

## Storm Water Pollution Prevention Plan

### For:

East Boise  
155 Amity Road  
Boise, ID 83716  
208-939-6866

### SWPPP Contact(s):

Idaho Materials and Construction  
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### SWPPP Preparation Date:

10/30/2015

Insert Area Map and Site Map Here

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## SECTION 1: FACILITY DESCRIPTION AND CONTACT INFORMATION.

### 1.1 Facility Information.

**Instructions:**

- You will need the information from this section to complete your NOI.
- For further instruction, refer to the 2015 MSGP NOI form and instructions – specifically sections C and D of the NOI. A copy of the 2015 MSGP NOI is available at [www.epa.gov/npdes/stormwater/msgp](http://www.epa.gov/npdes/stormwater/msgp) (Appendix G of the permit)
- You must include a copy of the 2015 MSGP, or a reference or link to where a copy can be found, in **Attachment C** of your SWPPP.

#### Facility Information

Name of Facility: East Boise

Street: 155 Amity Road

City: Boise

State: ID

ZIP Code: 83716

County or Similar Subdivision: Ada

NPDES ID (i.e., permit tracking number): IDR05C219 (if covered under a previous permit)

Primary Industrial Activity SIC code, and Sector and Subsector (2015 MSGP, Appendix D and Part 8):  
3273 / 327320 (E2),

Co-located Industrial Activity(s) SIC code(s), Sector(s) and Subsector(s) (2015 MSGP, Appendix D):

#### Latitude/Longitude

Latitude:

43.5589 ° N (decimal degrees)

Longitude:

-116.1798 ° W (decimal degrees)

T3N R2E S35

#### Method for determining latitude/longitude (check one):

USGS topographic map (specify scale: \_\_\_\_\_)

GPS

Other (please specify): Google Earth

#### Horizontal Reference Datum (check one):

NAD 27

NAD 83

WGS 84

Is the facility located in Indian country?

Yes

No

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

Are you considered a "federal operator" of the facility?

**Federal Operator** – an entity that meets the definition of "operator" in this permit and is either any

department, agency or instrumentality of the executive, legislative and judicial branches of the Federal government of the United States, or another entity, such as a private contractor, operating for any such department, agency, or instrumentality.

Yes  No

Estimated area of industrial activity at site exposed to storm water: \_(acres)

### Discharge Information

Does this facility discharge storm water into a municipal separate storm sewer system (MS4)?  Yes  No

If yes, name of MS4 operator: [N/A](#)

Name(s) of surface water(s) that receive storm water from your facility: Fivemile Creek  
ID17050114SW010\_02

Does this facility discharge industrial storm water directly into any segment of an "impaired water" (see definition in 2015 MSGP, Appendix A)?  Yes  No

If Yes, identify name of the impaired water(s) (and segment(s), if applicable): [Fivemile Creek17050114](#)

Identify the pollutant(s) causing the impairment(s): [Fecal Coliform, Flow](#)

Which of the identified pollutants may be present in industrial storm water discharges from this facility?

[N/A](#)

Has a Total Maximum Daily Load (TMDL) been completed for any of the identified pollutants? If yes, please list the TMDL pollutants:

Does this facility discharge industrial storm water into receiving water designated as a Tier 2, Tier 2.5 or Tier 3 water (see definitions in 2015 MSGP, Appendix A)?  Yes  No

Are any of your storm water discharges subject to effluent limitation guidelines (ELGs) (2015 MSGP Table 1-1)?  Yes  No

If Yes, which guidelines apply?

## 1.2 Contact Information/Responsible Parties.

### Instructions:

- List the facility operator(s), facility owner and SWPPP contact(s). Indicate respective responsibilities, where appropriate.
- You will need the information from this section of the SWPPP Template for your NOI.
- Refer to Section B of the NOI instructions (available in Appendix G of the 2015 MSGP).

Facility Operator(s):

Name: [Idaho Materials and Construction](#)  
Address: [2350 S 1900 W Suite 100](#)  
City, State, Zip Code: [Ogden, Utah 84404](#)  
Telephone Number: [801-430-3116](#)  
Email address: [pclark@stakerparson.com](mailto:pclark@stakerparson.com)  
Fax number: [n/a](#)

**Facility Owner(s):**

Name: [Staker Parson Companies](#)  
Address: [2350 S 1900 W Suite 100](#)  
City, State, Zip Code: [Ogden, Utah 84404](#)  
Telephone Number: [801-430-3116](#)  
Email address: [pclark@stakerparson.com](mailto:pclark@stakerparson.com)  
Fax number: [n/a](#)

**SWPPP Contact(s):**

SWPPP Contact Name (Primary): [Patrick Clark](#)  
Telephone number: [801-430-3116](#)  
Email address: [pclark@stakerparson.com](mailto:pclark@stakerparson.com)  
Fax number: [n/a](#)

SWPPP Contact Name (Backup): [Bill Montgomery](#)  
Telephone number: [208-573-8117](#)  
Email address: [wmontgomery@stakerparson.com](mailto:wmontgomery@stakerparson.com)  
Fax number: [n/a](#)

**1.3 Storm water Pollution Prevention Team.**

**Instructions (see 2015 MSGP Part 5.2.1):**

The storm water pollution prevention team is responsible for overseeing development of and any modifications to the SWPPP, implementing and maintaining control measures/BMPs, and taking corrective actions when required. Each member of the storm water pollution prevention team must have ready access to the 2015 MSGP, the most updated copy of the facility SWPPP, and other relevant documents.

- Identify the staff members (by name and/or title) that comprise the facility's storm water pollution prevention team as well as their individual responsibilities.
- EPA recommends, but does not require, the storm water pollution prevention team include at least one individual from each shift to ensure that there is always a storm water pollution prevention team member on-site.

Staff Names	Individual Responsibilities
<a href="#">Patrick Clark or Plan Coordinator</a> <a href="#">801-430-3116</a> <a href="mailto:pclark@stakerparson.com">pclark@stakerparson.com</a>	Coordinate SWPPP development, review and submit required federal reporting, act as lead inspector for initial and annual comprehensive site assessments, complete endangered species and historic places assessments, update pollution

	prevention plan as required. Primary contact for SWPPP questions.
<a href="#">Bill Montgomery or Team Leader</a> 208-573-8117 <a href="mailto:wmontgomery@stakerparson.com">wmontgomery@stakerparson.com</a>	Oversee good housekeeping efforts, coordinate daily site activities to comply with the requirements listed in this plan including BMP installation, maintenance and repair, perform monthly inspections, quarterly benchmark, quarterly visual monitoring and effluent limit sampling as appropriate, observe for abnormal conditions, act as spill response coordinator, participate in initial and annual comprehensive site assessments, prepare reporting and submit to Plan Coordinator and state DEQ, and ensure that changes to the site or the plan are reported to the Coordinator.
<a href="#">Juston Ekart or Area Manager</a> 208-573-8507 <a href="mailto:jekart@stakerparson.com">jekart@stakerparson.com</a>	Responsibilities: Support Team Leader in promoting good housekeeping and providing manpower and equipment necessary to implement and maintain storm water pollution prevention activities and controls as outlined in this plan. Ensure required reporting is submitted, coordinate employee training.
Site Foreman	Responsibilities: BMP installation, maintenance and repair, spill response and containment
[Repeat as necessary]	[Repeat as necessary]
[Repeat as necessary]	[Repeat as necessary]

**1.4 Site Description.**

**Instructions (see 2015 MSGP Part 5.2.2):**  
 Provide a general description of the “industrial activities” conducted at your facility. For the MSGP industrial activities consist of: manufacturing and processing; material handling activities including storage, loading and unloading, transportation, or conveyance of any raw material, intermediate product, final product, by-product or waste product; and vehicle and equipment fueling, maintenance and cleaning.

Industrial activities may occur at any of the following areas (list not exhaustive): industrial plant yards; immediate access roads and rail lines used or traveled by carriers of raw materials, manufactured products, waste material, or by-products used or created by the facility; material handling sites; refuse sites; sites used for the application or disposal of process waste waters sites used for the storage and maintenance of material handling equipment; sites used for residual treatment, storage, or disposal; shipping and receiving areas; manufacturing buildings; storage areas (including tank farms) for raw materials, and intermediate and final products; and areas where industrial activity has taken place in the past and significant materials remain and are exposed to storm water.

EPA recommends that you differentiate activities that occur indoors from those that occur outdoors and could be exposed to storm water, or under cover but that could be exposed to run-on. Don't overlook processes that are vented and may contribute pollutants to the roof.



Industrial Activities: This site includes heavy equipment repair shop / ready-mix concrete / Material handling includes maintenance chemicals, gasoline and diesel, lube oil and grease, sand & gravel products, mineral fillers, burner fuel, cement and fly ash, fiber additives, colorant, concrete admixtures, truck wash soaps and release agents. The materials produced on site are conveyed by truck to local consumers, or to other manufacturing facilities for further processing.

