Appendix I

STORMWATER POLLUTION PREVENTION PLAN

Lost City Renewables LLC

Muhlenberg County, Kentucky

COPPERHEAD
ENVIRONMENTAL CONSULTING

Stormwater Management

The Kentucky Division of Water (KDOW) issues permits for large and small construction projects through its Kentucky Pollutant Discharge Elimination System (KPDES) program (KYR10 Stormwater General Permit for Stormwater Discharges Associated with construction Activities). The Lost City Solar project must apply for and obtain a KPDES Stormwater Construction permit because it will disturb greater than 1 acre of land. This permit establishes several requirements to avoid or minimize stormwater runoff into waters of the Commonwealth. Requirements include development and implementation of a Stormwater Pollution Prevention Plan (SWPPP), minimizing the size and duration of construction disturbance, initiating stabilization practices, and adhere to stormwater control measures and best management practices to protect waters of the Commonwealth.

The SWPPP must include erosion prevention measures, sediment control measures, and other site management practices necessary to prevent the discharge of sediment and other pollutants into waters of the Commonwealth that would result in those waters being degraded or non-supportive of their designated uses. The design, installation, and maintenance of erosion and sediment controls must address factors such as the amount, frequency, intensity and duration of precipitation, the nature of resulting stormwater runoff, and soil characteristics, including the range of soil particle sizes expected to be present on site.

Erosion prevention measures, sediment control measures (e.g., silt fences, fiber rolls, silt traps), and other site management practices shall be properly selected based on site-specific conditions and installed and maintained in accordance with sound sediment controls, erosion prevention, or other site management practices and relevant manufacturers' specifications. Lost City Renewables will follow stormwater best management practices such as those identified in the Best Management Practices (BMPs) for Controlling Erosion, Sediment, and Pollutant Runoff from Construction Sites (University of Kentucky Transportation Center (2009)) and Kentucky Erosion Prevention and Sediment Control Field Guide .

The permit requires minimizing the size and duration of construction disturbance and time the disturbed area is exposed to without implementation of temporary or final stabilization practices (e.g., phasing construction to minimize bare soils and disturbance). This includes a provision that, in critical areas, erosion prevention measures be implemented on disturbed areas within 24 hours or as soon as practical after completion of disturbance/grading or following cessation of activities.

Temporary and permanent stabilization practices are required (e.g., mulch, straw, erosion control mats). Temporary stabilization practices must be implemented where construction activities have temporarily ceased within 14 days of the date of activity cessation. Permittees are required to initiate final stabilization practices where construction activities have permanently ceased within 14 days of the date of activity cessation. Final stabilization practices shall be initiated where construction activities have been suspended for more than 180 days.

Lost City Renewables is also committing to 25-foot buffers around all perennial and intermittent streams as well as wetlands to further minimize the potential for stormwater runoff.

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Lost City Renewables or their contractor will submit of notice of intent (NOI) to KDOW seeking authorization for stormwater discharges. The NOI also provides KDOW with sufficient information regarding the proposed location, discharges, and activities at the site to conduct on-site inspections. This information includes Lost City Renewables information; facility/site location information; site activity information; other required environmental approvals, permits or certifications; NOI preparer information; and site map. The NOI will submitted to KDOW prior to start of construction. Lost City Renewables will develop a SWPPP for the Lost City Solar project and conduct regular inspections of erosion control and stormwater control measures.

Stormwater management practices will continue after the project's construction phase and maintained throughout the facilities operating life cycle. As part of the project's stormwater management plan, grading and vegetation will be utilized to help control and manage stormwater. Lost City Renewables also will prepare an operation and maintenance plan that will benchmark stormwater practices and provide guidance for continued function and controls to protect the environment into the future. For example, Lost City Renewables will identify parties responsible for maintaining stormwater controls; maintenance schedules, inspection requirements, frequency of inspections, and describe best management practices and basic maintenance activities like vegetation management, debris removal, and stormwater trap maintenance.

Stormwater Pollution Prevention Plan (SWPPP)

For Construction Activities At:

Lost City Solar
2239 KY-949 Dunmor, Kentucky, 42339
Muhlenberg County, KY
Insert Project/Site Telephone Number

SWPPP Prepared For:

Lost City Renewables LLC
421 West Main Street
Frankfort, KY 40601
Insert Telephone Number
Insert Fax/Email

SWPPP Prepared By:

Stantec Consulting Services Inc.
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SWPPP Preparation Date:

01/22/2025

Estimated Project Dates:

Project Start Date: Insert Date

Project Completion Date: Insert Date

Construction Stormwater Pollution Prevention Plan

For coverage under the Kentucky Pollution Discharge Elimination System (KPDES) No. KYR100000 "General Permit for Stormwater Discharges from Construction" ("KYR10"), 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. This template is to be used in conjunction with the following references (available from the Kentucky Division of Water website Erosion Prevention and Sediment Control Guide - Kentucky Energy and Environment Cabinet:

- KYR100000 Permit and Fact Sheet;
- Kentucky Erosion Prevention and Sediment Control Field Guide; and
- Kentucky Best Management Practices (BMPs) for Controlling Erosion, Sediment, and Pollution Runoff from Construction Sites.

This document has been developed from the United States Environmental Protection Agency (USEPA) SWPPP Template for the EPA's 2022 Construction General Permit ("CGP").

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SECTION 1: CONTACT INFORMATION/RESPONSIBLE PARTIES

1.1 Operator(s) / Subcontractor(s)

Instructions:

- 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. 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.
- Use the Subcontractor Agreements such as the type included in Appendix G of this SWPPP.

Operator(s):

Insert Company or Organization Name
Insert Name
Insert Address
Insert City, State, Zip Code
Insert Telephone Number
Insert Fax/Email
Insert area of control (if more than one operator at site)

[Repeat as necessary.]

Subcontractor(s):

Insert Company or Organization Name
Insert Name
Insert Address
Insert City, State, Zip Code
Insert Telephone Number
Insert Fax/Email
Insert area of control (if more than one operator at site)

[Repeat as necessary.]

Emergency 24-Hour Contact:

Insert Company or Organization Name
Insert Name
Insert Telephone Number

1.2 Stormwater Team

Instructions (see KYR10 Part 2.2.7 and 2.2.9):

- Identify the individuals (by name and position) that you have made part of the project's stormwater team, 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 and taking corrective actions as required in KYR10 Part 2.2.7.
- Each member of the stormwater team must have ready access to either an electronic or paper copy of applicable portions of the SWPPP.
- Each member of the stormwater team must understand the requirements of the KYR10 and their specific responsibilities with respect to those requirements, including the information in Part 2.2.7.
- To be considered a qualified person under Part 2.2.7 to conduct inspections, you must hold a current valid construction inspection certification or license from a program that, at a minimum, covers the following (e.g., KEPSC, CEPSC, CPSWQ, TNEPSC, CESSWI):
  - ✓ 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.
- Include documentation showing completion of trainings in Appendix I of this SWPPP.
- For projects that receive coverage under the KYR10 any personnel conducting site inspections pursuant to Part 2.2.7 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 KYR10 Part 2.2.7	I Have Read KYR10 and Understand the Applicable Requirements
Name: Position: Telephone No: Email:		☐ Yes ☐ No	☐ Yes Date:
Name: Position: Telephone No: Email:		☐ Yes ☐ No	☐ Yes Date:
Name: Position: Telephone No: Email:		☐ Yes ☐ No	☐ Yes Date:

[Insert or delete rows as necessary.]

Stormwater Team Members Who Conduct Inspections Pursuant to KYR10 2.2.7

Name and/or Position and Contact	Training(s) Received	Date Training(s) Completed	Training Satisfies the Minimum Elements of KYR10
Name: Position: Telephone No: Email:			☐ 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 KYR10 2.2.7
Name: Position: Telephone No: Email:			☐ 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 KYR10 2.2.7
Name: Position: Telephone No: Email:			☐ 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 KYR10 2.2.7

[Insert or delete rows as necessary.]

SECTION 2: SITE EVALUATION, ASSESSMENT, AND PLANNING

2.1 Project/Site Information

Instructions (see KYR10 Part 2.2.1):

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

Project Name and Address

Project/Site Name: Lost City Solar
Street/Location: 2239 KY-949
City: Dunmor
State: Kentucky
ZIP Code: 42339
County or Similar Government Division: Muhlenberg County

Project Latitude/Longitude

Latitude: 37.114606° N
(decimal degrees)

Longitude: 86.973170 ° W
(decimal degrees)

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:

2.2 Discharge Information

Instructions (see KYR10 Part 2.2.1):

- In this section, include information relating to your site's discharge. This information corresponds to the "Receiving Waters" 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. For assistance in identifying the receiving water to which you discharge, you may use the KDOW Map Viewer Tool.
- Specify whether any waters of the U.S. that you discharge to are listed as "impaired" as defined listed in the most recent KY Integrated Report. 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 impaired waters, visit the Integrated Reports website. For assistance in identifying any impaired waters or applicable TMDLs, you may use the KDOW Map Viewer Tool.
- Indicate whether any receiving water that you discharge to is designated as impaired for sediment and for which an approved sediment TMDL has been developed.
- List receiving waters categorized as High Quality Waters or Outstanding State Resource Water

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

For each point of discharge, provide a point of discharge ID (a unique 3-digit ID, e.g., 001, 002), 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, and the following receiving water information, if applicable:

Point of Discharge ID	Name of receiving water that receives stormwater discharge:	Is the receiving water impaired (on the KY 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:	High Quality Water?	Outstanding State Resource Water?
[001]	Unnamed Tributary to Rocky Creek	☐ Yes ☒ No		☐ Yes ☒ No			☐ Yes ☒ No	☐ Yes ☒ No
[002]	Unnamed Tributary to Rocky Creek	☐ Yes ☒ No		☐ Yes ☒ No			☐ Yes ☒ No	☐ Yes ☒ No
[003]	Unnamed Tributary to Rocky Creek	☐ Yes ☒ No		☐ Yes ☒ No			☐ Yes ☒ No	☐ Yes ☒ No
		☐ Yes ☐ No		☐ Yes ☐ No			☐ Yes ☐ No	☐ Yes ☐ No
		☐ Yes ☐ No		☐ Yes ☐ No			☐ Yes ☐ No	☐ Yes ☐ No
		☐ Yes ☐ No		☐ Yes ☐ No			☐ Yes ☐ No	☐ Yes ☐ No

[Include additional rows or delete as necessary.]

2.3 Nature of the Construction Activities

Instructions (see KYR10 2.2.4):

- 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.

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:

Construction of Solar farm including but not limited to:

- Clearing, grubbing, and removal of vegetation
- Removal and stockpiling of topsoil
- Mass grading
- Solar panel installation
- Finish grading
- Site restoration

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:

Business days and hours for the project:

Size of Construction Site

Size of Property	1413 Acres
Total Area Expected to be Disturbed by Construction Activities	1413 Acres
Maximum Area Expected to be Disturbed at Any One Time, Including On-site and Off-site Construction Support Areas	Insert Acreage

[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)
Concrete Pouring	Cement, turbid runoff
Site Restoration	Fertilizer
General Construction	Non-hazardous wastes

[Include additional rows or delete as necessary.]

