Construction Stormwater Pollution Prevention Plan Template

To be covered under the U.S. Environmental Protection Agency's (EPA) Construction General Permit (CGP), all construction operators are required to develop a "Stormwater Pollution Prevention Plan" (or "SWPPP") prior to submitting a Notice of Intent (NOI) for permit coverage. EPA created this SWPPP Template to help you develop a SWPPP that is compliant with the minimum requirements of Part 7 of EPA's 2022 Construction General Permit ("2022 CGP"), and is customizable to your specific project and site.

Instructions for Using the SWPPP Template

Each section of the SWPPP Template includes instructions and space for your project and site information. Read the instructions for each section before you complete that section. Specific instructions on what information to include is indicated in each text field in blue text. Click on the blue text and the instructions will disappear once you start typing. The SWPPP Template is an editable document file so that you can easily add tables and additional text and delete unneeded or non-applicable fields. Note that some sections may require only a brief description while others may require several pages of explanation.

The following tips for using this template will help ensure that you meet the minimum permit requirements:

- Read the 2022 CGP thoroughly before you begin preparation of your SWPPP to ensure that you have a working understanding of the permit's underlying requirements. You will also need to consult Part 9 of the permit to determine if your State or Tribe has included additional requirements that affect you.
- Complete the SWPPP prior to submitting your NOI for permit coverage. This is required in Parts 1.4 and 7.1.
- If you prepared a SWPPP under a previous version of EPA's CGP, you must update your SWPPP to ensure that the 2022 CGP requirements are addressed prior to submitting your NOI.
- If there is more than one construction operator for your project, consider coordinating development of your SWPPP with the other operators.
- Once EPA has provided your site with coverage under the CGP, include your NOI, your authorization email, and a copy of the CGP as attachments to the SWPPP. See Appendices B and C of the SWPPP Template.

While EPA has made every effort to ensure the accuracy of all instructions contained in the SWPPP Template, it is the permit, not the template, that determines the actual obligations of regulated construction stormwater discharges. In the event of a conflict between the SWPPP Template and any corresponding provision of the 2022 CGP, you must abide by the requirements in the permit. EPA welcomes comments on the SWPPP Template at any time and will consider those comments in any future revision of this document. You may contact EPA for CGP-related inquiries at cgp@epa.gov.

Stormwater Pollution Prevention Plan (SWPPP)

For Construction Activities At:

Micron Technology Inc.
8000 S. Federal Way
Boise, ID 83716
208-368-4000

SWPPP Prepared For:

Micron Technology Inc.
8000 S. Federal Way
Boise, ID 83716
208-368-4000

SWPPP Prepared By:

Micron Technology
Charlotte Singleton
8000 S. Federal Way
Boise, ID 83716
208-368-4000
csingleton@micron.com

SWPPP Preparation Date:

08/17/2022

Estimated Project Dates:

Project Start Date: 09/02/2022

Project Completion Date: 06/30/2025

Contents

SECTION 1: CONTACT INFORMATION/RESPONSIBLE PARTIES

1.1 Operator(s) / Subcontractor(s)

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

- Identify all site operators who will be engaged in construction activities at the site and the areas of the site over which each operator has control (Part 7.2.1). 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 this Template.

Operator(s):

Micron Technology Inc.
Charlotte Singleton
8000 S. Federal Way
Boise, ID 83716
208-368-4000
csingleton@micron.com

Subcontractor(s):

Warner Construction, Inc.
Paul Warner
3615 S Curtis Rd.
Boise, ID 83705
208-333-0189
Cfischer@warnerconstructioninc.com
Contractor

Emergency 24-Hour Contact:

Micron Technology Inc.
Security Control
208-363-1405

Charlotte Singleton
Environmental Engineer
208-368-4000

1.2 Stormwater Team

Instructions (see CGP Parts 6 and 7.2.2):

- Identify the individuals (by name and position) that you have made part of the project's stormwater team pursuant to CGP Part 6.1, their individual responsibilities, and which members are responsible for inspections. At a minimum the stormwater team is comprised of individuals who are responsible for the design, installation, maintenance, and/or repair of stormwater controls; the application and storage of treatment chemicals (if applicable); conducting inspections as required in CGP Part 4.1; and taking corrective actions as required in Part 5.
- Each member of the stormwater team must have ready access to either an electronic or paper copy of applicable portions of the 2022 CGP and the SWPPP.
- Each member of the stormwater team must understand the requirements of the 2022 CGP and their specific responsibilities with respect to those requirements, including the information in Part 6.2.
- For projects that receive coverage under the 2022 CGP on or after February 17, 2023, to be considered a qualified person under Part 4.1 to conduct inspections under Part 4, you must, at a minimum, either:
  - ✓ Have completed the EPA construction inspection course developed for this permit and have passed the exam; or
  - ✓ Hold a current valid construction inspection certification or license from a program that, at a minimum, covers the following:
    - Principles and practices of erosion and sediment control and pollution prevention practices at construction sites;
    - Proper installation, and maintenance of erosion and sediment controls and pollution prevention practices used at construction sites; and
    - Performance of inspections, including the proper completion of required reports and documentation, consistent with the requirements of Part 4.

  Note that if one of the following topics (e.g., installation and maintenance of pollution prevention practices) is not covered by the non-EPA training program, you may consider supplementing the training with the analogous module of the EPA course (e.g., Module 4) that covers the missing topic.
- Include documentation showing completion of trainings in Appendix I of this SWPPP template.
- For projects that receive coverage under the 2022 CGP prior to February 17, 2023, any personnel conducting site inspections pursuant to Part 4 on your site must, at a minimum:
  - ✓ Be knowledgeable in the principles and practice of erosion and sediment controls and pollution prevention,
  - ✓ Possess the appropriate skills and training in conditions at the construction site that could impact stormwater quality, and
  - ✓ Possess the appropriate skills and training in the effectiveness of any stormwater controls selected and installed to meet the requirements of this permit.

Stormwater Team

Name and/or Position, and Contact	Responsibilities	I Have Completed Training Required by CGP Part 6.2	I Have Read the CGP and Understand the Applicable Requirements
Linda Somerville CVP, Process R&D and Operations 208-368-4000 lsomerville@micron.com	SWPPP Signee / Certifying Official	☐ Yes ☒ No	☒ Yes Date: 3/13/2022
Brittany Sanders Manager, Environmental Compliance 208-368-4000 brittanysand@micron.com	Duly Authorized Representative / Qualified Construction Site Inspector	☒ Yes ☐ No	☒ Yes Date: 2/25/2022
Charlotte Singleton Environmental Engineer 208-368-4000 csingleton@micron.com	SWPPP Preparer / Qualified Construction Site Inspector	☒ Yes ☐ No	☒ Yes Date: 2/24/2022
Travis Lightbody Safety Engineer 3 208-368-4000 tlightbody@micron.com	Qualified Construction Site Inspector	☒ Yes ☐ No	☒ Yes Date: 2/10/2022
Susan Beesley Sr. Superintendent 208-368-4000 sbeesley@micron.com	Qualified Construction Site Inspector	☒ Yes ☐ No	☒ Yes Date: 3/4/2022
Laura Nielsen Environmental Engineer 208-368-4000 lnielsen@micron.com	Qualified Construction Site Inspector	☒ Yes ☐ No	☒ Yes Date: 3/2/2022

Stormwater Team Members Who Conduct Inspections Pursuant to CGP Part 4

Name and/or Position and Contact	Training(s) Received	Date Training(s) Completed	If Training is a Non-EPA Training, Confirm that it Satisfies the Minimum Elements of CGP Part 6.3.b
Brittany Sanders Manager, Environmental Compliance 208-368-4000 brittanysand@micron.com	City of Boise Erosion & Sediment Control Responsible Person Training	Date: 12/20/2022	☒ Principles and practices of erosion and sediment control and pollution prevention practices at construction sites ☒ Proper installation and maintenance of erosion and sediment controls and pollution prevention practices used at construction sites ☒ Performance of inspections, including the proper completion of required reports and documentation, consistent with the requirements of Part 4
Charlotte Singleton Environmental Engineer 208-368-4000 csingleton@micron.com	City of Boise Erosion & Sediment Control Responsible Person Training	Date: 12/20/2022	☒ Principles and practices of erosion and sediment control and pollution prevention practices at construction sites ☒ Proper installation and maintenance of erosion and sediment controls and pollution prevention practices used at construction sites ☒ Performance of inspections, including the proper completion of required reports and documentation, consistent with the requirements of Part 4
Travis Lightbody Safety Engineer 3 208-368-4000 tlightbody@micron.com	City of Boise Erosion & Sediment Control Responsible Person Training	Date: 12/20/2022	☒ Principles and practices of erosion and sediment control and pollution prevention practices at construction sites ☒ Proper installation and maintenance of erosion and sediment controls and pollution prevention practices used at construction sites ☒ Performance of inspections, including the proper completion of required reports and documentation, consistent with the requirements of Part 4

Susan Beesley Sr. Superintendent 208-368-4000 sbeesley@micron.com	City of Boise Erosion & Sediment Control Responsible Person Training	Date: 12/20/2022	☒ Principles and practices of erosion and sediment control and pollution prevention practices at construction sites ☒ Proper installation and maintenance of erosion and sediment controls and pollution prevention practices used at construction sites ☒ Performance of inspections, including the proper completion of required reports and documentation, consistent with the requirements of Part 4
Laura Nielsen Environmental Engineer 208-368-4000 lnielsen@micron.com	City of Boise Erosion & Sediment Control Responsible Person Training	Date: 12/20/2022	☒ Principles and practices of erosion and sediment control and pollution prevention practices at construction sites ☒ Proper installation and maintenance of erosion and sediment controls and pollution prevention practices used at construction sites ☒ Performance of inspections, including the proper completion of required reports and documentation, consistent with the requirements of Part 4

SECTION 2: SITE EVALUATION, ASSESSMENT, AND PLANNING

2.1 Project/Site Information

Instructions (see "Project/Site Information," Section IV of Appendix H – NOI Form and Instructions):

- In this section, compile basic site information that will be helpful when you file your NOI.