### **1.5 General Location Map.**

**Instructions (see 2015 MSGP Part 5.2.2):**

Provide a general location map (e.g., U.S. Geological Survey (USGS) quadrangle map or aerial image from the internet) with enough detail to identify the location of your facility and all receiving waters for your storm water discharges (include as Attachment A of this SWPPP Template).

The general location map for this facility can be found in front of the SWPPP.

## 1.6 Site Map.

### Instructions (see 2015 MSGP Part 5.2.2):

Prepare a site map showing the following information. The site map will be included as Attachment B of the finished SWPPP.

- Boundaries of the property and the size of the property in acres;
- Location and extent of significant structures and impervious surfaces;
- Directions of storm water flow (use arrows);
- Locations of all storm water control measures;
- Locations of all receiving waters, including wetlands, in the immediate vicinity of your facility. Indicate which waterbodies are listed as impaired and which are identified by your state, tribe or EPA as Tier 2, Tier 2.5, or Tier 3 waters;
- Locations of all storm water conveyances including ditches, pipes and swales;
- Locations of potential pollutant sources identified under Part 5.2.3.2;
- Locations where significant spills or leaks identified under Part 5.2.3.3 have occurred;
- Locations of all storm water monitoring points;
- Locations of storm water inlets and discharge points, with a unique identification code for each discharge point (e.g., Discharge points001, 002), indicating if you are treating one or more discharge points as “substantially identical” under Parts 3.2.3, 5.2.5.3, and 6.1.1, and an approximate outline of the areas draining to each discharge point;
- If applicable, MS4s and where your storm water discharges to them;
- Areas of designated critical habitat for endangered or threatened species, if applicable.
- Locations of the following activities where such activities are exposed to precipitation:
  - fueling stations;
  - vehicle and equipment maintenance and/or cleaning areas;
  - loading/unloading areas;
  - locations used for the treatment, storage or disposal of wastes;
  - liquid storage tanks;
  - processing and storage areas;
  - immediate access roads and rail lines used or traveled by carriers of raw materials, manufactured products, waste material, or by-products used or created by the facility;
  - transfer areas for substances in bulk;
  - machinery; and
  - locations and sources of run-on to your site from adjacent property that contains significant quantities of pollutants.

The site map for this facility can be found in front of this SWPPP.

## SECTION 2: POTENTIAL POLLUTANT SOURCES.

Section 2 will describe all areas at your facility where industrial materials or activities are exposed to storm water or from which allowable non-storm water discharges originate. Industrial materials or activities include, but are not limited to: material handling equipment or activities; industrial machinery; raw materials; industrial production and processes; and intermediate products, by-products, final products, and waste

products. Material handling activities include, but are not limited to: the storage, loading and unloading, transportation, disposal or conveyance of any raw material, intermediate product, final product or waste product. For structures located in areas of industrial activity, you must be aware that the structures themselves are potential sources of pollutants. This could occur, for example, when metals such as aluminum or copper are leached from the structures as a result of acid rain.

For each area identified, the SWPPP must include industrial activities, potential pollutants, spills and leaks, unauthorized non-storm water discharges, salt storage, storm water sampling data and descriptions of control measures.

**2.1 Potential Pollutants Associated with Industrial Activity.**

**Instructions (see 2015 MSGP Parts 5.2.3.1 and 5.2.3.2):**  
 For the industrial activities identified in section 1.4 above, list the potential pollutants or pollutant constituents (e.g., motor oil, fuel, battery acid, and cleaning solvents).  
 In your list of pollutants associated with your industrial activities, include all significant materials that have been handled, treated, stored, or disposed, and that have been exposed to storm water in the three years prior to the date you prepare your SWPPP.

Industrial Activity	Associated Pollutants
<p>Aggregate Storage:                      Crushed, screened and washed aggregates are stored at the central side of the property. Fine aggregate particles and colloids occurring naturally in the parent deposit or generated during the processing phase may be present in the stockpiled material. The stockpiles are loaded onto trucks for transportation off site or may be transported to another on-site operation for further processing. The stockpiles may be watered for fugitive dust control or temperature and moisture regulation, resulting in the generation of non-storm water effluent. Activities that may contribute to storm water pollution under Aggregate Storage include fugitive dust generation, handling of aggregate materials, operation and maintenance of petroleum powered and lubricated heavy equipment, and generation of non-storm water effluent. Chemical toilets may be present as part of this activity.</p>	<p>Suspended solids resulting from entrainment of particles native to the parent materials or created during the processing operations are the primary pollutant of concern from mine construction, aggregate extraction, processing, storage and reclamation activities. Other potential contaminants of concern are nitrate / nitrite from groundwater discharge, alkalinity from the parent material, and oil &amp; grease from heavy equipment operation. Floatable pollutants including trash and debris may result from inadequate trash control and housekeeping procedures incidental to the mining activity. The following is a list of significant materials that may be exposed to storm water:</p> <ul style="list-style-type: none"> <li>Topsoil / Overburden (TSS, pH)</li> <li>Sand &amp; Gravel (TSS, pH)</li> <li>Process water from aggregate washing / equipment maintenance (TSS, pH, oil &amp; grease)</li> <li>Diesel fuel tanks (oil &amp; grease)</li> <li>Lubricating oil tanks / drums (oil &amp; grease)</li> </ul>

	<p>Used lubricating oil tanks / drums (oil &amp; grease)                  Grease drums (oil &amp; grease)                  Used grease drums (oil &amp; grease)                  Gasoline tanks (oil &amp; grease)                  Spare machinery parts (oil &amp; grease, iron)                  Metals for fabrication (oil &amp; grease, iron)                  Scrap metals (oil &amp; grease, iron)                  Garbage / Trash (floatable solids)                  Chemical toilets (pH, floatable solids)</p>
<p><b>Mine Reclamation:</b>                  Mine reclamation is considered part of the active mining phase. Depleted aggregate reserves are converted to a post-mining land use according to the applicable land use regulations. Reclamation activities include grading of depleted mine area, re-distribution of stockpiled overburden or topsoils, and stabilization as needed. Activities that may contribute to storm water pollution under Mine Reclamation include fugitive dust generation, handling of aggregate materials and overburden, and operation of petroleum powered and lubricated heavy equipment. Chemical toilets may be present.</p>	<p>Suspended solids resulting from entrainment of particles native to the parent materials or created during the processing operations are the primary pollutant of concern from mine construction, aggregate extraction, processing, storage and reclamation activities. Other potential contaminants of concern are nitrate / nitrite from groundwater discharge, alkalinity from the parent material, and oil &amp; grease from heavy equipment operation. Floatable pollutants including trash and debris may result from inadequate trash control and housekeeping procedures incidental to the mining activity. The following is a list of significant materials that may be exposed to storm water:</p> <p>Topsoil / Overburden (TSS, pH)                  Sand &amp; Gravel (TSS, pH)                  Process water from aggregate washing / equipment maintenance (TSS, pH, oil &amp; grease)                  Diesel fuel tanks (oil &amp; grease)                  Lubricating oil tanks / drums (oil &amp; grease)                  Used lubricating oil tanks / drums (oil &amp; grease)                  Grease drums (oil &amp; grease)                  Used grease drums (oil &amp; grease)                  Gasoline tanks (oil &amp; grease)                  Spare machinery parts (oil &amp; grease, iron)                  Metals for fabrication (oil &amp; grease, iron)                  Scrap metals (oil &amp; grease, iron)                  Garbage / Trash (floatable solids)</p>