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):

Insert Description of Construction Support Activity

Construction Support Activities *(only provide if applicable)*

Contact information for construction support activity:
Insert Name
Insert Telephone No.
Insert Email
Insert Address And/Or Latitude/Longitude

[Repeat as necessary.]

2.4 Sequence and Estimated Dates of Construction Activities

Instructions (see KYR10 Part 2.2.4):

- 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 2.4; 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 2.2.4 (installation/sequencing of stormwater controls); and
  - ✓ Parts 2.4 (stabilization deadlines).

Phase I – Site Clearing

Description: Clear, grub, strip and stockpile topsoil	
Estimated Start Date of Construction Activities for this Phase	Date:
Estimated End Date of Construction Activities for this Phase	Date:
Estimated Date(s) of Application of Stabilization Measures for Areas of the Site Required to be Stabilized	Date:
Estimated Date(s) when Stormwater Controls will be Removed	Date:

Phase II – Mass Grading

Description: Site cut/fill earthwork balance	
Estimated Start Date of Construction Activities for this Phase	Date:
Estimated End Date of Construction Activities for this Phase	Date:
Estimated Date(s) of Application of Stabilization Measures for Areas of the Site Required to be Stabilized	Date:
Estimated Date(s) when Stormwater Controls will be Removed	Date:

Phase III – Solar Panel Installation

Description: Install foundations, construct panels, conduit, inverters, and other equipment.	
Estimated Start Date of Construction Activities for this Phase	Date:
Estimated End Date of Construction Activities for this Phase	Date:
Estimated Date(s) of Application of Stabilization Measures for Areas of the Site Required to be Stabilized	Date:
Estimated Date(s) when Stormwater Controls will be Removed	Date:

Phase IV – Site Restoration

Description: Restore site with permanent vegetation, access roadways, and other permanent site features.	
Estimated Start Date of Construction Activities for this Phase	Date:
Estimated End Date of Construction Activities for this Phase	Date:
Estimated Date(s) of Application of Stabilization Measures for Areas of the Site Required to be Stabilized	Date:
Estimated Date(s) when Stormwater Controls will be Removed	Date:

[Repeat as needed.]

2.5 Authorized Non-Stormwater Discharges

Instructions (see KYR10 Parts 2.2.6):

- Identify all authorized non-stormwater discharges, including:
  - ✓ 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.

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
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.)

2.6 Site Maps

Instructions (see KYR10 Part 2.2.2):

- Attach site maps in Appendix A. 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;
  - ✓ 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.
- 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.
- 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.
- Locations of all potential pollutant-generating activities: you should have those identified in Section 2.3 (Nature of the Construction Activities) in this SWPPP.
- Designated areas where construction wastes 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: EROSION AND SEDIMENT CONTROLS AND DEWATERING PRACTICES

General Instructions (See KYR10 Parts 2.2.4):

- Describe the erosion and sediment controls that will be implemented at your site.
- 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.

3.1 Natural Buffers or Equivalent Sediment Controls

Instructions (see KYR10 Part 2.5):

This section only applies to you if discharge to a receiving water is located within 25 feet (50 feet for sensitive or sediment impaired waters) of your site's earth disturbances.

Minimum Buffer Compliance

Are there any receiving waters within 25 feet of your project's earth disturbances? ☒ YES ☐ NO

(Note: If no, no further documentation is required for Section 3.1 in the SWPPP, continue to Section 3.2.)

Check the compliance alternative that you have chosen:

☒ (i) I will provide and maintain a 25-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.)

☐ (ii) It is infeasible to provide and maintain an undisturbed natural buffer of any size, therefore I will implement erosion and sediment controls described in the following.

Describe controls here.

Enhanced Buffer Compliance

Are there any receiving waters designated as Coldwater Aquatic Habitat, Outstanding State Resource Water, Outstanding National Resource Water, or Exceptional within 50 feet of your project's earth disturbances?

☐ YES ☒ NO

Are there any receiving waters listed as impaired by sediment in the most recent Integrated Report? And an approved TMDL has not been developed for pollutants of concern that may be discharged from the facility?

☐ YES ☒ NO

(Note: If no, no further documentation is required for Section 3.1 in the SWPPP, continue to Section 3.2.)

3.2 Perimeter Controls

Instructions:

- 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.

Specific Perimeter Controls

Silt Fence	
Description: Per KYTC Standard Drawing No. RDX-210-03 and No. RDX-215-01	
Installation	Date:
Maintenance Requirements	Remove sediment before it has accumulated to one-half of the above-ground height of any perimeter control. After a storm event, if there is evidence of stormwater circumventing or undercutting the perimeter control, extend controls and/or repair undercut areas to fix the problem.
Design Specifications	KYTC Standard Specifications

3.3 Sediment Track-Out

Instructions:

- 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.

Specific Track-Out Controls

Stabilized Construction Entrance	
Description: Coarse aggregate construction entrance per Project Drawings	
Installation	Date:
Maintenance Requirements	Where sediment has been tracked-out from your site onto paved roads, sidewalks, or other paved areas outside of your site, remove the deposited sediment by the end of the same business day in which the track-out occurs or by the end of the next business day if track-out occurs on a non-business day. Remove the track-out by sweeping, shoveling, or vacuuming these surfaces, or by using other similarly effective means of sediment removal. You are prohibited from hosing or sweeping tracked-out sediment into any constructed or natural site drainage feature, storm drain inlet, or receiving water.
Design Specifications	KYTC Standard Specifications

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

Instructions:

- 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.

Specific Stockpile Controls

Designated Stockpile Areas	
Description: Site Operator to mark stockpile areas an project drawings and install perimeter controls	
Installation	Date:

Designated Stockpile Areas	
Maintenance Requirements	You are prohibited from hosing down or sweeping soil or sediment accumulated on pavement or other impervious surfaces into any constructed or natural site drainage feature, storm drain inlet, or receiving water
Design Specifications	See "Perimeter Controls"

3.5 Minimize Dust

Instructions:

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

Specific Dust Controls

Dust Supression	
Description: Dust suppression watering (as needed)	
Installation	Date:
Maintenance Requirements	Periodic dust suppression watering as needed, especially during dry and windy conditions
Design Specifications	N/A

3.6 Minimize Steep Slope Disturbances

Instructions:

- Describe how you will minimize the disturbance to steep slopes.
- 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.

Specific Steep Slope Controls

Erosion Control Blanket/Turf Mat	
Description: Installation per KYTC Standard Drawing No. Sepia 22	
Installation	Date:
Maintenance Requirements	N/A – permanent installation
Design Specifications	KYTC Standard Specifications

3.7 Topsoil

Instructions:

- 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.

Specific Topsoil Controls

Topsoil Stockpiling	
Description: Strip and stockpile topsoil for preservation	
Installation	Date
Maintenance Requirements	Designate topsoil areas for stockpiling, stabilize with temporary seed and straw.
Design Specifications	KYTC Standard Specifications

3.8 Soil Compaction

Instructions:

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.

Specific Soil Compaction Controls

Pollinator Gardens	
Description: Landscaped pollinator gardens	
Installation	Date:
Maintenance Requirements	Prevent vehicle traffic over pollinator gardens shown in the project drawings.
Design Specifications	N/A

3.9 Storm Drain Inlets

Instructions:

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.

Specific Storm Drain Inlet Controls

KYTC Silt Trap Type C	
Description: Inlet protection per KYTC Standard Drawing No. Sepia 025	
Installation	Date:
Maintenance Requirements	Clean, or remove and replace, the inlet 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	KYTC Standard Specifications

3.10 Constructed Site Drainage Feature

Instructions:

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.

Specific Constructed Site Drainage Features

KYTC Silt Trap Type A	
Description: Silt trap per KYTC Standard Drawing No. RDX-220-05	
Installation	Date:
Maintenance Requirements	Remove sediment before it has accumulated to one-half of the above-ground height of any silt trap. Inspect after storm events and if there is evidence of stormwater circumventing or undercutting the silt trap, repair damaged areas to fix the problem.
Design Specifications	KYTC Standard Specifications

[Repeat as needed for individual constructed site drainage features.]

3.11 Sediment Basins or Similar Impoundments

Instructions:

If you will install a sediment basin or similar impoundment, include design specifications and other details (volume, dimensions, outlet structure) that will be implemented.

- Sediment basins must be situated outside of receiving waters and any natural buffers; and designed to avoid collecting water from wetlands.
- Provide storage based on applicable local jurisdictions. If no design guidance is available, utilize the Kentucky Best Management Practices (BMPs) for Controlling Erosion, Sediment, and Pollution Runoff from Construction Sites.
- 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.

Specific Sediment Basin Controls

Sediment Control Basin	
Description: Site-specific sediment control basin	
Installation	Date:
Maintenance Requirements	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	See appended information

3.12 Dewatering Practices

Instructions:

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.

- 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, provide velocity dissipation.

Specific Dewatering Practices

Excavation Dewatering	
Description: Dewatering from trenches, pits, and other excavations.	
Installation	Date:
Maintenance Requirements	For backwash water, either haul it away for disposal or return it to the beginning of the treatment process; replace and clean the filter media used in dewatering devices when the pressure differential equals or exceeds the manufacturer's specifications.
Design Specifications	N/A

3.13 Site Stabilization

Instructions:

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. 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.
- Once you begin construction, consider using the Grading/Stabilization Activities log in Appendix H to document your compliance with the stabilization requirements.

Total Amount of Land Disturbance Occurring at Any One Time

☐ *Five Acres or less*

☒ *More than Five Acres*

Temporary Vegetation	
☒ *Vegetative* ☐ *Non-Vegetative* ☒ *Temporary* ☐ *Permanent*	
Description: Stabilize non-permanent areas within 14 days following cessation of activities (e.g., soil stockpiles)	
Installation	Date:
Completion	Date:
Maintenance Requirements	Install temporary seed, fertilizer, and straw/mulch
Design Specifications	KYTC Standard Specifications

Permanent Vegetation	
☒ *Vegetative* ☐ *Non-Vegetative* ☐ *Temporary* ☒ *Permanent*	
Description: Stabilize areas where construction areas are completed within 14 days.	
Installation	Date:
Completion	Date:
Maintenance Requirements	Install permanent seed, fertilizer, and straw/mulch
Design Specifications	KYTC Standard Specifications

Permenant Vegetation – Construction Delays	
☒ *Vegetative* ☐ *Non-Vegetative* ☐ *Temporary* ☒ *Permanent*	
Description: When construction has been suspended due to unforeseen conditions, permanently stabilize disturbed areas ▪ Finish grade to stable slopes ▪ Install permanent seed, fertilizer, and straw/mulch	
Justification	Insert description of circumstances that prevent you from meeting permanet stabilization:

SECTION 4: POLLUTION PREVENTION CONTROLS

4.1 Potential Sources of Pollution

Instructions (see KYR Part 2.2.4):

- 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

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)

[Include additional rows as necessary.]

