**Stormwater Pollution Prevention Plan (SWPPP)**

For Construction Activities At:

Cottonwood Bay

Cottonwood Bay Lane

Coeur d’ Alene, ID 83876

Project 333 Cottonwood Bay

SWPPP Prepared For:

Kootenai Electric Cooperative

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SWPPP Preparation Date:

**01/15/2019**

**Estimated Project Dates:**

**Project Start Date: Contract Commencement Date (see Contract)**

**Project Completion Date: Contract Completion Date (see Contract)**

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#

# This SWPPP was prepared for the Cottonwood Bay Project, which will be covered under the 2017 Construction General Permit (2017). If a discrepancy exists between the 2017 CGP and this SWPPP, the requirements in the 2017 CGP shall rule.

# SECTION 1: CONTACT INFORMATION/RESPONSIBLE PARTIES

## 1.1 Operator(s) / Subcontractor(s)

Instructions (see definition of “operator” at CGP Part 1.1.1):

* Identify the operator(s) who will be engaged in construction activities at the site. Indicate respective responsibilities, where appropriate. Also include the 24-hour emergency contact.
* List subcontractors expected to work on-site. Notify subcontractors of stormwater requirements applicable to their work.
* Consider using Subcontractor Agreements such as the type included as a sample in Appendix G of the Template.

|  |
| --- |
| **Operator(s):** |
| Insert Company or Organization Name: Kootenai Electric Cooperative  |
| Insert Name: Scott Davis, PE |
|  Insert Address: 2451 W Dakota Avenue |
| Insert City, State, Zip Code: Hayden, Idaho 83835 |
| Insert Telephone Number: (208) 292-3276 |
| Insert Fax/Email: sdavis@kec.com |
| Insert area of control (if more than one operator at site): Kootenai Electric Cooperative (KEC) will be in control of the overall project and completion of the initial SWPPP document and inspections. However, KEC will not be responsible for the implementation of or updates to the SWPPP.  |
| Insert Company or Organization Name:  |
| Insert Name:  |
| Insert Address:  |
| Insert City, State, Zip Code:  |
| Insert Telephone Number:  |
| Insert Fax/Email:  |
| Insert area of control (if more than one operator at site): The Contractor shall be responsible for installation, maintenance and removal of BMPs, site maintenance, reporting and any other work required to comply with the 2017 Construction General Permit (CGP). |

|  |
| --- |
| **Subcontractor(s):** |
| Insert Company or Organization Name:  |
| Insert Name:  |
| Insert Address:  |
| Insert City, State, Zip Code:  |
| Insert Telephone Number:  |
| Insert Fax/Email:  |
| Insert area of control (if more than one operator at site): |
| [Repeat as necessary.]**Emergency 24-Hour Contact:** |
| Insert Company or Organization Name: |
| Insert Name: |
| Insert Telephone Number: |

|  |
| --- |
| 1.2 Stormwater TeamInstructions (see CGP Part 7.2.2):* Identify the staff members (by name or position) that comprise the project’s stormwater team as well as their individual responsibilities. At a minimum the stormwater team is comprised of individuals who are responsible for overseeing the development of the SWPPP, any later modifications to it, and for compliance with the requirements in this permit (i.e., installing and maintaining stormwater controls, conducting site inspections, and taking corrective actions where required).
* Each member of the stormwater team must have ready access to either an electronic or paper copy of applicable portions of the 2017 CGP and your SWPPP.
 |
| Insert Role or Responsibility: Development of initial SWPPP document |
| Insert Position: Project EngineerInsert Name: Ashley Williams, P.E. |
| Insert Telephone Number: (208) 664-9382 |
|  Insert Role or Responsibility: Development of initial SWPPP document |
| Insert Position: Engineer Technician Insert Name: Lynsey Petersen  |
| Insert Telephone Number: (208) 664-9382 |
| Insert Email: lpetersen@welchcomer.com |
| Insert Role or Responsibility: |
| Insert Position:Insert Name: |
| Insert Telephone Number: |
| Insert Email: |
|  |
| [Repeat as necessary] |

# SECTION 2: SITE EVALUATION, ASSESSMENT, AND PLANNING

## 2.1 Project/Site Information

Instructions (see “Project/Site Information” section of Appendix J – NOI form):

* In this section, you are asked to compile basic site information that will be helpful to you when you file your NOI.
* Detailed information on determining your site’s latitude and longitude can be found at [www.epa.gov/npdes/stormwater/latlong](http://www.epa.gov/npdes/stormwater/latlong)

|  |
| --- |
| **The project is comprised of two approximately 2-mile-long segments. It is anticipated that the contractor shall complete the project within one construction season. In the unlikely event that the project is not completed in one construction season, the contractor shall update the SWPPP (via the Amendment Log) and the site maps to show which segments will be completed.** **Business Days for Project: M-F****Hours for Project: 7am-5pm****Project Name and Address**Project/Site Name: Cottonwood Bay  |
| Project Street/Location: Cottonwood Bay Road  |
| City: Coeur d’ Alene |  |  |
| State: Idaho |
| ZIP Code: 83876 |
| County or Similar Subdivision: Kootenai |
| **Project Latitude/Longitude**(Use **one** of three possible formats, and specify method) |
| Latitude: | Longitude: |
| 1. 47 º 26 ' 50'' N (degrees, minutes, seconds) | 1. 116 º 50 ' 19'' W (degrees, minutes, seconds) |
| 2. \_ \_ º \_ \_ . \_ \_' N (degrees, minutes, decimal) | 2. \_ \_ º \_ \_ . \_ \_' W (degrees, minutes, decimal) |
| 3. \_ \_ . \_ \_ \_ \_ º N (decimal) | 3. \_ \_ . \_ \_ \_ \_ º W (decimal) |
| Method for determining latitude/longitude:  |
| [ ]  USGS topographic map (specify scale: ) | [ ]  EPA Web site | [ ]  GPS |
| [x]  Other (please specify): Google Earth  |
| Horizontal Reference Datum: [ ]  NAD 27 [x]  NAD 83 or WGS 84 [ ]  UnknownIf you used a U.S.G.S topographic map, what was the scale? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Additional Project Information** Is the project/site located on Indian country lands, or located on a property of religious or cultural significance to an Indian tribe? [x]  Yes  [ ]  NoIf yes, provide the name of the Indian tribe associated with the area of Indian country (including the name of Indian reservation if applicable), or if not in Indian country, provide the name of the Indian tribe associated with the property: Coeur d’ Alene Indian Reservation If you are conducting earth-disturbing activities in response to a public emergency, document the cause of the public emergency *(e.g., natural disaster, extreme flooding conditions)*, information substantiating its occurrence *(e.g., state disaster declaration)*, and a description of the construction necessary to reestablish effective public services: Are you applying for permit coverage as a “federal operator” as defined in Appendix A of the 2017 CGP? [ ]  Yes [x]  No |

## 2.2 Discharge Information

Instructions (see “Discharge Information” section of Appendix J – NOI form):

* In this section, include information relating to your site’s discharge. This information corresponds to the “Discharge Information” section of the NOI form. Because you may be using EPA’s mapping tool to answer some of these questions, and the tool is accessed in the eNOI system, you may find it necessary to leave some questions unanswered until you have completed that portion of the NOI.
* For Table 1, list the name of the first surface water that receives discharges from your site. If your site has discharges to multiple surface waters, indicate the names of all such waters.
* For Table 2, if any of the surface waters you listed out in Table 1 are listed as impaired by the applicable State or Tribe, provide specified information about pollutants causing the impairment and whether or not a Total Maximum Daily Load (TMDL) has been completed for the surface water. For more information on TMDLs and impaired waters, including a list of TMDL contacts and links by state, visit [www.epa.gov/npdes/stormwater/tmdl](http://www.epa.gov/npdes/stormwater/tmdl).
* For Table 3, indicate whether any of the surface waters you listed out in Table 1 are designated as Tier 2, 2.5, or 3 waters by your State or Tribe. See Appendix F for more information.

|  |
| --- |
| Does your project/site discharge stormwater into a Municipal Separate Storm Sewer System (MS4)? [ ]  Yes [x]  No |
|  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Table 1 – Names of Receiving Waters**

|  |
| --- |
| Name(s) of the first surface water that receives stormwater directly from your site and/or from the MS4 (note: multiple rows provided where your site has more than one point of discharge that flows to different surface waters) |
|
| 1. **Coeur d’ Alene Lake**
 |
|  |
| **3.** |
| **4.** |
| **5.** |
| **6.** |

 |
| [Include additional rows as necessary.]**Table 2 – Impaired Waters / TMDLs** (Answer the following for each surface water listed in Table 1 above)

|  |  |  |
| --- | --- | --- |
|  | 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? | Title of the TMDL document | Pollutant(s) for which there is a TMDL |
| **1.** | [x]  YES [ ]  NO | **Cadmium, Lead, Zinc, Phosphorus (Total)** | [x]  YES [ ]  NO | **ID17010303PN001L\_0L** | **N/A** |
| **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 |  |  |

[Include additional rows as necessary.]Describe the method(s) you used to determine whether or not your project/site discharges to an impaired water: The surface water that the site discharges to was identified based on-site topography. Idaho’s 2012 Final Integrated Report, by the Idaho Department of Environmental Quality, dated January 2014 was referenced in order to determine the support status of each of the identified waters, as outlined below:* Coeur d’ Alene Lake – Listed as Category 5: Approved by EPA and TMDL completed. Contains impaired waters for which a TMDL has been approved by EPA.