Project Name and Address

Project/Site Name: East Campus Expansion
Street/Location: 8000 South Federal Way
City: Boise
State: ID

Project Name and Address

ZIP Code: 83716
County or Similar Government Division: Ada

Project Latitude/Longitude

Latitude: 43.526° N
(decimal degrees)

Longitude: - 116.135 ° W
(decimal degrees)

Latitude/longitude data source: ☐ Map ☐ GPS ☒ Other (please specify): Google Earth

Horizontal Reference Datum: ☐ NAD 27 ☐ NAD 83 ☒ WGS 84

Additional Site Information

Is your site located on Indian country lands, or on a property of religious or cultural significance to an Indian Tribe? ☐ Yes ☒ No

If 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: Insert Text Here

2.2 Discharge Information

Instructions (see "Discharge Information," Section V of Appendix H – NOI Form and Instructions):

- In this section, include information relating to your site's discharge. This information corresponds to the "Discharge Information" section of the NOI form.
- List all of the stormwater points of discharge from your site. Identify each point of discharge with a unique 3-digit ID (e.g., 001, 002).
- For each unique point of discharge you list, specify the name of the first receiving water that receives stormwater directly from the point of discharge and/or from the MS4 that the point of discharge discharges to. You may have multiple points of discharge that discharge to the same receiving water.
- Next, specify whether any waters of the U.S. that you discharge to are listed as "impaired" as defined in Appendix A, and the pollutants causing the impairment. Identify any Total Maximum Daily Loads (TMDL) that have been completed for any of the waters of the U.S. that you discharge to and the pollutants for which there is a TMDL. For more information on impaired waters and TMDLs, including a list of TMDL contacts and links by State, visit https://www.epa.gov/tmdl.
- Finally, indicate whether any receiving water that you discharge to is designated as a Tier 2, Tier 2.5, or Tier 3 water and if so, what the designation is (2, 2.5, or 3). A list of Tier 2, 2.5, and 3 waters located in the areas eligible for coverage under this permit can be found at https://www.epa.gov/npdes/construction-general-permit-resources-tools-and-templates.

Does your project/site discharge stormwater into a Municipal Separate Storm Sewer System (MS4)?	☐ Yes	☒ No
Are there any waters of the U.S. within 50 feet of your project's earth disturbances?	☒ Yes	☐ No

Point of Discharge ID	Name of receiving water that receives stormwater discharge:	Is the receiving water impaired (on the CWA 303(d) list)?	If yes, list the pollutants that are causing the impairment:	Has a TMDL been completed for this receiving waterbody?	If yes, list TMDL Name and ID:	Pollutant(s) for which there is a TMDL:	Is this receiving water designated as a Tier 2, Tier 2.5, or Tier 3 water?	If yes, specify which Tier (2, 2.5, or 3)?
[002]	2nd Order of Five Mile Creek	☒ Yes ☐ No	Escherichia coli (e. Coli) (benchmark values) Total Suspended Solids Phosphorus	☒ Yes ☐ No	Lower Boise River TMDL, 2015 Sediment and Bacteria Addendum, Part5.4.4 Lower Boise River TMDL, 2015 Sediment and Bacteria Addendum, Table 27 Lower Boise River TMDL 2015 Phosphorus Addendum	E. coli TSS	☐ Yes ☒ No	N/A

2.3 Nature of the Construction Activities

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 site.
- Describe the size of the property (in acres or length in miles if a linear construction site), the total area expected to be disturbed by the construction activities (to the nearest quarter acre or quarter mile if a linear construction site), and the maximum area expected to be disturbed at any one time.
- A description of any on-site and off-site construction support activity areas covered by this permit;
- Indicate the type of construction site, whether there will be certain demolition activities, and whether the predevelopment land use was for agriculture.
- Provide a list and description of all pollutant-generating activities (e.g., paving operations; concrete, paint, and stucco washout and waste disposal; solid waste storage and disposal; and dewatering operations) and indicate for each activity the associated pollutants or pollutant constituents (e.g., sediment, fertilizers, pesticides, paints, caulks, sealants, fluorescent light ballasts, contaminated substrates, solvents, fuels) which could be discharged in stormwater from your construction site.
- Describe the construction support activities covered by this permit (see Part 1.2.1.c of

General Description of Project

Provide a general description of the nature of your construction activities, including the age or dates of past renovations for structures that are undergoing demolition:

A semi-conductor facility and associated support buildings will be constructed on the east side of the current Boise campus. Prior to building, the site will be composed of Sagebrush and other desert vegetation. Site and Stormwater control details will be inserted into the SWPPP as they become available as approved design. At this time there is no plan to discharge stormwater from the construction site into waters of the US. A NOI is being submitted for this project and a SWPPP has been prepared as required by US Green Building Council requirements to achieve desired LEED certification.

If you are conducting earth-disturbing activities in response to a public emergency, document the cause of the public emergency *(e.g., mud slides, earthquake, extreme flooding conditions, widespread disruption in essential public services)*, information substantiating its occurrence *(e.g., State disaster declaration or similar State or local declaration)*, and a description of the construction necessary to reestablish affected public services: N/A

Business days and hours for the project: Monday-Sunday, up to 24 hours a day

Size of Construction Site

Size of Property	1981 acres
Total Area Expected to be Disturbed by Construction Activities	1500 acres
Maximum Area Expected to be Disturbed at Any One Time, Including On-site and Off-site Construction Support Areas	1500 acres

[Repeat as necessary for individual project phases.]

Type of Construction Site *(check all that apply):*

☐ Single-Family Residential ☐ Multi-Family Residential ☐ Commercial ☒ Industrial

☐ Institutional ☐ Highway or Road ☐ Utility ☐ Other _____

Will you be discharging dewatering water from your site? ☐ Yes ☒ No

If yes, will you be discharging dewatering water from a current or former Federal or State remediation site? ☐ Yes ☐ No

Pollutant-Generating Activities

List and describe all pollutant-generating activities and indicate for each activity the associated pollutants or pollutant constituents that could be discharged in stormwater from your construction site. Take into account where potential spills and leaks could occur that contribute pollutants to stormwater discharges, and any known hazardous or toxic substances, such as PCBs and asbestos, that will be disturbed during construction.

Pollutant-Generating Activity (e.g., paving operations; concrete, paint, and stucco washout and waste disposal; solid waste storage and disposal; and dewatering operations)	**Pollutants or Pollutant Constituents** (e.g., sediment, fertilizers, pesticides, paints, caulks, sealants, fluorescent light ballasts, contaminated substrates, solvents, fuels)
Paving Operations	Oils and sediment
Concrete	Concrete washout
Paint	Paint waste and cleaning material
Stucco	Stucco washout
Fueling Operation	Fuels
Soil Disturbing Activities & Core Sampling	Sediment and dust

Pollutant-Generating Activity (e.g., paving operations; concrete, paint, and stucco washout and waste disposal; solid waste storage and disposal; and dewatering operations)	**Pollutants or Pollutant Constituents** (e.g., sediment, fertilizers, pesticides, paints, caulks, sealants, fluorescent light ballasts, contaminated substrates, solvents, fuels)
Storage of Construction and Maintenance Materials	Petroleum products (e.g., fuels and lubricants), paints, solvents, adhesives, cement/concrete, fertilizers and weed/pest chemicals, deicing agents, saw cutting debris/slurry, building materials (e.g., wood, fiberboard, conduit, etc.)
Solid Waste Storage and Disposal	Saw cutting debris
Temporary Vehicle Parking	Fuels and petroleum products
Vehicle Tracking	Sediment
Excavation Activities	Sediment and dust

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):

Equipment Staging and Material Storage

Staging areas will be approved location(s) by Warner Construction Inc and/or Micron Technology Inc. These area(s) will be used for construction equipment staging and laydown. This area may also include contractor trailers and waste storage. Dirt will need to be brought in and any excess dirt will be stored in the laydown area or temporary laydown area.

Excavation Activities

Removal of natural soils for placement base materials and foundations. Reconditioning of natural materials for re-use as base materials.

General Utility Relocations

Relocation of some utilities and addition of needed utilities for construction/final building support.

Construction Support Activities *(only provide if applicable)*

Contact information for construction support activity:
Warner Construction Inc.
3615 S Curtis Rd
Boise, ID 83705
208-333-0189
Cfischer@warnerconstructioninc.com

2.4 Sequence and Estimated Dates of Construction Activities

Instructions (see CGP Part 7.2.3):

- Describe the intended construction sequence and duration of major activities.
- For each portion or phase of the construction site, include the following:
  - ✓ Commencement and duration of construction activities, including clearing and grubbing, mass grading, demolition activities, site preparation (i.e., excavating, cutting and filling), final grading, and creation of soil and vegetation stockpiles requiring stabilization;
  - ✓ Temporary or permanent cessation of construction activities in each portion of the site;
  - ✓ Temporary or final stabilization of exposed areas for each portion of the site. 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 controls and construction equipment or vehicles, and cessation of any construction-related pollutant-generating activities.
- The construction sequence must reflect the following requirements:
  - ✓ Part 2.1.3 (installation of stormwater controls); and
  - ✓ Parts 2.2.14 (stabilization deadlines).

Phase I

Installation of initial stormwater controls and land prep	
Estimated Start Date of Construction Activities for this Phase	9/2/2022
Estimated End Date of Construction Activities for this Phase	6/30/2025
Estimated Date(s) of Application of Stabilization Measures for Areas of the Site Required to be Stabilized	9/2/2022
Estimated Date(s) when Stormwater Controls will be Removed	6/30/2025

Phase II

Civil work	
Estimated Start Date of Construction Activities for this Phase	9/2/2022
Estimated End Date of Construction Activities for this Phase	3/31/2023
Estimated Date(s) of Application of Stabilization Measures for Areas of the Site Required to be Stabilized	9/2/2022
Estimated Date(s) when Stormwater Controls will be Removed	6/30/2025

Phase III

Installation of Structure	
Estimated Start Date of Construction Activities for this Phase	3/1/2023
Estimated End Date of Construction Activities for this Phase	6/30/2025
Estimated Date(s) of Application of Stabilization Measures for Areas of the Site Required to be Stabilized	3/1/2023
Estimated Date(s) when Stormwater Controls will be Removed	6/30/2025

2.5 Authorized Non-Stormwater Discharges

Instructions (see CGP Parts 1.2.2 and 7.2.5):

- Identify all authorized non-stormwater discharges. The authorized non-stormwater discharges identified in Part 1.2.2 of the 2022 CGP include:
  - ✓ Discharges from emergency fire-fighting activities;
  - ✓ Fire hydrant flushings;
  - ✓ 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 flushings;
  - ✓ External building washdown, provided soaps, solvents and detergents are not used, and external surfaces do not contain hazardous substances as defined in CGP Appendix A (e.g., paint or caulk containing polychlorinated biphenyls (PCBs));
  - ✓ 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 wash waters directly into any receiving water, storm drain inlet, or constructed or natural site drainage features, 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
  - ✓ Uncontaminated construction dewatering water discharged in accordance with Part 2.4.