4.2 Spill Response

The permittee shall report any spills which may endanger health or the environment within twenty-four (24) hours from the time the permittee becomes award of the circumstances. A written submission shall also be provided within five (5) days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance. The following specific information must be provided:

- Any unanticipated bypass which exceeds any effluent limitation in the permit.
- Any upset which exceeds any effluent limitation in the permit.
- Violation of a maximum daily discharge limitation for any of the pollutants listed by the Director in the permit to be reported within twenty-four (24) hours.

Notification shall be given to the KDOW Madisonville Regional Office:

625 Hospital Dr.
Madisonville, KY 42431-1683
lindsey.bibbee@ky.gov
(270) 824-7529

Reports made other than normal business hours or in emergencies should be made through the emergency telephone number:
(800) 928-2380

4.3 Fueling and Maintenance of Equipment or Vehicles

Instructions:

- 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.)

Specific Pollution Prevention Practices

Vehicle Fueling	
Description: Refueling to be done with portable tanks (i.e., truck mounted tanks). No fuel, oils, greases, or other petroleum products to be stored in tanks, barrels, or other containers onsite. All onsite vehicles and equipment will be monitored for leaks and receive regular preventative maintenance to reduce the chance of leakage. If onsite fueling or maintenance must be performed, great care must be taken as to not spill any petroleum products.	
Implementation	Date:
Maintenance Requirements	Inspect temporary fueling containers for leaks before fueling.
Design Specifications	N/A

4.4 Washing of Equipment and Vehicles

Onsite washing of equipment and vehicles is not permitted.

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

Instructions:

For any of the types of building products, materials, and wastes in Sections 4.5.1-4.5.6 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.

4.5.1 Building Materials and Building Products

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

Specific Pollution Prevention Practices

Designated Stockpile Area	
Description: Store materials in stockpile areas with perimeter controls. Do not store materials directly on soil (i.e., utilize pallets). Cover stockpiles to prevent mobilization of pollutants with rainfall (e.g., tarpaulin placed over materials). Site Operator is to locate these areas and mark on the Project Drawings.	
Implementation	Date:
Maintenance Requirements	Maintain perimeter controls per 3.2 of this SWPPP
Design Specifications	N/A

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

Specific Pollution Prevention Practices

Designated Stockpile Area	
Description: Store materials in stockpile areas with perimeter controls. Do not store materials directly on soil (i.e., utilize pallets). Cover stockpiles to prevent mobilization of pollutants with rainfall (e.g., tarpaulin placed over materials). Site Operator is to locate these areas and mark on the Project Drawings.	
Implementation	Date:
Maintenance Requirements	Maintain perimeter controls per 3.2 of this SWPPP
Design Specifications	N/A

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

Onsite storage of petroleum products is not permitted. Mobile containers must be stored offsite.

4.5.4 Hazardous or Toxic Waste

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

Specific Pollution Prevention Practices

Designated Waste Area	
Description: Dispose in areas with perimeter controls. Do not dispose materials directly on soil (i.e., utilize appropriate waste containers). Cover wastes to prevent mobilization of pollutants with rainfall (e.g., container with lids or covers). Site Operator is to locate these areas and mark on the Project Drawings.	
Implementation	Date:
Maintenance Requirements	Maintain perimeter controls per 3.2 of this SWPPP. Inspect containers for leaks, rainfall intrusion, or other pathways to pollute stormwater
Design Specifications	N/A

4.5.5 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.)

Specific Pollution Prevention Practices

Designated Waste Area	
Description: Dispose in areas with perimeter controls. Do not dispose materials directly on soil (i.e., utilize appropriate waste containers). Cover wastes to prevent mobilization of pollutants with rainfall (e.g., container with lids or covers). Site Operator is to locate these areas and mark on the Project Drawings.	
Implementation	Date:
Maintenance Requirements	Maintain perimeter controls per 3.2 of this SWPPP. Inspect containers for leaks, rainfall intrusion, or other pathways to pollute stormwater
Design Specifications	N/A

4.5.6 Sanitary Waste

Specific Pollution Prevention Practices

Temporary Toilet	
Description: Site Operator to place temporary toilets. Do not place toilets within 50 feet of streams, wetlands, natural buffer areas, or other sensitive areas. Site Operator to mark location of temporary toilet on the Project Drawings	
Implementation	Date:
Maintenance Requirements	Perform cleaning/waste removal at regular intervals.
Design Specifications	N/A

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

Instructions:

Describe how you will wash applications and containers.

Specific Pollution Prevention Practices

Concrete Wash Out Structure	
Description: Install concrete wash out structure for capturing wash waters. Discharges from the wash out structure must be directed to one or more sediment removal BMPs.	
Implementation	Date:
Maintenance Requirements	Monitor weather and wind direction to ensure concrete dust is not entering stormwater drainage features and surface waters. Dewater concrete wash out through sediment traps or other types of sediment detention devices downstream of the wash out.
Design Specifications	Provide a minimum 6 cubic-feet containment volume for every 10 cubic-yards of concrete poured. See Project Drawings

4.7 Application of Fertilizers

Instructions:

Describe how you will apply fertilizers.

Specific Pollution Prevention Practices

Fertilizer Application	
Description: Apply fertilizer per manufacturer's recommendations. Do not over-apply.	
Implementation	Date:
Maintenance Requirements	N/A
Design Specifications	N/A

4.8 Other Pollution Prevention Practices

Instructions:

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

Not applicable.

SECTION 5: INSPECTION, MAINTENANCE, AND CORRECTIVE ACTION

5.1 Inspection Personnel and Procedures

Instructions (see KYR10 Parts 2.2.7):

Describe the procedures you will follow for maintaining your stormwater controls, conducting inspections, and, where necessary, taking corrective actions.

Site Inspection Schedule

Select the inspection frequency(ies) that applies.

(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 (N/A):

For areas of sites discharging to KY 303(d) listed or to waters designated at High Quality Water or Outstanding State Resource Water.

☐ 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 in any area of your site where the stabilization steps in 3.13 have been completed.
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
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: Date: ▪ Ending month of the seasonally dry period: 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: Date: ▪ Ending date of frozen conditions: 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: Date: ▪ Ending date of frozen conditions: Date:

Dewatering Inspection Schedule

Select the inspection frequency that applies.

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

Rain Gauge Location
Site Operator to locate rain gage for determining whether a rain event of 0.25 inches or greater has occurred. Place rain gage in a location easily accessed in highly traveled areas (e.g., near a construction trailer).

Inspection Report Forms
See Appendix D.

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

5.2 Corrective Action

Instructions:
Describe the procedures for taking corrective action in compliance with CGP Part 5.

Personnel Responsible for Corrective Actions
Site Operator to INSERT NAMES OF PERSONNEL OR TYPES OF PERSONNEL RESPONSIBLE FOR CORRECTIVE ACTIONS:

Corrective Action Logs
See Appendix E of this SWPPP

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

5.3 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.)

Duly Authorized Representative(s) or Position(s):
Company/Organization:
Name:
Title:
Address:
Telephone/Email:

SECTION 6: TURBIDITY BENCHMARK MONITORING FOR DEWATERING DISCHARGES

Instructions:

If you are required to comply with the 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 (Site Operator to include in Appendix N).

– 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

Procedures:

Collecting and evaluating samples	
Reporting results and keeping monitoring information records	
Taking corrective action when necessary	

Turbidity Meter:

Type of turbidity meter	

(Site Operator to provide turbidity meter manual in Appendix L.)

Coordinating Arrangements for Turbidity Monitoring (if applicable):

Permitted operator name	
Permitted operator NPDES ID	
Coordinating Arrangement	

Alternate turbidity benchmark (if applicable):

Alternate turbidity benchmark (NTU)	
Data and documentation used to request the alternate benchmark	

SECTION 7: CERTIFICATION AND NOTIFICATION

Instructions:

- The SWPPP should be signed and certified by the Engineer preparing the SWPPP and the construction operator(s).
- This certification must be re-signed in the event of a SWPPP Modification.

Engineer's Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations

Name: _____ Title: _____

Signature: _____ Date: _____

Construction Operator(s):

I certify under penalty of law that I have reviewed this document and all attachments. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that this NOI, if approved, makes the above-described construction activity subject to the KYR10 permit and that certain of my activities on-site are thereby regulated. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations and failure to comply with these permit requirements.

Name: _____ Title: _____

Signature: _____ Date: _____

[Repeat as needed for multiple construction operators at the site.]

SWPPP APPENDICES

Attach the following documentation to the SWPPP:

Appendix A – Site Maps

Appendix B – Copy of KYR10

Appendix C – NOI and KDOW Authorization Letter

Appendix D – Site Inspection Form and Dewatering Inspection Form (if applicable)

