure and Location

Appendix J – SWPPP Training Log

Stormwater Pollution Prevention Training Log

Project Name: _____

Project Location: _____

Instructor's Name(s): _____

Instructor's Title(s): _____

Course Location: _____ Date: _____

Course Length (hours): _____

Stormwater Training Topic: *(check as appropriate)*

- Erosion Control BMPs Emergency Procedures
 Sediment Control BMPs Good Housekeeping BMPs
 Non-Stormwater BMPs

Specific Training Objective: _____

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

No.	Name of Attendee	Company
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Appendix K – Delegation of Authority Form

Delegation of Authority

I, _____ (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 _____ construction site. The designee is authorized to sign any reports, stormwater pollution prevention plans and all other documents required by the permit.

(name of person or position)
(company)
(address)
(city, state, zip)
(phone)

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

Company: _____

Title: _____

Signature: _____

Date: _____

Appendix L – Additional Information

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Appendix M – BMP Instruction and Detail Specifications

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