	Chemical toilets (pH, floatable solids)
<p><b>Concrete Plant:</b>                  Cement powder and fly ash are delivered to the plant by pneumatic bulker truck, and are unloaded into covered silos for storage. Silo exhaust is controlled with passive dust collectors. Collected materials fall back into the silos. Admixtures including nitrate, amine and various metal salt compounds, fibers including fiberglass, plastics, metals and mineral fillers, and mineral colorants are delivered to the concrete plant in both bulk (stored in tanks) and individual container quantities (drums, totes, sacks, pallets). Aggregates including sands and gravels are delivered to hoppers in the top of the plant by conveyor or front-end loader. Aggregates, water and admixtures as needed are combined to create ready mixed concrete. The dry ingredients are added to a mixer truck, followed by the correct amount of water. <b>The ingredients are then mixed in the truck / The ingredients are added to a mixing drum within the plant and combined prior to being loaded into a mixer truck.</b> Fugitive emissions from the loading operation are controlled with a fabric filter dust collector. <b>Dust control materials are routed back into the process / stockpiled for recycling.</b> After loading, the trucks pull under a tempering rack where water is added as needed to achieve the correct concrete consistency. During the tempering process, the truck exteriors are rinsed of any concrete residues. A dilute mineral acid / surfactant solution may be used to assist truck washing activities. The acid based soap is applied to the truck with a sprayer or brush, allowed to soak and rinsed off. Activities that may contribute to storm water pollution under the Concrete Plant include fugitive dust generation, delivery of solid and liquid ingredients in bulk and</p>	<p>Concrete Plant Operation, Returned Concrete Management and Truck Washout:                  Suspended solids resulting from entrainment of particles are the primary pollutant of concern from concrete production, returned concrete management and truck washout activities. Other potential contaminants of concern are total iron and high alkalinity from cement powder, nitrates, amines, metal salts and mineral colorants from concrete additives, and oil &amp; grease from heavy equipment operation. Floatable pollutants including trash and debris may result from inadequate trash control and housekeeping procedures incidental to the concrete operation. The following is a list of significant materials that may be exposed to storm water:</p> <ul style="list-style-type: none"> <li>Cement (spillage) (TSS, pH, iron)</li> <li>Flyash (spillage) (TSS, pH, iron)</li> <li>Dust collection material (baghouse fines) (TSS, pH, iron)</li> <li>Process water from plant operation and equipment washing (TSS, pH, oil &amp; grease)</li> <li>Sand &amp; Gravel (TSS, pH)</li> <li>Nitrate accelerator tanks (nitrates)</li> <li>Amine reducer / retarder tanks (amines)</li> <li>Fiber strength additives (floatable solids)</li> <li>Color additives (TSS)</li> <li>Diesel fuel tanks (oil &amp; grease)</li> <li>Lubricating oil tanks / drums (oil &amp; grease)</li> <li>Used lubricating oil tanks / drums (oil &amp; grease)</li> <li>Grease drums (oil &amp; grease)</li> <li>Used grease drums (oil &amp; grease)</li> <li>Gasoline tanks (oil &amp; grease)</li> <li>Spare machinery parts (oil &amp; grease, iron)</li> <li>Metals for fabrication (oil &amp; grease, iron)</li> <li>Scrap metals (oil &amp; grease, iron)</li> <li>Garbage / Trash (floatable solids)</li> </ul>

<p>individual package form, handling of aggregate materials, operation and maintenance of petroleum powered and lubricated heavy equipment, and generation of non-storm water effluent. Chemical toilets may be present as part of this activity.</p>	<p>Chemical toilets (pH, floatable solids)</p>
<p><b>Return Concrete Management:</b>        As concrete trucks return from delivery, leftover concrete is managed by paving areas of the plant / windrowing on the ground / casting into blocks / using as clean fill on site / recycling into aggregate products. Concrete recycling areas include a pad where returned concrete is windrowed for curing, a concrete stockpile and a recycled aggregate product stockpile. Cured concrete windrows are pushed up into a stockpile until a sufficient amount of material is accumulated to justify crushing. The crushed concrete is sold as recycled aggregate product or used internally as structural fill. Block casting areas include forms, steel inserts and petroleum based mold release agents. The forms are assembled and sprayed with mold release agent. Excess concrete is poured into the molds and allowed to cure. The cured blocks are removed from the molds and stored for sale or internal use. Activities that may contribute to storm water pollution under the Return Concrete Management include fugitive dust generation, handling of uncured concrete and aggregate materials, handling petroleum based mold release agents, operation and maintenance of petroleum powered and lubricated heavy equipment, and generation of non-storm water effluent.</p>	<p>Cement (spillage) (TSS, pH, iron)        Flyash (spillage) (TSS, pH, iron)        Dust collection material (baghouse fines) (TSS, pH)        Process water from plant operation and equipment washing (TSS, pH, oil &amp; grease)        Truck wash soap (pH)        Sand &amp; Gravel (TSS, pH)        Nitrate accelerator tanks (nitrates)        Amine reducer / retarder tanks (amines)        Fiber strength additives (floatable solids)        Color additives (TSS)        Diesel fuel tanks (oil &amp; grease)        Form release (oil &amp; grease)        Lubricating oil tanks / drums (oil &amp; grease)        Used lubricating oil tanks / drums (oil &amp; grease)        Grease drums (oil &amp; grease)        Used grease drums (oil &amp; grease)        Gasoline tanks (oil &amp; grease)        Spare machinery parts (oil &amp; grease, iron)        Metals for fabrication (oil &amp; grease, iron)        Scrap metals (oil &amp; grease, iron)        Garbage / Trash (floatable solids)        Chemical toilets (pH, floatable solids)</p>
<p><b>Concrete Truck Washout:</b>        The empty trucks are then washed out to remove concrete residues. Water is placed in the drum, and the drums are revolved</p>	<p>Cement (spillage) (TSS, pH)        Flyash (spillage) (TSS, pH)        Dust collection material (baghouse fines) (TSS, pH)</p>

<p>several times. The effluent from the drum cleaning is placed in a containment basin / concrete settling basin. Accumulated solids are removed from the basin as needed and stockpiled for use as clean fill / aggregate product / soil amendment. Activities that may contribute to storm water pollution under the Concrete Truck Washout operation include fugitive dust generation, handling of aggregate materials, operation of petroleum powered and lubricated heavy equipment, and generation of non-storm water effluent.</p>	<p>Process water from plant operation and equipment washing (TSS, pH, oil &amp; grease)                  Sand &amp; Gravel (TSS, pH)                  Nitrate accelerator tanks (nitrates)                  Amine reducer / retarder tanks (amines)                  Fiber strength additives (floatable solids)                  Color additives (TSS)                  Truck wash soap (pH)                  Diesel fuel tanks (oil &amp; grease)                  Lubricating oil tanks / drums (oil &amp; grease)                  Used lubricating oil tanks / drums (oil &amp; grease)                  Grease drums (oil &amp; grease)                  Used grease drums (oil &amp; grease)                  Gasoline tanks (oil &amp; grease)                  Spare machinery parts (oil &amp; grease)                  Metals for fabrication (oil &amp; grease)                  Scrap metals (oil &amp; grease)                  Garbage / Trash (floatable solids)                  Chemical toilets (pH, floatable solids)</p>
<p><b>Maintenance Shop:</b>                  The repair shop supports the heavy equipment and trucks used in the aggregate / concrete / asphalt operations. Shop activities include heavy equipment maintenance and repair, lubrication, hot work, storage of bulk petroleum products including virgin and used oil, fuels, and a variety of maintenance chemicals. Deliveries to the shop by third party vendors include parts, supplies and bulk petroleum products. Shop activities may include pressure washing of equipment. Activities that may contribute to storm water pollution under the Shop operation include fugitive dust generation, handling of bulk petroleum products, operation and maintenance of petroleum powered and lubricated heavy equipment, welding and metal fabrication operations, and generation of non-storm water effluent. Chemical toilets may be present as part of this activity.</p>	<p>Suspended solids and oil &amp; grease resulting from the maintenance of earth moving equipment are the primary pollutant of concern from the maintenance operation. Floatable pollutants including trash and debris may result from inadequate trash control and housekeeping procedures incidental to the maintenance operation.</p> <p>Sand &amp; gravel washed off / knocked off equipment during maintenance (TSS, pH)                  Equipment washing process water (TSS, pH)                  Diesel fuel tanks (oil &amp; grease)                  Lubricating oil tanks / drums (oil &amp; grease)                  Used lubricating oil tanks / drums (oil &amp; grease)                  Grease drums (oil &amp; grease)                  Used grease drums (oil &amp; grease)                  Antifreeze drums (chemical)                  Used antifreeze drums (chemical)                  Diesel Exhaust Fluid (urea, pH)                  Gasoline tanks (oil &amp; grease)</p>

	<p>Solvent washing tanks (oil &amp; grease)          Welding / cutting residues (TSS, oil &amp; grease)          Spare machinery parts (oil &amp; grease)          Metals for fabrication (oil &amp; grease)          Scrap metals (oil &amp; grease)          Garbage / Trash (floatable solids)          Chemical toilets (pH, floatable solids)</p>
<p>Fuel Storage:          The fuel storage area includes diesel fuel AST's and lube oil AST in a secondary containment. Several 55 gallon drums and 275 gallon lube oil tanks are located inside the shop. Bulk fuel and lubricants are delivered to the tanks by third party vendors. Employees fuel equipment from the bulk storage tanks. Activities that may contribute to storm water pollution under the Fuel Storage operation include spills resulting from handling of bulk petroleum products, leaks due to bulk petroleum storage and removal of storm water from secondary containment structures.</p>	<p>Fuel Storage:          Petroleum spills including gasoline and diesel fuel (oil &amp; grease) are the primary pollutant of concern from the fuel storage area. Floatable pollutants including trash and debris may result from inadequate trash control and housekeeping procedures incidental to the fueling operation. Diesel Exhaust Fluid (urea, pH) may be present at the fueling area.</p>
	<p>[Repeat as necessary]</p>
	<p>[Repeat as necessary]</p>



## 2.2 Spills and Leaks.

**Instructions (See 2015 MSGP Part 5.2.3.3):**

Include the following in this section:

- **Potential spills and leaks:** A description of where potential spills and leaks could occur at your site that could contribute pollutants to your storm water discharge, and specify which discharge points are likely to be affected by such spills and leaks.
- **Past spills and leaks:** A description of significant spills and leaks in the past three years of oil or toxic or hazardous substances that actually occurred at exposed areas, or that drained to a storm water conveyance.