Appendix E – Corrective Action Log

Appendix F – SWPPP Amendment Log

Appendix G – Subcontractor Certifications/Agreements

Appendix H – Grading and Stabilization Activities Log

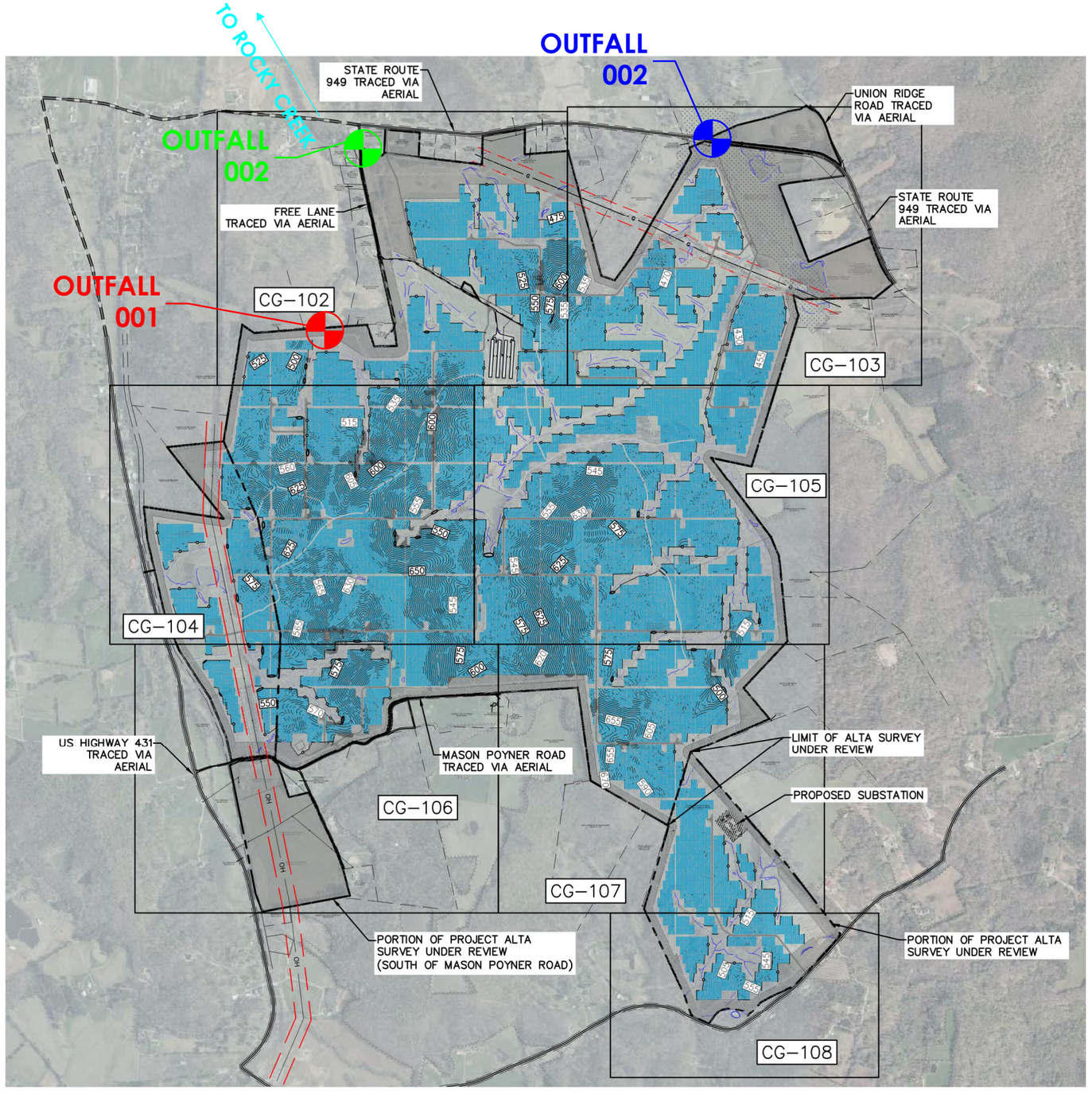
Appendix I – Training Documentation

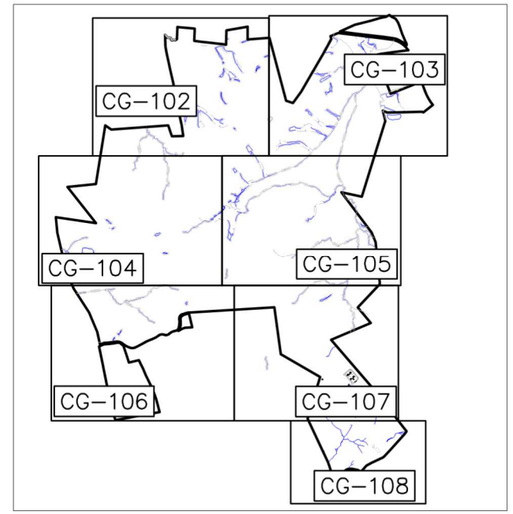
Appendix J – Delegation of Authority

Appendix K – Rainfall Gauge Recording

Appendix L – Turbidity Monitoring Sampling Documentation

Appendix A – Site Maps





KEY MAP

1"=2000' 0 2000' 3000' 4000'

LEGEND

EXISTING	PROPOSED
PROPERTY BOUNDARY LINE	PV ARRAYS AND INVERTERS BUILDABLE AREA
50' PROPERTY SETBACK LINE	PVCASE TRACKERS
JURISDICTIONAL WATERWAY	SUBSTATION
25' JURISDICTIONAL WATERWAY BUFFER	INVERTERS
150' OCCUPIED RESIDENCE SETBACK LINE	MV CABLES
FEMA REGULATED FLOODWAY	PROPOSED POLLINATOR AREA (APPROXIMATELY 3.7 ACRES)
EXISTING TREE LINE	SUBSTATION DC CABLES
FAMILY CEMETERY AREA	PROPOSED MAJOR CONTOUR
EXISTING GAS LINE	PROPOSED MINOR CONTOUR
EXISTING OVERHEAD POWER LINE	LIMITS OF DISTURBANCE
EXISTING MAJOR CONTOUR	DRAINAGE ARROW
EXISTING EASEMENT	SILT FENCE
	FENCE
	APPROXIMATE SILT TRAP
	ACCESS ROAD

N

REDUCED PRINT
50% SCALE

0 800' 1600'

PRELIMINARY NOT FOR CONSTRUCTION
01/22/2025

Kentucky811
Know what's below. 811 before you dig.

REV.	DESCRIPTION	DRAWN	CHKD	APPRVD	DATE
B	ISSUED FOR CLIENT REVIEW	RB	JH	JMG	1/22/2025
A	ISSUED FOR CLIENT REVIEW	RB	JH	JMG	1/17/2025

DRAWING REVISIONS

Stantec
Stantec Consulting Services Inc.
50 Derby Street Suite 260 Hingham, MA U.S.A. 02043
3052 Beaumont Centre Circle Lexington, KY U.S.A. 40513-1703
www.stantec.com

FILE NAME: 2057322000-CG-PLAN.dwg

COA #

SEAL

DRAWN:	CHECKED:	IND. REVIEW
RB	JH	DH
DESIGNED:	CHECKED:	APPROVED:
JH	JMG	JMG
PROJECT NO:		SCALE:
2057322000		1" = 800'

CLIENT/PROJECT:
LOST CITY RENEWABLES LLC
LOST CITY
MUHLENBERG COUNTY, KENTUCKY

TITLE:
LOST CITY SOLAR
OVERALL GRADING PLAN

SHT	DWG NO:	REV:
11 OF 20	2057322000-LC-CG-101	B

Appendix B – Copy of KYR10

KPDES

KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM

PERMIT

AUTHORIZATION TO DISCHARGE UNDER THE

KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM

PERMIT NO.: KYR100000

AGENCY INTEREST NO.: 35050

Pursuant to Authority in KRS 224,

Stormwater Discharges Associated with Construction Activities

are authorized to discharge from a facility located

Within any of the 120 counties of the Commonwealth of Kentucky

to receiving waters named

Those water bodies of the Commonwealth that comprise the Mississippi and Ohio River basins and sub-basins within the political and geographic boundaries of Kentucky

in accordance with effluent limitations, monitoring requirements and other conditions set forth in this permit.

This permit shall become effective on January 3, 2025.

This permit and the authorization to discharge shall expire at midnight, December 31, 2029.

Date Signed: January 2, 2025

Sarah Jon Gaddis, PG
Director, Division of Water

THIS KPDES PERMIT CONSISTS OF THE FOLLOWING SECTIONS.

1. COVERAGE 5
1.1. Eligibility 5
1.2. Exclusions 5
1.3. Permitting Action 5
2. PERMIT REQUIREMENTS 7
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SECTION 1

COVERAGE

1. COVERAGE

This permit covers both large and small sites with stormwater discharges associated with construction activities that meet the eligibility requirements of this permit. Construction and construction-related activities refer to the actual earth disturbing construction activities and those activities supporting the construction project such as construction materials or equipment storage, or equipment maintenance. Examples of supporting activities include, but are not limited to, fill piles, borrow areas, concrete truck washouts, fueling, measures used to control stormwater associated with construction activity, or other activities that generate industrial stormwater that is directly related to the construction process (e.g., concrete or asphalt batch plants).

1.1. Eligibility

This permit applies to stormwater discharges associated with construction activities at sites that have a disturbance of one (1) acre or more, including, in the case of a common plan of development, contiguous construction activities that cumulatively disturb one (1) acre or more. Non-contiguous construction activities (i.e., activities separated by at least 0.25 mile) that disturb one (1) acre or more shall be considered independent activities. This permit is also available for stormwater discharges from other construction activities, including those disturbing less than one acre, those designated by the Kentucky Division of Water (DOW) based on the potential for contribution to a violation of a water quality standard, or for those that involve a significant contribution of pollutants to waters of the Commonwealth.

1.2. Exclusions

The following are excluded from coverage under this general permit:

1) Any construction activity conducted at or on properties that have obtained an individual or general KPDES permit that requires the development and implementation of a Best Management Practices (BMP) plan;
2) Any operation that the DOW determines an individual permit would better address the discharges from that operation;
3) Any construction activity where external building washdown waters containing hazardous substances, such as paint or caulk containing polychlorinated biphenyls (PCBs) are discharged;
4) Any construction project that plans to use any treatment chemicals (polymers, flocculants, coagulants); and
5) Any project that discharges to an Impaired Water listed in the most recent Integrated Report, §305(b) as impaired for sediment and for which an approved sediment TMDL has been developed.

1.3. Permitting Action

This is a reissuance of a general KPDES permit to address stormwater runoff associated with construction activities.

This KYR100000 replaces all previous versions of KYR100000 issued by the DOW. The conditions and requirements contained herein supersede the conditions and requirements of all previous versions except for the extension of existing coverages as described within this permit.

Existing coverages are extended and remain in effect until two (2) years after the issuance date of the coverage. A new NOI-SWCA application requesting coverage under this renewal of the general permit will be required for projects requiring coverage beyond the extension outlined here. See Section 5.5 of the Fact Sheet for additional information.

SECTION 2

PERMIT REQUIREMENTS

2. PERMIT REQUIREMENTS

This section of the permit establishes the non-numeric requirements that are applicable to exposed areas associated with construction activity for all facilities authorized to discharge by this permit. The non-numeric requirements should minimize the discharge of pollutants resulting from precipitation events.

2.1. Notice of Permit Coverage

The permittee shall post signage or other notice of permit coverage at a safe, publicly accessible location in close proximity to the construction site. The notice must be located so that it is visible from the public road that is nearest the construction site. If the construction site is not visible from a public road, then the notice of permit coverage may be placed in a safe, publicly accessible location that is visible from the nearest public road and as close as possible to the construction site. This notice (signage) must include the KPDES Permit Number, contact name and phone number for obtaining additional construction site information such as a copy of the SWPPP. The signage must include information apprising the public on how to contact the DOW if stormwater pollution is observed in the discharge.

2.2. Stormwater Pollution Prevention Plan (SWPPP)

Each permittee shall develop a Stormwater Pollution Prevention Plan (SWPPP) and implement the SWPPP at the commencement of construction disturbance. All operators working on this project must comply with the SWPPP or obtain separate coverage under this permit. For KYTC projects, the Best Management Practices Plan shall serve as the SWPPP.

The SWPPP shall include erosion prevention measures, sediment control measures, and other site management practices necessary to prevent the discharge of sediment and other pollutants that would result in the degradation of waters of the Commonwealth. These erosion prevention and sediment control measures and other site management practices must be properly designed and selected based on site-specific conditions. The control measures and management practices must be installed and maintained to effectively minimize the discharge of pollutants for storm events up to and including a 2-year, 24-hour event. The discharges to waters of the Commonwealth shall not produce floating solids, visible foam or a visible sheen on the surface of receiving waters.