List of Authorized Non-Stormwater Discharges Present at the Site

Authorized Non-Stormwater Discharge	Will or May Occur at Your Site?
Discharges from emergency fire-fighting activities	☒ Yes ☐ No
Fire hydrant flushings	☒ Yes ☐ No
Landscape irrigation	☒ Yes ☐ No

Authorized Non-Stormwater Discharge	**Will or May Occur at Your Site?**
Water used to wash vehicles and equipment	☐ Yes ☒ No
Water used to control dust	☒ Yes ☐ No
Potable water including uncontaminated water line flushings	☒ Yes ☐ No
External building washdown (soaps/solvents are not used and external surfaces do not contain hazardous substances)	☒ Yes ☐ No
Pavement wash waters	☒ Yes ☐ No
Uncontaminated air conditioning or compressor condensate	☒ Yes ☐ No
Uncontaminated, non-turbid discharges of ground water or spring water	☐ Yes ☒ No
Foundation or footing drains	☒ Yes ☐ No
Uncontaminated construction dewatering water	☐ Yes ☒ No

(Note: You are required to identify the likely locations of these authorized non-stormwater discharges on your site map. See Section 2.6, below, of this SWPPP Template.)

2.6 *Site Maps*

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, including:
  - ✓ Locations where earth-disturbing activities will occur, noting any phasing of construction activities and any demolition activities;
  - ✓ Approximate slopes before and after major grading activities. Note any areas of steep slopes, as defined in CGP Appendix A;
  - ✓ Locations where sediment, soil, or other construction materials will be stockpiled;
  - ✓ Locations of any crossings of receiving waters;
  - ✓ Designated points where vehicles will exit onto paved roads;
  - ✓ Locations of structures and other impervious surfaces upon completion of construction; and
  - ✓ Locations of on-site and off-site construction support activity areas covered by the permit (see CGP Part 1.2.1.c).
- Locations of any receiving waters, including wetlands, within your site and all receiving waters within one mile downstream of the site's discharge point(s). Indicate which receiving waters are listed as impaired, and which are identified by your State, Tribe, or EPA as Tier 2, Tier 2.5, or Tier 3 waters.
- Any areas of Federally-listed critical habitat for endangered or threatened species within the action area of the site as defined in CGP Appendix A (Helpful resources: CGP Appendix D and www.epa.gov/npdes/construction-general-permit-cgp-threatened-and-endangered-species-eligibility).
- Type and extent of pre-construction cover on the site (e.g., vegetative cover, forest, pasture, pavement, structures).
- Drainage pattern(s) of stormwater and authorized non-stormwater before and after major grading activities.
- Stormwater and authorized non-stormwater discharge locations, including:
  - ✓ Locations where stormwater and/or authorized non-stormwater will be discharged to storm drain inlets, including a notation of whether the inlet conveys stormwater to a sediment basin, sediment trap, or similarly effective control; and
  - ✓ Locations where stormwater or allowable non-stormwater will be discharged directly to receiving waters, including wetlands (i.e., not via a storm drain inlet).
  - ✓ Locations where turbidity benchmark monitoring will take place to comply with Part 3.3, if applicable to your site.
- Locations of all potential pollutant-generating activities identified in Part 7.2.3g (note: you should have those identified in Section 2.3 (Nature of the Construction Activities) in this SWPPP Template).
- Designated areas where construction wastes that are covered by the exception in Part 2.3.3e.ii (i.e., they are not pollutant-generating) will be stored.

- Locations of stormwater controls, including natural buffer areas and any shared controls utilized to comply with the permit.
- Locations where polymers, flocculants, or other treatment chemicals will be used and stored.

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 H – NOI Form and Instructions as well as resources available at www.epa.gov/npdes/construction-general-permit-cgp-threatened-and-endangered-species-eligibility):

Using the instructions in Appendix D of the permit, determine which criterion listed below (A-F) applies with respect to the protection of endangered species. To make this determination, you must use information from **BOTH** the National Marine Fisheries Service (NMFS) and U.S. Fish and Wildlife Service (USFWS). Both the NMFS and USFWS maintain lists of Endangered Species Act-listed (ESA-listed) species and designated critical habitat. Operators must consult both when determining their eligibility.

- Check only 1 box, include the required information, and provide a sound basis for supporting the criterion selected. Select the most conservative criterion that applies.
- Include documentation supporting your determination of eligibility required in the Endangered Species Protection section of the NOI in NeT or the ESA worksheet in CGP Appendix D.

Eligibility Criterion

Following the process outlined in Appendix D, under which criterion are you eligible for coverage under this permit?

☒ **Criterion A**: No ESA-listed species and/or designated critical habitat present in action area. Using the process outlined in Appendix D of the CGP, you certify that ESA-listed species and designated critical habitat(s) under the jurisdiction of the USFWS or NMFS are not likely to occur in your site's "action area" as defined in Appendix A of the CGP. *Please Note: NMFS' jurisdiction includes ESA-listed marine and estuarine species that spawn in inland rivers.*

☒ Check to confirm you have provided documentation in your SWPPP as required by CGP Appendix D (Note: reliance on State resources is not acceptable; see CGP Appendix D).

Documentation: This area was evaluated for Endangered Species through a contractor, HDR. Please see attached documentation from HDR in Appendix K.

3.2 Historic Property Screening Process

Instructions (see CGP Part 1.1.6, 7.2.9.b, Appendix E, and the "Historic Preservation" section of the Appendix H – NOI Form and Instructions):

Follow the screening process in Appendix E of the permit to determine 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 historic preservation office, information is available at *https://ncshpo.org/directory/*
- To contact your applicable Tribal historic preservation office, information is available at *https://grantsdev.cr.nps.gov/THPO_Review/index.cfm*

Appendix E, Step 1

Do you plan on installing any stormwater controls that require subsurface earth disturbance, including, but not limited to, any of the following stormwater controls at your site? Check all that apply below, and proceed to Appendix E, Step 2.

- ☐ Dike
- ☒ Berm
- ☐ Catch Basin
- ☐ Pond
- ☐ Constructed Site Drainage Feature (e.g., ditch, trench, perimeter drain, swale, etc.)
- ☒ Culvert
- ☐ Channel
- ☐ Other type of ground-disturbing stormwater control:

(Note: If you will not be installing any subsurface earth-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 professional cultural resource surveys or other evaluations determined that historic properties do not exist, or have prior disturbances at the site have precluded the existence of historic properties? ☐ YES ☒ NO No documentation required under 2022 IDEQ CGP

- If yes, no further documentation is required for Section 3.2 of the Template and you may provide the prior documentation in your SWPPP.
- If no, proceed to Appendix E, Step 3.

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, document any contact you have had with 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: https://www.epa.gov/uic.

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.

No Underground Injection is anticipated.

SECTION 4: EROSION AND SEDIMENT CONTROLS AND DEWATERING PRACTICES

General Instructions (See CGP Parts 2.2 and 7.2.6):

- Describe the erosion and sediment controls that will be implemented at your site to meet the requirements of CGP Part 2.2.
- Describe any applicable stormwater control design specifications (including references to any manufacturer specifications and/or erosion and sediment control manuals/ordinances relied upon).
- Describe any routine stormwater control maintenance specifications.
- Describe the projected schedule for stormwater control installation/implementation.

4.1 Natural Buffers or Equivalent Sediment Controls

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

This section only applies to you if discharge to a receiving water is located within 50 feet of your site's earth disturbances. If this is the case, consult CGP Part 2.2.1 and Appendix F for information on how to comply with the buffer requirements.

- Describe the compliance alternative (CGP Part 2.2.1.a.i, ii, or iii) that you will implement to meet the buffer requirements, and include any required documentation supporting the alternative selected. For alternative 3, also include why it is infeasible for you to provide and maintain an undisturbed natural buffer of any size. For "linear construction sites" where it is infeasible to implement alternative 1, 2, or 3, also include a description of any buffer width retained and/or supplemental erosion and sediment controls installed. 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 receiving waters within 50 feet of your project's earth disturbances? ☒ YES ☐ NO

(Note: If no, no further documentation is required for Section 4.1 in the SWPPP Template. Continue to Section 4.2.)

Per NWP03 permit, fixed South Five Mile Creek crossing at cattle pond. Replaced the culvert and fixed the road.

Check the compliance alternative that you have chosen:

☐ (i) 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.)

☐ (ii) I will provide and maintain an undisturbed natural buffer that is less than 50 feet and is supplemented by additional erosion and sediment controls that achieve, in combination, 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 of the following:

(1) The estimated sediment removal from a 50-foot buffer using applicable tables in Appendix F, 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

☐ (iii) 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 Appendix F, 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

☒ 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 waters of the U.S. through the area between the disturbed portions of the site and any waters of the U.S. located within 50 feet of your site .

(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 (e.g., structures, impervious surfaces) 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.)

☐ For "linear construction sites" (defined in Appendix A), site constraints (e.g., limited right-of-way) make it infeasible to meet any of the CGP Part 2.2.1.a compliance alternatives, provided that, to the extent feasible, you limit disturbances within 50 feet of the receiving water. Include documentation here of the following: (1) why it is infeasible for you to meet one of the buffer compliance alternatives, and (2) buffer width retained and/or supplemental erosion and sediment controls to treat discharges to the surface water

☐ The project qualifies as "small residential lot" construction (defined in Appendix A as "a lot being developed for residential purposes that will disturb less than 1 acre of land, but is part of a larger residential project that will ultimately disturb greater than or equal to 1 acre") (see Appendix F, Part F.3.2).

☐ For Alternative 1:

- Insert width of natural buffer to be retained
- Insert applicable requirements based on Table F-1
- Insert description of how you will comply with these requirements

☐ For Alternative 2:

- Insert (1) the assigned risk level based on Appendix F Applicable Table F-2 through F-6 and (2) the predominant soil type and average slope at your site
- Insert applicable requirements based on Appendix F, Table F-7
- Insert description of how you will comply with these requirements

(Note 1: If you alternatively choose to comply with any of the options that are available to other sites in Part 2.2.1.a and F.2.1 of this Appendix, then additional documentation may be needed.)

☒ Buffer disturbances are authorized under a CWA Section 404 permit.

Per NWP03 permit, fixed South Five Mile Creek crossing at cattle pond. Replaced the culvert with 36" CMP, backfilled the washout in the road, armored the sides of the culvert with fabric and rip rap.

(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 disturbances within 50 feet of a receiving water that are adjacent to the disturbances authorized under Section 404 and that are covered by this permit.)