Since this water is not listed as Category 1 or 2, it is a Tier 1 water in Idaho.**Table 3 – Tier 2, 2.5, or 3 Waters** (Answer the following for each surface water listed in Table 1 above)

|  |  |  |
| --- | --- | --- |
|  | Is this surface water designated as a Tier 2, Tier 2.5, or Tier 3 water?(see Appendix F) | If you answered yes, specify which Tier (2, 2.5, or 3) the surface water is designated as? |
| **1.** | [ ]  YES [x]  NO | N/A |
| **2.** | [ ]  YES [ ]  NO | INSERT "Tier 2", "Tier 2.5", or "Tier 3" |
| **3.** | [ ]  YES [ ]  NO | INSERT "Tier 2", "Tier 2.5", or "Tier 3" |
| **4.** | [ ]  YES [ ]  NO | INSERT "Tier 2", "Tier 2.5", or "Tier 3" |
| **5.** | [ ]  YES [ ]  NO | INSERT "Tier 2", "Tier 2.5", or "Tier 3" |
| **6.** | [ ]  YES [ ]  NO | INSERT "Tier 2", "Tier 2.5", or "Tier 3" |

 |

## 2.3 Nature of the Construction Activity

Instructions (see CGP Parts 1.2.1.c and 7.2.3):

* Provide a general description of the nature of the construction activities at your project.
* Describe the size of the property (in acres) and the total area expected to be disturbed by the construction activities (in acres), construction support activities covered by this permit (see Part 1.2.1.c of the permit), and the maximum area expected to be disturbed at any one time.

|  |
| --- |
| **General Description of Project**Provide a general description of the construction project:  |
| This project involves trenching in and installing approximately 1.6 miles of I-phase, 1/0 Al, 260 mil jacketed cable in 2-inch conduit along Bob Worst Lane and Rainbow, McMahon and Cottonwood Beach Roads and removing the existing overhead I-phase 12.47 kV power distribution line. All of the project drains to a Water of the United States. The Site Map shows this area in the context of the larger project.  |
| **Size of Construction Project**What is the size of the property (in acres), the total area expected to be disturbed by the construction activities (in acres), and the maximum area expected to be disturbed at any one time? |
| INSERT SIZE OF PROPERTY (in acres)* Total Project: 13.5 acres (based on delineated right of way for project and project limits)
* Project Portion Draining to Water of U.S.: 13.5 acres (based on delineated right-of-way for project and project drainage limits)

INSERT TOTAL AREA OF CONSTRUCTION DISTURBANCES (in acres)* Total Project: 13.5 acres (based on project limits)
* Project Portion Draining to Water of U.S.: 13.5 acres (based on project drainage limits)

INSERT MAXIMUM AREA TO BE DISTURBED AT ANY ONE TIME (in acres): Due to the nature of the construction project (roadway reconstruction and linear utility), the entire disturbance area may be disturbed at some point during construction.The site maps in Appendix A shows larger areas than what is being disturbed due to scaling. **Construction Support Activities** (only provide if applicable)Describe any construction support activities for the project (e.g., concrete or asphalt batch plants, equipment staging yards, material storage areas, excavated material disposal areas, borrow areas) **The Contractor shall be responsible for identifying any construction support activities and completing this section as applicable.** |
| INSERT DESCRIPTION OF CONSTRUCTION SUPPORT ACTIVITYINSERT CONTACT INFORMATION FOR CONSTRUCTION SUPPORT ACTIVITY (Name, Telephone No., Email Address)INSERT LOCATION INFORMATION FOR CONSTRUCTION SUPPORT ACTIVITY (Address and/or Latitude/Longitude)[Repeat as necessary.]  |

## 2.4 Sequence and Estimated Dates of Construction Activities

Instructions (see CGP Part 7.2.3.f):

* Describe the intended construction sequence and timing of major activities.
* For each phase of construction, include the following information:
	+ Installation of stormwater controls, and when they will be made operational;
	+ Commencement and duration of earth-disturbing activities, including clearing and grubbing, mass grading, site preparation (i.e., excavating, cutting and filling), final grading, and creation of soil and vegetation stockpiles requiring stabilization;
	+ Cessation, temporarily or permanently, of construction activities on the site, or in designated portions of the site;
	+ Final or temporary stabilization of areas of exposed soil. The dates for stabilization must reflect the applicable deadlines to which you are subject to in Part 2.2.14; and
	+ Removal of temporary stormwater conveyances/channels and other stormwater control measures, removal of construction equipment and vehicles, and cessation of any pollutant-generating activities.
* The construction sequence must reflect the following requirements:
	+ Part 2.2 (installation of stormwater controls); and
	+ Parts 2.2.14 (stabilization deadlines).
* Also, see EPA’s *Construction Sequencing BMP Fact Sheet* at <http://www.epa.gov/npdes/stormwater/menuofbmps/construction/cons_seq>)

**The Contractor shall be responsible for completion of this section.**

**Phase I**

INSERT GENERAL DESCRIPTION OF PHASE

* Commencement of construction activities
* Temporary or permanent cessation of construction activities
* Temporary or final stabilization of exposed areas
* Removal of temporary stormwater controls and construction equipment or vehicles, and the cessation of construction-related pollutant-generating activities

**Phase II**

INSERT GENERAL DESCRIPTION OF PHASE

* Commencement of construction activities
* Temporary or permanent cessation of construction activities
* Temporary or final stabilization of exposed areas
* Removal of temporary stormwater controls and construction equipment or vehicles, and the cessation of construction-related pollutant-generating activities

[Repeat as needed.]

## 2.5 Allowable Non-Stormwater Discharges

Instructions (see CGP Parts 1.2.2 and 7.2.5):

* Identify all allowable sources of non-stormwater discharges. The allowable non-stormwater discharges identified in Part 1.2.2 of the 2017 CGP include:
* Discharges from emergency fire-fighting activities;
* Fire hydrant flushing;
* Landscape irrigation;
* Waters used to wash vehicles and equipment, provided that there is no discharge of soaps, solvents, or detergents used for such purposes;
* Water used to control dust;
* Potable water including uncontaminated water line flushing;
* Routine external building wash down that does not use detergents;
* Pavement wash waters provided spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and detergents are not used. You are prohibited from directing pavement was waters directly into any surface water, storm drain inlet, or stormwater conveyance, unless the conveyance is connected to a sediment basin, sediment trap, or similarly effective control;
* Uncontaminated air conditioning or compressor condensate;
* Uncontaminated, non-turbid discharges of ground water or spring water;
* Foundation or footing drains where flows are not contaminated with process materials such as solvents or contaminated ground water; and
* Construction dewatering water that has been treated by an appropriate control.

|  |
| --- |
| As stated in CGP Part 1.2.2, the allowable non-stormwater discharges are only allowed “provided that, with the exception of water used to control dust and to irrigate areas to be vegetative stabilized, these discharges are not routed to areas of the exposed soil on [the] site”. List of Allowable Non-Stormwater Discharges Present at the Site |

|  |  |
| --- | --- |
| Type of Allowable Non-Stormwater Discharge | Likely to be Present at Your Site? |
| Discharges from emergency fire-fighting activities | [ ]  YES [x]  NO |
| Fire hydrant flushings | [ ]  YES [x]  NO |
| Landscape irrigation | [x]  YES [ ]  NO |
| Waters used to wash vehicles and equipment | [x]  YES [ ]  NO |
| Water used to control dust | [x]  YES [ ]  NO |
| Potable water including uncontaminated water line flushings | [ ]  YES [x]  NO |
| Routine external building wash down | [ ]  YES [x]  NO |
| Pavement wash waters | [x]  YES [ ]  NO |
| Uncontaminated air conditioning or compressor condensate | [ ]  YES [x]  NO |
| Uncontaminated, non-turbid discharges of ground water or spring water | [ ]  YES [x]  NO |
| Foundation or footing drains | [ ]  YES [x]  NO |
| Construction dewatering water | [x]  YES [ ]  NO |

**(Note: You are reminded of the requirement to identify the likely locations of these allowable non-stormwater discharges on your site map. See Section 2.6, below, of the SWPPP Template.) Contractor shall update this on the Site Map**.

These discharges may occur at any point along the project, as the project is linear.

**It is the responsibility of the Contractor to identify any of these discharges that occur on the site map.**

## 2.6 Site Maps

Refer to the maps and plan sheets provided in Appendix A as well as the notes in bold made next to each item in the instructions box below.

**Contractor shall be responsible for keeping an updated site map on-site throughout the project.**

Instructions (see CGP Part 7.2.4):

* Attach site maps in Appendix A of the Template. For most projects, a series of site maps is necessary and recommended. The first should show the undeveloped site and its current features. An additional map or maps should be created to show the developed site or, for more complicated sites, show the major phases of development.

These maps must include the following features:

* Boundaries of the property and of the locations where construction will occur **(all construction will occur within the right of way, as shown on the plan sheets)**, including:
	+ Locations where earth-disturbing activities will occur, noting any phasing of construction activities; **Refer to the attached plan sheets showing the location of roadway reconstruction, sanitary sewer force main installation, and waterline installation (ground disturbing activity)**
	+ Approximate slopes before and after major grading activities. Note areas of steep slopes, as defined in Appendix A; **Refer to the attached plan sheets showing the topography of the site. There are some locations with steep slopes, which have been identified on the General Location Map.**
	+ Locations where sediment, soil, or other construction materials will be stockpiled; **Contractor shall be responsible for determining stockpile locations and for updating the site map accordingly.**
	+ Locations of any crossings of surface waters: **There are no surface water crossings.**
	+ Designated points on the site where vehicles will exit onto paved roads; **Contractor shall be responsible for identifying on site map.**
	+ Locations of structures and other impervious surfaces upon completion of construction; **Contractor shall be responsible for identifying on site map..**  and
	+ Locations of construction support activity areas covered by this permit. **The Contractor shall be responsible for identifying construction support activities and for updating the site map accordingly**
* Locations of all surface waters, including wetlands, that exists on or near your site and within 1 mile downstream of the point of discharge. 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. **Refer to the Existing Conditions Map and the Wetland Map**
* The boundary lines of any natural buffer areas. See CGP Part 2.2.1. **Not applicable.**
* Areas of federally-listed critical habitat for endangered or threatened species. **Refer to the Critical Habitat Map in Appendix K.**
* Topography of the site **(refer to the attached plan sheets and General Location Map)**, existing vegetative cover (e.g., forest, pasture, pavement, structures) **(refer to the Existing Conditions Map)**, and drainage pattern(s) of stormwater and allowable non-stormwater flow onto, over, and from the site property before and after major grading activities. **(refer to the General Location Map)**
* Stormwater and allowable non-stormwater discharge locations, including:
	+ Locations of any storm drain inlets on the site and in the immediate vicinity of the site; **(refer to the attached plan sheets)** and
	+ Locations where stormwater or allowable non-stormwater will be discharged to storm drain inlets and surface waters (including wetlands). **(refer to attached General Location Map)**
* Locations of all potential pollutant-generating activities. **Refer to attached plan sheets and Section 5.1 of this document.**
* Locations of stormwater control measures. **Refer to attached plan sheets.**
* Locations where polymers, flocculants, or other treatment chemicals will be used and stored. **Not applicable.**

# SECTION 3: DOCUMENTATION OF COMPLIANCE WITH OTHER FEDERAL REQUIREMENTS

## 3.1 Endangered Species Protection

Instructions (see CGP Parts 1.1.5, 7.2..9.a, Appendix D, and the “Endangered Species Protection” section of the Appendix J – NOI form):

Follow the process in Appendix D of the permit for determining which eligibility criterion (A-E) you have met with respect to the protection of endangered species. You will

