Storm Water Pollution Prevention Plan

For:

Snowbasin
3925 East Snowbasin Road
Huntsville, UT 84317
Canyon Rim Parking Lot Improvement Project

Operator(s):

Staker Parson Companies
Larry Overman
2350 South 1900 West
Ogden, UT 84401
801-514-9882
Larry.overman@stakerparson.com

SWPPP Contact(s):

Staker Parson Companies
Bryan Jorgensen
2350 South 1900 West
Ogden, UT 84401
801-648-5483
Bryan.jorgensen@stakerparson.com

SWPPP Preparation Date:

09/13/2017

Estimated Project Dates:

Project Start Date: **09/18/2017**
Project Completion Date: **11/02/2017**

UTR382731

Contents

SECTION 1: CONTACT INFORMATION/ RESPONSIBLE PARTIES

1.1 Owner(s) & Contractors

Owner(s):

Snowbasin
John Loomis
3925 East Snowbasin Road
Huntsville, UT 84317
801-620-1100

Project Manager(s):

Staker Parson Companies
Larry Overman
2350 South 1900 West
Ogden, UT 84401
801-514-9882
Larry.overman@stakerparson.com
Project Manager/Estimator

Site Supervisor(s):

Staker Parson Companies
Chris Brunker
2350 South 1900 West
Ogden, UT 84401
801-514-9879
chris.brunker@stakerparson.com
Superintendent

SWPPP Contact(s):

Staker Parson Companies
Bryan Jorgensen
2350 South 1900 West
Ogden, UT 84401
801-648-5483
Bryan.jorgensen@stakerparson.com
Environmental Specialist

This SWPPP was Prepared by:

Staker Parson Companies
Bryan Jorgensen
2350 South 1900 West
Ogden, UT 84401
801-648-5483
Bryan.jorgensen@stakerparson.com

Subcontractor(s):

All Star Striping
Jeff Anderson
1255 West 2550 South
Ogden, UT 84409
801-399-0099
jeff@allstarstriping.com

Subcontractor(s):

A-Core
5360 Riley Lane
Murray, UT 84107
801-261-5552

Subcontractor(s):

G&G Sprinkling & Landscaping, Inc.
Tim Gooch
4535 West 1700 South
Syracuse, UT 84075
801-825-8437
Tim.ggsprinkling@yahoo.com

Subcontractor(s):

Gardner Engineering
Klint Whitney
5150 South 375 East
Ogden, UT 84405
801-476-0202
klint@gecivil.com

Subcontractor(s):

R.L. Shaw & Company, Inc.
Robert Shaw
2111 West 3300 South
Ogden, UT 84401
801-731-4753

Emergency 24-Hour Contact:

Staker Parson Companies
Bryan Jorgensen
801-648-5483

1.2 Storm Water Team

Oversee project environmental compliance. Weekly inspections of environmental controls.
Environmental Specialist
Bryan Jorgensen
801-648-5483
Bryan.jorgensen@stakerparson.com

Oversee all site activities. Coordinate with on-site foreman and sub-contractors for overall compliance.
Project Manager
Larry Overman
801-514-9882
Larry.overman@stakerparson.com

Oversee all site activities. Daily site inspections on all BMP's. Help repair and maintain bmp failures.
Project Foreman
Chris Brunker
801-514-9879
Chris.brunker@stakerparson.com

SECTION 2: SITE EVALUATION, ASSESSMENT, & PLANNING

2.1 Project/Site Information

Project/Site Name: Canyon Rim Parking Lot Improvement Project

Project Street/Location: 3925 East Snowbasin Road

City: Huntsville State: UT ZIP Code: 84317

County or Similar Subdivision: Weber

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

Latitude: Longitude:

1. 41.221320 ° N (decimal) 2. -111.855218 ° 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*: **UTR382731**

**(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

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

Tree removal and clear & grubbing will be done around the existing parking lot. Existing asphalt will be pulverized and used for subgrade. Roadbase will be hauled in for the widening of the parking lot. New detention pond to be installed on west side. Riprap Drainages to be installed. New drainage structures to be installed. Asphalt to be paved to finish parking lot. Broadcast seeding/ turf to final stabilize project.

What is the function of the construction activity?