☐ 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: 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):

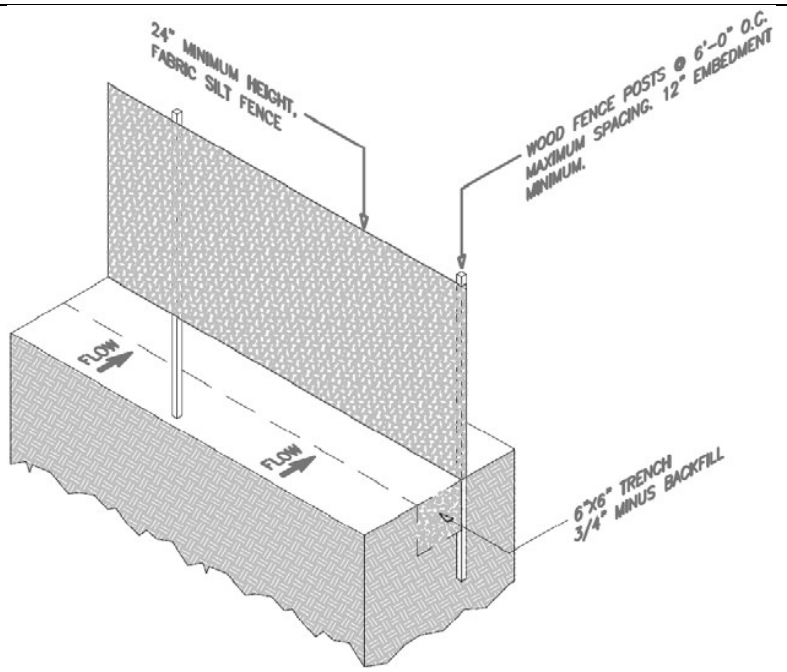
- Describe sediment controls that will be used (e.g., silt fences, filter berms, compost filter socks, gravel barriers, temporary diversion dikes) to meet the Part 2.2.3 requirement to "install sediment controls along any perimeter areas of the site that are downslope from any exposed soil or other disturbed areas."
- For linear projects (as defined in Appendix A), where you have determined that the use of perimeter controls in portions of the site is infeasible (e.g. due to a limited or restricted right-of-way), document other practices that you will implement to minimize pollutant discharges to perimeter areas of the site.

General

- Silt fences will be installed as sediment controls along the perimeter of areas that will receive earth-disturbing actives.

Specific Perimeter Controls

BMP65: Silt Fence	
Description: Temporary sediment barrier created with a porous fabric stretched and attached to supporting post	
Installation	9/2/2022
Maintenance Requirements	Perimeter control inspections will be at least every seven days. Repair or replace split, torn, unraveling. Any excessive buildup of sediment will be removed.
Design Specifications	Install silt fence after cutting or brush and before excavation and clearing or any soil disturbing construction activity within the contributing drainage area.

Design Specifications	

BMP 64: Fiber Rolls	
Description: A fiber roll consists of straw, flax or other similar materials bound into a bio degradable tubular plastic or similar encasing material.	
Installation	9/2/2022
Maintenance Requirements	Sediment accumulation will be removed before it reaches halfway up the roll. Wattles will be replaced when they are no longer effective. The perimeter will be inspected for damaged areas at least once every 7 calendar days. Inspection results and follow-up actions will be documented using the CGP SWPPP inspection form.
Design Specifications	Install along the perimeter of the project. Turn ends of fiber roll up slope to prevent runoff from going around the roll. Stake fiber rolls into a 2 to 4in deep trench with width equal to the diameter of the fiber roll. Drive stakes at the ends and every 4ft along the length. Overlap ends if placed in a row

BMP 69: Diversion Dike	
Description: A temporary berm used to channel water to a desired location and divert on-site sediment-laden water to sedimentation to stable outlets.	
Installation	9/2/2022
Maintenance Requirements	Inspect dikes before and after rain events, daily during extended events, and weekly during the rainy season. Check outlets at each inspection and repair as needed to avoid gully formation. Repair damage. Remove sediment and debris regularly. Reseed/stabilize the dike as needed to maintain stability.
Design Specifications	Constructed of compacted soil or course aggregate. Diversion dikes that convey runoff from disturbed areas should be diverted to a sediment-trapping device. For shallower slopes (less than 5%), stabilization may be achieved with matting or mulching.

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 sediment track-out.
- 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.

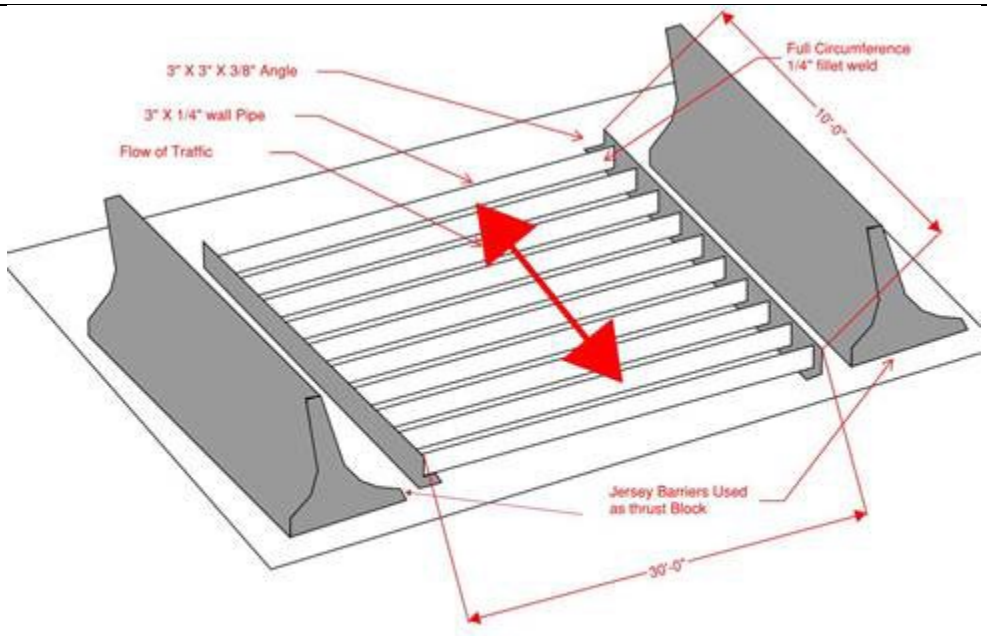
General

- Aggregate pad, rumble strip style, and/or FODS can be used to control vehicle sediment. These measures will be used to minimize track out of sediment from construction vehicles exiting the construction site onto off-site streets and other paved areas.

Specific Track-Out Controls

BMP 40: Vehicle Sediment Control	
Description: Aggregate Pad Construction Entrance	
Installation	9/2/2022
Maintenance Requirements	Inspect construction entrance and additional control regularly and after storm events. Inspect local roads, sidewalk, and other paved surfaces adjacent to the site daily and sweep or vacuum accumulated sediment. Keep all temporary roadway ditches clear. Entrances may require periodic top dressing with additional 2 inches of stone. If clogged with sediment, remove aggregate, separate and dispose of sediment.
Design Specifications	A coarse aggregate pad underlain with a geotextile fabric. Width should be at least 15ft, and when used in conjunction with rumble strips or FODS mat, should create a track out control of at least 50ft long. Aggregate should be 3 to 6in diameter rock placed at a depth of 9in minimum or as recommended by a soils engineer.

BMP 40: Vehicle Sediment Control	
Description: Rumble strips	
Installation	09/2/2022
Maintenance Requirements	Monitored during weekly inspection by Micron Technology, Inc. and refreshed when conditions indicate. Monitored periodically during construction by qualified contractor and initial/immediate repairs will be made as needed.

Design Specifications	

BMP 40: Vehicle Sediment Control	
Description: FODS Trackout Mat	
Installation	9/2/2022
Maintenance Requirements	Monitored during weekly inspection by Micron Technology, Inc. and refreshed when conditions indicate. Monitored periodically during construction by qualified contractor and initial/immediate repairs will be made as needed.
Design Specifications	A coarse HDPE pad. Width is approximately 14' wide and 12' long, and when used in conjunction with an Aggregate Pad should create a track out control of ~50 ft.

BMP 75: Street Sweeping	
Description: Street sweeping equipment	
Installation	On going
Maintenance Requirements	Sweeping will occur on an as needed basis.
Design Specifications	Sweeper equipment.

4.4 Stockpiles or Land Clearing Debris Piles Comprised of Sediment or Soil

Instructions (see CGP Parts 2.2.5 and 7.2.6):

- 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.
- For piles that will be unused for 14 or more days, describe what cover or other appropriate temporary stabilization will be used.
- Also, describe any controls or procedures used to minimize exposure resulting from adding to or removing materials from the pile.

General

- Dirt will need to be brought in for grading purposes. Any excess dirt will be stored in the laydown area. Any need for a stockpile will be evaluated by Micron Technology Inc. and Warner Construction Inc. Stockpiles will be used on a continual basis. Any piles not used for 14 or more days will utilize the controls below.

Specific Stockpile Controls

BMP 64: Fiber Rolls	
Description: A fiber roll consists of straw, flax or other similar materials bound into a bio degradable tubular plastic or similar encasing material.	
Installation	9/2/2022
Maintenance Requirements	Sediment accumulation will be removed before it reaches halfway up the roll. Wattles will be replaced when they are no longer effective. The perimeter will be inspected for damaged areas at least once every 7 calendar days. Inspection results and follow-up actions will be documented using the CGP SWPPP inspection form.
Design Specifications	Install along the perimeter of the stockpiles. Stake fiber rolls into a 2 to 4in deep trench with width equal to the diameter of the fiber roll. Drive stakes at the ends and every 4ft along the length. Overlap ends if placed in a row

BMP 44: Stockpile Management	
Description: Plastic Sheeting held down by heavy objects	
Installation	9/2/2022
Maintenance Requirements	Inspect at least once every 7 calendar days for damage and general wear. Repair or replace damaged coverings. Inspection results and follow-up actions will be documented using the CGP SWPPP inspection form.
Design Specifications	Install over the top of stockpiles to cover the entire pile of dirt. Anchor the edges of the covering with stakes or large rocks or other available heavy objects. Maintain an overlap of 3 feet along the borders and securely anchor the overlap area so it does not separate by wind or other causes.

4.5 Minimize Dust

Instructions (see CGP Parts 2.2.6 and 7.2.6):

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

General

- Dust control methods used at the construction site include application of water to disturbed areas and sweeping of paved areas near the construction site, on an as needed basis. High winds during earth moving activities in the construction area may increase dust. The construction management team will monitor activities for dust. If controls aren't effective in managing dust, such as fugitive dust leaving the construction area, earth moving activities will be stopped until either additional BMP's are implemented and/or wind speed decrease.