* Include documentation supporting your determination of eligibility.
* Additional information on Endangered Species Act (ESA) provisions for EPA’s Construction General Permit is at [www.epa.gov/npdes/stormwater/esa](http://www.epa.gov/npdes/stormwater/esa)

|  |
| --- |
| Eligibility CriterionUnder which criterion listed in Appendix D are you eligible for coverage under this permit?  |
| [ ]  A [ ]  B [x]  C [ ]  D [ ]  E |
| For reference purposes, the eligibility criteria listed in Appendix D are as follows:

|  |  |
| --- | --- |
| Criterion A. | No federally-listed threatened or endangered species or their designated critical habitat(s) are likely to occur in your site’s “action area” as defined in Appendix A of this permit.  |
| Criterion B. | The construction site’s discharges and discharge-related activities were already addressed in another operator’s valid certification of eligibility for your action area under eligibility Criterion A, C, D, E, or F and there is no reason to believe that federally-listed species or federally-designated critical habitat not considered in the prior certification may be present or located in the “action area”. To certify your eligibility under this Criterion, there must be no lapse of NPDES permit coverage in the other operator’s certification. By certifying eligibility under this Criterion, you agree to comply with any effluent limitations or conditions upon which the other operator's certification was based. You must include in your NOI the tracking number from the other operator’s notification of authorization under this permit. If your certification is based on another operator’s certification under Criterion C, you must provide EPA with the relevant supporting information required of existing dischargers in Criterion C in your NOI form. |
| Criterion C. | Federally-listed threatened or endangered species or their designated critical habitat(s) are likely to occur in or near your site’s “action area,” and your site’s discharges and discharge-related activities are not likely to adversely affect listed threatened or endangered species or critical habitat. This determination may include consideration of any stormwater controls and/or management practices you will adopt to ensure that your discharges and discharge-related activities are not likely to adversely affect listed species and critical habitat. To make this certification, you must include the following in your NOI: 1) any federally listed species and/or designated habitat located in your “action area”; and 2) the distance between your site and the listed species or designated critical habitat (in miles). You must also include a copy of your site map with your NOI. |
| Criterion D. | Coordination between you and the Services has been concluded. The coordination must have addressed the effects of your site’s discharges and discharge-related activities on federally-listed threatened or endangered species and federally-designated critical habitat and must have resulted in a written concurrence from the relevant Service(s) that your site’s discharges and discharge-related activities are not likely to adversely affect listed species or critical habitat. You must include copies of the correspondence between yourself and the Services in your SWPPP and your NOI. |
| Criterion E. | Consultation between a Federal Agency and the U.S. Fish and Wildlife Service and/or the National Marine Fisheries Service under section 7 of the ESA has been concluded. The consultation must have addressed the effects of the construction site’s discharges and discharge-related activities on federally-listed threatened or endangered species and federally-designated critical habitat. The result of this consultation must be either: |
|  | i. a biological opinion that concludes that the action in question (taking into account the effects of your site’s discharges and discharge-related activities) is not likely to jeopardize the continued existence of listed species, nor the destruction or adverse modification of critical habitat; or |
|  | ii. written concurrence from the applicable Service(s) with a finding that the site’s discharges and discharge-related activities are not likely to adversely affect federally-listed species or federally-designated habitat.You must include copies of the correspondence between yourself and the Services in your SWPPP and your NOI. |
| Criterion F. | Your construction activities are authorized through the issuance of a permit under section 10 of the ESA, and this authorization addresses the effects of the site’s discharges and discharge-related activities on federally-listed species and federally-designated critical habitat. You must include copies of the correspondence between yourself and the Services in your SWPPP and your NOI. |

Supporting Documentation Provide documentation for the applicable eligibility criterion you select in Appendix D, as follows:For criterion A, indicate the basis for your determination that no federally-listed threatened or endangered species or their designated critical habitat(s) are likely to occur in your site’s action area (as defined in Appendix A of the permit). Check the applicable source of information you relied upon:[ ]  Specific communication with staff of the U.S. Fish & Wildlife Service or National Marine Fisheries Service. INSERT DATE OF COMMUNICATION AND WHO YOU SPOKE WITH [ ]  Publicly available species list. INSERT SPECIFIC DOCUMENT AND/OR WEBSITE RELIED UPON[ ]  Other source: INSERT SPECIFIC SOURCEFor criterion B, provide the Tracking Number from the other operator’s notification of permit authorization: INSERT AUTHORIZATION TRACKING NUMBER FROM OTHER OPERATOR'S NOTIFICATION LETTER/EMAIL Provide a brief summary of the basis used by the other operator for selecting criterion A, B, C, D, E, or F: INSERT TEXT HERE  |
|  |
| **For criterion C**, provide the following information:Below is the species list for Kootenai County, Idaho found on the U.S. Fish & Wildlife Service website on 1/5/2017. Refer to Appendix K for the list.* Mammals
	+ Southern Selkirk Mountains woodland caribou (endangered/designated critical habitat)
	+ Grizzly bear (threatened)
	+ North Idaho ground squirrel (threatened)
	+ Canada Lynx (Threatened/designated critical habitat)
	+ North American Wolverine (Proposed threatened)
* Flowering Plants
	+ Spalding’s Catchfly (Threatened)
	+ Water Howellia (Threatened)
	+ MacFarlane’s four-o’clock (Threatened)
	+ Ute ladies’- tresses (Threatened)
	+ Slickspot peppergrass (Threatened/proposed critical habitat)
	+ Whitebark Pine (Candidate)
* Fishes
	+ Kootenai River white sturgeon (endangered/designated critical habitat)
	+ Bull Trout (Threatened/designated critical habitat)
* Birds
	+ Yellow-Billed Cuckoo (Threatened)

It should be noted that when the U.S. Fish & Wildlife Service’s IPaC tool was used for the overall project area, the only species identified for the project action area was the North American Wolverine. Refer to Appendix K for the resource list form IPaC.INSERT DISTANCE BETWEEN YOUR SITE AND THE LISTED SPECIES OR CRITICAL HABITAT (in miles): The nearest critical habitat is Coeur d’ Alene Lake, which is listed for Bull Trout. As can be seen on the Critical Habitat Map included in Appendix A, the lake is approximately 20 feet from the project area which drains to the Water of the U.S.Also, provide a brief summary of the basis used for determining that your site’s discharges and discharge-related activities are not likely to adversely affect listed species or critical habitat: This project is a utility construction project that will take place within an existing road right of waythat has previously been disturbed. This project will utilize a berm/barrier to reduce or eliminate all together discharge to the Lake. As such, we determined the project will likely not adversely impact species, based on the project type, the current list for Kootenai County, and the resource list for the project area generated in IPaC.**For criterion D, E, or F**, attach copies of any letters or other communication between you and the U.S. Fish & Wildlife Service or National Marine Fisheries Service concluding consultation or coordination activities. INSERT COPIES OF LETTERS OR OTHER COMMUNICATIONS HERE |
|  |

## 3.2 Historic Preservation

Instructions (see CGP Part 1.1.6, 7.2.9.b, Appendix E, and the “Historic Preservation” section of the Appendix J – NOI form):

Follow the screening process in Appendix E of the permit for determining whether your installation of subsurface earth-disturbing stormwater controls will have an effect on historic properties.

* Include documentation supporting your determination of eligibility.
* To contact your applicable state or tribal historic preservation office, information is available at [*www.achp.gov/programs/html*](http://www.achp.gov/programs/html).

|  |
| --- |
| **Appendix E, Step 1**Do you plan on installing any of the following stormwater controls at your site? Check all that apply below, and proceed to Appendix E, Step 2. [ ]  Dike[x]  Berm[x]  Catch Basin[ ]  Pond[x]  Stormwater Conveyance Channel (e.g., ditch, trench, perimeter drain, swale, etc.)[x]  Culvert[ ]  Other type of ground-disturbing stormwater control: (Note: If you will not be installing any ground-disturbing stormwater controls, no further documentation is required for Section 3.2 of the Template.)**Appendix E, Step 2** |
| If you answered yes in Step 1, have prior surveys or evaluations conducted on the site already determined that historic properties do not exist, or that prior disturbances at the site have precluded the existence of historic properties? [ ]  YES [x]  NO * If yes, no further documentation is required for Section 3.2 of the Template.
* If no, proceed to Appendix E, Step 3.

**Appendix E, Step 3**  |
| If you answered no in Step 2, have you determined that your installation of subsurface earth-disturbing stormwater controls will have no effect on historic properties? [x]  YES [ ]  NO If yes, provide documentation of the basis for your determination. A cultural investigation for Cottonwood Bay was prepared by ACRMCO: Archaeological Cultural Resource Management Consultants in Spring 2016.**Appendix E, Step 4**If you answered no in Step 3, did the State Historic Preservation Officer (SHPO), Tribal Historic Preservation Office (THPO), or other tribal representative (whichever applies) respond to you within 15 calendar days to indicate whether the subsurface earth disturbances caused by the installation of stormwater controls affect historic properties? [ ]  YES [x]  NOIf no, no further documentation is required for Section 3.2 of the Template.If yes, describe the nature of their response:[ ]  Written indication that adverse effects to historic properties from the installation of stormwater controls can be mitigated by agreed upon actions. INSERT COPIES OF LETTERS, EMAILS, OR OTHER COMMUNICATION BETWEEN YOU AND THE APPLICABLE SHPO, THPO, OR OTHER TRIBAL REPRESENTATIVE[ ]  No agreement has been reached regarding measures to mitigate effects to historic properties from the installation of stormwater controls. INSERT COPIES OF LETTERS, EMAILS, OR OTHER COMMUNICATION BETWEEN YOU AND THE APPLICABLE SHPO, THPO, OR OTHER TRIBAL REPRESENTATIVE[ ]  Other:  |

## 3.3 Safe Drinking Water Act Underground Injection Control Requirements

Instructions (see CGP Part 7.2.9.c):

* If you will use any of the identified controls in this section, include documentation of contact between you and the applicable state agency or EPA Regional Office responsible for implementing the requirements for underground injection wells in the Safe Drinking Water Act and EPA’s implementing regulations at 40 CFR Parts 144-147.
* For state UIC program contacts, refer to the following EPA website: [*http://water.epa.gov/type/groundwater/uic/whereyoulive.cfm*](http://water.epa.gov/type/groundwater/uic/whereyoulive.cfm)*.*

|  |
| --- |
| **This section is not applicable to this project.**Do you plan to install any of the following controls? Check all that apply below.[ ]  Infiltration trenches (if stormwater is directed to any bored, drilled, driven shaft or dug hole that is deeper than its widest surface dimension, or has a subsurface fluid distribution system)[ ]  Commercially manufactured pre-cast or pre-built proprietary subsurface detention vaults, chambers, or other devices designed to capture and infiltrate stormwater flow[ ]  Drywells, seepage pits, or improved sinkholes (if stormwater is directed to any bored, drilled, driven shaft or dug hole that is deeper than its widest surface dimension, or has a subsurface fluid distribution system)If yes, INSERT COPIES OF LETTERS, EMAILS, OR OTHER COMMUNICATION BETWEEN YOU AND THE STATE AGENCY OR EPA REGIONAL OFFICE  |

#

# SECTION 4: EROSION AND SEDIMENT CONTROLS

General Instructions (See CGP Parts 2.2 and 7.2.6):

* Describe the erosion and sediment controls that will be installed and maintained at your site.
* For more information or ideas on BMPs, see EPA’s National Menu of BMPs <http://www.epa.gov/npdes/stormwater/menuofbmps>

## 4.1 Natural Buffers or Equivalent Sediment Controls

Instructions (see CGP Parts 2.2.1 and 7.2.6.b.i, and Appendix G):

This section only applies to you if a surface water is located within 50 feet your construction activities. If this is the case, consult CGP Part 2.2.1 and Appendix G for information on how to comply with the buffer requirements.