☐ Residential ☒ Commercial ☐ Industrial ☐ Road Construction ☒ Linear Utility

☐ Other (please specify):

Estimated Project Start Date: 09/18/2017

Estimated Project Completion Date: 11/02/2017

2.3 Construction Site Estimates

The following are estimates of the construction site.

Total project area:	5.08 acres
Construction site area to be disturbed:	5.08 acres
Percentage impervious area before construction:	89%
Runoff coefficient before construction:	74
Percentage impervious area after construction:	92%
Runoff coefficient after construction	77

2.4 Soils, Slopes, Vegetation, and Current Drainage Patterns

Soil type(s): Sandy lome, Clay lome, Granular borrow.

Slopes (describe current slopes and note any changes due to grading or fill activities): Existing slopes will change with the addition of the detention pond and widening of the parking lot.

Drainage Patterns (describe current drainage patterns and note any changes dues to grading or fill activities): Storm waters coming off of the new parking lot will now flow to the newly installed detention pond.

Vegetation: Naturally occurring grasses and vegetation

2.5 Emergency Related Projects

Emergency-Related Project? ☐ Yes ☒ No

2.6 Phase/Sequence of Construction Activity

Phase I

- Clear and grubbing of existing land.
- Existing asphalt to be pulverized.
- Cut and fills to establish subgrade of widened parking lot
- Any extra material to be removed from the parking lot will be stockpiled on Snowbasin property.
- Rock socks or filter fabric will be installed around drain boxes for this phase. Silt fence to be installed on the north and west ends of the construction boundaries. Water trucks will be used for dust control.