Permittees are encouraged to design the site, the erosion prevention measures, sediment control measures, and other site management practices to minimize post-construction stormwater runoff, including facilitating the use of low-impact technologies. Permittees shall minimize soil compaction and, unless infeasible, preserve topsoil except in specific site areas where the intended function dictates compaction or removal/disturbance of topsoil.

KYTC projects shall, at a minimum, utilize the most recent Kentucky Standards Specifications for Road and Bridge Construction published by the Transportation Cabinet, Department of Highways, as a means of establishing sediment control measures, erosion control measures, and other site management practices for this permit coverage.

The Stormwater Pollution Prevention Plan (SWPPP) shall contain the following:

1. A site description that identifies sources of pollution to stormwater discharges associated with construction activity on site; and
2. A description of the erosion prevention measures, sediment control measures, and other site management practices used at the site to prevent or reduce pollutants in stormwater discharges to ensure compliance with the terms and conditions of this permit. All stormwater controls shall be developed and implemented in accordance with sound practices and shall be developed specific to the site. The goal of these devices is 80% removal of Total Suspended Solids that exceed predevelopment levels. (For purposes of guidance/technical assistance, the reader is referred to

the Kentucky Erosion Prevention and Sediment Control Field Guide and the Kentucky Best Management Practices Technical Manual located on DOW's Stormwater Webpage at: https://eec.ky.gov/Environmental-Protection/Water/PermitCert/KPDES/Documents/SWPPPPermitPage.pdf.

3. For a common plan of development a comprehensive SWPPP shall be prepared that addresses all construction activities within the common plan of development. Each individual site operator shall be a signatory of the SWPPP and shall not conduct activities that are not consistent with the SWPPP or result in the failure or ineffectiveness of the sediment control measures, erosion control measures, and other site management practices. Otherwise, an operator not utilizing the SWPPP for the common plan of development shall seek coverage under this permit or an individual permit and develop a SWPPP for those separate activities.
4. The signature of the construction site operator or authorized representative who signed the Notice of Intent. This insures that the SWPPP was developed and/or reviewed by a responsible party with the ability to implement the BMPs and other commitments described in the SWPPP.

2.2.1. Site Description

The SWPPP shall be based on an accurate assessment of the potential for generating and discharging pollutants from the site. Hence, this permit requires a description of the site and intended construction activities in the SWPPP in order to provide a better understanding of the characteristics of the site runoff. At a minimum, the SWPPP shall describe the nature of the construction activity, including:

1. The function of the project (e.g., box store, strip mall, shopping mall, school, electrical transmission line, oil or natural gas pipeline, factory, industrial park, residential development, transportation construction, grading and clearing, etc.);
2. The intended significant activities, presented sequentially, that will disturb soil over major portions of the site (e.g., grubbing, excavation, grading);
3. Estimates of the total area of the site and the total area of the site that is expected to be disturbed by excavation, grading or other activities, including off-site borrow/fill areas; and
4. Identify the receiving water(s) and describe the water quality classification of the receiving water(s).

2.2.2. Site Map

The SWPPP shall contain a legible site map of sufficient scale to depict the following:

1. Property boundary of the project. If subdivided, show all lots and indicate on which lots construction activities will occur;
2. Anticipated drainage patterns and slopes after major grading activities including impervious structures;
3. Areas of soil disturbance and areas that will not be disturbed including fill and borrow areas;
4. Locations and types of sediment control measures, erosion control measures, planned stabilization measures, and other site management practices;
5. Locations of waters of the Commonwealth, including wetlands, and riparian zones;
6. Locations of karst features such as sinkholes, springs, etc.;
7. Locations of discharge points;
8. Locations of equipment storage areas, materials storage areas including but not limited to top soil, fuels, fertilizers, herbicides, etc.;
9. Location of concrete wash out areas, waste management areas;

10. Area of site egress;
11. If applicable, locations where final stabilization has been accomplished and no further construction-phase permit requirements apply; and
12. Other major features and potential pollutant sources.

For KYTC projects which have Roadway Plans, locations of BMPs may be recorded and documented as the BMPs are installed.

2.2.3. Other Industrial Activities

The SWPPP shall provide a description and KPDES permit number, if applicable, of any discharge associated with industrial activity other than construction (including stormwater discharges from dedicated asphalt plants, concrete plants, etc.) and the location of that activity on the construction site.

2.2.4. Documentation of Stormwater Controls to Reduce Pollutants

The SWPPP shall include:

1. Documentation of the erosion prevention measures, sediment control measures, and other site management practices designed to site-specific conditions that will be implemented to reduce the pollutants in stormwater discharges from the site and assure compliance with the conditions of the permit. The design, installation, and maintenance of erosion and sediment controls must address factors such as the amount, frequency, intensity and duration of precipitation, the nature of resulting stormwater runoff, and soil characteristics, including the range of soil particle sizes expected to be present on site.
2. Provisions that stabilization be employed as soon as practicable, but not longer than allowed in Section 2.4 of this permit, in critical areas. Erosion prevention measures, sediment control measures, and other site management practices shall be properly selected based on site-specific conditions and installed and maintained in accordance with sound sediment controls, erosion prevention, or other site management practices and relevant manufacturers' specifications.
3. A selection of erosion control measures based on site-specific conditions (e.g., topography, soil types). The SWPPP shall include a description of the general location of, and how and where the following erosion controls measures will be implemented:
    a. The plan to minimize disturbance and the period of time the disturbed area is exposed without stabilization practices, including:
        i. Minimizing the overall area of disturbed acreage;
        ii. Phasing construction so that only a portion of the site is disturbed at any one time; or
        iii. Scheduling clearing and grading events to reduce the probability that bare soils will be exposed to rainfall.
    b. Managing stormwater flows on the site to avoid stormwater contact with disturbed areas through use of:
        i. Diversion berms;
        ii. Conveyance channels;
        iii. Vegetated buffers;
        iv. Slope drains; or
        v. Other adequately protective practices.
    c. Using energy dissipation approaches to prevent high velocity runoff and concentrated flows that are erosive, by:

i. Use of vegetated filter strips; or
ii. Other adequately protective practices.

d. The practices to be used to minimize exposure of bare soils by covering and stabilization, including:
   i. Vegetative stabilization with annual grasses or other plants;
   ii. Geotextiles;
   iii. Straw;
   iv. Rolled erosion control mats;
   v. Mulch; or
   vi. Other adequately protective practices.

4. Sediment control measures are used to control and trap sediment that is entrained in stormwater runoff. The SWPPP shall include a description of how and where the following sediment control measures will be implemented:
   a. Sediment Barriers
      i. Silt fences constructed with filter fabric;
      ii. Fiber rolls; or
      iii. Other adequately protective practices
   b. Slope Protection
      i. Tread tracking;
      ii. Erosion blankets;
      iii. Mulching; or
      iv. Other adequately protective practices
   c. Conduit/Ditch Protection
      i. Inlet protection;
      ii. Outlet protection;
      iii. Other adequately protective practices
   d. Stabilizing Drainage Ditches
      i. Check dams;
      ii. Lining deep ditches; or
      iii. Other protective equivalent practices
   e. Sediment trapping devices used to settle out sediment eroded from disturbed areas, including:
      i. Sediment traps;
      ii. Basins (unless infeasible, discharges from basins and impoundments must utilize outlet structures that withdraw water from the surface); or
      iii. Any performance enhancement practices that will be used, such as:
         1. Baffles;
         2. Skimmers;
         3. Electro coagulation;
         4. Filtration; or
         5. Other adequately protective practices; or
      iv. Other adequately protective practices.
   f. Perimeter controls, such as:
      i. Silt fences;
      ii. Berms;
      iii. Swales; or
      iv. Other adequately protective practices.

5. Other Construction and Development Site Management Practices and Construction activities that generate a variety of wastes and wastewater, including concrete truck rinsate, municipal solid waste, trash, and other pollutants.
    a. Construction materials shall be handled, stored, maintained, and disposed of properly to avoid contamination of runoff to the maximum extent practicable and as noted below.
    b. The SWPPP shall describe which practices will be implemented to manage Construction and Development Site wastes and prevent or minimize discharges to surface water, including:
        i. Protecting construction materials, chemicals, and lubricants from exposure to rainfall;
        ii. Preventing litter, construction debris, and construction chemicals from entering receiving water;
        iii. Minimize the discharge of pollutants from equipment and vehicle washing, wheel wash water, and other wash waters. Wash waters must be treated in a sediment basin or alternative control that provides equivalent or better treatment prior to discharge. Soaps or solvents used in vehicle washing are prohibited;
        iv. Limiting exposure of freshly placed concrete to rainfall that results in runoff;
        v. Segregating stormwaters and other wastewaters from fuels, lubricants, sanitary wastes, and other chemicals such as pesticides, herbicides, and fertilizers to prevent runoff being contaminated. Discharges of fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance are prohibited;
        vi. Neat and orderly storage of chemicals, pesticides, herbicides, fertilizers and fuels that are being stored on the site;
        vii. Prompt collection and management of trash and sanitary waste which includes maintaining waste container lids closed when not in use and at the end of the business day for those containers that are actively used throughout the day, or, for waste containers that do not have lids, provide either (1) cover (e.g., a tarp, plastic sheeting, temporary roof) to minimize exposure of wastes to precipitation, or (2) a similarly effective means designed to minimize the discharge of pollutants (e.g., secondary containment);
        viii. Prompt cleanup of spills of liquids and solid materials that could pose a pollutant risk and implement a chemical spill and leak prevention and response procedure;
        ix. Regular removal of accumulations of sediment to minimize the potential for discharge; and
        x. Wastewater from washout of concrete is prohibited, unless managed by an appropriate control (i.e., develop safe concrete disposal area for removal off-site, etc.);
        xi. Wastewater from washout and cleanout of stucco, paint, form release oils, and curing compounds are prohibited; or
        xii. Other adequately protective practices.
6. A description of all intended protective practices substituting for those practices required by the permit and a demonstration that the substitute practices are adequately protective, including how the substitute practices implement acceptable mitigation measures.
7. A description of the intended sequence of major stormwater controls and an implementation schedule in relation to the construction process.
8. A description of interim and permanent stabilization practices (to comply with the requirements of Section 2.4 of this permit), including a schedule of their implementation.
9. The proposed location(s) of off-site equipment storage, material storage, waste storage and

borrow/fill areas.

10. A proposed construction schedule as a means for the operator(s) and KDOW to determine applicability and implementation status of SWPPP requirements.
11. An explanation of practices employed to reduce pollutants from construction-related materials that are stored on site, including:
    a. A description of said construction materials (with updates as appropriate);
    b. A description of pollutant sources from areas untouched by construction; and
    c. A description of stormwater controls that will be implemented in those areas.
12. Provisions for construction dewatering controls to minimize the discharge of pollutants, such as:
    a. Routing dewatering water through a sediment control designed to prevent discharges with visual turbidity;
    b. To the extent feasible, using well-vegetated (e.g. grassy or wooded), upland areas of the site to infiltrate dewatering water before discharge;
    c. Using an oil-water separator or suitable filtration device designed to remove oil, grease, or other products if dewatering water is found to or expected to contain these materials; or
    d. Other adequately protective measures.