* Describe the compliance alternative (CGP Part 2.2.1.a) that was chosen to meet the buffer requirements, and include any required documentation supporting the alternative selected. The compliance alternative selected must be maintained throughout the duration of permit coverage. However, if you select a different compliance alternative during your period of permit coverage, you must modify your SWPPP to reflect this change.
* If you qualify for one of the exceptions in CGP Part 2.2.1.b, include documentation related to your qualification for such exceptions.

**Buffer Compliance Alternatives**

Are there any surface waters within 50 feet of your project’s earth disturbances? [x]  YES [ ]  NO

(Note: If no, no further documentation is required for the SWPPP Template.)

Check the compliance alternative that you have chosen:

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

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

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

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

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

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

* INSERT WIDTH OF NATURAL BUFFER TO BE RETAINED
* INSERT EITHER ONE OF THE FOLLOWING:

(1) THE ESTIMATED SEDIMENT REMOVAL FROM A 50-FOOT BUFFER USING APPLICABLE TABLES IN APP. G, ATTACHMENT 1. INCLUDE INFORMATION ABOUT THE BUFFER VEGETATION AND SOIL TYPE THAT PREDOMINATE AT YOUR SITE

OR

(2) IF YOU CONDUCTED A SITE-SPECIFIC CALCULATION FOR THE ESTIMATED SEDIMENT REMOVAL OF A 50-FOOT BUFFER, PROVIDE THE SPECIFIC REMOVAL EFFICIENCY, AND INFORMATION YOU RELIED UPON TO MAKE YOUR SITE-SPECIFIC CALCULATION.

* INSERT DESCRIPTION OF ADDITIONAL EROSION AND SEDIMENT CONTROLS TO BE USED IN COMBINATION WITH NATURAL BUFFER AREA
* INSERT THE FOLLOWING INFORMATION:
* (1) SPECIFY THE MODEL OR OTHER TOOL USED TO ESTIMATE SEDIMENT LOAD REDUCTIONS FROM THE COMBINATION OF THE BUFFER AREA AND ADDITIONAL EROSION AND SEDIMENT CONTROLS INSTALLED AT YOUR SITE, AND
* (2) INCLUDE THE RESULTS OF CALCULATIONS SHOWING THAT THE COMBINATION OF YOUR BUFFER AREA AND THE ADDITIONAL EROSION AND SEDIMENT CONTROLS INSTALLED AT YOUR SITE WILL MEET OR EXCEED THE SEDIMENT REMOVAL EFFICIENCY OF A 50-FOOT BUFFER

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

* INSERT RATIONALE FOR CONCLUDING THAT IT IS INFEASIBLE TO PROVIDE AND MAINTAIN A NATURAL BUFFER OF ANY SIZE
* INSERT EITHER ONE OF THE FOLLOWING:

(1) THE ESTIMATED SEDIMENT REMOVAL FROM A 50-FOOT BUFFER USING APPLICABLE TABLES IN APP. G, ATTACHMENT 1. INCLUDE INFORMATION ABOUT THE BUFFER VEGETATION AND SOIL TYPE THAT PREDOMINATE AT YOUR SITE

OR

(2) IF YOU CONDUCTED A SITE-SPECIFIC CALCULATION FOR THE ESTIMATED SEDIMENT REMOVAL OF A 50-FOOT BUFFER, PROVIDE THE SPECIFIC REMOVAL EFFICIENCY, AND INFORMATION YOU RELIED UPON TO MAKE YOUR SITE-SPECIFIC CALCULATION.

* INSERT DESCRIPTION OF ADDITIONAL EROSION AND SEDIMENT CONTROLS TO BE USED IN COMBINATION WITH NATURAL BUFFER AREA
* INSERT THE FOLLOWING INFORMATION:
* (1) SPECIFY THE MODEL OR OTHER TOOL USED TO ESTIMATE SEDIMENT LOAD REDUCTIONS FROM THE EROSION AND SEDIMENT CONTROLS INSTALLED AT YOUR SITE, AND
* (2) INCLUDE THE RESULTS OF CALCULATIONS SHOWING THAT THE ADDITIONAL EROSION AND SEDIMENT CONTROLS INSTALLED AT YOUR SITE WILL MEET OR EXCEED THE SEDIMENT REMOVAL EFFICIENCY OF A 50-FOOT BUFFER

[x]  I qualify for one of the exceptions in Part 2.2.1.b. (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 stormwater 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 4.1 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 2.2.1.a compliance alternatives.)

[x]  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 2.2.1.a compliance alternatives.

This project will utilize a berm/barrier to reduce or eliminate any discharge through the buffer. There are some areas where no natural buffer exists due to preexisting development disturbances that occurred prior to the initiation of this project.

[ ]  The project qualifies as “small residential lot” construction (defined in Appendix A).

For Alternative 1 (see Appendix G):

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

For Alternative 2 (see Appendix G):

* INSERT (1) THE ASSIGNED RISK LEVEL BASED ON APPLICABLE TABLE IN APP. G, AND (2) THE PREDOMINANT SOIL TYPE AND AVERAGE SLOPE AT YOUR SITE
* INSERT APPLICABLE REQUIREMENTS BASED ON APP. G, TABLE G-7
* 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 4.1 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 4.1 of the Template.)

## 4.2 Perimeter Controls

Instructions (see CGP Parts 2.2.3 and 7.2.6.b.ii):

* Describe sediment controls that will be used (e.g., silt fences, filter berms, temporary diversion dikes, or fiber rolls) to meet the Part 2.2.3 requirement to “install sediment controls along those perimeter areas of your site that will receive stormwater from earth-disturbing activities.”
* For linear projects, where you have determined that the use of perimeter controls in portions of the site is impracticable, document why you believe this is to be the case.
* Also see, EPA’s *Silt Fence BMP Fact Sheet* at [www.epa.gov/npdes/stormwater/menuofbmps/construction/silt\_fences](http://www.epa.gov/npdes/pubs/www.epa.gov/npdes/stormwater/menuofbmps/construction/silt_fences) or *Fiber Rolls BMP Fact Sheet* at [www.epa.gov/npdes/stormwater/menuofbmps/construction/fiber\_rolls](http://www.epa.gov/npdes/stormwater/menuofbmps/construction/fiber_rolls)

**General**

* Install sediment controls along any perimeter areas of the site that will receive pollutant discharges.

**Specific Perimeter Controls**

*Perimeter Control # 1 – Fiber Wattles (BMP 35 in the IDEQ Stormwater Best Management Practices Catalog)*

Perimeter Control Description

* Fiber wattles will be installed as shown on the plans and shall be installed prior to beginning waterline installation.

Installation

* **Contractor shall insert approximate date of installation:**

Maintenance Requirements

* Contractor shall maintain fiber wattles in accordance with the CGP Part 2.2.3.a which states that sediment must be removed “before it has accumulated to one-half of the above-ground height of any perimeter control”. Contractor shall also comply with all more stringent requirements stated within the IDEQ Storm Water Best Management Practices Catalog. Fiber wattles that are split, torn, unraveling or slumping shall be either repaired or replaced.

*Perimeter Control # 2 – Silt Fence (BMP 36 in the IDEQ Stormwater Best Management Practices Catalog)*

Perimeter Control Description

* Silt fence shall be installed as shown on the plans and shall be installed prior to beginning waterline installation.

Installation

* **Contractor shall insert approximate date of installation:**

Maintenance Requirements

* Contractor shall maintain silt fence in accordance with the CGP Part 2.2.3.a which states that sediment must be removed “before it has accumulated to one-half of the above-ground height of any perimeter control”. Contractor shall also comply with all more stringent requirements stated within the IDEQ Storm Water Best Management Practices Catalog. Silt fence that is split, torn, unraveling or slumping shall be either repaired or replaced.

[Repeat as needed for individual perimeter controls.]

## 4.3 Sediment Track-Out

Instructions (see CGP Parts 2.2.4 and 7.2.6.b.iii):

* Describe stormwater controls that will be used to “minimize the track-out of sediment onto off-site streets, other paved areas, and sidewalks from vehicles exiting your construction site.”
* Describe location(s) of vehicle exit(s), procedures to remove accumulated sediment off-site (e.g., vehicle tracking), and stabilization practices (e.g., stone pads or wash racks or both) to minimize off-site vehicle tracking of sediment. Also include the design, installation, and maintenance specifications for each control.
* Also, see EPA’s *Construction Entrances BMP Fact Shee*t at [www.epa.gov/npdes/stormwater/menuofbmps/construction/cons\_entrance](http://www.epa.gov/npdes/stormwater/menuofbmps/construction/cons_entrance)

**General**

* The existing roads in the project area are gravel and paved private and public roads. The majority of the project is on paved private roads.
* If a staging area is used, a construction entrance will be required and shall be installed per the IDEQ Stormwater Best Management Practices Catalog at the expense of the Contractor, unless otherwise approved by the Engineer.

**Specific Track-Out Controls**

*Track-Out Control # 1 – Stabilized Construction Entrance (BMP 5 in the IDEQ Stormwater Best Management Practices Catalog)*

Track-Out Control Description

* Specific trake-out controls are not necessary

Installation

* **Contractor shall insert approximate date of implementation:**

Maintenance Requirements

* Contractor shall maintain stabilized construction entrance such that it is in proper working order throughout the project. Contractor shall comply with all more stringent requirements of the IDEQ Stormwater Best Management Practices Catalog.