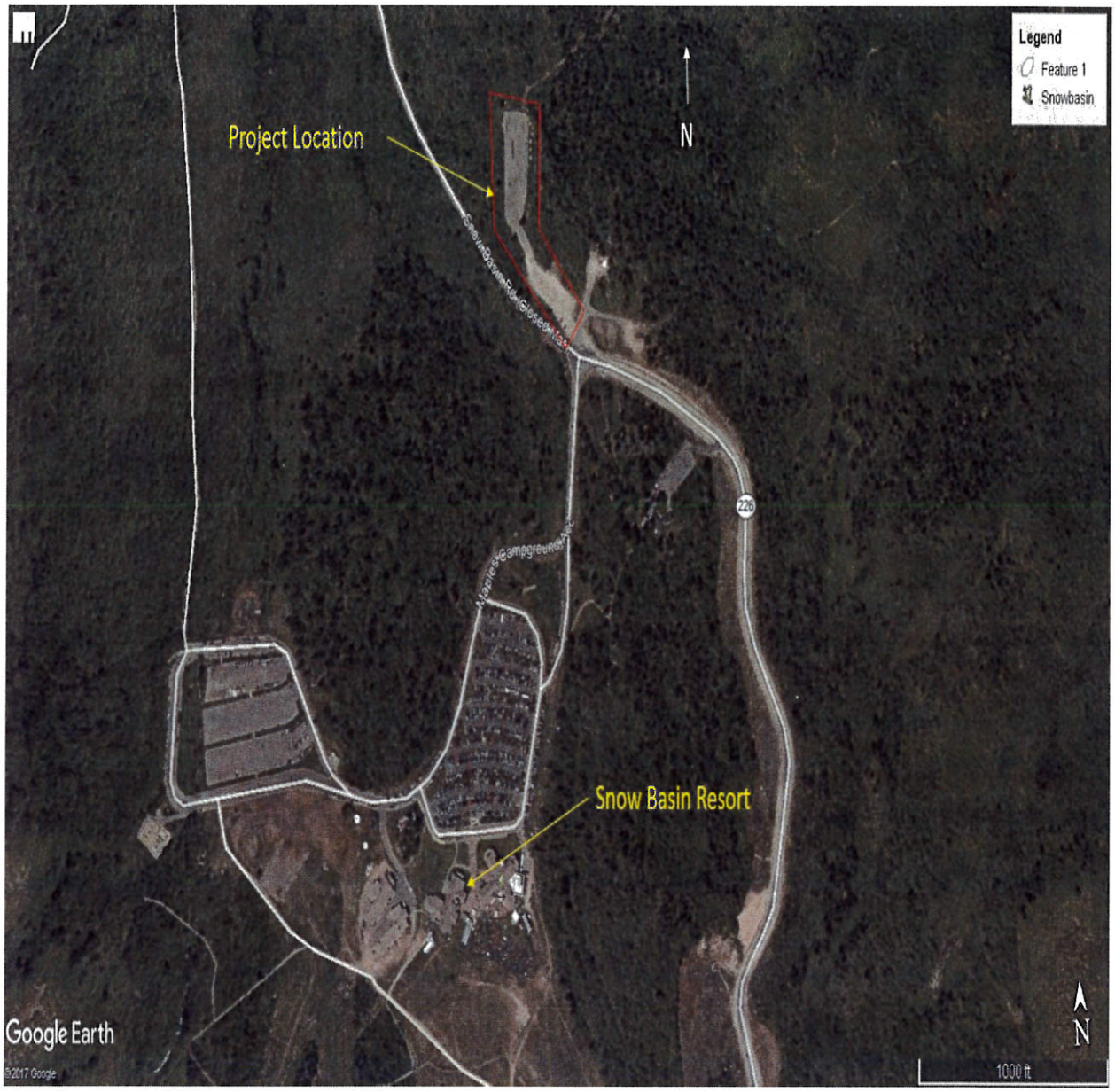
Phase II

- Structural fill to be hauled in for widening of parking lot
- Installation of new storm drain.
- Structural fill and road base to be fine graded.
- New asphalt to be installed on parking lot.
- Concrete, asphalt, broadcast seeding and landscaping to be installed to final stabilize the project.
- Rock socks, filter fabric, silt fence, and water truck will be used for sediment barrier and dust control.

2.7 Site Features and Sensitive Areas to be Protected

Construction to stay within the construction boundary limits. Existing storm drain inlets to be preserved.

2.8 Maps


Legend
Feature 1
Snowbasin
Project Location
N
Snow Basin Resort
Google Earth
©2017 Google
N
1000 ft

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:

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:

Are there any surface waters that are located within 50 feet of your construction disturbances?
☐ Yes ☒ No
List the water body:

3.3 Receiving Waters

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

1. Detention pond connected to the parking lot
2.
3.
4.
5.
6.

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.	☐ Yes ☒ No		☐ Yes ☐ No	
2.	☐ Yes ☒ No		☐ Yes ☐ No	
3.	☐ Yes ☐ No		☐ Yes ☐ No	
4.	☐ Yes ☐ No		☐ Yes ☐ No	
5.	☐ Yes ☐ No		☐ Yes ☐ No	
6.	☐ Yes ☐ No		☐ Yes ☐ 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.	☐ Yes ☒ No	☐ Category 1 ☐ Category 2
2.	☐ Yes ☒ No	☐ Category 1 ☐ Category 2
3.	☐ Yes ☐ No	☐ Category 1 ☐ Category 2
4.	☐ Yes ☐ No	☐ Category 1 ☐ Category 2
5.	☐ Yes ☐ No	☐ Category 1 ☐ Category 2
6.	☐ Yes ☐ No	☐ Category 1 ☐ Category 2

3.6 Dewatering Practices

BMP Description: Water truck	
Installation Schedule:	
Maintenance and Inspection:	If needed. Water will be pumped into a water truck and used as dust suppression
Responsible Staff:	

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

3.7 Control Storm Water Flowing onto and through the Project

BMP Description: Silt Fence	
Installation Schedule:	After Tree Removal
Maintenance and Inspection:	Daily and weekly visual inspections. Silt fence will be fixed as needed. Sediment will be cleaned at 50%
Responsible Staff:	Staker Parson Companies

***BMP Description*: Earthen Berms**	
***Installation Schedule*:**	As needed.
***Maintenance and Inspection*:**	Daily visual inspection. Weekly inspection
***Responsible Staff*:**	Staker Parson Companies

3.8 Protect Storm Drain Inlets

BMP Description: Rock socks	
Installation Schedule:	09/18/2017
Maintenance and Inspection:	Daily and weekly visual inspections. Rock socks will be replaced when worn out or broken.
Responsible Staff:	Staker Parson Companies

BMP Description: **Filter Fabric**	
Installation Schedule:	09/18/2017
Maintenance and Inspection:	Daily visual inspection. Weekly inspection
Responsible Staff:	Staker Parson Companies