Specific Dust Controls

BMP 75: Street Sweeping	
Description: Street sweeping equipment	
Installation	On going
Maintenance Requirements	Sweeping will occur on an as needed basis.
Design Specifications	Sweeper equipment.

BMP 43: Dust Control	
Description: Application of water to keep the dust down	
Installation	On going
Maintenance Requirements	Watering will occur on an as needed basis. The watering will be monitored to ensure no discharge from dust control activities.
Design Specifications	Use of water truck for dust control.

4.6 Minimize Steep Slope Disturbances

Instructions (see CGP Parts 2.2.7 and 7.2.6):

- 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.

General

- Riprap and fabric can be used to mitigate erosion and stabilize areas with steep slopes. Slope roughening can be used for disturbed, exposed soil that is susceptible to wind and water erosion.

Specific Steep Slope Controls

BMP 56: Riprap Slope Protection	
Description: Riprap slope protection is created by layers of piles of rock placed over the soil surface. Riprap, when used as slope protection, protects agains erosion, stabilizes the slope, and dissipates the energy of surface water flow.	
Installation	9/2/2022
Maintenance Requirements	Inspect after heavy storms and high flows for scouring and any disloged stones. Repair all damage promptly.
Design Specifications	Rock riprap material should be composed of a well-graded mixture of angular stone size so that 50% of the pieces, by weight, are larger than the D50 size. Filters can be either gravel or a geosynthetic fabric.

BMP 58: Slope Roughening	
Description: Slope roughening is used in areas of exposed, disturbed soil that is susceptible to wind and water erosion. Tracking disturbed areas creates horizonal grooves that run parallel to the slope contour to reduce the speed of runoff, increase infiltration rates, trap sediment, and provide stable and level areas where seedlings can take hold and grow.	
Installation	9/2/2022
Maintenance Requirements	Inspect periodically, after heavy storms, and/or high flows for damage. Repair all damage promptly. Prohibit vehicle travel in these areas.
Design Specifications	Any slope steeper than 2:1 should be terraced or stair-step graded, with benches wide enough to retain sediment eroded from the slop above. Cut slopes with a gradient steeper than 3:1 but flatter than 2:1 should be stair-step graded or groove cut.

4.7 Topsoil

Instructions (see CGP Parts 2.2.8 and 7.2.6):

- 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

- Topsoil will be salvaged and utilized to return areas to their original state.

Specific Topsoil Controls

BMP 31: Topsoiling	
Description: Preservation of local topsoil	
Installation	9/2/2022
Maintenance Requirements	Before a site is fully established, inspect topsoil periodically for signs of erosion such as rills. Damaged areas should be repaired with additional topsoil and reseeded as necessary to minimize erosion and loss of topsoil.
Design Specifications	Topsoil will be preserved on site to be reused at the end of the project to return areas to their original state.

4.8 Soil Compaction

Instructions (see CGP Parts 2.2.9 and 7.2.6):

– 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

- Soil compaction will be minimized in areas of proposed landscaping and reseeding areas, as possible.

Specific Soil Compaction Controls

BMP 45: Minimize Soil Compaction	
Description: Soil compaction will be minimized in areas of proposed landscaping and reseeding areas as possible. Landscaping will be confined to planter boxes or behind curbing. Soil will be reclaimed for these areas.	
Installation	9/2/2022
Maintenance Requirements	Construction fencing will be utilized to delineate the limits of disturbance. These fences will be inspected, repaired, and replaced as needed.
Design Specifications	As possible, areas on the project site will be designated where construction disturbance is allowed and other areas where it will remain protected from construction disturbance.

4.9 Storm Drain Inlets

Instructions (see CGP Parts 2.2.10 and 7.2.6.iv):

– 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 carry stormwater flow from your site to a receiving water, provided you have the authority to access the storm drain inlet. Inlet protection measures are not required when storm drain inlets to which your site discharges are conveyed to a sediment basin, sediment trap, or similarly effective control.

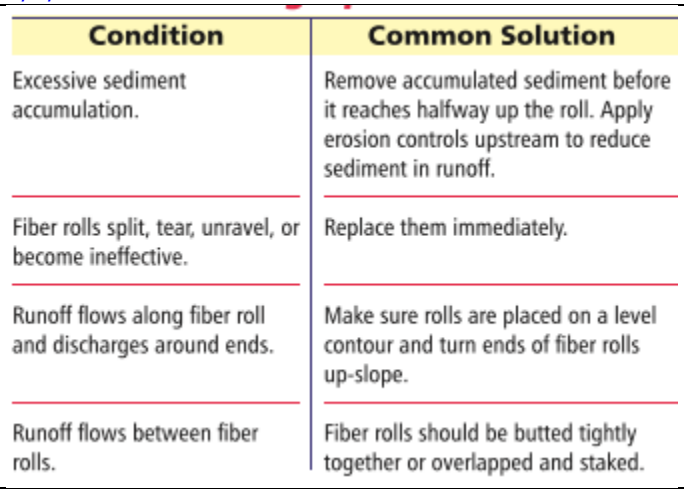
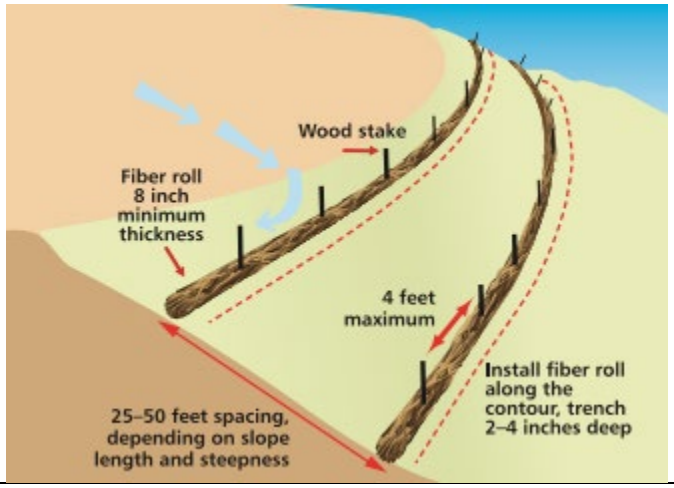
General

- Inlet that will receive stormwater from construction activities will contain filters to reduce sediment in stormwater discharges.

Specific Storm Drain Inlet Controls

BMP13: Catch Basin Insert	
Description: Witches hats and coconut fiber mats	
Installation	9/2/2022

Maintenance Requirements	A qualified person will inspect these areas once every 7 days and will either have them cleaned out or changed out should the conditions require it. (Note: At a minimum, you must comply with following requirement in CGP Part 2.2.10.b: "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, 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.")
Design Specifications	Witches hats are designed to filter out sediment from incoming storm water into catch basins. Coconut fiber mats will be substituted in areas where high flow is an issue.

BMP74: Inlet Protection	
Description: Straw Waddle	
Installation	9/2/2022
Maintenance Requirements	
Design Specifications	A fiber roll consists of straw, flax, compost or similar material that is rolled and bound into a tight tuular cylinder and placed at regular intervals on a slope face. Overlap ends of adjoining rolls 12 to 18 inches. 

Condition	Common Solution
Excessive sediment accumulation.	Remove accumulated sediment before it reaches halfway up the roll. Apply erosion controls upstream to reduce sediment in runoff.
Fiber rolls split, tear, unravel, or become ineffective.	Replace them immediately.
Runoff flows along fiber roll and discharges around ends.	Make sure rolls are placed on a level contour and turn ends of fiber rolls up-slope.
Runoff flows between fiber rolls.	Fiber rolls should be butted tightly together or overlapped and staked.

4.10 Constructed Site Drainage Feature

Instructions (see CGP Parts 2.2.11 and 7.2.6):

If you will be installing a constructed site drainage feature, describe control practices (e.g., erosion controls and/or velocity dissipation devices such as check dams and sediment traps), including design specifications and details (volume, dimensions, outlet structure), that will be implemented at the construction site.

General

- Conveyance channels and check dams will be used for any flow of stormwater to low lying areas on the site.

Specific Constructed Site Drainage Features

Insert name of constructed site drainage feature to be installed	
Description: Stormwater Conveyance Channel	
Installation	9/2/2022
Maintenance Requirements	Inspect channels periodically for signs of erosion such as rills. Damaged areas should be repaired to prevent erosion.
Design Specifications	The channel will be designed to capture any stormwater and remove any sediment. Riprap may be used to reduce flow and energy of any potential water flow.

4.11 Sediment Basins or Similar Impoundments

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

If you will install a sediment basin or similar impoundment, include design specifications and other details (volume, dimensions, outlet structure) that will be implemented in conformance with CGP Parts 2.2.12 and 7.2.6.b.iv.

- Sediment basins must be situated outside of receiving waters and any natural buffers established under CGP Part 2.2.1; and designed to avoid collecting water from wetlands.
- At a minimum, sediment basins provide storage for either (1) the calculated volume of runoff from the 2-year, 24-hour storm (see https://www.epa.gov/npdes/construction-general-permit-2-year-24-hour-storm-frequencies), or (2) 3,600 cubic feet per acre drained.
- Sediment basins must also utilize outlet structures that withdraw water from the surface, unless infeasible.
- Use erosion controls and velocity dissipation devices to prevent erosion at inlets and outlets.

General

- No sediment basins are anticipated.

Specific Sediment Basin Controls

Insert name of sediment basin control to be installed	
Description: Insert description of sediment basin control to be installed	
Installation	Insert approximate date of installation

Insert name of sediment basin control to be installed	
Maintenance Requirements	Insert maintenance requirements for the sediment basin control. (Note: At a minimum, you must comply with following requirement in CGP Part 2.2.12.f: "Remove accumulated sediment to maintain at least one-half of the design capacity and conduct all other appropriate maintenance to ensure the basin or impoundment remains in effective operating condition.")
Design Specifications	Include copies of design specifications here

4.12 Chemical Treatment

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

If you are using treatment chemicals (e.g., polymers, flocculants, coagulants) 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.vi.

- No Chemical Treatment is anticipated.