*Track-Out Control # 2 – Pavement Sweeping*

Track-Out Control Description

* Contractor shall complete pavement sweeping/vacuuming a minimum of once daily, or more often if required to mitigate tracking.

Installation

* **Contractor shall insert approximate date of implementation:**

Maintenance Requirements

* Contractor shall comply with all more stringent requirements of the IDEQ Stormwater Best Management Practices Catalog and with the following:

(Note: At a minimum, you must provide for maintenance that meets the following requirement in CGP Part 2.2.4.d: “Where sediment has been tracked-out from your site onto the surface of off-site streets, other paved areas, and sidewalks, you must remove the deposited sediment by the end of the same business day in which the track-out occurs or by the end of the next business day if track-out occurs on a non-business day. You must remove the track-out by sweeping, shoveling, or vacuuming these surfaces, or by using other similarly effective means of sediment removal. You are prohibited from hosing or sweeping tracked-out sediment into any stormwater conveyance, storm drain inlet, or Water of the U.S.”)

## 4.4 Stockpiled Sediment or Soil

Instructions (see CGP Parts 2.2.5):

* Describe stormwater controls and other measures you will take to minimize the discharge of sediment or soil particles from stockpiled sediment or soil. Include a description of structural practices (e.g., diversions, berms, ditches, storage basins), including design, installation, and maintenance specifications, used to divert flows from stockpiled sediment or soil, retain or detain flows, or otherwise limit exposure and the discharge of pollutants from stockpiled sediment or soil.
* Also, describe any controls or procedures used to minimize exposure resulting from adding to or removing materials from the pile.

**General**

* Contractor shall be responsible for implementation and maintenance of the following controls for any soil stockpile that will remain on-site for more than one day. Any soil stockpile for which the following controls are not implemented MUST be removed from the site (and the affected area properly cleaned up) within 24 hours of its generation.
* At a minimum, and for all stockpiles (regardless of how long they will remain on-site), Contractor shall comply with CGP Part 2.2.5.d which states: “you are prohibited from hosing down or sweeping soil or sediment accumulated on pavement or other impervious surfaces into any stormwater conveyance, storm drain inlet, or water of the U.S.” In addition, Contractor shall comply with all more stringent requirements of BMP 9 – Stockpile Management in the IDEQ Storm Water Best Management Practices Catalog.

**Specific Stockpile Controls**

*Stockpile Control # 1 – Perimeter Controls*

Stockpiled Sediment/Soil Control Description

* Stockpiles shall be protected from stormwater (run-on and/or run-off) with an appropriate perimeter barrier (silt fence or fiber wattles).

Installation

* **Contractor shall insert approximate dates of installation:**

Maintenance Requirements

* Contractor shall maintain fiber wattles in accordance with the CGP Part 2.2.3.a which states that sediment must be removed “before it has accumulated to one-half of the above-ground height of any perimeter control”. Contractor shall also comply with all more stringent requirements stated within the IDEQ Storm Water Best Management Practices Catalog. Fiber wattles that are split, torn, unraveling or slumping shall be either repaired or replaced.
* Contractor shall maintain silt fence in accordance with the CGP Part 2.2.3.a which states that sediment must be removed “before it has accumulated to one-half of the above-ground height of any perimeter control”. Contractor shall also comply with all more stringent requirements stated within the IDEQ Storm Water Best Management Practices Catalog. Additionally, accumulated sediment shall be removed prior to anticipated heavy rainfall events. Silt fence that is torn or otherwise damaged shall be repaired or replaced as necessary to restore proper operation of fence.

*Stockpile Control # 2 – Cover Stockpiles*

Stockpiled Sediment/Soil Control Description

* Stockpiles shall be covered with plastic sheeting or temporarily stabilized in accordance with the Contract Documents in order to avoid direct contact with precipitation at any time when the stockpile will remain undisturbed for more than 24 hours. All stockpiles shall be covered prior to any forecasted rain event, regardless of ongoing disturbance.
* Contractor shall cover stockpiles that shall remain unused for 14 or more days.

Installation

* **Contractor shall insert approximate dates of installation:**

Maintenance Requirements

* Maintain cover or temporary stabilization as necessary to prevent sediment discharge from the stockpile.

## 4.5 Minimize Dust

Instructions (see CGP Parts 2.2.6):

Describe controls and procedures you will use at your project/site to minimize the generation of dust.

**General**

* Contractor shall implement dust control by application of water in order to wet the surface and prevent the generation of dust.

**Specific Dust Controls**

Dust Control # 1 - Sprinkling

Dust Control Description

* Apply water at a rate so that the soil is wet but not saturated or muddy as often as needed to prevent the generation of dust.

Installation

* Contractor shall insert approximate date of implementation:

Maintenance Requirements

* Contractor shall implement and maintain dust control in compliance with BMP 7 of the IDEQ Stormwater Best Management Practices Catalog.

 [Repeat as needed for individual dust controls.]

## 4.6 Minimize the Disturbance of Steep Slopes

Instructions (see CGP Parts 2.2.7):

* Describe how you will minimize the disturbance to steep slopes (as defined by CGP Appendix A).
* Describe controls (e.g., erosion control blankets, tackifiers), including design, installation and maintenance specifications, that will be implemented to minimize sediment discharges from slope disturbances.
* Also, see EPA’s *Geotextiles BMP Fact Sheet* at [www.epa.gov/npdes/stormwater/menuofbmps/construction/geotextiles](http://www.epa.gov/npdes/stormwater/menuofbmps/construction/geotextiles)

**General**

* Steep slopes have been generally identified on the Site Maps in Appendix A. The Contractor shall implement and maintain the following controls to protect steep slopes. The Contractor shall implement and maintain perimeter controls and/or stabilization methods for other slopes in immediate danger of erosion from construction activities, recognized on site by the Contractor.

**Specific Steep Slope Controls**

*Steep Slope Control # 1 – Perimeter Controls*

Steep Slope Control Description

* Slopes in immediate danger of erosion from construction activities shall be recognized on site by the Contractor and protected by implementing an appropriate perimeter barrier (i.e. silt fence).

Maintenance Requirements

* Maintenance of perimeter controls shall be as described in Section 4.2 of this document.

*Steep Slope Control # 2 – Seeding (BMP 21 in the IDEQ Stormwater Best Management Practices Catalog)*

Steep Slope Control Description

* Steep slopes shall be protected with seeding in accordance with the Contract Documents and in locations shown on the plans in order to minimize sediment discharges from slope disturbances.

Maintenance Requirements

Maintenance of perimeter controls shall be as described in Section 4.15 of this document.

[Repeat as needed for individual steep slope controls.]

## 4.7 Topsoil

Instructions (see CGP Parts 2.2.8):

* Describe how topsoil will be preserved and identify these areas and associated control measures on your site map(s).
* If it is infeasible for you to preserve topsoil on your site, provide an explanation for why this is the case.

**General**

* Existing topsoil onsite can be preserved and used onsite if the project area has been previously disturbed and the existing ground is, for the most part, constructed of imported fill material. Topsoil can be imported if needed.

## 4.8 Soil Compaction

Instructions (see CGP Parts 2.2.9):

* In areas where final vegetative stabilization will occur or where infiltration practices will be installed, describe the controls, including design, installation, and maintenance specifications that will be used to restrict vehicle or equipment access or condition the soil for seeding or planting.

**General**

* All utility trenches are required to be backfilled and compacted in compliance with the compaction requirements in the Contract Documents. Native topsoil may be used onsite for the landscaped areas and swales or topsoil can be imported.

**Specific Soil Compaction Controls**

*Soil Compaction Control # 1 – Topsoil Placement*

Soil Compaction Control Description

* Contractor shall not compact the top 2 inches of topsoil in areas to be seeded.
* No design specifications are applicable to this control.

Installation

* **Contractor shall insert approximate date of implementation:**

Maintenance Requirements

* Contractor shall inspect vegetation and shall re-condition and re-seed/re-plant areas for which vegetation has failed to become established as described in Section 4.15 of this document.

[Repeat as needed for individual soil compaction controls.]

## 4.9 Storm Drain Inlets

Instructions (see CGP Parts 2.2.10):

* Describe controls (e.g., inserts, rock-filled bags, or block and gravel) including design, installation, and maintenance specifications that will be implemented to protect all inlets that will receive stormwater from your construction activities, and that you have authority to access.
* Also, see EPA’s *Storm Drain Inlet Protection BMP Fact Sheet* at [www.epa.gov/npdes/stormwater/menuofbmps/construction/storm\_drain](http://www.epa.gov/npdes/stormwater/menuofbmps/construction/storm_drain)

**General**

* Each existing and new inlet within the project area draining to the Water of the U.S. that may receive stormwater from the project will be protected as shown on the plans.

**Specific Storm Drain Inlet Controls**

*Storm Drain Inlet Control # 1 – Inlet Protection (BMP 31 in the IDEQ Stormwater Best Management Practices Catalog)*

Storm Drain Inlet Control Description

* Contractor shall install inlet protection at each inlet that may receive stormwater from the project site as detailed in the plans.

Installation

* **Contractor shall insert approximate date of implementation:**

Maintenance Requirements

* Contractor shall comply with CGP part 2.2.10.b and shall “Clean, or remove and replace, the protection measures as sediment accumulates, the filter becomes clogged, and/or performance is compromised. Where there is evidence of sediment accumulation adjacent to the inlet protection measure, you must remove the deposited sediment by the end of the same business day in which it is found or by the end of the following business day if removal by the same business day is not feasible.” In addition, Contractor shall comply with all more stringent requirements of the IDEQ Stormwater Best Management Practices Catalog.

[Repeat as needed for individual storm drain inlet controls.]

## 4.10 Constructed Stormwater Conveyance Channels

Instructions (see CGP Parts 2.2.11):

If you will be installing a stormwater conveyance channel, describe control practices (e.g., velocity dissipation devices), including design specifications and details (volume, dimensions, outlet structure), that will be implemented at the construction site.

**This section is not applicable to the project.**

## 4.11 Sediment Basins

Instructions (see CGP Parts 2.2.12 and 7.2.6.b.iv):

If you will install a sediment basin, include design specifications and other details (volume, dimensions, outlet structure) that will be implemented at in conformance with CGP Part 2.2.12.