SECTION 4: POLLUTION PREVENTION STANDARDS

4.1 Potential Sources of Pollution

Pollutant-Generating Activity	**Pollutants or Pollutant Constituents** (that could be discharged if exposed to stormwater)	**Location on Site** (or reference SWPPP site map where this is shown)
Diesel Fuel	Petroleum Product	In equipment/fuel truck
Engine Oil	Petroleum Product	In equipment/fuel truck
Transmission Fluid	Petroleum Product	In equipment/fuel truck
Hydraulic Fluid	Petroleum Product	In equipment/fuel truck
Ac 10 Oil	Petroleum Product	In equipment/fuel truck
Gasoline	Petroleum Product	In equipment
Emulsified Asphalt	Petroleum Product	Distributor truck

4.2 Non-Storm Water Discharges

Authorized Non-Storm Water Discharges	**Comments**
Water used for dust abatement	Water will be applied as to not discharge from the site
Equipment Washing	No detergents will be used. Water will remain on site
De-watering	If needed, water will be retained on site or used for dust control

BMP Description: Water truck	
Installation Schedule:	As needed
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

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.

☐ 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.

- Roadway goes directly over canal crossing. Bmp's will be placed to catch any runoff from the roadway.

☐ 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 contorls 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.)

BMP Description: Rock socks

Installation Schedule:	09/18/2017
Maintenance and Inspection:	Daily and weekly visual inspections. Rock socks will be replaced when worn out or broken.
Responsible Staff:	Staker Parson Companies.

SECTION 5: EROSION AND SEDIMENT CONTROLS

5.1 Minimize Disturbed Area and Protect Natural Features and Soil

BMP Description: Earthen Berms	
Installation Schedule:	***As needed***
Maintenance and Inspection:	***Daily and weekly visual inspections. Berms will be repaired if driven over.***
Responsible Staff:	***Staker Parson Companies***

BMP Description: Minimizing disturbances outside of the work boundary	
Installation Schedule:	***Duration of project***
Maintenance and Inspection:	***Repair or maintain areas disturbed outside of the work area.***
Responsible Staff:	***Staker Parson Companies***

5.2 Establish Perimeter Controls and Sediment Barriers

BMP Description: Training	
Installation Schedule:	Beginning of project
Maintenance and Inspection:	Employees shall receive direction on where the project boundaries are, and to keep all construction activities in those boundaries.
Responsible Staff:	Staker Parson Companies

BMP Description: Silt Fence	
Installation Schedule:	After Tree Removal Is Completed
Maintenance and Inspection:	Daily and weekly inspections. Silt fence will be repaired at 50% detainment or if fence is damaged.
Responsible Staff:	Staker Parson Companies

5.3 Retain Sediment On-Site

BMP Description: Earthen Berms	
Installation Schedule:	As Needed.
Maintenance and Inspection:	Daily and weekly visual inspection. Earthen berms will be repaired as needed
Responsible Staff:	Staker Parson Companies

BMP Description: Silt Fence	
Installation Schedule:	After Tree Removal is Completed.
Maintenance and Inspection:	Daily and weekly inspections. Silt fence will be repaired at 50% detainment or if fence is damaged.
Responsible Staff:	Staker Parson Companies

5.4 Establish Stabilized Construction Exits

BMP Description: Track out Pads	
Installation Schedule:	As Needed.
Maintenance and Inspection:	Track out pads will be constructed with 3-6'' rock to help control sediment track out.
Responsible Staff:	Staker Parson Companies

5.5 Protect Slopes

BMP Description: Track rolling	
Installation Schedule:	As Slope Work Begins
Maintenance and Inspection:	After storm events to check for erosion
Responsible Staff:	Staker Parson Companies

5.6 Stockpiled Soil or Other Erodible Material

BMP Description: Water	
Installation Schedule:	As needed
Maintenance and Inspection:	Water will be sprayed on stockpiled materials to form a crust.
Responsible Staff:	Staker Parson Companies

BMP Description: Stockpile height	
Installation Schedule:	As needed
Maintenance and Inspection:	Stockpiles will be kept to a minimum height to avoid wind blowing material, and velocity of storm water runoff.
Responsible Staff:	