*Note: Significant spills and leaks include, but are not limited to, releases of oil or hazardous substances in excess of quantities that are reportable under CWA Section 311 (see 40 CFR 110.6 and 40 CFR 117.21) or Section 102 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), 42 USC §9602.*

**Areas of Site Where Potential Spills/Leaks Could Occur**

Location	Discharge Points
Concrete Operations – concrete processing plant (oil filled equipment, admixtures), temper rack, returned concrete area, truck wash area, maintenance areas (oil & grease), mobile equipment fueling and lubrication (varies with location of equipment). See site map for more detail.	N/A – no discharge
Maintenance Operations – shop area, parts storage, fuel area, equipment wash pad.	N/A – no discharge

**Description of Past Spills/Leaks**

Date	Description	Discharge Points
N/A	N/A	N/A
[Repeat as necessary]	[Repeat as necessary]	[Repeat as necessary]
[Repeat as necessary]	[Repeat as necessary]	[Repeat as necessary]
[Repeat as necessary]	[Repeat as necessary]	[Repeat as necessary]

## 2.3 Unauthorized Non-storm water Discharges Documentation.

**Instructions (see 2015 MSGP Part 5.2.3.4):**

Part 1.1.3 of the 2015 MSGP identifies allowable non-storm water discharges. The questions below require you to provide documentation of the following:

- Evaluation for the presence of unauthorized non-storm water discharges at your site; and
- Elimination of any unauthorized non-storm water discharges.

Description of this facility's unauthorized non-storm water discharge evaluation:

- Date of evaluation: 9/30/08
- Description of the evaluation criteria used: Sources of unauthorized process water including aggregate washing, concrete plant operation, concrete truck wash waters, maintenance shop equipment washing were visibly observed to insure all unauthorized process waters were retained on site and not discharged to an outfall or comingled with storm water runoff. Mine dewatering occurs at this site, and is an approved process water discharge covered under Section 3.3 of this SWPPP.
- List of the drainage points that were directly observed during the evaluation: N/A no discharge
- Action(s) taken, such as a list of control measures used to eliminate unauthorized discharge(s), or documentation that a separate NPDES permit was obtained. For example, a floor drain was sealed, a sink drain was re-routed to the sanitary sewer or an NPDES permit application was submitted for an unauthorized cooling water discharge: For the ready mixed concrete operations, process wastewaters resulting from washing trucks, mixers, transport buckets, forms, or other equipment are retained in recycle ponds / bermed areas (see site map for more detail). Unauthorized mining process water effluent includes was water from the aggregate wash plant. Wash waters are retained on site in the wash plant pond. There are no off site discharges from the wash plant pond, and there is no co-mingling of wash plant process water with storm water or ground water discharges. Segregation of process waters from storm water or ground water discharges was visibly verified at the time of the evaluation.

**2.4 Salt Storage.**

**Instructions (see 2015 MSGP Part 5.2.3.5):**  
 Document the location of any storage piles containing salt used for deicing or other commercial or industrial purposes.  
*Note: you will be asked additional questions concerning salt storage in Section 3.1.7 of this SWPPP template, below.*

N/A

**2.5 Sampling Data Summary.**

**Instructions (See 2015 MSGP Part 5.2.3.6):**  
 Summarize all storm water sampling data collected from your permitted discharge points during the previous permit term. Include a narrative description that summarizes the collected data to support identification of potential pollution sources. Note that data tables and/or figures may be used to aid the summary.

There were no discharges from this site during the previous permit term

Date	Outfall	Parameter	Results	Exceedance


### SECTION 3: STORMWATER CONTROL MEASURES.

**Instructions (See 2015 MSGP Parts 2.1.2, Part 8, and 5.2.4):**

In Sections 3.1 - 3.11 of this SWPPP template, you are asked to describe the storm water control measures that you have installed at your site to meet each of the permit's

- Non-numeric technology-based effluent limits in Part 2.1.2;
- Applicable numeric effluent limitations guidelines-based limits in Part 2.1.3 and Part 8;
- Water quality-based effluent limits in Part 2.2;
- Any additional measures that formed the basis of eligibility regarding threatened and endangered species, historic properties, and/or federal CERCLA site requirements in Part 2.3; and
- Applicable effluent limits in Parts 8 and 9.

In addition to your control measure descriptions, include explanations of how the controls fulfill the following requirements (see 2015 MSGP Part 2.1.1):

- The selection and design considerations; and
- How they address the pollutant sources identified in section 2.1 of the Template.

#### 3.1 Non-numeric Technology-based Effluent Limits (BPT/BAT/BCT)

You must comply with the following non-numeric effluent limits (except where otherwise specified in Part 8) as well as any sector-specific non-numeric effluent limits in Part 8.

##### 3.1.1 Minimize Exposure.

**Instructions (see 2015 MSGP Part 2.1.2.1):**

Describe any structural controls or practices used to minimize the exposure of industrial activities to rain, snow, snowmelt and runoff. Describe where the controls or practices are being implemented at your site.

The following materials will be kept covered to reduce their exposure to rain, snow, snowmelt or runoff: **Concrete admixtures and pozzolans (fly ash and cement) are kept in closed silos and tanks. Any contaminated runoff from the concrete production area flows toward the process water containment ponds. Fuel storage is protected with secondary containment. If it becomes**

necessary to remove accumulated storm water from the secondary containment, the water quality will be assessed before discharge. Discharged water will flow toward a process water containment pond with no discharge. Equipment maintenance and fueling will occur in a bermed area where discharge is retained on site. All spills will be promptly cleaned up to minimize exposure to storm water. Impacted soils and sand absorbents will be stockpiled for disposal in an area where the runoff from the stockpile is retained on site and not discharged. Synthetic spill absorbents will be placed in the used oil filter bin or removed from the site for disposal. Leaky equipment will be parked over a sand spill pad. The spill pad will be evaluated at least monthly and changed out as needed. Decommissioned equipment that has been designated as scrap will have fluids drained.

### 3.1.2 Good Housekeeping.

**Instructions (see 2015 MSGP Parts 2.1.2.2 and 5.2.5.1):**

Describe any practices you are implementing to keep exposed areas of your site clean. Describe where each practice is being implemented at your site. Include here your schedule for: (1) regular pickup and disposal of waste materials, and (2) routine inspections for leaks and of the condition of drums, tanks and containers. Note: There are specific requirements for facilities that handle pre-production plastic.

All exposed areas of the facility that may contribute to storm water pollution will be kept in a clean, orderly fashion. These areas include the fueling area, the shop, the concrete plant, the concrete truck washout area, the wash plant and the mining area. These areas will be inspected on a monthly basis for spills, leaks, accumulated garbage, impending container failure, and other problems that may contribute to storm water pollution. The monthly inspections will be documented on the inspection form (Appendix E). Areas exposed to cement powder will be washed or swept at least weekly. Wash water will be retained on site with berming / retention ponds and will not be mixed with stormwater discharges. Dumpsters will be located so that any discharge from the dumpster is retained on site and not co-mingled with storm water discharges. Any dumpsters that cannot be located in general secondary containment will be covered to prevent storm water from accumulating in the dumpster.

### 3.1.3 Maintenance.

**Instructions (see 2015 MSGP Parts 2.1.2.3 and 5.2.5.1):**

Describe procedures (1) to maintain industrial equipment so that spills/leaks are avoided and (2) to keep control measures in effective operating condition. Include the schedule you will follow for such maintenance activities. Describe where each applicable procedure is being implemented at the site.

All structural storm water management devices must be inspected and maintained to avoid breakdowns or failures that may result in discharges to surface waters. The berms surrounding the process water ponds, the mining area and the concrete truck washout area will be maintained as necessary to prevent the release of process water to any mining area or storm water conveyance. The settling ponds and outfalls will be inspected prior to discharge of mine dewatering effluent and daily during discharges. Settling ponds for controlling storm water or groundwater discharge will be cleaned out when the sediment reaches 2/3 of the sump depth and debris will be kept at least 6 inches below the lowest outfall pipe. The process water basins will be monitored monthly for sedimentation. Sediment will be removed as necessary to prevent the process water containment basins from overflowing into storm water conveyances or mining areas. Baghouses will be inspected monthly and any accumulated material will be removed. All needed repairs to prevent storm water contamination will be completed the same day as the

issue was identified. If the issue was identified at the end of the shift, repairs will begin at the start of the next day. Final repairs must be in place with 14 days, or if not feasible within 45 days. The Storm water Coordinator must be notified of any repairs that cannot be completed with the initial 14 day period.