* At a minimum, sediment ponds must provide storage for either (1) the calculated volume of runoff from the 2-year, 24-hour storm (see CGP App. H), or (2) 3,600 cubic feet per acre drained
* Sediment ponds must also utilize outlet structures that withdraw water from the surface, , unless infeasible
* Also, see EPA’s *Sediment Basin BMP Fact Sheet* at [www.epa.gov/npdes/stormwater/menuofbmps/construction/sediment\_basins](http://www.epa.gov/npdes/stormwater/menuofbmps/construction/sediment_basins)

**This section is not applicable to the project.**

## 4.12 Chemical Treatment

Instructions (see CGP Parts 2.2.13 and 7.2.6.b.v):

If you are using treatment chemicals at your site, provide details for each of the items below. This information is required as part of the SWPPP requirements in CGP Part 7.2.6.b.v.

**This section is not applicable to the project.**

## 4.13 Dewatering Practices

Instructions (see CGP Parts 2.4):

If you will be discharging stormwater that is removed from excavations, trenches, foundations, vaults, or other similar points of accumulation, include design specifications and details of all dewatering practices that are installed and maintained to comply with CGP Part 2.4.

**General**

* **The Contractor shall be responsible for developing and submitting to Engineer for approval a dewatering plan in accordance with CGP Part 2.4 and updating this section prior to beginning the project.**

**Specific Dewatering Practices**

*Dewatering Practice # 1*

Dewatering Practice Description

* INSERT DESCRIPTION OF DEWATERING PRACTICE TO BE INSTALLED
* INCLUDE COPIES OF DESIGN SPECIFICATIONS HERE

Installation

* INSERT APPROXIMATE DATE OF INSTALLATION

Maintenance Requirements

* INSERT MAINTENANCE REQUIREMENTS FOR THE DEWATERING PRACTICE

(Note: At a minimum, you must comply with following requirement in CGP Part 2.4.6 and Part 2.4.7: “With backwash water, either haul it away for disposal or return it to the beginning of the treatment process; and replace and clean the filter media used in dewatering devices when the pressure differential equals or exceeds the manufacturer’s specifications.”)

[Repeat as needed for individual dewatering practices.]

## 4.14 Other Stormwater Controls

Instructions:

* Describe any other stormwater controls that do not fit into the above categories.

**General**

* There are no other stormwater controls included within this project.

## 4.15 Site Stabilization

Instructions (see CGP Parts 2.2.14 and 7.2.6.b.vi):

The CGP requires you to immediately initiate stabilization when work in an area of your site has permanently or temporarily stopped, and to complete certain stabilization activities within prescribed deadlines. See CGP Part 2.2.14. The CGP also requires that stabilization measures meet certain minimum criteria. See CGP Part 2.2.14. For your SWPPP, you must include the following:

* Describe the specific vegetative and/or non-vegetative practices that will be used to stabilize exposed soils where construction activities have temporarily or permanently ceased. Avoid using impervious surfaces for stabilization whenever possible.
* Also, see EPA’s *Seeding BMP Fact Sheet* at [www.epa.gov/npdes/stormwater/menuofbmps/construction/seeding](http://www.epa.gov/npdes/stormwater/menuofbmps/construction/seeding)
* Once you begin construction, consider using the Grading/Stabilization Activities log in Appendix H of the Template to document your compliance with the stabilization requirements in CGP Part 2.2.14

Contractor shall implement temporary stabilization in any area for which construction activities will be temporarily inactive for 14 or more calendar days. Contractor shall implement permanent stabilization in any area for which construction activities have permanently ceased.

Implementation of temporary and/or permanent stabilization shall be completed according to the following schedule, as described in CGP Part 2.2.14:

1. For sites with 5 acres or less disturbed at any one time:
	1. Contractor shall initiate stabilization immediately (i.e. as soon as practicable but by no later than the end of the next business day).
	2. Contractor shall complete stabilization measures within 14 calendar days of the initiation of stabilization.
2. For sites with more than 5 acres disturbed at any one time:
	1. Contractor shall initiate stabilization immediately (i.e. as soon as practicable but by no later than the end of the next business day).
	2. Contractor shall complete stabilization measures within 7 calendar days of the initiation of stabilization.
3. For sites that discharge to a sediment or nutrient impaired water, stabilization must be completed within 7 calendar days of stabilization initiation.

**The total disturbance area for this project is more than 5 acres, and the project discharges to a nutrient impaired water. Thus, the deadlines listed under 2 and 3 above will be met.**

For the purposes of compliance with the above schedules, stabilization shall be considered complete if the following is completed, as stated in CGP Part 2.2.14:

* For vegetative stabilization, all activities necessary to initially seed or plant the area to be stabilized; and/or
* For non-vegetative stabilization, the installation or application of all such non-vegetative measures

**Site Stabilization Practice** (only use this if you are not located in an arid, semi-arid, or drought-stricken area)

[ ]  *Vegetative* [x]  *Non-Vegetative*

[x]  *Temporary* [ ]  *Permanent*

Description of Practice

* For areas where construction activity has temporarily ceased, Contractor shall apply mulch in accordance with the Contract Documents, the above schedule and this SWPPP. Additionally, Contractor shall comply with any more stringent requirements of the IDEQ Stormwater Best Management Practices Catalog (BMP 15). Contractor shall refer to Table 15-1 under BMP 15 in the IDEQ Stormwater Best Management Practices Catalog for mulch application rates.
* Mulch will only be used to provide temporary stabilization and will be applied in a manner consistent with requirements of the CGP and the IDEQ Stormwater Best Management Practices Catalog in order to stabilize exposed portions of the site.

Installation

* **Contractor shall insert approximate dates of installation:**
* **Contractor shall insert approximate dates of completion:**

Maintenance Requirements

Mulch shall be inspected during required site inspections to ensure that erosion is being prevented and proper cover of exposed soil is achieved, and any deficiencies corrected immediately as outlined in Section 6.2 of this document. In addition, Contractor shall comply with any more stringent requirements of the IDEQ Stormwater Best Management Practices Catalog.

[Repeat as needed for additional stabilization practices.]

**Site Stabilization Practice** (only use this if you are located in an arid, semi-arid, or drought-stricken area)

[ ]  *Vegetative* [x]  *Non-Vegetative*

[ ]  *Temporary* [x]  *Permanent*

Description of Practice

* As noted in the construction specifications, surface restoration will be implemented in order to match or exceed existing, pre-construction conditions. This will include asphalt, sidewalk, or gravel.
* Once surface restoration is complete, in accordance with construction specifications, the site will be stabilized in accordance with CGP Part 2.2.14.
* Refer to the Technical Specifications within the Contract Documents.

Installation

* **Contractor shall insert approximate dates of installation:**
* **Contractor shall insert approximate dates of completion:**

Maintenance Requirements

Final surface restoration should not require maintenance once installed in compliance with the Contract Documents.

**Site Stabilization Practice** (only use this if you are located in an arid, semi-arid, or drought-stricken area)

[x]  *Vegetative* [ ]  *Non-Vegetative*

[ ]  *Temporary* [x]  *Permanent*

Description of Practice

* As noted on the plans, surface restoration will be implemented in order to match existing, pre-construction conditions. This will include seeding and/or landscape restoration in some areas.
* Once surface restoration is complete, as shown on the plans, the site will be stabilized in accordance with CGP Part 2.2.14.b.
* Seeding (BMP 21 in the IDEQ Stormwater Best Management Practices Catalog) shall be applied as final, permanent stabilization in the areas shown on the plans as receiving hydroseed. Seed must be mulched, preferably using hydromulch within the hydroseed mixture.
* Contractor will be required to establish at least 70 percent vegetative cover as defined in Part 2.2.14.b.ii, will be required to establish perennial vegetation in accordance with Part 2.2.14.b.ii and will be required to provide mulching in accordance with Part 2.2.14 of the 2017 CGP.
* Refer to the Technical Specifications within the Contract Documents.

Installation

* **Contractor shall insert approximate dates of installation:**
* **Contractor shall insert approximate dates of completion:**

Maintenance Requirements

Contractor shall be responsible for inspecting seeded areas at the required frequency and re-seeding any areas found to be deficient in accordance with Section 6.2 of this document. Contractor shall be responsible for maintenance and watering necessary to “establish uniform, perennial vegetation (i.e. evenly distributed, without large bare areas) that provides 70 percent or more of the cover that is provided by vegetation native to local undisturbed areas” as described in CGP Part 2.2.14.b.i. Contractor shall take pictures of vegetated areas prior to construction in order to document the vegetative coverage.

**Contractor shall complete this section if required:**

**Site Stabilization Practice** (only use this if uncontrollable circumstances have delayed the initiation or completion of stabilization)

(Note: You will not be able to include this information in your initial SWPPP. If you are affected by circumstances such as those described in CGP Part 2.2.14.a.iii.b, you will need to modify your SWPPP to include this information.)

[x]  *Vegetative* [x]  *Non-Vegetative*

[ ]  *Temporary* [ ]  *Permanent*

Justification

* INSERT DESCRIPTION OF CIRCUMSTANCES THAT PREVENT YOU FROM MEETING THE DEADLINES REQUIRED IN CGP PARTS 2.2.14 AND THE SCHEDULE YOU WILL FOLLOW FOR INITIATING AND COMPLETING STABILIZATION

Description of Practice

* INSERT DESCRIPTION OF STABILIZATION PRACTICE TO BE INSTALLED
* NOTE HOW DESIGN WILL MEET REQUIREMENTS OF PART 2.2.14
* INCLUDE COPIES OF DESIGN SPECIFICATIONS HERE

Installation

* INSERT DATES OF INITIATION AND COMPLETION OF NON-VEGETATIVE STABILIZATION CONTROLS (must be completed within 14 days of the cessation of construction)

Maintenance Requirements

INSERT MAINTENANCE REQUIREMENTS FOR THE STABILIZATION PRACTICE

[Repeat as needed for additional stabilization practices.]

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# SECTION 5: POLLUTION PREVENTION STANDARDS

## 5.1 Potential Sources of Pollution

Instructions (see CGP Part 2.3):

* Identify and describe all pollutant-generating activities at your site (e.g., paving operations; concrete, paint, and stucco washout and waste disposal; solid waste storage and disposal).
* For each pollutant-generating activity, include an inventory of pollutants or pollutant constituents associated with that activity (e.g., sediment, fertilizers, and/or pesticides, paints, solvents, fuels), which could be exposed to rainfall or snowmelt, and could be discharged from your construction site. You must take into account where potential spills and leaks could occur that contribute pollutants to stormwater discharges.