5.7 Minimize Dust

BMP Description: Water truck	
Installation Schedule:	Duration of project
Maintenance and Inspection:	Water truck will apply water for dust suppression, and as to not cause runoff.
Responsible Staff:	Staker Parson Companies

BMP Description: Vacuum Broom/Street Sweeper	
Installation Schedule:	Duration of project
Maintenance and Inspection:	Daily and visual inspection on track out areas of asphalt. Track out will be cleaned as needed
Responsible Staff:	Staker Parson Companies

5.8 Topsoil

BMP Description: Stockpile heights	
Installation Schedule:	Duration of project
Maintenance and Inspection:	Topsoil stockpiles will be kept to a minimum height and within the project boundaries
Responsible Staff:	Staker Parson Companies

5.9 Soil Compaction

BMP Description: Vehicle traffic limited to project boundaries	
Installation Schedule:	Duration of project
Maintenance and Inspection:	Vehicle traffic is to operate inside project boundaries as to not disturb surrounding vegetation
Responsible Staff:	Staker Parson Companies

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
Late October	Scheduled: Actual:	

BMP Description:	
Installation Schedule:	
Maintenance and Inspection:	Project should be finished by snowfall.
Responsible Staff:	

5.11 Chemical Treatment

N/A

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: N/A

Treatment Chemicals

List all treatment chemicals that will be used at the site and explain why these chemicals are suited to the soil characteristics: N/A

Describe the dosage of all treatment chemicals you will use at the site or the methodology you will use to determine dosage: N/A

Provide information from any applicable Material Safety Data Sheets (MSDS):

Describe how each of the chemicals will stored: N/A

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: N/A

***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:

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:

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:

5.12 Stabilize Soils

BMP Description: Track rolling	
☐ *Permanent*	☒ *Temporary*
Installation Schedule:	As needed
Maintenance and Inspection:	Impacted soils that are not covered by roadway will be track rolled or rolled to minimize erosion
Responsible Staff:	Staker Parson Companies

5.13 Final Stabilization

BMP Description: Asphalt, concrete, broadcast seeding and turf	
Installation Schedule:	End of project
Maintenance and Inspection:	Majority of project will be covered with asphalt parking lot. New slopes and disturbed areas will be seeded.
Responsible Staff:	Staker Parson Companies

BMP Description: Broadcast seeding, mulching, and landscaping	
Installation Schedule:	October
Maintenance and Inspection:	Broadcast seeding and landscaping will final stabilize and disturbed soils that aren't covered by the parking lot.
Responsible Staff:	Staker Parson Companies

SECTION 6: POLLUTION PREVENTION

6.1 Spill Prevention and Response

All storage, handling and use of fuel shall be posted with flammable and other appropriate signage. (No Smoking or Open Flame)

1- Fueling equipment will be equipped with adequate fire suppression equipment (rated at no less 20-B:C)
2- Equipment will be fueled at the end of the shift.
3- Fueling of equipment will be performed by trained and qualified service engineers.
4- Fuel will be reported to the nearest $1/10^{th}$ of a gallon by equipment number on "Daily Service Reports."
5- Fuel to be treated for prevailing ambient air temperatures for pour point and cloud point.
6- If any spills occur they will be reported to the local Equipment Manager and Environmental Manager.

Daily Servicing

1- Equipment will have all fluid levels checked and topped of at the end of each shift.
2- Lubrication points will be serviced at recommended intervals.
3- Machines equipped with auto-lube systems will be topped of at appropriate intervals.
4- Lubrication points will be inspected during daily servicing for proper operation.

PM Intervals

1- Filters will be changed at manufactures recommendations.
2- Oils will be sampled and drained at recommended PM intervals.
3- Filters and oils to be contained and disposed of at approved sites. Any leaks or deficiencies will be reported to local Shop Foreman or Equipment Manager.