2.2.5. Maintenance of Stormwater Controls

Erosion prevention measures, sediment control measures, and other site management practices must be maintained in an effective, operating condition. The permittee shall develop a schedule of maintenance activities to ensure the proper function of these devices. The EPA recommends that sediment control devices be maintained at below 1/2 capacity to allow for sediment capture.

If site inspections identify sediment control measures, erosion control measures, and other site management practices that are not operating effectively or otherwise require maintenance, maintenance shall be performed, before the next storm event. If maintenance before the next storm event is impracticable, the required maintenance shall be completed as soon as possible.

2.2.6. Non-Stormwater Discharge Management

The SWPPP shall identify appropriate pollution prevention measures for each of the following eligible non-stormwater wastestreams. The non-stormwater waste streams authorized under this permit include:

1. Discharges from emergency fire-fighting activities;
2. Fire hydrant flushing if accompanied by temporal or chemical de-chlorination;
3. Waters used for vehicle washing where detergents are not used;
4. Water used for dust control;
5. Potable water including uncontaminated water-line flushing;
6. External building wash down, provided soaps, solvents, and detergents are not used, and external surfaces do not contain hazardous substances;
7. Pavement wash waters where spills or leaks or toxic or hazardous materials have not occurred (unless all spilled material has been removed) and where detergents are not used;
8. Landscape irrigation;
9. Clean, non-turbid water-well discharges of groundwater;
10. Construction dewatering (including discharges from dewatering of trenches and excavations) provided it is managed by appropriate controls and the requirements of this permit are met; and

11. Uncontaminated air conditioning or compressor condensate.

2.2.7. Inspections – Permittee Conducted

1. Permittees shall provide for regular inspections of the site. For purposes of this part, DOW defines "regularly" to mean either
    a. At least once every seven (7) calendar days, or
    b. At least once every fourteen (14) calendar days, and within 24 hours after any storm event of 0.5 inch or greater. (DOW recommends that the permit holder perform a "walk through" inspection of the construction site before anticipated storm events.)
2. For areas of the site that have undergone temporary or final stabilization, inspections shall be conducted at least once a month until final stabilization is achieved and the coverage is terminated.
3. Inspections shall be performed by personnel knowledgeable and skilled in assessing conditions at the construction site that could impact stormwater quality and assessing the effectiveness of erosion prevention measures, sediment control measures, and other site management practices chosen to control the quality of the stormwater discharges. Personnel conducting inspections shall have training in stormwater construction management such as KEPSC, CEPSC, CPSWQ, TNEPSC, CESSWI, or other similar training.
4. Personnel conducting inspections shall conduct visual inspections to determine:
    a. Whether erosion prevention measures, sediment control measures, and other site management practices are:
        i. properly installed;
        ii. properly maintained;
        iii. effective in minimizing discharges to the receiving water; and
    b. Whether excessive pollutants are entering the drainage system.
5. Visual inspections shall comprise, at a minimum:
    a. Erosion prevention measures;
    b. Sediment control measures;
    c. Other site management practices and points of site egress;
    d. Disturbed areas;
    e. Areas used for storage of materials exposed to precipitation;
    f. Discharge points shall be inspected to ascertain whether erosion prevention measures, sediment control measures, other site management practices and points of site egress are effective in preventing impacts to waters of the Commonwealth. This can be done by inspecting the receiving water bodies for evidence of new erosion and/or the introduction of newly deposited sediment or other pollutants; and
    g. If discharge points are inaccessible, then nearby downstream locations shall be inspected.
    h. For linear construction activities (e.g., utility line installation, pipeline construction), representative inspections are acceptable. This permit allows for inspection of the project 0.25 miles above and below each point where a roadway, undisturbed right-of-way, or other similar feature intersects the construction site and allows access to the construction site.
6. Inspection reports shall be prepared for each inspection and shall be retained with the SWPPP. Inspection reports should include:

a. The date and time of inspection;
b. The name and title of the personnel conducting the inspection;
c. A synopsis of weather information for the period since the last inspection (or since commencement of construction activity of the initial inspection performed) including a best estimate of the beginning of each storm event, the duration of each storm event, and the approximate amount of rainfall for each storm event (in inches);
d. Weather conditions and a description of any discharges occurring at the time of the inspection;
e. Location(s) of discharges of sediment or other pollutants from the site;
f. Location(s) of sediment control measures, erosion control measures, or other site management practices that require maintenance;
g. Location(s) of any erosion prevention measures, sediment control measures, or other site management practices that failed to operate as designed or proved inadequate for a particular location;
h. Location(s) where additional erosion prevention measures, sediment control measures, or other site management practices are needed that did not exist at the time of the inspection;
i. Identify any actions taken in response to inspection findings; and
j. Identify any incidents of non-compliance with the SWPPP.
k. If no incidents of non-compliance with the SWPPP were identified, the report shall contain a certification that the site is in compliance with the SWPPP.
l. The inspection report shall be signed in accordance with the signatory requirements in 401 KAR 5:060, Section 4.

2.2.8. Maintaining an Updated Plan

1. Stormwater Pollution Prevention Plans (SWPPPs) shall be revised whenever erosion prevention measures, sediment control measures, or other site management practices are significantly modified in response to a change in design, construction method, operation, maintenance procedure, etc., that may cause a significant effect on the discharge of pollutants to receiving waters or municipal separate storm sewer systems.
2. For KYTC projects, the BMP Plan shall be revised whenever erosion prevention measures, sediment control measures, or other site management practices are modified in response to a change in design, construction method, operation, maintenance procedure, etc., that may cause a significant effect on the discharge of pollutants to receiving waters or municipal separate storm sewer systems. The location of BMPs shall be documented in the daily work report for the highway construction project.
3. The SWPPP shall be amended if inspections or investigations by site staff or by local, state, or federal officials determine that the existing sediment control measures, erosion control measures, or other site management practices are ineffective in eliminating or significantly minimizing pollutants in stormwater discharges from the construction site.
4. If an inspection reveals design inadequacies, the site description and sediment control measures, erosion control measures, or other site management practices identified in the SWPPP shall be revised.
5. All necessary modifications to the SWPPP shall be made within seven (7) calendar days following the inspection unless granted an extension of time by DOW.

6. If existing sediment control measures, erosion control measures, or other site management practices need to be modified or if additional sediment control measures, erosion control measures, or other site management practices are necessary, implementation shall be completed before the next storm event whenever practicable. If implementation before the next storm event is impracticable, the situation should be documented in the SWPPP and the changes shall be implemented as soon as practicable.

2.2.9. Signature, Plan Review, and Making Records Available

1. The SWPPP shall be signed and certified by a person described in 401 KAR 5:060, Section 4 [40 CFR 122.22] or by a duly authorized representative of that person. A person is a duly authorized representative only if:
    a. The authorization is made in writing by a person described in 401 KAR 5:060, Section 4 [40 CFR 122.22];
    b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company; and
    c. The signed and dated written authorization is included in the SWPPP. A copy must be submitted to DOW, if requested.
2. For KYTC projects, the BMP Plan shall be signed and certified by a person described in 401 KAR 5:060, Section 4 [40 CFR 122.22] or by a duly authorized representative of that person. A person is a duly authorized representative only if:
    a. The authorization is made in writing by a person described in 401 KAR 5:060, Section 4 [40 CFR 122.22];
    b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company; and
    c. The signed and dated written authorization is included in the BMP. A copy must be submitted to DOW, if requested.
3. A current copy of the SWPPP shall be readily available on the construction site from the date of project initiation to the date of Notice of Termination.
4. The person with day-to-day operational control over the plan's implementation shall keep a copy of the SWPPP readily available whenever on site (a central location accessible by all on-site operators is sufficient for sites that are part of a common plan of development).
5. If an on-site location is unavailable to store the SWPPP when no personnel are present, notice of the plan's location shall be posted near the main entrance at the construction site.
6. The permittee shall make the SWPPP available to DOW or its authorized representative for review and copying during on-site inspection.
7. The permittee shall make the SWPPP available, upon request, to the Environmental Protection Agency and other federal agencies or their contractor, and local governmental agencies and officials approving sediment and erosion plans, grading plans or stormwater management plans, including the operator of a MS4 receiving discharges from the site.
8. Inspection reports and SWPPPs may be prepared, signed, and kept electronically, rather than in paper form, if the records are: (a) in a format that can be read in a similar manner as a paper record; (b) legally dependable with no less evidentiary value than their paper equivalent; and (c)

immediately accessible to the inspector during an inspection to the same extent as a paper copy stored at the site would be, if the records were stored in paper form.

2.3. Minimize Size and Duration of Disturbance

The permittee shall at all times minimize disturbance and the period of time that the disturbed area is exposed without stabilization practices. In critical areas, erosion prevention measures such as erosion control mats/blankets, mulch, or straw blown in and stabilized with tackifiers or by treading, etc. shall be implemented on disturbed areas within 24 hours or as soon as practical after completion of disturbance/grading or following cessation of activities.

2.4. Stabilization Requirements

Temporary stabilization practices on those portions of the project where construction activities have temporarily ceased shall be initiated within fourteen (14) days of the date of activity cessation.

Final stabilization practices on those portions of the project where construction activities have permanently ceased shall be initiated within fourteen (14) days of the date of activity cessation.

Final stabilization shall be initiated on any site where construction activities have been suspended or have otherwise stopped for more than 180 days. In such cases final stabilization practices shall be implemented as soon as practical but not later than 14 days after the 180th day of suspended or stopped activities.

2.5. Buffer Zones

2.5.1. Minimum Buffer Zone

The minimum buffer zone applies to:

- Discharges to receiving waters categorized as High Quality Waters (except those designated an Outstanding State Resource Water)
- Impaired Waters that are impaired for non-sediment related impairment

Except as provided elsewhere in this section, permittees are required to maintain at least a 25-foot buffer zone between any disturbance and all edges of the receiving water as one of the means of providing adequate protection to receiving waters.

2.5.2. Enhanced Buffer Zone for Sensitive or Sediment-Related-Impaired Waters

The enhanced buffer zone applies to discharge to:

- Receiving waters designated as Coldwater Aquatic Habitat or Outstanding State Resource Water
- Receiving waters categorized as an Outstanding National Resource Water or Exceptional Water,
- Receiving waters that are listed in the most recently approved Integrated Water Quality 305(b) Report to Congress as an Impaired Water for which the impairment is sediment related and an approved TMDL has not been developed for pollutants of concern that may be discharged from the facility.