### 3.1.4 Spill Prevention and Response.

#### Instructions (see 2015 MSGP Parts 2.1.2.4 and 5.2.5.1):

Describe any structural controls or procedures used to minimize the potential for leaks, spills and other releases. You must implement the following at a minimum:

- Plainly label containers (e.g., "Used Oil," "Spent Solvents," "Fertilizers and Pesticides") that could be susceptible to spillage or leakage to encourage proper handling and facilitate rapid response if spills or leaks occur;\*
- Implement procedures for material storage and handling, including the use of secondary containment and barriers between material storage and traffic areas, or a similarly effective means designed to prevent the discharge of pollutants from these areas;
- Develop training and train all staff on procedures to quickly stop, contain and clean up leaks, spills, and other releases. As appropriate, execute such procedures as soon as possible;
- Keep spill kits on-site, located near areas where spills may occur or where a rapid response can be made; and
- Notify appropriate facility personnel when a leak, spill or other release occurs.

Describe where each control is to be located or where applicable procedures will be implemented.

*Note: some facilities may be required to develop a Spill Prevention Control and Countermeasure (SPCC) plan under a separate regulatory program (40 CFR 112). If you are required to develop an SPCC plan, or you already have one, you should include references to the relevant requirements from your plan.*

EPA recommends you include:

Where a leak, spill or other release containing a hazardous substance or oil in an amount equal to or in excess of a reportable quantity established under either 40 CFR Part 110, 40 CFR Part 117, or 40 CFR Part 302 occurs during a 24-hour period, you must notify the National Response Center (NRC) at (800) 424-8802 or, in the Washington, DC, metropolitan area, call (202) 267-2675 in accordance with the requirements of 40 CFR Part 110, 40 CFR Part 117, and 40 CFR Part 302 as soon as you have knowledge of the discharge. State or local requirements may necessitate reporting spills or discharges to local emergency response, public health, or drinking water supply agencies. Contact information must be in locations that are readily accessible and available.

Products susceptible to releases will be stored in labeled containers. Containers will be stored in a location separated from vehicle traffic. Petroleum products are covered under the facility Spill Prevention Control and Countermeasures Plan (SPCC). The SPCC plan is a separate document, and is available to members of the Pollution Prevention Team. Non-petroleum products stored or handled in bulk include concrete admixtures and **will be handled in a manner to prevent their release**. Bulk products will be stored in sized or general secondary containment. General containment includes a bermed area or an area where runoff is retained on site and not discharged with storm water flows. Spill cleanup materials include sand and loaders which are readily available at the site. If concrete admixtures are spilled, the material will be contained with sand or earth, cleaned up and disposed of by placement in the designated contaminated soil stockpile. All spills over 5 gallons will be reported to the Pollution Prevention Team Leader, as

well as the corporate environmental manager. Spills that meet state or national reporting criteria will be reported by the Plan Coordinator. Spill training occurs annually, and includes spill prevention methods, spill response activities, spill control principles and reporting requirements.

### 3.1.5 Erosion and Sediment Controls.

**Instructions (see 2015 MSGP Parts 2.1.2.5 and 5.2.5.1):**

Describe activities and processes for stabilizing exposed soils to minimize erosion. Describe flow velocity dissipation devices placed at all discharge locations and all structural and non-structural control measures to prevent the discharge of sediment. If applicable, describe the type and purpose of any polymers and/or chemical treatments used to control erosion and the location at your site where each control is implemented.

Areas of the site that have a potential for soil erosion due to topography or land disturbance will be identified here. The aggregate stockpile areas have a potential for sediment-laden storm runoff. Stockpile areas drain to the process water containment ponds or to settling ponds.

### 3.1.6 Management of Runoff.

**Instructions (See 2015 MSGP Part 2.1.2.6):**

Describe controls used at your site to divert, infiltrate, reuse, contain or otherwise reduce storm water runoff. Describe the location at your site where each control is implemented.

This area lists the permanent storm water management structures. A series of berms is used to channel process water and contaminated storm water to the process water containment ponds. List controls for infiltration, diversion, reuse, containment.

### 3.1.7 Salt Storage Piles or Piles Containing Salt.

**Instructions (see 2015 MSGP Part 2.1.2.7):**

If applicable, describe structures at your site that either cover or enclose salt storage piles or piles containing salt, and any controls that minimize or prevent the discharge of storm water from such piles. Also, describe any controls or procedures used to minimize exposure resulting from adding to or removing materials from the pile. Describe the location at your site where each control and/or procedure is implemented.

Any deicing salt storage piles must be enclosed or covered, or all discharge from the pile must be contained on site and not discharged directly or indirectly to Waters of the US. Also describe controls for adding / removing salt from the piles.

### 3.1.8 Dust Generation and Vehicle Tracking of Industrial Materials.

**Instructions (see 2015 MSGP Part 2.1.2.10):**

Describe controls and procedures that will be used at your site to minimize generation of dust and off-site tracking of raw, final or waste materials in order to minimize pollutant discharges.

Dust control is regulated under the site Air Quality Permit. Dust will be limited to the appropriate opacity limit specified in the air permit. Opacity from plant operations will be controlled with water sprays and baghouses where appropriate. Compliance with the applicable air permit is deemed sufficient per 8.J.5.2 of the MSGP. If there is no air permit for the site, dust generation will not exceed 20% opacity. Roadway dust control is accomplished through frequent watering and periodic application of magnesium chloride chemical

dust suppressant. Trackout from the site onto public roadways will be maintained as needed to control opacity.

### 3.2 Sector-Specific Non-Numeric Effluent Limits.

**Instructions (see 2015 MSGP Part 8):**

Describe any controls or procedures that will be used at your site to comply with any sector-specific requirements that apply to you in Part 8 of the 2015 MSGP. Describe the location at your site where each control and/or procedure will be implemented.

*Note: Sector-specific effluent limits apply to Sectors A, E, F, G, H, I, J, L, M, N, O, P, Q, R, S, T, U, V, X, Y, Z and AA.*

There are no Sector D non numeric effluent limits that apply to this site. Sector E non numeric effluent limits include preventing or minimize the discharge of spilled cement, aggregate (including sand or gravel), fly ash, settled dust, or other significant material in storm water from paved portions of the site that are exposed to storm water. Paved surfaces of the site that are exposed to storm water that may discharge off site will be swept at least weekly. Cement and fly ash will be stored in silos to minimize exposure to storm water.

### 3.3 Numeric Effluent Limitations Based on Effluent Limitations Guidelines.

**Instructions (see 2015 MSGP Part 2.1.3):**

If you are in an industrial category subject to one of the effluent limitations guidelines identified in the table below (Table 2-1 of the 2015 MSGP), describe controls or procedures that will be implemented at your site to meet these effluent limitations guidelines.

There are no Sector D or E numeric effluent limits that apply to this site.

### 3.4 Water Quality-based Effluent Limitations and Water Quality Standards.

**Instructions (see 2015 MSGP Part 2.2.1):**

Describe the measures that will be implemented at your site to control industrial storm water discharge as necessary to meet applicable water quality standards of all affected states (i.e., your discharge must not cause or contribute to an exceedance of applicable water quality standards in any affected state).

EPA expects that compliance with the conditions in this permit will control discharges as necessary to meet applicable water quality standards. If at any time you become aware, or EPA determines, that your discharge does not meet applicable water quality standards, you must take corrective action(s) as required in Part 4.1 of the 2015 MSGP and document the corrective actions as required in Part 4.3 of the 2015 MSGP. You must also comply with any additional requirements required by your state or tribe.

EPA may also require that you undertake additional control measures (to meet the narrative water quality-based effluent limit above) on a site-specific basis, or require you to obtain coverage under an individual permit, if information in your NOI, required reports, or from other sources indicates that your discharges are not controlled as necessary to meet applicable water quality standards. You must implement all measures necessary to be consistent with an available wasteload allocation in an EPA-established or approved TMDL.

It is expected that implementing the conditions outlined in this SWPPP, which are intended to comply with the MSGP, will meet applicable water quality standards.

## SECTION 4: SCHEDULES AND PROCEDURES.

### 4.1 *Good Housekeeping.*

**Instructions (see 2015 MSGP Part 5.2.5.1):**

Document a schedule or the process used for determining when pickup and disposal of waste materials occurs (e.g., roll off dumpsters are collected when full). Provide a schedule for routine inspections for leaks and conditions of drums, tanks and containers.

Dumpsters are emptied on call / monthly. Equipment is inspected daily during use for leaks and drips. Drums tanks and containers are inspected monthly for leaks and condition.

### 4.2 *Maintenance.*

**Instructions (see 2015 MSGP Part 5.2.5.1):**

Document preventative maintenance procedures, including regular inspections, testing, maintenance and repair of all control measures to avoid situations that may result in leaks, spills, and other releases, and any back-up practices in place should a runoff event occur while a control measure is off-line. Include the schedule or frequency for maintaining all control measures used to comply with the effluent limits in Part 2 of the 2015 MSGP.