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 within14 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

BMP Description: Garbage Containers	
Installation Schedule:	***As needed***
Maintenance and Inspection:	***Containers will be provided by a 3rd party company. Routine scheduled maintenance and pickup.***
Responsible Staff:	***Staker Parson Companies***

BMP Description: Chemical toilets	
Installation Schedule:	***Duration of project***
Maintenance and Inspection:	***Toilets will be provided by 3rd party company. Daily inspections. Routine clean up and services.***
Responsible Staff:	***Staker Parson Companies***

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

BMP Description: Washout bins	
Installation Schedule:	As needed
Maintenance and Inspection:	Concrete washout bins will be provided. Bins will be swapped out or emptied at 75% retention. Daily and weekly inspections.
Responsible Staff:	Staker Parson Companies

6.4 Establish Proper Building Material Staging Areas

BMP Description: Housekeeping	
Installation Schedule:	Duration of project
Maintenance and Inspection:	Each contractor will be responsible for the cleanliness of their staging areas.
Responsible Staff:	All contractors on project.

6.5 Establish Proper Equipment/Vehicle Fueling and Maintenance Practices

BMP Description: Certified fueling technicians	
Installation Schedule:	Duration of project
Maintenance and Inspection:	Fueling technicians will be responsible to service all equipment professionally, and to report all spills as they happen.
Responsible Staff:	Staker Parson Companies

BMP Description: Environmental Specialist/Advisor	
Installation Schedule:	Duration of project
Maintenance and Inspection:	Access to Company Environmental Specialist or Company Environmental Advisor for any environmental issues.
Responsible Staff:	Staker Parson Companies.

6.6 Control Equipment/Vehicle Washing

BMP Description: Non-use of soaps	
Installation Schedule:	Duration of project
Maintenance and Inspection:	Dust may be sprayed off of equipment as to not cause runoff to storm drains or waters nearby. Any heavy cleaning must be done off site at a designated local facility.
Responsible Staff:	Staker Parson Companies.

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

N/A

6.8 Other Pollution Prevention Practices

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

SECTION 7: INSPECTIONS & CORRECTIVE ACTIONS

7.1 Inspections

1. ***Inspection Personnel:*** Identify the person(s) who will be responsible for conducting inspections and describe their qualifications:
   Bryan Jorgensen For Weekly Inspections. See attached for qualifications
2. ***Inspection Schedule: Weekly***

Jorgensen, Bryan (Staker & Parson)

From: Barbara Wilkinson <barbara.wilkinson@usu.edu>
Sent: Wednesday, May 17, 2017 1:28 PM
Jorgensen, Bryan (Staker & Parson)
Subject: [EXT] RSI Renewal

We are pleased to inform you that your Stormwater Inspector (RSI) registration has been renewed and is valid until June 30, 2019.

Two months prior to the expiration of your registration, you will receive a notification. To renew, you will need to provide information to verify that you have completed at least 8 hours of continuing education in areas related to construction site inspection and storm water quality on construction sites, be taught in blocks of time no less than one hour, and have documentation for attendance. You will also be required to complete at least 10 construction site inspections. These inspections must be performed on sites required to have a UPDES Storm Water General Permit for Construction Activities and must be intended to inspect for permit requirements. Inspections on non-UPDES sites may also qualify but are subject to RSI committee review. Your notification will give you further information regarding the renewal process.

Congratulations and we hope that your registration will prove beneficial to you and your employer.

Barbara Wilkinson
Workshops Coordinator
Utah State University
11 Old Main Hill
Logan, UT 84322-4111
435-797-2918

Utah LTAP

Certificate of Training

Bryan Jorgensen

has satisfactorily completed

Environmental Control Supervisor Training

Location: Online

Hours of Instruction: 3

Certification Date: 06/14/2016

Expires 3 years from above date

Terry Johnson

Terry Johnson, Environmental

UDOT
udot.utah.gov

State of Utah

Department of Environmental Quality
Division of Environmental Response and Remediation

UST Groundwater and Soil Sampler Certificate

is issued to

Bryan Jorgensen

Staker Parson Companies

in accordance with R311-201, Utah Administrative Code

GS 1734
Certificate Number

Brent H. Everett
Division Director

October 1, 2018
Expiration Date

UNIVERSITY OF UTAH
SCHOOL OF MEDICINE

Department of Family & Preventive Medicine
391 Chipeta Way, Suite C
Salt Lake City UT 84108
Phone: (801) 581-4055
Fax: (801) 585-5275

certifies that

Bryan K. Jorgensen

has completed a

Continuing Education Post Graduate

course entitled

8-Hour HAZWOPER Refresher

DATE: February 1, 2017
CREDIT(S): 0.8 CEUs / 1.34 ABIH CM Points

Michael Hampton CSP, ARM
Course Director

Partially Funded by NIEHS

Minimum Inspection Requirements:
xx 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.