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| **Construction Site Pollutants** |
| Refer to the table below for a list of pollutant-generating activities and potential pollutants. **It shall be the Contractor’s responsibility to update this list as needed.** |

| **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) |
| --- | --- | --- |
| Topsoil Preservation, trench excavation and backfill, trench dewatering | Sediment | Throughout project |
| Staging of equipment, leak in equipment during electrical conductor and conduit installation  | Hydraulic Oil/Fluids, Gasoline, Diesel Fuel, Kerosene, Antifreeze/Coolant | At staging area (if applicable), throughout project |
| Leaking portable toilet | Sanitary waste | At portable toilet locations (to be determined by the Contractor) |
| Fertilizing seeded areas | Nitrogen, phosphorus | Areas shown to be restored by hydroseed |

## 5.2 Spill Prevention and Response

Instructions (see CGP Parts 2.3 and 7.2.6.b.vii):

* Describe procedures you will use to prevent and respond to leaks, spills, and other releases. You must implement the following at a minimum:
	+ Procedures for expeditiously stopping, containing, and cleaning up spills, leaks, and other releases. Identify the name or title of the employee(s) responsible for detection and response of spills or leaks; and
	+ Procedures for notification of appropriate facility personnel, emergency response agencies, and regulatory agencies 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 consistent with Part 2.3.6 and established under either 40 CFR Part 110, 40 CFR Part 117, or 40 CFR Part 302, occurs during a 24-hour period. Contact information must be in locations that are readily accessible and available.
* Some projects/site 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.

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| Contractor shall identify name and position of employee(s) responsible for detection and response of spills or leaks:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Contractor shall be responsible for the following, as described in CGP Part 2.3:* Ensure adequate supplies are on-site and readily available at all times to handle spills and/or leaks of any equipment or material on-site
* Utilize drip pans and absorbents under or around leaky vehicles
* Vehicles that are identified to be leaking shall be immediately repaired or removed from the site
* Dispose of all oily wastes in accordance with applicable federal, state or local requirements
* Clean up spills or contaminated surfaces immediately, using dry clean up measures where possible, and eliminate the source of the spill immediately
* Do not clean surfaces by hosing the area down
* Locate any activity that may result in a leak or spill, to the extent possible, as far away from surface waters or stormwater inlets/conveyances as possible
* All applicable federal, state or local requirements for handling and disposal of hazardous materials must be followed
* Spill kits shall be available on-site and any spent materials shall be disposed of properly, off-site
* Safety data sheets, a material inventory shall be prepared, maintained and available to all on-site personnel
* Contractor shall designate one or more persons who shall be contacted immediately in the event of a spill or related issue and shall name said person(s) in Section 1.1 of this document. Contact information for this person(s) shall be available to all on-site personnel at all times
* All on-site personnel shall be trained in proper spill prevention and clean-up procedures
* Any situation that may result in a leak or spill shall be immediately remedied following identification
* Contractor shall notify the National Response Center as required in Part 2.3.6. Contractor shall also contact Engineer and any local authorities as may be applicable.
* As per Part 9.7.1.e of the CGP, “all spills of hazardous material, deleterious material or petroleum products which may impact waters (ground and surface) of the state shall be immediately reported.” Refer to Part 9.7.1.e for additional requirements and contact information.

Contractor shall comply with all more stringent requirements of BMP 10 in the IDEQ Stormwater Best Management Practices Catalog  |

## 5.3 Fueling and Maintenance of Equipment or Vehicles

Instructions (see CGP Parts 2.3.1):

* Describe equipment/vehicle fueling and maintenance practices that will be implemented to eliminate the discharge of spilled or leaked chemicals (e.g., providing secondary containment *(examples: spill berms, decks, spill containment pallets)* and cover where appropriate, and/or having spill kits readily available.
* Also, see EPA’s *Vehicle Maintenance and Washing Areas BMP Fact Sheet* at [www.epa.gov/npdes/stormwater/menuofbmps/construction/vehicile\_maintain](http://www.epa.gov/npdes/stormwater/menuofbmps/construction/vehicile_maintain)

**General**

* Fueling and maintenance of equipment or vehicles shall not be allowed on the project site unless Contractor submits a plan to eliminate the discharge of spilled or leaked chemicals in accordance with the instructions for this Section and the CGP to Engineer. Plan must be approved and incorporated into this document prior to any fueling and maintenance of equipment on the project site.

## 5.4 Washing of Equipment and Vehicles

Instructions (see CGP Parts 2.3.2):

* Describe equipment/vehicle washing practices that will be used to minimize the discharge of pollutants from equipment and vehicle washing, wheel wash water, and other types of washing (e.g., locating activities away from surface waters and stormwater inlets or conveyances and directing wash waters to a sediment basin or sediment trap, using filtration devices, such as filter bags or sand filters, or using other similarly effective controls).
* Describe how you will prevent the discharge of soaps, detergents, or solvents by providing either (1) cover (*examples:* *plastic sheeting or temporary roofs*) to prevent these detergents from coming into contact with rainwater, or (2) a similarly effective means designed to prevent the discharge of pollutants from these areas.
* Also, see EPA’s *Vehicle Maintenance and Washing Areas BMP Fact Sheet* at [www.epa.gov/npdes/stormwater/menuofbmps/construction/vehicile\_maintain](http://www.epa.gov/npdes/stormwater/menuofbmps/construction/vehicile_maintain)

**General**

* If Contractor intends to conduct washing of equipment and/or vehicles on the project site, Contractor shall develop a plan for prevention of discharge of pollutants in accordance with the instructions for this section as well as the CGP and submit the plan to the Engineer for review and approval. Plan must be approved and incorporated into this document prior to washing of equipment and/or vehicles on the project site.

## 5.5 Storage, Handling, and Disposal of Construction Products, Materials, and Wastes

Instructions (see CGP Parts 2.3.3):

* For any of the types of construction products, materials, and wastes below in Sections 5.5.1-5.5.6 below that are expected to be used or stored at your site, provide the information on how you will comply with the corresponding CGP provision and the specific practices that will be employed.
* Also, see EPA’s *General Construction Site Waste Management BMP Fact Sheet* at [www.epa.gov/npdes/stormwater/menuofbmps/construction/cons\_wasteman](http://www.epa.gov/npdes/stormwater/menuofbmps/construction/cons_wasteman)

**Contractor shall be responsible for updating this section as necessary if additional materials are to be stored on-site.**

***5.5.1 Building Products***

(Note: Examples include asphalt sealants, copper flashing, roofing materials, adhesives, concrete admixtures.)

**General**

The following items are anticipated to be stored on-site:

* Grey electrical conduit and fittings
* Fiberglass electrical equipment bases
* Underground electrical able on wooden spools
* Copper grounding wire on wooden
* Steel primary electrical enclosures
* Plastic secondary electrical junction enclosures
* Steel grounding rods

Contractor shall be responsible for ensuring that all materials stored on-site that could introduce pollutants into stormwater (i.e. chlorine) be covered and properly protected from stormwater.

***5.5.2 Pesticides, Herbicides, Insecticides, Fertilizers, and Landscape Materials***

**General**

* These items will not be stored on site.

***5.5.3 Diesel Fuel, Oil, Hydraulic Fluids, Other Petroleum Products, and Other Chemicals***

**General**

* Oils needed for paving will only be brought to the site the day of paving and will not be stored onsite. Paving will only occur on dry days; therefore, there is no potential for oils used in paving to come in contact with stormwater.
* Fuel and oil, if stored onsite, will only be in very small quantities and located in the job trailer where there is no potential for the products to come in contact with stormwater.

***5.5.4 Hazardous or Toxic Waste***

(Note: Examples include paints, solvents, petroleum-based products, wood preservatives, additives, curing compounds, acids.)

**General**

* These items will not be stored on site.

***5.5.5 Construction and Domestic Waste***

(Note: Examples include packaging materials, scrap construction materials, masonry products, timber, pipe and electrical cuttings, plastics, Styrofoam, concrete, and other trash or building materials.)

**General**

* Waste containers will be provided by the Contractor in accordance with Part 2.3.3.e of the CGP.

**Specific Pollution Prevention Practices**

*Pollution Prevention Practice # 1 – Provide Waste Containers*

Description

* As stated in CGP Part 2.3.3.e, Contractor shall provide dumpsters or other trash receptacles of “sufficient size and number to contain construction and domestic wastes”.

Installation

* **Contractor shall insert approximate dates of installation:**

Maintenance Requirements

* Contractor shall keep waste container lids closed when not in use and close lids at the end of each business day. Contractor shall inspect waste containers during required inspection of the site. As stated in CGP Part 2.3.3.e, Contractor shall clean up and properly dispose of all waste each work day and shall clean up any overflow immediately.

***5.5.6 Sanitary Waste***

**General**

* Contractor shall provide a minimum of one portable toilet at the site whenever work is being completed at the site.

**Specific Pollution Prevention Practices**

*Pollution Prevention Practice # 1*

Description

* Contractor shall provide portable toilets at level locations and shall secure them such that they will not be tipped over.
* Design specifications are not applicable

Installation

* **Contractor shall insert approximate dates of installation:**

Maintenance Requirements

* Contractor shall inspect portable toilets during required site inspections. Any leakage shall be immediately cleaned up and the toilet re-secured or re-located as necessary to prevent further leaks. Additionally, Contractor shall be responsible for providing weekly (at a minimum) maintenance/emptying of toilets.

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

Instructions (see CGP Parts 2.3.4):

* Describe how you will comply with the CGP Part 2.3.4 requirement to “provide an effective means of eliminatingthe discharge of water from the washout and cleanout of stucco, paint, concrete, form release oils, curing compounds, and other construction materials.”
* Also, see EPA’s *Concrete Washout BMP Fact Sheet* at [www.epa.gov/npdes/stormwater/menuofbmps/construction/concrete\_wash](http://www.epa.gov/npdes/stormwater/menuofbmps/construction/concrete_wash)

**General**

* If Contractor intends to conduct washing of applicators and containers on the project site, Contractor shall develop a plan for prevention of discharge of pollutants in accordance with the instructions for this section as well as the CGP and submit the plan to the Engineer for review and approval. Plan must be approved and incorporated into this document prior to washing of equipment and/or vehicles on the project site.

## 5.7 Fertilizers

Instructions (CGP Parts 2.3.3.b and 7.2.6.b.ix):

Describe how you will comply with the CGP Part 2.3.3.b requirement to “minimize discharges of fertilizers containing nitrogen or phosphorus”

**General**

* Contractor shall be responsible for complying with the requirements of the CGP part 2.3.3.b as described below.