All structural storm water management devices must be inspected and maintained to avoid breakdowns or failures that may result in discharges to surface waters. The berms surrounding the process water ponds, the mining area and the concrete truck washout area will be maintained as necessary to prevent the release of process water to any mining area or storm water conveyance. The settling ponds and outfalls will be inspected prior to discharge of mine dewatering effluent and daily during discharges. Settling ponds for controlling storm water or groundwater discharge will be cleaned out when the sediment reaches 2/3 of the sump depth and debris will be kept at least 6 inches below the lowest outfall pipe. The process water basins will be monitored monthly for sedimentation. Sediment will be removed as necessary to prevent the process water containment basins from overflowing into storm water conveyances or mining areas. Baghouses will be inspected monthly and any accumulated material will be removed. All needed repairs to prevent storm water contamination will be completed the same day as the issue was identified. If the issue was identified at the end of the shift, repairs will begin at the start of the next day. Final repairs must be in place with 14 days, or if not feasible within 45 days. The Stormwater Coordinator must be notified of any repairs that cannot be completed with the initial 14 day period.

### 4.3 *Spill Prevention and Response Procedures.*

**Instructions (see 2015 MSGP Part 5.2.5.1):**

Document procedures for preventing and responding to spills and leaks, including notification procedures. For preventing spills, include control measures for material handling and storage, and the procedures for preventing spills that can contaminate storm water. Also specify cleanup equipment, procedures and spill logs, as appropriate, in the event of spills. You may reference the existence of other plans for Spill Prevention Control and Countermeasure (SPCC) developed for the facility under Section 311 of the CWA or BMP programs otherwise required by an NPDES permit for the facility.



Spill prevention procedures include inspecting containers prior to transferring product into and out of the containers, making sure all hoses or other transfer lines are properly connected, and insuring transfers are attended. Spill response procedures depend on the size of the release and relative risk to the environment.

Response to a Minor Discharge. A “minor” discharge is defined as one that poses no significant harm (or threat) to human health and safety or to the environment. Minor discharges are generally those where:

- a. The quantity of product discharged is small (e.g., may involve less than 25 gallons of oil)
- b. Discharged material is easily stopped and controlled at the time of the discharge
- c. Discharge is localized near the source
- d. Discharged material is not likely to reach a regulated waterway
- e. There is little risk to human health or safety
- f. There is little risk of fire or explosion.

Minor discharges can usually be cleaned up by facility personnel. The following guidelines apply:

- Immediately notify the Facility Manager.
- Under the direction of the Facility Manager, contain the discharge with discharge response materials and equipment including sand, front end loaders or skid steers, and polypropylene absorbents for spills on water or wet areas. Place discharge debris in properly labeled waste containers.
- The Facility Manager will document the discharge
- If the discharge involves more than 25 gallons of oil, the Facility Manager will contact the Staker Parson Environmental Manager who should then call regulatory authorities to report the release.

Response to a Major Discharge. A “major” discharge is defined as one that cannot be safely controlled or cleaned up by facility personnel, such as when:

- The discharge is large enough to spread beyond the immediate discharge area;
- The discharged material enters a regulated waterway;
- The discharge requires special equipment or training to clean up;
- The discharged material poses a hazard to human health or safety; or
- There is a danger of fire or explosion.

In the event of a major discharge, the following guidelines apply:

1. All workers must immediately evacuate the discharge site and move to areas at a safe distance from the discharge if the material poses a risk to health or safety.
2. The Facility Manager or the senior on-site person notifies the Staker Parson Environmental Manager of the discharge. The corporate manager has authority to initiate notification and response. Certain notifications are dependent on the circumstances and type of discharge.
3. Any able employee must call for medical assistance if workers are injured or in case of a fire.
4. The Staker Parson Environmental Manager must immediately contact the National Response Center (888-424-8802) and Idaho DEQ 24-hour communications center at 800-632-8000.
5. The Staker Parson Environmental Manager must document the call.

6. The Staker Parson Environmental Manager coordinates cleanup and obtains assistance from a cleanup contractor(s) or other response organization as necessary.

If the Facility Manager is not available at the time of the discharge, then the next highest person in seniority assumes responsibility for contacting the Staker Parson Environmental Manager and, as directed, coordinating response activities.

#### 4.4 Erosion and Sediment Control.

**Instructions (see 2015 MSGP Part 5.2.5.1):**

Document if polymers and/or other chemical treatments are used for erosion and sediment control and identify the polymers and/or chemicals used and the purpose.

Magnesium chloride may be periodically applied to haul roads, otherwise no chemical treatments are used for sediment or erosion control.

#### 4.5 Employee Training.

**Instructions (see 2015 MSGP Part 2.1.2.8 and Part 5.2.5.1):**

**Instructions (see 2015 MSGP Part 2.1.2.8 and 5.2.5.1):**

Provide the elements of your training plan, including:

- The content of the training;
- The frequency/schedule of training for employees who work in areas where industrial materials or activities are exposed to storm water, or who are responsible for implementing activities necessary to meet the conditions of the permit.

The following personnel, at a minimum, must receive training, and therefore should be listed out individually in the table below:

- Personnel who are responsible for the design, installation, maintenance, and/or repair of controls (including pollution prevention measures);
- Personnel responsible for the storage and handling of chemicals and materials that could become contaminants in storm water discharges;
- Personnel who are responsible for conducting and documenting monitoring and inspections as required in Parts 3 and 6; and
- Personnel who are responsible for taking and documenting corrective actions as required in Part 4.

2015 MSGP Part 2.1.2.8 requires that the personnel who are required to be trained must also be trained to understand the following if related to the scope of their job duties (e.g., only personnel responsible for conducting inspections need to understand how to conduct inspections):

- An overview of what is in the SWPPP;
- Spill response procedures, good housekeeping, maintenance requirements, and material management practices;
- The location of all controls on the site required by this permit, and how they are to be maintained;

Storm water training includes an overview of the Clean Water Act, pollutant types, best management practices, material handling, housekeeping, maintenance requirements and spill prevention, control and

reporting requirements. Initial training occurs as part of the new hire orientation, and refresher training occurs annually.

Specific initial training requirements:

The Storm water Plan Coordinator receives additional training in the design, installation and maintenance of controls, as well as sampling procedures (CICEC certification).

The Storm water Team Lead receives additional training in conducting and documenting inspections, and if storm water discharge sampling is required training on container selection, sampling methods, sample preservation and laboratory submittal. The Sampler has reviewed the March 2009 EPA Industrial Storm water Monitoring and Sampling Guide

Training records are included in Appendix C of this plan

#### 4.6 Inspections and Assessments.

**Instructions (see 2015 MSGP Part 3):**

Document procedures for performing the types of inspections specified by this permit, including:

- Routine facility inspections (see Part 3.1) and;
- Quarterly visual assessment of storm water discharges (see Part 3.2).

*Note: If you are invoking the exception for inactive and unstaffed sites proceed to 4.6.3 below.*

##### 4.6.1 Routine Facility Inspections.

**Instructions (see 2015 MSGP Part 3.1):**

Describe the procedures you will follow for conducting routine facility inspections in accordance with Part 3.1 of the 2015 MSGP. Document any findings of your facility inspections and maintain this report with your SWPPP as required in Part 5.5 of the 2015 MSGP. Summarize your findings in the annual report per Part 7.5 of the 2015 MSGP. Any corrective action required as a result of a routine facility inspection must be performed consistent with Part 4 of the 2015 MSGP.

Inspections are performed monthly, and include the items listed on the Storm water Inspection Form (see Appendix E). Inspections are recorded electronically in the ComplianceGO web based inspection system and can be accessed here: <http://core.compliancego.com/cgviewer/> UUID number 9adcde64-e171-11e1-9a3b-ec632cafeb8c

For routine facility inspections to be performed at your site, your SWPPP must include a description of the following:

1. **Person(s) or positions of person(s) responsible for inspection.** Routine facility inspections will be completed by Bill Montgomery or the acting Storm water team Leader.

*Note: Inspections must be performed by qualified personnel with at least one member of your storm water pollution prevention team participating. Inspectors must consider the results of visual and analytical monitoring (if any) for the past year when planning and conducting inspections. Qualified personnel are those who possess the knowledge and skills to assess conditions and activities that could impact storm water quality at your facility, and who can also evaluate the effectiveness of control measures.*

2. **Schedules for conducting inspections.** Routine facility inspections will be conducted monthly.

*Note: Inspections must be conducted at least quarterly (i.e., once each calendar quarter), or in some instances more frequently (e.g., monthly), as appropriate. Increased frequency may be appropriate for some types of equipment, processes and storm water control measures, or areas of the facility with significant activities and materials exposed to storm water. At least one of your routine inspections must be conducted during a period when a storm water discharge is occurring.*

3. **List areas where industrial materials or activities are exposed to storm water.** heavy equipment repair shop / ready-mix
4. **List areas identified in the SWPPP (section 1 of the SWPPP Template) and any others that are potential pollutant sources (see Part 5.2.3).** equipment repair shop / ready-mix concrete.
5. **Areas where spills and leaks have occurred in the past 3 years.** N/A
6. **Inspection information for discharge points.** N/A
7. **List the control measures used to comply with the effluent limits contained in this permit.** N/A
8. **Other site-specific inspection objectives.** Monthly storm water inspections may be concurrent with other required inspections such as SPCC where applicable.