Soil Types
List all the soil types including soil types expected to be exposed during construction in areas of the project that will drain to chemical treatment systems and those expected to be found in fill material: No chemical treatment is anticipated for these projects

Treatment Chemicals
List all treatment chemicals that will be used at the site and explain why these chemicals are suited to the soil characteristics: Insert text here
Describe the dosage of all treatment chemicals you will use at the site or the methodology you will use to determine dosage: Insert text here

Provide information from any applicable Safety Data Sheets (SDS): Insert text here

Describe how each of the chemicals will be stored consistent with CGP Part 2.2.13c: Insert text here

Include references to applicable State or local requirements affecting the use of treatment chemicals, and copies of applicable manufacturer's specifications regarding the use of your specific treatment chemicals and/or chemical treatment systems: Insert text here

Special Controls for Cationic Treatment Chemicals (if applicable)
If the applicable EPA Regional Office authorized you to use cationic treatment chemicals, include the official EPA authorization letter or other communication, and identify the specific controls and implementation procedures designed to ensure that your use of cationic treatment chemicals will not lead to a discharge that does not meet water quality standards: Insert (1) any letters or other documents sent from the EPA regional office concerning your use of cationic treatment chemicals, and (2) description of any specific controls you are required to implement

Schematic Drawings of Stormwater Controls/Chemical Treatment Systems
Provide schematic drawings of any chemically-enhanced stormwater controls or chemical treatment systems to be used for application of treatment chemicals: Insert drawings here

Training

Describe the training that personnel who handle and apply chemicals have received prior to permit coverage, or will receive prior to the use of treatment chemicals: Insert text here

4.13 Dewatering Practices

Instructions (see CGP Parts 2.4 and 7.2.6):

If you will be discharging accumulated stormwater and/or ground water drained from building foundations, vaults, trenches, 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.

- Do not place dewatering controls on steep slopes.
- Use a suitable filtration device if dewatering water is found or expected to contain materials that cause a visible sheen on the water surface or visible oily deposits on the bottom or shoreline of the receiving water.
- Use well-vegetated, upland areas of the site to infiltrate dewatering water before discharging. Do not use receiving waters as part of the treatment area.
- Use stable, erosion-resistant surfaces to discharge from dewatering controls. Additionally, at all points where dewatering water is discharged, comply with the velocity dissipation requirements of Part 2.2.11.

General

- No dewatering is expected.

Specific Dewatering Practices

4.14 Other Stormwater Controls

Instructions:

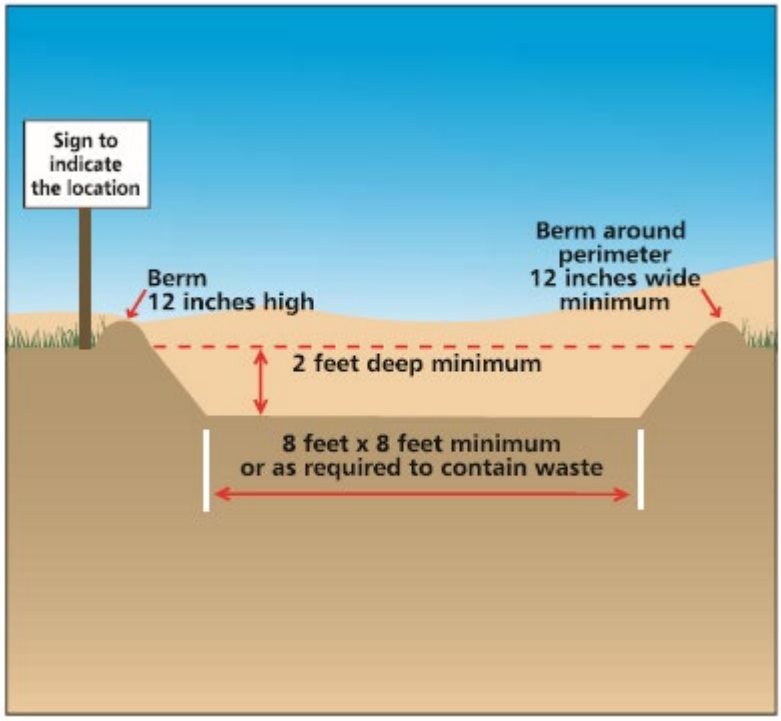
- Describe any other stormwater controls that do not fit into the above categories.

General

- Concrete washout area(s).

Specific Stormwater Control Practices

Concrete, Cementitious Fire Proofing, and Stucco/EIFS Washout	
Description: Concrete washout area(s) will be installed to collect concrete and stucco wash water. The concrete washout area will be installed with signs and proper berms	
Installation	9/2/2022
Maintenance Requirements	A qualified person will inspect the area every seven days and the cleanout will be emptied as needed.

Design Specifications	

4.15 Site Stabilization

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

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. Construction projects disturbing more than 5 acres at any one time have a different deadline than projects disturbing 5 acres or less at any one time. See CGP Part 2.2.14.a. Construction projects in arid, semi-arid, and drought-stricken areas during the seasonally dry period and projects discharging to a sediment- or nutrient-impaired water or a Tier 2, 2.5, or 3 water have different stabilization deadlines. See CGP Part 2.2.14.b. 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.
- The stabilization deadline(s) that will be met in accordance with Part 2.2.14.a and 2.2.14.b.
- 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.

Total Amount of Land Disturbance Occurring at Any One Time

☐ *Five Acres or less*

☒ *More than Five Acres*

Use this template box if you are <u>not</u> located in an arid, semi-arid, or drought-stricken area and are not discharging to a sediment- or nutrient-impaired water or Tier 2, Tier 2.5, or Tier 3 water.

Insert name of site stabilization practice	
☐ *Vegetative* ☐ *Non-Vegetative* ☐ *Temporary* ☐ *Permanent*	
Description: ▪ Insert description of stabilization practice to be installed ▪ Note how design will meet requirements of Part 2.2.14.a	
Installation	Insert approximate date of installation
Completion	Insert approximate completion date
Maintenance Requirements	Insert maintenance requirements for the stabilization practice
Design Specifications	Include copies of design specifications here

Use this template box if you are located in an arid, semi-arid, or drought-stricken area.

Stabilization	
☒ *Vegetative* ☒ *Non-Vegetative* ☒ *Temporary* ☒ *Permanent*	
Description: ▪ Permanent Stabilization in landscaped areas will include grass, trees, shrubs, bark, or rock. Non-landscaped areas will be seeded with drought tolerant, native vegetation. ▪ Temporary Stabilization will include slope roughening, soil compaction, rock/road mix, hydroseeding.	
Dry Period	▪ Beginning date of seasonally dry period: 6/1/2022 ▪ Ending date of seasonally dry period: 10/31/2022 ▪ Site conditions during this period: Dry conditions with high temperatures
Installation and completion schedule	Topsoil and seeding will follow immediately after pavement is placed ▪ Approximate installation date: 9/2/2022 ▪ Approximate completion date: 6/30/2025
Maintenance Requirements	Inspect areas periodically and after major storm events for signs of erosion such as rills and gullies. Damaged areas should be repaired as necessary. Irrigation systems for the landscaped areas will be maintained to support vegetation. Non-landscaped areas will be visually monitored to verify native vegetation growth.
Design Specifications	Landscaped areas will include grass, trees, shrubs, bark, or rock. Non-landscaped areas will be seeded with drought tolerant, native vegetation. Temporary Stabilization will include slope roughening, soil compaction, rock/road mix, hydroseeding.

Use this template box if unforeseen circumstances have delayed the initiation and/or completion of vegetative 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.b.ii, you will need to modify your SWPPP to include this information.

Insert name of site stabilization practice	
☐ *Vegetative* ☐ *Non-Vegetative* ☐ *Temporary* ☐ *Permanent*	
Description: ▪ Insert description of stabilization practice to be installed ▪ Note how design will meet requirements of Part 2.2.14.b.ii	
Justification	Insert description of circumstances that prevent you from meeting the deadlines required in CGP CGP Parts 2.2.14.a
Installation and completion schedule	**Vegetative Measures:** Describe the schedule you will follow for initiating and completing vegetative stabilization ▪ Approximate installation date: Insert approximate date ▪ Approximate completion date: Insert the approximate date
	Non-Vegetative Measures: *(Must be completed within 14 days of the cessation of construction if disturbing 5 acres or less; within 7 days if disturbing more than 5 acres)* ▪ Approximate installation date: Insert the approximate date ▪ Approximate completion date: Insert the approximate date
Maintenance Requirements	Insert maintenance requirements for the stabilization practice
Design Specifications	Include copies of design specifications here

SECTION 5: POLLUTION PREVENTION CONTROLS

5.1 Potential Sources of Pollution

Instructions (see CGP Part 7.2.3.g):

- 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 in stormwater from your construction site. You must take into account where potential spills and leaks could occur that contribute pollutants to stormwater discharges, and any known hazardous or toxic substances, such as PCBs and asbestos, that will be disturbed or removed during construction.

Construction Site Pollutants

The locations of the activities below will take place and/or be stored in the laydown area.

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)
Paving Operations	Oils and sediment	Reference SWPPP site map, Appendix A
Concrete	Concrete washout	Reference SWPPP site map, Appendix A
Paint	Paint waste and cleaning material	Reference SWPPP site map, Appendix A
Stucco	Stucco washout	Reference SWPPP site map, Appendix A
Fueling Operation	Fuels	Reference SWPPP site map, Appendix A
Soil Disturbing Activities & Core Sampling	Sediment and dust	Reference SWPPP site map, Appendix A
Storage of Construction and Maintenance Materials	Petroleum products (e.g., fuels and lubricants), paints, solvents, adhesives, cement/concrete, fertilizers and weed/pest chemicals, deicing agents, saw cutting debris/slurry, building materials (e.g., wood, fiberboard, conduit, etc.)	Reference SWPPP site map, Appendix A
Solid Waste Storage and Disposal	Saw cutting debris	Reference SWPPP site map, Appendix A
Temporary Vehicle Parking	Fuels and petroleum products	Reference SWPPP site map, Appendix A
Vehicle Tracking	Sediment	Reference SWPPP site map, Appendix A
Excavation Activities	Sediment and dust	Reference SWPPP site map, Appendix A

5.2 Spill Prevention and Response

Instructions (see CGP Parts 2.3.6 and 7.2.6.b.viii):

- 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 to all employees.
- Some projects/site may be required to develop a Spill Prevention Control and Countermeasure (SPCC) plan under a separate regulatory program (Section 311 of the CWA). 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.

Spill prevention and response measures for potential use at the construction site are described below (Responsibilities of Warner Construction Inc.):

- Contain and clean up spills/releases immediately
- Use dry methods (e.g., sweeping) rather than wet methods (e.g., washing and hosing) to clean up spills/releases of dry materials
- Use appropriate absorbent materials to clean up wet spills on impermeable surfaces
- Excavation of affected areas may be required to clean up wet spills on soil or other permeable surfaces
- Maintain adequate stock of spill response materials in accessible locations
- Notify the Micron Environmental contact or Environmental on-call through the Security Control Room at 208-363-1405 immediately of any spills/releases to the environment. Micron may provide spill response material and assistance.