Permittees subject to an enhanced buffer zone must maintain at a minimum a 50-foot buffer zone between any disturbance and all edges of the receiving water as one of the means of providing adequate protection to receiving waters.

2.5.3. Alternatives to Minimum Buffer Zone

If the buffer zone between any disturbance and the edge of the receiving water on all edges of the water body cannot be maintained, adequately protective alternative practices may be employed. The SWPPP shall explain any alternative practices and how these practices are adequately protective. Such cases include but

are not limited to stream crossings and dredge and fill areas. In these cases, the permittee shall minimize disturbances in the buffer zones by using handheld or other low-impact equipment.

2.5.4. Use of Natural Buffers and Conditions

Unless infeasible, natural buffers should be provided and maintained around receiving waters, stormwater should be directed to vegetated areas, and infiltration of stormwater should be maximized to reduce pollutant discharges.

SECTION 3

NOTICE OF INTENT – STORMWATER CONSTRUCTION ACTIVITIES (NOI-SWCA) REQUIREMENTS

3. Notice of Intent (NOI-SWCA) Requirements

An electronic NOI-SWCA shall be submitted by all operators who seek authorization under this permit for the discharge of stormwater related to construction activity. If the project is part of a larger common plan of development, each operator is required to obtain coverage for each site, individually or collectively, unless a single operator is developing the entire project. Those persons or activities requiring an individual stormwater permit shall not use the NOI-SWCA. Those persons seeking an individual permit must use the KPDES program Form 1 and Form F. Forms are located at**:**

https://eec.ky.gov/Environmental-Protection/Water/PermitCert/KPDES/Pages/default.aspx

3.1. Contents

Form NOI-SWCA requires the following information:

1. Facility Operator Information
    a. Names of All Operators under this NOI
    b. Contact information for all operators, including:
        i. Mailing Address
        ii. Telephone Number
        iii. Status of Operators (federal, state, public, or private)
        iv. Contact Person's Name
    c. Contact Person's Email address
    d. Additional Operator Information for Co-Permittee, if applicable
2. Facility/Site Location Information
    a. Name of Project
    b. Physical Location/Address
    c. Site Latitude (decimal degrees)
    d. Site Longitude (decimal degrees)
    e. County
3. Site Activity Information
    a. Pre-development land use
    b. Type of Construction site as a project description
    c. If project will demolish 10,000 square feet or more of space built or renovated prior to January 1, 1980.
    d. For single projects provide following information:
        i. Total number of acres in project
        ii. Total number of acres to be disturbed
        iii. Anticipated start date
        iv. Anticipated completion date
    e. For common plan of development projects provide following information:
        v. Total number of acres in applicant's project
        vi. Total number of acres to be disturbed by applicant
        vii. Total number of lots (if applicable) in the common plan of development
        viii. Total number of lots (if applicable) that the applicant plans to develop
        ix. Total acreage that the applicant will disturb at one time
        x. Anticipated start date
        xi. Anticipated completion date
        xii. Contractors known at the time of application.

4. Information on the receiving water body and discharge points leading to the water body is required:

    a. Name of Receiving Water(s)
    b. Anticipated number of discharge points
    c. Location (Latitude and Longitude in decimal degrees) of anticipated discharge points

5. If the permitted site discharges within a regulated MS4 area, the following information is required:

    a. Name of regulated MS4
    b. Date of application or notification to the MS4 for construction site permit coverage

6. Construction activities in or along a water body

    Will the project require construction activities in a water body or the riparian zone?

    a. If yes, describe the scope of the activity including how many linear feet of water body and acres of riparian zone will be impacted?
    b. Is a Clean Water Act §404 permit (individual or nationwide) required?
    c. Is a Clean Water Act §401 Water Quality Certification? (Individual or general) required?

7. NOI Preparer Information

    a. Name of the person who completed the NOI
    b. Contact information of the person who completed the NOI, including:
        i. Mailing Address
        ii. Telephone Number
        iii. Email address

8. Attachments – Site Map

    A legible map of appropriate scale sufficient to clearly illustrate the following:

    a. Property boundary of the project including entrances;
    b. Areas to be disturbed;
    c. Location of anticipated discharge points; and
    d. Location of receiving waters.
    e. Label nearby roads

    For KYTC projects, the roadway plan shall substitute for the site map.

9. Certification

    The NOI-SWCA contains a certification that all information provided on the NOI and the attachments is correct and accurate. Following the certification is a signature block for the authorized agent, including the agent's name and title, telephone number and date. Note the signature requirements of the NOI-SWCA shall be consistent with the requirements of 401 KAR 5:060, Section 4 [40 CFR 122.22].

3.2. NOI Submission Requirements and Deadlines

Applicants shall use the electronic web based NOI submission system that allows the applicant to complete and submit the NOI-SWCA form online. Applicants can access this system at the following web address: https://dep.gateway.ky.gov/eForms/Home/Forms?FormId=48. The applicant shall complete and

submit the NOI-SWCA a minimum of (7) days before the proposed date for commencement of construction activities and shall receive authority to discharge as detailed in Section 3.3.

For ongoing projects, DOW will extend coverage for a period of two (2) years from the issuance date of the coverage. Projects that will not achieve final stabilization by this date must submit a new eNOI-SWCA application requesting coverage under this renewal of the general permit. Ongoing Projects include only those that obtained coverage under the KYR10 prior to December 1, 2024.

DOW will not process any NOI that is incomplete, inaccurate, or in an incorrect format.

3.3. Authorization to Discharge by Coverage Letter

Submittal of a Notice of Intent for permit coverage does not ensure authorization to discharge. Authorization for each operator to discharge under the terms of this general permit shall be effective upon the issuance of written notification of coverage by the DOW. DOW will provide this written notification electronically to the operator via the email address provided on the NOI-SWCA.

SECTION 4

STANDARD CONDITIONS

4. Standard Conditions

4.1. Duty to Comply

The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of KRS Chapter 224 and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. Any person who violates applicable statutes or who fails to perform any duty imposed, or who violates any determination, permit, administrative regulation, or order of the cabinet promulgated pursuant thereto shall be liable for a civil penalty as provided at KRS 224.99.010.

4.2. Duty to Reapply

If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and obtain authorization as required by the new permit once DOW issues it.

4.3. Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

4.4. Duty to Mitigate

The permittee shall take all reasonable steps to minimize or prevent any discharge or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

4.5. Proper Operation and Maintenance

The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit.

4.6. Permit Actions

This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

4.7. Property Rights

This permit does not convey any property rights of any sort, or any exclusive privilege.

4.8. Duty to Provide Information

The permittee shall furnish to the Director, within a reasonable time, any information which the Director may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. The permittee shall also furnish to the Director upon request, copies of records required to be kept by this permit.

4.9. Inspection and Entry

The permittee shall allow the Director or an authorized representative (including an authorized contractor acting as a representative of the Director), upon presentation of credentials and other documents as may be required by law, to:

1. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
4. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by KRS 224, any substances or parameters at any location.

4.10. Signatory Requirement

1. All applications, reports, or information submitted to the Director shall be signed and certified pursuant to 401 KAR 5:060, Section 4.
2. KRS 224.99-010 provides that any person who knowingly provides false information in any document filed or required to be maintained under KRS Chapter 224 shall be guilty of a Class D felony and upon conviction thereof, shall be punished by a fine not to exceed twenty-five thousand dollars ($25,000), or by imprisonment, or by fine and imprisonment, for each separate violation. Each day upon which a violation occurs shall constitute a separate violation.

4.11. Reporting Requirements

4.11.1. Planned Changes

The permittee shall give notice to the Director as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required only when:

1. The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in KRS 224.16-050;
2. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit, nor to notification requirements under KRS 224.16-050; or
3. The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.

4.11.2. Anticipated Noncompliance

The permittee shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

4.11.3. Transfers

This permit is not transferable to any person except after notice to the Director. The Director may require modification or revocation and reissuance of the permit to change the name of the permittee and incorporate such other requirements as may be necessary under KRS 224; see 401 KAR 5:050, Section 6; in some cases, modification or revocation and reissuance is mandatory.

4.11.4. Twenty-Four Hour Reporting

1. The permittee shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally within twenty-four (24) hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within five (5) days of the time the permittee becomes aware of the circumstances. The written

submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.

2. The following shall be included as information which must be reported within twenty-four (24) hours under this paragraph.
    a. Any unanticipated bypass which exceeds any effluent limitation in the permit.
    b. Any upset which exceeds any effluent limitation in the permit.
    c. Violation of a maximum daily discharge limitation for any of the pollutants listed by the Director in the permit to be reported within twenty-four (24) hours.
3. The Director may waive the written report on a case-by-case basis for reports under paragraph ii of this section if the oral report has been received within twenty-four (24) hours.
4. Notifying the Regional Field Office:
    a. Reporting shall be as required in paragraphs 1 through 3 of this subsection except if a spill or release of pollutants or contaminants, bypass, upset, or other event of non-compliance occurs that may present an imminent or substantial danger to the environment or the public health or welfare. The permittee shall immediately notify their local Regional Field Office as follows; Bowling Green (270) 746-7475; Columbia (270) 384-4734; Florence (859) 525-4923; Frankfort (502) 564-3358; Hazard (606) 435-6022; London (606) 330-2080; Louisville (502) 429-7122; Madisonville (270) 824-7529; Morehead (606) 783-8655; and Paducah (270) 898-8468.
    b. If a report required by this subsection is made during other than normal business hours, it shall be made through the twenty-four (24) hour environmental emergency telephone number at (800) 928-2380.
    c. The reporting requirements of this subsection does not relieve the permittee of reporting required under other laws, regulations, programs, or emergency response plans.

4.11.5. Other Information

Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Director, it shall promptly submit such facts or information.

SECTION 5

OTHER CONDITIONS

5. OTHER CONDITIONS

5.1. Authorization to Discharge

Authorization for each permittee to discharge under the terms of this general permit shall be effective upon the issuance of written notification of coverage by the DOW. Upon approval of coverage, DOW will provide written notification electronically to the operator via the email address provided on the NOI-SWCA.

5.2. Termination of Coverage

All existing coverages in effect on the effective date of this permit shall be terminated by DOW effective two (2) years after the issuance date of the coverage. The permittee shall submit a NOI-SWCA application requesting renewal of coverage under this renewal of the general permit if coverage is needed beyond this time frame.

When one or more of the following conditions have been met, operators shall submit a completed electronic Notice of Termination (NOT) to DOW:

1. Final stabilization has been achieved on all portions of the site for which the permittee is responsible;
2. Another permittee has assumed control over all areas of the site that have not been finally stabilized;
3. Coverage under an individual or other general KPDES permit, which covers the discharge, has been obtained.

For new projects that do not submit a Notice of Termination (NOT), termination of coverage occurs automatically two (2) years after authorization to discharge is granted unless the operator submits a new NOI-SWCA to extend or renew coverage.