#### 4.6.2 Quarterly Visual Assessment of Storm water Discharges.

**Instructions (see 2015 MSGP Part 3.2):**

Describe the procedures you will follow for conducting quarterly visual assessments in accordance with Part 3.2 of the 2015 MSGP. The visual assessment must be made:

- Of a discharge sample contained in a clean, colorless glass or plastic container, and examined in a well-lit area;
- On samples collected within the first 30 minutes of an actual discharge from a storm event. If it is not possible to collect the sample within the first 30 minutes of discharge, the sample must be collected as soon as practicable after the first 30 minutes and you must document why it was not possible to take the sample within the first 30 minutes. In the case of snowmelt, samples must be taken during a period with a measurable discharge from your site; and
- For storm events, on discharges that occur at least 72 hours (3 days) from the previous discharge. The 72-hour (3-day) storm interval does not apply if you document that less than a 72-hour (3-day) interval is representative for local storm events during the sampling period.

Document the results of your visual assessments and maintain this documentation onsite with your SWPPP as required in Part 5.5 of the 2015 MSGP. Any corrective action required as a result of a quarterly visual assessment must be performed consistent with Part 4 of the 2015 MSGP.

1. This site is designed as a zero-discharge location. If an upset event occurs the following procedures will be followed.
2. **Person(s) or positions of person(s) responsible for assessments.** Visual assessments will be conducted by Bill Montgomery or the acting Storm Water Team Leader.
3. **Schedules for conducting assessments.** Visual assessments will be conducted quarterly starting with the 4<sup>th</sup> quarter of 2015.

4. **Specific assessment activities.** The visual samples will be collected in a colorless glass or plastic container, and observations will be performed in a well-lit area. The samples must be collected during the first 30 minutes of runoff from a storm event, and that occurred more than 72 hours from the last discharge event. The visual monitoring will include color, odor, clarity, floating solids, settled solids, suspended solids, foam, oil sheen or other indicators of storm water pollution. The results of the observations will be recorded on the Visual Monitoring Form (Section 5.5.6). The documentation will include: sample location(s), sample collection date and time, and visual assessment date and time for each sample; personnel collecting the sample and performing visual assessment, and their signatures; nature of the discharge (i.e., runoff or snowmelt); results of observations of the storm water discharge; probable sources of any observed storm water contamination, and if applicable why it was not possible to take samples within the first 30 minutes. Copies of the quarterly visual inspection records will be kept with this plan.

#### 4.6.3 Exception to Routine Facility Inspections and Quarterly Visual Assessments for Inactive and Unstaffed Sites.

**Instructions (see 2015 MSGP Parts 3.1.1 and 3.2.3):**

If you are invoking the exception for inactive and unstaffed sites relating to routine facility inspections and/or quarterly visual assessments, you must include documentation to support your claim that your facility has changed its status from active to inactive and unstaffed.

To invoke this exception you must also include a statement in your SWPPP per Part 5.2.5.2 indicating that the site is inactive and unstaffed, and that there are no industrial materials or activities exposed to storm water, in accordance with the substantive requirements in 40 CFR 122.26(g)(4)(iii). The statement must be signed and certified in accordance with Appendix B, Subsection 11.

*Note: If circumstances change and industrial materials or activities become exposed to storm water or your facility becomes active and/or staffed, this exception no longer applies and you must immediately resume routine facility inspections. If you are not qualified for this exception at the time you become authorized under the 2015 MSGP, but during the permit term you become qualified because your facility becomes inactive and unstaffed, and there are no industrial materials or activities that are exposed to storm water, you must include the same signed and certified statement as above and retain it with your records pursuant to Part 5.5.*

Inactive and unstaffed facilities covered under Sectors G (Metal Mining), H (Coal Mines and Coal Mining-Related Facilities), and J (Non-Metallic Mineral Mining and Dressing) are not required to meet the “no industrial materials or activities exposed to storm water” standard to be eligible for this exception from routine inspections, per Parts 8.G.8.4, 8.H.8.1, and 8.J.8.1.

**This site is inactive and unstaffed, and has no industrial materials or activities exposed to storm water, in accordance with the substantive requirements in 40 CFR 122.26(g)(4)(iii) as signed and certified in Section 7 below.**

If you are invoking the exception for inactive and unstaffed sites for your routine facility inspections and/or quarterly visual assessments, include information to support this claim.

N/A

## 4.7 Monitoring.

### Instructions (see 2015 MSGP Part 5.2.5.3):

Describe your procedures for conducting the five types of analytical monitoring specified by the 2015 MSGP, where applicable to your facility, including:

- Benchmark monitoring (2015 MSGP Part 6.2.1 and relevant requirements in Part 8 and/or Part 9);
- Effluent limitations guidelines monitoring (2015 MSGP Part 6.2.2 and relevant requirements in Part 8);
- State- or tribal-specific monitoring (2015 MSGP Part 6.2.3 and relevant requirements in Part 9);
- Impaired waters monitoring (2015 MSGP Part 6.2.4);
- Other monitoring as required by EPA (2015 MSGP Part 6.2.5).

Depending on the type of facility you operate, and the monitoring requirements to which you are subject, you must collect and analyze storm water samples and document monitoring activities consistent with the procedures described in 2015 MSGP Part 6 and Appendix B, Subsections 10 – 12, and any additional sector-specific or state/tribal-specific requirements in 2015 MSGP Parts 8 and 9, respectively. Refer to 2015 MSGP Part 7 for reporting and recordkeeping requirements. *Note: All monitoring must be conducted in accordance with the relevant sampling and analysis requirements at 40 CFR Part 136.* Include in your description procedures for ensuring compliance with these requirements.

If you are invoking the exception for inactive and unstaffed sites for benchmark monitoring, you must include in your SWPPP the information to support this claim as required by 2015 MSGP Part 6.2.1.3.

If you plan to use the substantially identical discharge point exception for your benchmark monitoring requirements, impaired waters monitoring requirements, and/or your quarterly visual assessment, you must include the following documentation:

- Location of each of the substantially identical discharge points;
- Description of the general industrial activities conducted in the drainage area of each discharge point;
- Description of the control measures implemented in the drainage area of each discharge point;
- Description of the exposed materials located in the drainage area of each discharge point that are likely to be significant contributors of pollutants to storm water discharges;
- An estimate of the runoff coefficient of the drainage areas (low = under 40%; medium = 40 to 65%; high = above 65%);
- Why the discharge points are expected to discharge substantially identical effluents.

Check the following monitoring activities applicable to your facility:

- Quarterly benchmark monitoring
- Effluent limitations guidelines monitoring
- State- or tribal-specific monitoring
- Impaired waters monitoring
- Other monitoring required by EPA

For each type of monitoring checked above, your SWPPP must include the following information:

**Select type of monitoring activity from drop-down list below** (if subject to more than one type of monitoring activity, you will need to copy and paste the items below for each monitoring activity):

**Quarterly Benchmark Monitoring**

1. **Sample location(s).** Background or run-on monitoring is conducted at the southeast side of the site, where the irrigation canal enters the property. There are several industrial sites upgradient of this operation that discharge to the canal, and it is imperative to be able to establish where pollutants in the canal are pre-existing or are a results of this operation. This location is marked on the site plan. [Samples will be collected at the outfalls](#) listed below. There are no substantially identical outfalls at this site.
2. **Pollutants to be sampled.**

Subsector	Outfall	Parameter	Benchmark Concentration
<b>Subsector E2. Concrete Product Manufacturers (SIC 3273)</b>	TBD	Total Suspended Solids (TSS)	100 mg/L
	TBD	Total Iron	1.0 mg/L

3. **Monitoring Schedules.** [Monitoring will be conducted quarterly starting the 4<sup>th</sup> quarter of 2015.](#)
4. **Numeric Limitations.** [N/A](#)

**Procedures.** [Describe procedures you will follow for collecting samples, including responsible staff who will be involved, logistics for taking and handling samples, laboratory to be used, etc.](#) Measurable Storm Events: All required monitoring must be performed on a storm event that results in an actual discharge from this site (“measurable storm event”) that follows the preceding measurable storm event by at least 72 hours (3 days). In the case of snowmelt, the monitoring must be performed at a time when a measurable discharge occurs from this site. For each monitoring event, except snowmelt monitoring, the date and duration (in hours) of the rainfall event, rainfall total (in inches) for that rainfall event, and time (in days) since the previous measurable storm event will be recorded on the monthly inspection form for the month sampled. For snowmelt monitoring, you must identify the date of the sampling event.