**Specific Pollution Prevention Practices**

*Pollution Prevention Practice # 1 – Proper Fertilizer Application*

Description

* Contractor shall apply fertilizer at the rate specified by the manufacturer, and during appropriate times of the year for the project area. Contractor shall not apply fertilizer prior to anticipated rain events, to frozen ground, to roadside ditches or to other areas with flowing water.
* No applicable design specification

Installation

* **Contractor shall insert approximate dates of installation:**

Maintenance Requirements

* Refer to Section 4.15 for maintenance requirements associated with vegetated areas.

[Repeat as needed for individual fertilizer practices.]

## 5.8 Other Pollution Prevention Practices

Instructions:

Describe any additional pollution prevention practices that do not fit into the above categories.

**General**

* No other pollution prevention practices will be utilized for this project.

# SECTION 6: INSPECTION AND CORRECTIVE ACTION

## 6.1 Inspection Personnel and Procedures

Instructions (see CGP Parts 4, 5, and 7.2.7):

Describe the procedures you will follow for conducting inspections in accordance with CGP Parts 4, 5, and 7.2.7.

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| Personnel Responsible for Inspections |
| Kootenai Electric Cooperative will perform inspections required by the SWPPP and provide a copy of each inspection log to the Contractor to be maintained in the SWPPP plan documents at the project site. The Contractor shall keep the SWPPP and inspection logs on site during any construction activities and maintain availability for review upon demand. The Contractor shall provide notice after any large storm event to the Owner for any unscheduled and required inspection. The Contractor shall return all SWPPP documents and inspection logs to the Owner at the end of construction.  |
| Note: All personnel conducting inspections must be considered a “qualified person.” CGP Part 4.1 clarifies that a “qualified person” is a person knowledgeable in the principles and practices of erosion and sediment controls and pollution prevention, who possesses the skills to assess conditions at the construction site that could impact stormwater quality, and the skills to assess the effectiveness of any stormwater controls selected and installed to meet the requirements of this permit. |
|

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| --- |
| **Inspection Schedule**Specific Inspection FrequencyOwner/Contractor shall conduct site inspections once every 7 calendar days and within 24 hours of a storm event of 0.25 inches or greater.During each inspection, the inspector must complete the following, as described in CGP Part 4.5 and Part 4.6:* Inspect all areas that have been cleared, graded, or excavated and are not yet stabilized.
* Inspect material, waste, borrow and equipment storage and maintenance areas.
* Inspect all areas where stormwater typically flows within the site.
* Inspect locations where stabilization measures have been implemented.
* Inspect all erosion and sediment controls and determine the following:
	+ Is the control operational?
	+ Is the control properly installed?
	+ Is the control in need of maintenance, repair or replacement?
* Check for conditions that could lead to spills, leaks or other accumulations of pollutants
* Identify any locations where new or modified controls are necessary to meet the requirements of the CGP and/or this document
* Inspect points of discharge for signs of visible erosion
* Identify any incidents of non-compliance with the CGP and/or this document
* If a discharge is occurring during the inspection:
	+ Identify all points of discharge from the project
	+ Observe and document the visual quality of the discharge, note color, odor, floating, settled or suspended solids, foam, oil sheen, and other indicators of pollutants
	+ Document whether or not the controls are operating effectively and identify any needed corrections

The Contractor will be given the opportunity to be present during the inspection. Each report shall be signed in accordance with Appendix I of the CGP.Refer to Section 6.3 for identified personnel authorized to sign inspection reports (as identified by the Contractor).Rain Gauge Location (if applicable)Rain gauge can be installed on-site but shall be approved by the Owner. Alternatively, the Contractor shall utilize information from a weather station that is representative of the project area to determine whether a rain event of 0.25 inches or greater has occurred. Reductions in Inspection Frequency (if applicable) **This section will be updated by the Contractor if a reduction in inspection frequency becomes applicable.** |
| * For the reduction in inspections resulting from stabilization: SPECIFY (1) LOCATIONS WHERE STABILIZATION STEPS HAVE BEEN COMPLETED AND (2) DATE THAT THEY WERE COMPLETED

(Note: It is likely that you will not be able to include this in your initial SWPPP. If you qualify for this reduction (see CGP Part 4.4.1), you will need to modify your SWPPP to include this information.)* For the reduction in inspections in arid, semi-arid, or drought-stricken areas: INSERT BEGINNING AND ENDING DATES OF THE SEASONALLY-DEFINED ARID PERIOD FOR YOUR AREA OR THE VALID PERIOD OF DROUGHT
 |
| * For reduction in inspections due to frozen conditions: INSERT BEGINNING AND ENDING DATES OF FROZEN CONDITIONS ON YOUR SITE
 |
| **Turbidity Monitoring**Part 9.7.1.d of the CGP requires the following: “the permittee must conduct turbidity monitoring during construction activities and thereafter on days where there is a direct discharge of pollutants from an unstabilized portion of the site which is causing a visible plume to a water of the U.S.”It is very unlikely that direct discharge of pollutants to a water of the U.S. will occur from the construction site, due to the distance from a water of the U.S. and the existing conditions (mostly vegetated) surrounding the site. However, should a water main break or other event occur that causes a discharge, the Contractor shall be responsible for turbidity monitoring and reporting in compliance with Part 9.7.1.d.**Inspection Report Forms** |
| Refer to Appendix D for a sample Inspection Report Form. Completed Inspection Report Forms will also be kept in Appendix D. |

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| 6.2 Corrective Action Instructions (CGP Parts 5 and 7.2.7):* Describe the procedures for taking corrective action in compliance with CGP Part 5.

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| --- | --- | --- | --- |
| The Contractor shall be responsible for completing corrective actions and the associated reporting.

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| Requirements |
| The Contractor shall complete corrective actions in the event of any of the following:* Any of the installed controls in need repair, modification or replacement (beyond routine maintenance)
* Clean up of a spill or deposit is needed
* A permit violation has occurred and needs remedied
* A required control was not installed, was installed incorrectly or has been found to be deficient
* The applicable water quality standards are not being met (as described in CGP Part 5.2.1.2 (in this case, the Contractor must notify the Engineer immediately and the EPA Regional Office by the end of the next working day)
* One of the following prohibited discharges has occurred or is occurring (refer also to CGP Part 1.3):
	+ Wastewater from washout of concrete, stucco, paint, form release oils, curing compounds or other materials, unless managed by an appropriate control
	+ Fuels, oils or other pollutants used in equipment and vehicle operation and maintenance
	+ Soaps, solvents or detergents
	+ Toxic or hazardous substances

The Contractor shall complete corrective actions in compliance with the following schedule (as described in Part 5.2 of the CGP):* + - Immediately take all reasonable steps to address the condition
		- When the problem does not require a new or replacement control or significant repair, the corrective action must be completed by the close of the next business day
		- When the problem requires a new or replacement control or significant repair, install the new or modified control and make it operational, or complete the repair, by no later than 7 calendar days from the time of discovery. If this is infeasible, you must document in your records why, and document the schedule for installing/repairing the control and making it operational.
		- Immediately (on the same day the condition requiring correction is identified) take action to prevent the discharge of pollutants
		- Where a corrective action requires an update to the SWPPP, the Contractor must complete and submit to Engineer all necessary SWPPP modifications within 7 days of the completion of the corrective action
		- Within 24 hours of identifying the corrective action condition, document the condition and the date and time it was identified.
		- Within 24 hours of completing the corrective action, document the action.
		- Corrective action reports shall be included in Appendix E of the SWPPP.
 |

Personnel Responsible for Corrective Actions |  |
| **Contractor shall identify personnel responsible for corrective actions:****\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_****Contractor shall identify personnel with authorization to sign corrective action reports in Section 6.3.****Corrective Action Forms** |  |
| A sample Corrective Action Form is included in Appendix E. Completed Corrective Action Forms will also be included in Appendix E.  |  |

 |

##

## 6.3 Delegation of Authority

Instructions:

* Identify the individual(s) or positions within the company who have been delegated authority to sign inspection reports.
* Attach a copy of the signed delegation of authority (see example in Appendix J of the Template.
* For more on this topic, see Appendix I, Subsection 11 of EPA’s CGP.

|  |
| --- |
| **Contractor shall be responsible for completion of this section and the necessary Delegation of Authority Form(s).** **Duly Authorized Representative(s) or Position(s):** |
| Insert Company or Organization Name: |
| Insert Name: |
| Insert Position: |
| Insert Address: |
| Insert City, State, Zip Code: |
| Insert Telephone Number: |
| Insert Fax/Email: |
|  |
|  |

# SECTION 7: TRAINING

Instructions (see CGP Part 6 and 7.2.8):

* Complete the table below to provide documentation that the personnel required to be trained in CGP Part 6 completed the appropriate training
* If personnel will be taking course training (which is not required as part of the CGP), consider using Appendix I to track completion of this training
* The following personnel, at a minimum, must be 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 stormwater controls (including pollution prevention measures);
	+ Personnel responsible for the application and storage of treatment chemicals (if applicable);
	+ Personnel who are responsible for conducting inspections as required in Part 4.1; and
	+ Personnel who are responsible for taking corrective actions as required in Part 5.
* CGP Part 6 requires that the required personnel must be trained to understand the following if related to the scope of their job duties:
	+ Permit deadlines associated with installation, maintenance and removal of controls and with stabilization
	+ The location of all stormwater controls on the site required by this permit, and how they are to be maintained;
	+ The proper procedures to follow with respect to the permit’s pollution prevention requirements; and

When and how to conduct inspections, record applicable findings, and take corrective actions.

**Contractor shall be responsible for completion of this section and the necessary Training Log(s) for Contractor’s personnel.**

|  |
| --- |
| **Table 7-1: Documentation for Completion of Training** |
|

|  |  |
| --- | --- |
| **Name** | **Date Training Completed** |
| INSERT NAME OF PERSONNEL HERE | INSERT COMPLETION DATE HERE |
| INSERT NAME OF PERSONNEL HERE | INSERT COMPLETION DATE HERE |
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| INSERT NAME OF PERSONNEL HERE | INSERT COMPLETION DATE HERE |

 |

# SECTION 8: CERTIFICATION AND NOTIFICATION

Instructions (CGP Appendix I, Part I.11):

* The following certification statement must be signed and dated by a person who meets the requirements of Appendix I, Part I.11.
* This certification must be re-signed in the event of a SWPPP Modification.

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.

For preparation of the original document:

|  |  |  |  |
| --- | --- | --- | --- |
| Name: | Ashley M. Williams, P.E. |  Title: | Project Engineer |
| Signature: |  |  Date: |  |

For completion of Contractor information (as identified):

|  |  |  |  |
| --- | --- | --- | --- |
| Name: |  |  Title: |  |
| Signature: |  |  Date: |  |
|  |  |  |  |
|  |  |  |  |
| [Repeat as necessary] |