Where a release containing a hazardous substance or oil in amount to or in excess of a reportable quantity established under either 40 CFR Part 110, 40 CFR part 117, or 40 CFR Part 302, occurs during a 24-hour period Micron will initiate notification of authorities having jurisdiction.

Corrective action requirements and reporting will be followed per the CGP

5.3 Fueling and Maintenance of Equipment or Vehicles

Instructions (see CGP Parts 2.3.1 and 7.2.6):

- 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, dikes, spill containment pallets)* and cover where appropriate, and/or having spill kits readily available.)

General

- Fueling and maintenance of equipment and vehicles will take place away from surface waters and stormwater inlets. Equipment and vehicles are to be serviced only in designated service areas. Maintenance practices will be implemented and spill kits will be readily available in all service areas. In the event of a leak, spill, or other release due to the fueling or maintenance of equipment and vehicles, spill response procedures described in Section 5.2 will be followed (Responsibility of Warner Construction Inc.).

Specific Pollution Prevention Practices

Fueling and Maintenance	
Description: Drip pans and absorbents under and around vehicles receiving maintenance.	
Installation	9/2/2022
Maintenance Requirements	Spills and contaminated surfaces will be cleaned up immediately, using dry clean up measures where possible, to eliminate the source of the spill and prevent a discharge. Oily wastes will be disposed of or recycled in accordance with federal and state requirements. Weekly inspections will be performed by Qualified personnel and maintenance and corrective actions will be documented in Appendix D and Appendix E respectively.
Design Specifications	N/A

5.4 Washing of Equipment and Vehicles

Instructions (see CGP Parts 2.3.2 and 7.2.6):

- 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 wash waters (e.g., locating activities away from receiving waters and storm drain inlets or constructed or natural site drainage features 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 and provide storage by 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 minimize the discharge of pollutants from these areas.

General

- Equipment and vehicles will not be washed on the construction site.

Specific Pollution Prevention Practices

Insert name of pollution prevention practice	
Description: Insert description of practice to be implemented	
Implementation	Insert approximate date of implementation
Maintenance Requirements	Insert maintenance requirements for the pollution prevention practice
Design Specifications	If applicable include copies of design specifications here

5.5 Storage, Handling, and Disposal of Building Products, Materials, and Wastes

Instructions (see CGP Parts 2.3.3 and 7.2.6):

- For any of the types of building products, materials, and wastes in Sections 5.5.1-5.5.6 below that you expect to use or store at your site, provide the information on how you will comply with the corresponding CGP provision and the specific practices that you will employ.

5.5.1 Building Materials and Building Products

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

General

- Stockpiled material will be stabilized, and all other material will be recycled or disposed of properly. Excavated material may be hauled off-site or stockpiled for recycling.

Specific Pollution Prevention Practices

Construction Waste Recycling or Disposal	
Description: Excavated material will be recycled or stockpiled or hauled off-site.	
Installation	9/2/2022
Maintenance Requirements	CGP stabilization controls will be implemented.
Design Specifications	N/A

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

General

- No pesticides, herbicides, insecticides, fertilizers or landscape materials are anticipated to be stored onsite.

Specific Pollution Prevention Practices

Insert name of pollution prevention practice	
Description: Insert description of practice to be implemented	
Implementation	Insert approximate date of implementation
Maintenance Requirements	Insert maintenance requirements for the pollution prevention practice
Design Specifications	If applicable include copies of design specifications here

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

General

- Diesel Fuel, Oil, Hydraulic Fluids, other Petroleum Products, and other chemicals may be stored on this site

Specific Pollution Prevention Practices

Designated Storage Areas	
Description: Materials will be stored upright and covered in designated areas	
Installation	9/2/2022
Maintenance Requirements	A qualified person will inspect these areas at least every 7 days when construction activities are occurring and will maintain the BMP's as necessary.
Design Specifications	N/A

5.5.4 Hazardous or Toxic Waste

(Note: Examples include paints, caulks, sealants, fluorescent light ballasts, solvents, petroleum-based products, wood preservatives, additives, curing compounds, and acids.)

General

- Hazardous or Toxic Waste may be stored on this site

Specific Pollution Prevention Practices

Hazardous Waste Storage/Disposal	
Description: Waste will be properly stored in a covered area and be handled and disposed of following Micron Technology's approved waste disposal procedures.	
Installation	9/2/2022
Maintenance Requirements	A qualified person will inspect these areas at least every 7 days when construction activities are occurring and will maintain the BMP's as necessary.
Design Specifications	Storage area must remain locked when not in use and provide containment.

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, demolition debris, and other trash or discarded materials.)

General

- Items will be stored and recycled or properly disposed.

Specific Pollution Prevention Practices

Designated and Covered Waste Areas	
Description: Waste areas will be designated, and covered receptacles will be located throughout the site.	
Installation	9/2/2022
Maintenance Requirements	A qualified person will inspect these at least once every 7 days when construction activities are occurring and will maintain the BMP's as necessary.
Design Specifications	All waste must be covered.

5.5.6 Sanitary Waste

General

- Temporary sanitary waste facilities will be provided through contract by current construction company.

Specific Pollution Prevention Practices

Maintenance and Disposal Contract	
Description: Maintenance and disposal of temporary sanitary waste facilities will be contracted out to a private waste company.	
Installation	9/2/2022
Maintenance Requirements	Sanitary waste facilities will be cleaned and waste will be disposed of on a set schedule. Current contractor will inspect these areas at least once every 7 days when construction activities are occurring and will maintain the BMP's as necessary.
Design Specifications	N/A

5.6 Washing of Applicators and Containers used for Stucco, Paint, Concrete, Form Release Oils, Cutting Compounds, or Other Materials

Instructions (see CGP Parts 2.3.4 and 7.2.6):

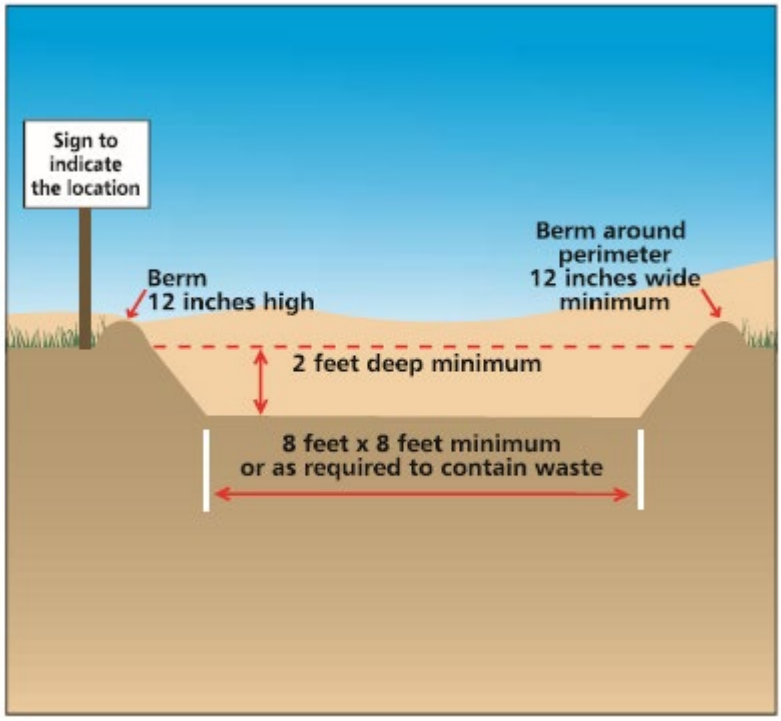
- Describe how you will comply with the CGP Part 2.3.4 requirement for washing applications and containers.

General

- Concrete washout areas will be specified and provided; paint waste will be captured in drums and properly disposed of.

Specific Pollution Prevention Practices

Concrete Washout	
Description: Concrete washout areas will be specified and provided	
Installation	9/2/2022
Maintenance Requirements	A qualified person will inspect the area every seven days and the cleanout will be emptied as needed.

Design Specifications	

Paint Wash Waters Disposal	
Description: Paint wash waters will be collected and stored in 55-gallon drums.	
Installation	9/2/2022
Maintenance Requirements	Qualified personnel will inspect these areas at least once every 7 days when construction activities are occurring and will maintain the BMP's as necessary.
Design Specifications	Stored in closed top metal drum

5.7 Application of Fertilizers

Instructions (CGP Parts 2.3.5 and 7.2.6.x):

Describe how you will comply with the CGP Part 2.3.5 requirement for the application of fertilizers.

General

- No fertilizers are anticipated

Specific Pollution Prevention Practices

Insert name of pollution prevention practice	
Description: Insert description of practice to be implemented	
Implementation	Insert approximate date of implementation
Maintenance Requirements	Insert maintenance requirements for the pollution prevention practice
Design Specifications	If applicable include copies of design specifications here

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 are anticipated.

Specific Pollution Prevention Practices

Insert name of pollution prevention practice	
Description: Insert description of practice to be implemented	
Implementation	Insert approximate date of implementation
Maintenance Requirements	Insert maintenance requirements for the pollution prevention practice
Design Specifications	If applicable include copies of design specifications here

SECTION 6: INSPECTION, MAINTENANCE, 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 maintaining your stormwater controls, conducting inspections, and, where necessary, taking corrective actions in accordance with CGP Parts 4, 5, and 7.2.7.

Inspections of the construction site will be conducted by qualified personnel who are knowledgeable in the principles and practices of erosion and sediment control. They must possess the skills to assess conditions at the construction site that could impact stormwater quality and to assess the effectiveness of any sediment and erosion control measures selected to control the quality of stormwater discharges from the construction activity.

Site Inspection Schedule

Select the inspection frequency(ies) that applies, based on CGP Parts 4.2, 4.3, or 4.4

(Note: you may be subject to different inspection frequencies in different areas of the site. Check all that apply and indicate which portion(s) of the site it applies to.)

Standard Frequency:

☒ Every 7 calendar days

☐ Every 14 calendar days and within 24 hours of either:

- A storm event that produces 0.25 inches or more of rain within a 24-hour period (including when there are multiple, smaller storms that alone produce less than 0.25 inches but together produce 0.25 inches or more in 24 hours), or
- A storm event that produces 0.25 inches or more of rain within a 24-hour period on the first day of a storm and continues to produce 0.25 inches or more of rain on subsequent days (you conduct an inspection within 24 hours of the first day of the storm and within 24 hours after the last day of the storm that produces 0.25 inches or more of rain (i.e., only two inspections would be required for such a storm event)), or
- A discharge caused by snowmelt from a storm event that produces 3.25 inches or more of snow within a 24-hour period.