Inspection Reports are filed in Appendix E

7.2 Corrective Actions

Correction Action Log is filed in Appendix F

7.3 Delegation of Authority

SEE ATTACHED

See the signed delegation of authority forms in Appendix K.

Randy Anderson
Staker Parson Companies
P.O. Box 3429
Ogden, UT 84409

March 22, 2013 UPDATED 10/4/13

Re: Due Authorization of Storm Water Plan and Report Signatories

I, Randy Anderson, Corporate Officer of Staker Parson Companies authorize the individuals / positions (as attached in Exhibit A to this document) having responsibility for the operation of the regulated facilities to sign storm water plans, storm water plan changes, corrective action reports and all reports submitted to the US Environmental Protection Agency or State Department of Environmental Quality.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a systems designed to assure that qualified personnel properly gather and evaluate 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.

Randy Anderson, Region President

Elsinore	Don Nassar		Delton Kohen or Site Manager
Cedar City	Keith Nichols		Tom Edwards, Mike Dearden, Keith Nichols or Site Manager
Kanab	Dave Stuart		McKay Chamberlin or Site Manager
Mt Carmel	Dave Stuart		McKay Chamberlin or Site Manager
Todds Junction	Keith Nichols		Keith Nichols or Site Manager
Sorenson RMC	Dave Stuart	Jeremy Leonard	Dave Stuart or Site Manager
Sorenson	Gilman Fife	Jeremy Leonard	Gilman Fife or Site Manager
Ft Pearce	Dave Stuart, Mike Worthington	Gilman Fife	Tom Edwards, Jeremy Leonard, Ron Williamson or Site Manager
Paria	Area Manager	Jeremy Leonard	Gilman Fife, Thad Fife or Site Manager
Big Water	Area Manager	Jeremy Leonard	Gilman Fife, Thad Fife or Site Manager
Beef Hollow	Travis Canfield	Erik Jeppeson	Site Manager
Reynolds 1	Mark Shaw	Jay Mills	Site Manager
Reynolds2	Jay Mills	John Barney	Site Manager
Browns Canyon	Dave Wilson	Roger Crandall	Site Manager
Francis	Dave Wilson	Roger Crandall	Site Manager
Elberta	Dave Wilson	Roger Crandall	Site Manager
Dingle	Jake Goodliffe	Jason Lutz	Jason Lutz or Site Manager
Soda	Jake Goodliffe	Jason Lutz	Brady or Site Manager
Pocatello	Jake Goodliffe	Randy Short	Plant Manager
Page RMC	Dave Stewart	Rhett Taintor	Rhett Taintor or Site Manager
Hughes HMA	Jeremy Leonard	Gillman Fife	Thad Fife or Site Manager
Anderson Aggs	Brandon Pack	Jim Hogan	Jim Hogan or Site Manager
East Maeser	Brandon Pack	Jim Hogan	Jim Hogan or Site Manager
West Maeser	Brandon Pack	Jim Hogan	Jim Hogan or Site Manager
Roosevelt	Brandon Pack	Lane Goodrich	Kelly Goodrich or Site Manager
Vernal	Brandon Pack	Clint Morrill	Ron Morrill or Site Manager
Aggregate Plants	Plant Superintendant	Plant Foreman	Plant Manager
Asphalt Plants	Plant Superintendant	Plant Foreman	Plant Manager
Concrete Plants	Plant Superintendant	Plant Foreman	Plant Manager
Construction Projects	Construction Manager	Estimator	Bryan Jorgensen or Stormwater Manager
All Sites	Chris Kinnersly or VP Sustainability	Mike Dalley or Environmental Director	Patrick Clark or Environmental Advisor