Sample Type: Samples will be collected by a member of the Pollution Prevention Team (see Section 5.1.1). A minimum of one grab sample from a discharge resulting from a measurable storm event will be collected within the first 30 minutes of a measurable storm event. If it is not possible to collect the sample within the first 30 minutes of a measurable storm event, the sample must be collected as soon as practicable after the first 30 minutes and documentation must be recorded on the monthly inspection form for the month sampled explaining why it was not possible to take samples within the first 30 minutes. In the case of snowmelt, samples must be taken during a period with a measurable discharge. Samples will be collected in the following containers, and taken to the lab within the listed hold time:

Analysis	Method	Container	Preservative	Hold Time
TSS	160.2	500 ml Poly	Cool 4deg C	7 days max
Nitrate / Nitrite	353.2	250 ml Poly	Cool 4 deg C H <sub>2</sub> SO <sub>4</sub> pH<2	28 days max
Total Iron	200.7	250 ml Poly	Cool 4deg C	48 hours max

pH	Direct read	n/a	n/a	15 min
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A chain of custody will be completed for each sample taken to the lab. Samples will be placed in a cooler with ice or a cool-pack while being held / delivered to the lab. Samples will be taken to:

Analytical Lab Inc.  
 1804 N 33<sup>rd</sup> Street,  
 Boise Idaho 83703.  
 (208) 342-5515

Data not exceeding benchmarks: After collection of 4 consecutive quarterly samples, if any parameter does not exceed the benchmark, the monitoring requirements for that parameter for the permit term have been completed.

Data exceeding benchmarks: If any of the four quarterly samples for any parameter exceeds the benchmark, the exceedance will be documented in this SWPPP within 24 hours. The exceedance will be evaluated to determine if a Corrective Action is required (see Section 6). The selection, design, installation, and implementation of control measures will be reviewed to determine if modifications are necessary to meet the benchmarks in the 2015 MSGP permit. One of the following actions will be taken:

(1) Make the necessary corrective actions and continue quarterly monitoring until four consecutive quarters of monitoring are less than the benchmark concentration.

(2) Make a determination that no further pollutant reductions are technologically available and economically practicable and achievable in light of best industry practice to meet the technology-based effluent limits or are necessary to meet the water-quality-based effluent limitations in the 2015 MSGP, in which case monitoring must be performed once per year. Document the rationale for concluding that no further pollutant reductions are achievable, retain all records related to this documentation with this SWPPP, and notify EPA and IDEQ of this determination in the next benchmark monitoring report.

Adverse Weather Conditions: Employee safety takes priority over all else, including protection of the environment. When adverse weather conditions (those that are dangerous or create inaccessibility for personnel, such as local flooding, high winds, or electrical storms, or situations that otherwise make sampling impractical, such as drought or extended frozen conditions) prevent the collection of samples according to the relevant monitoring schedule, a substitute sample will be taken during the next qualifying storm event. Adverse weather does not exempt from having to file a benchmark monitoring report in accordance with the sampling schedule.

*Note: it may be helpful to create a table with columns corresponding to # 1 - 5 above for each type of monitoring you are required to conduct.*

**Inactive and unstaffed sites exception** (if applicable)

This site is inactive and unstaffed, and has no industrial materials or activities exposed to storm water, in accordance with the substantive requirements in 40 CFR 122.26(g)(4)(iii) as signed and certified in Section 7 below.



### **Substantially identical discharge point (outfall) exception (if applicable)**

If you plan to use the substantially identical discharge point exception for your benchmark monitoring and/or quarterly visual assessment requirements, include the following information here to substantiate your claim that these discharge points are substantially identical (2015 MSGP Part 5.2.5.3):

- Location of each of the substantially identical discharge points: [N/A](#)
- List the general industrial activities conducted in the drainage area of each discharge point: [N/A](#)
- List the control measures implemented in the drainage area of each discharge point: [N/A](#)
- List the exposed materials located in the drainage area of each discharge point that are likely to be significant contributors of pollutants to storm water discharges: [N/A](#)
- An estimate of the runoff coefficient of the drainage areas (low=under 40%; medium=40 to 65%; high =above 65%): [N/A](#)
- Why the discharge points are expected to discharge substantially identical effluents: [N/A](#)

## **SECTION 5: DOCUMENTATION TO SUPPORT ELIGIBILITY CONSIDERATIONS UNDER OTHER FEDERAL LAWS.**

### **5.1 Documentation Regarding Endangered Species.**

**Instructions (see 2015 MSGP Part 5.2.6.1):**

Include any documentation you have that supports your determination of eligibility consistent with 2015 MSGP, Part 1.1.4.5 (Endangered and Threatened Species and Critical Habitat Protection). Refer to Appendix E of the 2015 MSGP for specific instructions for establishing eligibility.

[Endangered Species documentation is included with the NOI and the Delegation of Authority letter in Appendix A.](#)

### **5.2 Documentation Regarding Historic Properties.**

**Instructions (see 2015 MSGP Part 5.2.6.2):**

Include any documentation you have that supports your determination of eligibility consistent with 2015 MSGP Part 1.1.4.6 (Historic Properties Preservation). Refer to 2015 MSGP, Appendix F for specific instructions for establishing eligibility.

[Historic Properties documentation is included with the NOI and the Delegation of Authority letter in Appendix A.](#)

## **SECTION 6: CORRECTIVE ACTIONS.**

**Instructions (see 2015 MSGP Part 4):**

Describe the procedures for taking corrective action in compliance with Part 4 of the 2015 MSGP.

If any of the following conditions occur, the selection, design, installation, and implementation of control measures identified in this plan must be reviewed to ensure that the condition is eliminated and will not be repeated in the future:

an unauthorized release or discharge (e.g., spill, leak, or discharge of non-storm water not authorized by this or another NPDES permit), a discharge violates a numeric effluent limit; you become aware, or EPA determines, that the control measures are not stringent enough for the discharge to meet applicable water quality standards; an inspection or evaluation of your facility by an EPA official, or local, State, or Tribal entity, determines that modifications to the control measures are necessary to meet the non-numeric effluent limits in this plan; or a routine facility inspection, quarterly visual assessment, or comprehensive site inspection indicates that control measures are not being properly operated and maintained.

If any of the following conditions occur, the selection, design, installation, and implementation of control measures identified in this plan must be reviewed to determine if modifications are necessary to meet the effluent limits in this plan:

construction or a change in design, operation, or maintenance at this facility significantly changes the nature of pollutants discharged in storm water from this facility, or significantly increases the quantity of pollutants discharged; or

the average of 4 quarterly sampling results exceeds an applicable benchmark. If less than 4 benchmark samples have been taken, but the results are such that an exceedance of the 4 quarter average is mathematically certain (i.e., if the sum of quarterly sample results to date is more than 4 times the benchmark level) this is considered a benchmark exceedance, triggering this review.

Documentation of any of the above conditions will be made within 24 hours of making such discovery. Subsequently, within 14 days of such discovery, document any corrective action(s) to be taken to eliminate or further investigate the deficiency, or if no corrective action is needed, the basis for that determination. If changes are necessary following the review, any modifications to control measures must be made before the next storm event if possible, or as soon as practicable following that storm event.

Within 24 hours of discovery of any condition listed above, document the following information (i.e., questions 3-5 of the Corrective Actions section in the Annual Reporting Form, provided in Appendix 6 of this plan): identification of the condition triggering the need for corrective action review; description of the problem identified; and date the problem was identified. Within 14 days of discovery of any condition listed above, document the following information (i.e., questions 7-11 of the Corrective Actions section in the Annual Reporting Form, provided in Appendix 6 of this plan): summary of corrective action taken or to be taken (or, for triggering events where you determine that corrective action is not necessary, the basis for this determination); notice of whether SWPPP modifications are required as a result of this discovery or corrective action; date corrective action initiated; and date corrective action completed or expected to be completed. This documentation must be submitted in an annual report, and a copy retained onsite with this plan.



## SECTION 7: SWPPP CERTIFICATION.

**Instructions (see 2015 MSGP Part 5.2.7):**

The following certification statement must be signed and dated by a person who meets the requirements of Appendix B, Subsection 11.A, of the 2015 MSGP.

*Note: this certification must be re-signed in the event of a SWPPP modification in response to a Part 4.1 trigger for corrective action.*

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: Eric St Pierre Title: General Manager

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

## SECTION 8: SWPPP MODIFICATIONS.

### Instructions (see 2015 MSGP Part 5.3):

Your SWPPP is a “living” document and is required to be modified and updated, as necessary, in response to corrective actions. See Part 4 of the 2015 MSGP.

- If you need to modify the SWPPP in response to a corrective action required by Part 4.1 or 4.2 of the 2015 MSGP, then the certification statement in section 7 of this SWPPP template must be re-signed in accordance with 2015 MSGP Appendix B, Subsection 11.A.
- For any other SWPPP modification, you should keep a log with a description of the modification, the name of the person making it, and the date and signature of that person. See 2015 MSGP Appendix B, Subsection 11.C.

## SWPPP ATTACHMENTS

Attach the following documentation to the SWPPP:

### ***Attachment 1 – General Location Map***

*General location map is attached to the front of this SWPPP*

### ***Attachment 2– Site Map***

*Site map is attached to the front of this SWPPP*

### ***Attachment 3 –2015 MSGP***

*A copy of the MSGP is attached as Appendix B*