Increased Frequency (if applicable):

For areas of sites discharging to sediment or nutrient-impaired waters or to waters designated as Tier 2, Tier 2.5, or Tier 3

☐ Every 7 days and within 24 hours of either:

- A storm event that produces 0.25 inches or more of rain within a 24-hour period, or
- A discharge caused by snowmelt from a storm event that produces 3.25 inches or more of snow within a 24-hour period.

Reduced Frequency (if applicable)

For stabilized areas

☐ Twice during first month, no more than 14 calendar days apart; then once per month after first month until permit coverage is terminated consistent with Part 9 in any area of your site where the stabilization steps in 2.2.14.a have been completed.

- Specify locations where stabilization steps have been completed
- Insert 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. If construction activity resumes in this portion of the site at a later date, the inspection frequency immediately increases to that required in Parts 4.2 and 4.3, as applicable.)

For stabilized areas on "linear construction sites" (as defined in Appendix A)

☐ Twice during first month, no more than 14 calendar days apart; then once more within 24 hours of a storm event that produces 0.25 inches or more of rain within a 24-hour period, or within 24 hours of a snowmelt discharge from a storm event that produces 3.25 inches or more of snow within a 24-hour period

- Specify locations where stabilization steps have been completed
- Insert 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 arid, semi-arid, or drought-stricken areas during seasonally dry periods or during drought

☐ Once per month and within 24 hours of either:

- A storm event that produces 0.25 inches or more of rain within a 24-hour period, or
- A snowmelt discharge from a storm event that produces 3.25 inches or more of snow within a 24-hour period.

Insert beginning and ending month identified as the seasonally dry period for your area or the valid period of drought:

- Beginning month of the seasonally dry period: Insert approximate date
- Ending month of the seasonally dry period: Insert approximate date

For frozen conditions where construction activities are being conducted

☐ Once per month

Insert beginning and ending dates of frozen conditions on your site:

- Beginning date of frozen conditions: Insert approximate date
- Ending date of frozen conditions: Insert approximate date

For frozen conditions where construction activities are suspended

☐ Inspections are temporarily suspended

Insert beginning and ending dates of frozen conditions on your site:

- Beginning date of frozen conditions: Insert approximate date
- Ending date of frozen conditions: Insert approximate date

Dewatering Inspection Schedule

Select the inspection frequency that applies based on CGP Part 4.3.2

Dewatering Inspection
☐ Once per day on which the discharge of dewatering water occurs.

Rain Gauge Location (if applicable)
N/A – Inspections will be completed at least once every 7 days when construction activities are occurring

Inspection Report Forms
Insert a copy of any inspection report forms you will use here or in Appendix D of this SWPPP template

(Note: EPA has developed a sample inspection form that CGP operators can use. The form is available at https://www.epa.gov/npdes/stormwater-discharges-construction-activities#resources)

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.

Personnel Responsible for Corrective Actions
Warner Construction Inc.

Corrective Action Logs
Insert a copy of any corrective action forms you will use here or in Appendix E of this SWPPP Template

(Note: EPA has developed a sample corrective action log that CGP operators can use. The form is available at https://www.epa.gov/npdes/stormwater-discharges-construction-activities#resources)

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 this SWPPP Template.)
- For more on this topic, see Appendix G, Subsection 11 of EPA's CGP.

Duly Authorized Representative(s) or Position(s):
CVP, Process R&D and Operations
VP, Global EHS & Sustainability

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

Sr. Director, EHS & PSM US Expansion
Manager, Environmental Compliance

SECTION 7: TURBIDITY BENCHMARK MONITORING FOR DEWATERING DISCHARGES

Instructions (see CGP Part 3.3 and 7.2.8):

– If you are required to comply with the Part 3.3 turbidity benchmark monitoring requirements, describe the procedures you will follow to:
  - ✓ Collect and evaluate samples,
  - ✓ Report results to EPA and keep records of monitoring information, and
  - ✓ Take corrective action when necessary.

– Include the specific type of turbidity meter you will use for monitoring, as well as any manuals or manufacturer instructions on how to operate and calibrate the meter.

– Describe any coordinating arrangement you may have with any other permitted operators on the same site with respect to compliance with the turbidity monitoring requirements, including which parties are tasked with specific responsibilities.

– If EPA has approved of an alternate turbidity benchmark pursuant to Part 3.3.2.b, include any data and other documentation you relied on to request use of the specific alternative benchmark.

No Dewatering is anticipated.

Procedures:

Collecting and evaluating samples	Describe how you will collect and evaluate samples
Reporting results and keeping monitoring information records	Describe how you will report results to EPA and keep monitoring information records
Taking corrective action when necessary	Describe how you will take corrective action when necesary

Turbidity Meter:

Type of turbidity meter	Insert the type of turbidity meter

Turbidity meter manuals and manufacturer instructions

Insert a copy of any manuals and manufacturer instructions in Appendix N of this SWPPP Template.

Coordinating Arrangements for Turbidity Monitoring (if applicable):

Permitted operator name	Insert operator name
Permitted operator NPDES ID	Insert operator NPDES ID
Coordinating Arrangement	Describe the coordinating arrangement including which parties are tasked with specifc responsibilities

[Repeat as necessary.]

Alternate turbidity benchmark (if applicable):

Alternate turbidity benchmark (NTU)	Insert alternate turbidity benchmark
Data and documentation used to request the alternate benchmark	Insert the data and documentation that was submitted to EPA to request the alternate benchmark

SECTION 8: CERTIFICATION AND NOTIFICATION

Instructions (CGP Appendix G, Part G.11.2):

- The following certification statement must be signed and dated by a person who meets the requirements of Appendix G, Part G.11.2.
- 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 have no personal knowledge that the information submitted is other than true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: Linda Somerville Title: CVP, Process R&D and Operations

Signature: _____ Date: _____

SWPPP APPENDICES

Attach the following documentation to the SWPPP:

Appendix A – Site Maps

Appendix B – Copy of 2022 CGP
(Note: The 2022 CGP is available at https://www.epa.gov/npdes/2022-construction-general-permit-cgp)

Appendix C – NOI and EPA Authorization Email

Appendix D – Site Inspection Form and Dewatering Inspection Form (if applicable)
(Note: EPA has developed a sample site inspection form template that CGP operators can use. The template is available at https://www.epa.gov/npdes/construction-general-permit-resources-tools-and-templates). Where the operator will be dewatering at the site, EPA has developed a separate dewatering inspection form template to use to document the required information. This template is available at https://www.epa.gov/npdes/construction-general-permit-resources-tools-and-templates.

Appendix E – Corrective Action Log
(Note: EPA has developed a sample corrective action log that CGP operators can use. The form is available at https://www.epa.gov/npdes/construction-general-permit-resources-tools-and-templates)

Appendix F – SWPPP Amendment Log

Appendix G – Subcontractor Certifications/Agreements

Appendix H – Grading and Stabilization Activities Log

Appendix I – Training Documentation

Appendix J – Delegation of Authority

Appendix K – Endangered Species Documentation

Appendix L – Historic Preservation Documentation – Not Needed per IDEQ

Appendix M – Rainfall Gauge Recording – Not Needed, Will Inspect Every 7 Days

Appendix N – Turbidity Meter Manual and Manufacturer's Instructions - Not Needed, No Discharge Expected

Appendix A – Site Maps

Appendix B – Copy of 2022 CGP

For a Copy of IDEQ 2022 CGP seen in Appendix B visit
https://www2.deq.idaho.gov/admin/LEIA/api/document/download/16509

Appendix C – Copy of NOI and IDEQ Authorization Email

Appendix D – Copy of Site and Dewatering Inspection Forms

Appendix E – Copy of Corrective Action Log

Appendix F – *Sample* SWPPP Amendment Log

Instructions (see CGP Part 7.4):

- Create a log here of changes and updates to the SWPPP. You may use the table below to track these modifications.
- SWPPP modifications are required pursuant to CGP Part 7.4.1 in the following circumstances:
  - ✓ Whenever new operators become active in construction activities on your site, or you make changes to your construction plans, stormwater controls, or other activities at your site that are no longer accurately reflected in your SWPPP (this includes changes made in response to corrective actions triggered under CGP Part 5);
  - ✓ To reflect areas on your site map where operational control has been transferred (and the date of transfer) since initiating permit coverage;
  - ✓ If inspections or investigations determine that SWPPP modifications are necessary for compliance with this permit;
  - ✓ Where EPA determines it is necessary to install and/or implement additional controls at your site in order to meet requirements of the permit;
  - ✓ To reflect any revisions to applicable Federal, State, Tribal, or local requirements that affect the stormwater control measures implemented at the site; and
  - ✓ If applicable, if a change in chemical treatment systems or chemically-enhanced stormwater control is made, including use of a different treatment chemical, different dosage rate, or different area of application.

No.	Description of the Amendment	Date of Amendment	Amendment Prepared by [Name(s) and Title]
		INSERT DATE	
		INSERT DATE	
		INSERT DATE	
		INSERT DATE	
		INSERT DATE	
		INSERT DATE	
		INSERT DATE	
		INSERT DATE	

Appendix G – *Sample* Subcontractor Certifications/Agreements

SUBCONTRACTOR CERTIFICATION
STORMWATER POLLUTION PREVENTION PLAN

Project Number: _____

Project Title: _____

Operator(s): _____

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

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

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

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

Company: _____

Address: _____

Telephone Number: _____

Type of construction service to be provided: _____

_____

_____

Signature: _____

Title: _____

Date: _____

Appendix H – *Sample* Grading and Stabilization Activities Log

Date Grading Activity Initiated	**Description of Grading Activity**	**Description of Stabilization Measure and Location**	**Date Grading Activity Ceased** (Indicate Temporary or Permanent)	**Date When Stabilization Measures Initiated**
INSERT DATE			INSERT DATE ☐ Temporary ☐ Permanent	INSERT DATE
INSERT DATE			INSERT DATE ☐ Temporary ☐ Permanent	INSERT DATE
INSERT DATE			INSERT DATE ☐ Temporary ☐ Permanent	INSERT DATE
INSERT DATE			INSERT DATE ☐ Temporary ☐ Permanent	INSERT DATE
INSERT DATE			INSERT DATE ☐ Temporary ☐ Permanent	INSERT DATE
INSERT DATE			INSERT DATE ☐ Temporary ☐ Permanent	INSERT DATE
INSERT DATE			INSERT DATE ☐ Temporary ☐ Permanent	INSERT DATE
INSERT DATE			INSERT DATE ☐ Temporary ☐ Permanent	INSERT DATE

Appendix I –Training Documentation

Appendix J – Delegation of Authority Form

Appendix K – Endangered Species Documentation