Due Authorization of Storm Water Plan and Report Signatories Exhibit A
4-Oct-13

Location	Manager	Manager	Team Lead
Hinkley	Brad Hansen	Larry Overman	Jeff Forsgren or Site Manager
South Weber	Doug Wood	Dennis Markham	John Bramwell, Layne Reynolds or Site Manager
Mountain Green	Doug Wood	Jake Goodliffe	Doug Wood or Site Manager
Ogden RMC	Hudd Hayes		Bob Clark or Site Manager
Ogden HMA	Brad Hansen	Greg Gordon	Jeremy Summers or Site Manager
Tremonton	Hudd Hayes		Melany Roundy or Site Manager
Maguire	Doug Wood	Brian Bennett	Zeb Reay or Site Manager
Willard	Doug Wood	Brian Bennett	Zeb Reay or Site Manager
Cook	Jake Goodliffe	Jake Goodliffe	Site Manager
Rocky Point	Doug Wood	Brian Bennett	Zeb Reay or Site Manager
Backus	Jake Goodliffe		Site Manager
Holdaway	Jake Goodliffe		Site Manager
Trenton	Jake Goodliffe		Sammy Locascio or Site Manager
Smithfield Pit	Jake Goodliffe	Greg Gordon	Scott Lowe or Site Manager
Smithfield	Jake Goodliffe	Brian Boyak	Owne Thornley or Site Manager
Brigham North	Doug Wood	Brooks Hess	Brent Barker, Site Manager, Plant leads
Brigham RMC	Hudd Hayes		Steve Beimer or Site Manager
Brigham South	Doug Wood		Site Manager
Beck Street	Travis Canfield		Wade Pullham, Kim Brooks, Duane Evans, Carl Quick or Site Manager
Beck RMC	Jon Groves		Jared Smith or Site Manager
Kaysville	Hudd Hayes		Site Manager
California	John Groves		Greg Slaugh or Site Manager
Park City	John Groves		Chris Bonner or Site Manager
Heber City	Jason Bingelli	Roger Crandall	Site Manager
Keigly	Travis Canfield	Justin Harmer	David Madson, Blaine Smith or Site Manager
Pt East	Travis Canfield		Jason Knighton, Sam Miles, Ed Stuart or Site Manager
Pt South	Jon Groves		Jerry Grantham or Site Manager
Pt West	Travis Canfield		Travis Hager, Sam Miles or Site Manager
Pt West RMC	Jon Groves		Jerry Grantham or Site Manager
Spanish Fork	Jon Groves		Art Talbot or Site Manager
Gomex	Travis Canfield		Sam Miles or Site Manager
Bauer	Travis Canfield		Jerry Bolinder, Kelly Rockwell, Art Custer or Site Manager
Bauer RMC	Jon Groves		Kelly Rockwell or Site Manager
Mt Nebo	Travis Canfield		Robert Winter or Site Manager
Redmond	Don Nassar		Rick LaCrue or Site Manager
Centerfield	Don Nassar		Shane Straton or Site Manager

Utah Division of Water Quality
Executive Secretary
P.O. Box 144870
Salt Lake City, Utah
84114-4870

Patrick Clark
Staker Parson Companies
P.O. Box 3429
Ogden, UT 84409

October 4, 2013

Re: Delegation of Authority List

Dear Executive Secretary:
Please see attached updated Delegation of Authority for Staker Parson Companies. If you have any questions or need more information please feel free to contact the undersigned.

Sincerely,

Patrick Clark
Environmental Advisor

7010 1870 0000 7546 5890

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)
For delivery information visit our website at www.usps.com®
OFFICIAL USE

Postage	$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$

Postmark Here

Sent To
Street, Apt. No.; or PO Box No.
City, State, ZIP+4

PS Form 3800, August 2006 See Reverse for Instructions

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

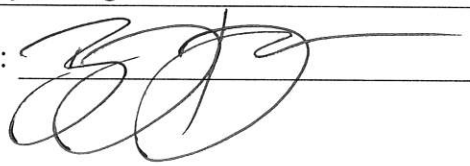
Amendments to the SWPPP are filed in Appendix G

SECTION 9: CERTIFICATION

Professional/SWPPP Author

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: Bryan Jorgensen Title: Environmental Specialist

Signature:  Date: 09/13/2017

Owner Certification: See documents filed in Appendix H.

Operator Certification: See documents filed in Appendix H.

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.

{There are forms for these actions provided in EXHIBIT H of this SWPPP template. File all certification and delegation documents there.}

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