5.3. In-Stream Treatment or Disposal Facilities

This permit does not authorize the construction or use of in-stream treatment or disposal facilities (sediment ponds, hollow fills, valley fills, etc.). Such authorization is within the jurisdiction of the U.S. Army Corps of Engineers and is implemented through the Clean Water Act §404 permitting program. A §404 permit action also requires the issuance of a Clean Water Act §401 Water Quality Certification by the Kentucky Division of Water. This certification shall be obtained on a site-specific basis as the U.S. Army Corps of Engineers §404 Nationwide permit does not provide automatic Clean Water Act §401 Water Quality Certification coverage for areas that impact more than 200 linear feet of stream or one (1) acre of wetlands. The conditions of the Clean Water Act §404 permit and the §401 Water Quality Certification shall be incorporated into the SWPPP.

5.4. Schedule of Compliance

For new projects, the covered facility must comply with the requirements of this permit by the date of authorization to discharge granted under the DOW's issuance of a coverage letter.

For ongoing projects, existing SWPPPs and BMPs shall be deemed in compliance with the requirements of this permit. However, should DOW take enforcement action regarding the failure of a SWPPP and/or BMPs to protect water quality, the permit holder may be required to make changes to the SWPPP and/or BMPs.

5.5. Reopener Clause

This permit shall be modified, or alternatively revoked and reissued, to comply with any applicable effluent standard or limitation issued or approved in accordance with 401 KAR 5:050 through 5:080, if the effluent standard or limitation so issued or approved:

1. Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
2. Controls any pollutant not limited in the permit.

The permit as modified or reissued under this paragraph shall also contain any other requirements of KRS Chapter 224 when applicable.

5.6. Retention of Records

The permit requires that all required records and reports be retained, including SWPPPs and information used to complete the NOI, for at least three (3) years from the termination of coverage or expiration of the permit.

5.7. Antidegradation

For those discharges subject to the provisions of 401 KAR 10:030, Section 1(3)(b)5, the permittee shall install, operate, and maintain buffer zones and stormwater controls consistent with those required by Section 2.4.

5.8. Continuation of Expiring Permit

In the event the permit expires prior to reissuance by DOW, the conditions and requirements of this version of KYR10 shall continue in effect until DOW reissues the permit. However, new or expanded coverages cannot be authorized until the permit is reissued.

5.9. Other Permits

This permit has been issued under the provisions of KRS Chapter 224 and regulations promulgated pursuant thereto. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits or licenses required by this Cabinet and other state, federal, and local agencies.

Appendix C – Copy of NOI and KDOW Authorization Letter

Appendix D – Copy of Site and Dewatering Inspection Forms

Project Name: _____
NPDES ID Number: _____

Section A – General Information (If necessary, complete additional inspection reports for each separate inspection location.)	
Inspector Information	
Inspector Name:	**Title:**
Company Name:	**Email:**
Address:	**Phone Number:**
Inspection Details	
Inspection Date:	**Inspection Location:**
Inspection Start Time:	**Inspection End Time:**
Current Phase of Construction:	**Weather Conditions During Inspection:**

Did you determine that any portion of your site was unsafe for inspection? ☐ Yes ☐ No

If "Yes," provide the following information:

Location of unsafe conditions:

The conditions that prevented you inspecting this location:

Indicate the required inspection frequency: (Check all that apply. You may be subject to different inspection frequencies in different areas of the site.)

Standard Frequency:

☐ At least once every 7 calendar days; **OR**

☐ Once every 14 calendar days *and* within 24 hours of the occurrence 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

Increased Frequency (If site discharges to sediment or nutrient-impaired waters or to waters designated as Cold Water Habitat or State Outstanding Resource):

☐ Once every 7 calendar days *and* within 24 hours of the occurrence 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

Reduced Frequency:

☐ 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

☐ For stabilized areas on "linear construction sites": Twice during first month, no more than 14 calendar days apart; then once more within 24 hours of the occurrence 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

☐ For arid, semi-arid, or drought-stricken areas during seasonally dry periods or during drought: Once per month and within 24 hours of the occurrence 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

☐ For frozen conditions where construction activities are being conducted: Once per month

Was this inspection triggered by a storm event producing 0.25 inches or more of rain within a 24-hour period? ☐ Yes ☐ No

If "Yes," how did you determine whether the storm produced 0.25 inches or more of rain?

☐ On-site rain gauge
☐ Weather station representative of site.
Weather station location:

Total rainfall amount that triggered the inspection (inches):

Was this inspection triggered by a snowmelt discharge from a storm event producing 3.25 inches or more of snow within a 24-hour period? ☐ Yes ☐ No

If "Yes," how did you determine whether the storm produced 3.25 inches or more of snow?

☐ On-site rain gauge
☐ Weather station representative of site.
Weather station location:

Total snowfall amount that triggered the inspection (inches):

Section B – Condition and Effectiveness of Erosion and Sediment (E&S) Controls (Insert additional rows if needed)					
Type and Location of E&S Control	**Conditions Requiring Routine Maintenance?[1]**	**If "Yes," How Many Times (Including This Occurrence) Has This Condition Been Identified?**	**Conditions Requiring Corrective Action?[2, 3]**	**Date on Which Condition First Observed (If Applicable)?**	**Description of Conditions Observed**
1.	☐ Yes ☐ No		☐ Yes ☐ No		
2.	☐ Yes ☐ No		☐ Yes ☐ No		
3.	☐ Yes ☐ No		☐ Yes ☐ No		
4.	☐ Yes ☐ No		☐ Yes ☐ No		
5.	☐ Yes ☐ No		☐ Yes ☐ No		
If the same routine maintenance was found to be necessary three or more times for the same control at the same location (including this occurrence), follow the corrective action requirements and record the required information in your corrective action log, or describe here why you believe the specific condition should still be addressed as routine maintenance:					

[1] Routine maintenance includes minor repairs or other upkeep performed to ensure that the site's stormwater controls remain in effective operating condition, not including significant repairs or the need to install a new or replacement control. Routine maintenance is also required for specific conditions: (1) for perimeter controls, whenever sediment has accumulated to half or more the above-ground height of the control; (2) where sediment has been tracked-out from the site onto paved roads, sidewalks, or other paved areas; (3) for inlet protection measures, when sediment accumulates, the filter becomes clogged, and/or performance is compromised; and (4) for sediment basins, as necessary to maintain at least half of the design capacity of the basin.

[2] Corrective actions are triggered only for specific conditions:

1. A stormwater control needs a significant repair or a new or replacement control is needed, or, you find it necessary to repeatedly (i.e., three (3) or more times) conduct the same routine maintenance fix to the same control at the same location; or
2. A stormwater control necessary to comply with the requirements of this permit was never installed, or was installed incorrectly; or
3. Your discharges are not meeting applicable water quality standards; or
4. A prohibited discharge has occurred; or
5. During the discharge from site dewatering activities:
   a. The weekly average of your turbidity monitoring results exceeds turbidity benchmarks; or
   b. You observe or you are informed by State or local authorities of non compliance.

[3] If a condition on your site requires a corrective action, you must also fill out a corrective action log provided as an Attachment to the SWPPP.

Section C – Condition and Effectiveness of Pollution Prevention (P2) Practices and Controls (Insert additional rows if needed)					
Type and Location of P2 Practices and Controls	**Conditions Requiring Routine Maintenance?[1]**	**If "Yes," How Many Times (Including This Occurrence) Has This Condition Been Identified?**	**Conditions Requiring Corrective Action?[2, 3]**	**Date on Which Condition First Observed (If Applicable)?**	**Description of Conditions Observed**
1.	☐ Yes ☐ No		☐ Yes ☐ No		
2.	☐ Yes ☐ No		☐ Yes ☐ No		
3.	☐ Yes ☐ No		☐ Yes ☐ No		
4.	☐ Yes ☐ No		☐ Yes ☐ No		
5.	☐ Yes ☐ No		☐ Yes ☐ No		
If the same routine maintenance was found to be necessary three or more times for the same control at the same location (including this occurrence), follow the corrective action requirements and record the required information in your corrective action log, or describe here why you believe the specific condition should still be addressed as routine maintenance:					

Section D – Stabilization of Exposed Soil (Insert additional rows if needed)					
Specific Location That Has Been or Will Be Stabilized	**Stabilization Method and Applicable Deadline**	**Stabilization Initiated?**	**Final Stabilization Criteria Met?**	**Final Stabilization Photos Taken?**	**Notes**
1.		☐ Yes ☐ No If "Yes," date initiated:	☐ Yes ☐ No If "Yes," date criteria met:	☐ Yes ☐ No	
2.		☐ Yes ☐ No If "Yes," date initiated:	☐ Yes ☐ No If "Yes," date criteria met:	☐ Yes ☐ No	
3.		☐ Yes ☐ No If "Yes," date initiated:	☐ Yes ☐ No If "Yes," date criteria met:	☐ Yes ☐ No	
4.		☐ Yes ☐ No If "Yes," date initiated:	☐ Yes ☐ No If "Yes," date criteria met:	☐ Yes ☐ No	
5.		☐ Yes ☐ No If "Yes," date initiated:	☐ Yes ☐ No If "Yes," date criteria met:	☐ Yes ☐ No	

Section E – Description of Discharges (Insert additional rows if needed)	
Was a discharge (not including dewatering) occurring from any part of your site at the time of the inspection?[4] ☐ Yes ☐ No **If "Yes," for each point of discharge, document the following:** • The visual quality of the discharge. • The characteristics of the discharge, including color; odor; floating, settled, or suspended solids; foam; oil sheen; and other indicators of stormwater pollutants. • Signs of the above pollutant characteristics that are visible from your site and attributable to your discharge in receiving waters or in other constructed or natural site drainage features.	
Discharge Location	**Observations**
1.	
2.	
3.	
4.	
5.	

[4] If a dewatering discharge was occurring, you must conduct a dewatering inspection pursuant and complete a separate dewatering inspection report, provided as an Attachment to the SWPPP.

Section F – Signature and Certification	
"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 contained therein. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information contained 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."	
MANDATORY: Signature of Operator or "Duly Authorized Representative:"	
Signature:	**Date:**
Printed Name:	**Affiliation:**
OPTIONAL: Signature of Contractor or Subcontractor	
Signature:	**Date:**
Printed Name:	**Affiliation:**

Instructions

- **Review the inspection requirements.** Before you start developing your inspection report form, read the KYR10 inspection requirements. This will ensure that you have a working understanding of the permit's underlying inspection requirements.
- **Complete all required blank fields.** Fill out all blank fields. Only by filling out all fields will the template be compliant with the requirements of the permit. (Note: Where you do not need the number of rows provided in the template form for your inspection, you may delete these or cross them off as you see fit. Or, if you need more space to document your findings, you may insert additional rows in the electronic version of this form or use the bottom of the page in the field version of this form.)
- **Use your site map to document inspection findings.** In several places in the template, you are directed to specify the location of certain features of your site, including where stormwater controls are installed and where you will be stabilizing exposed soil. You are also asked to fill in location information for unsafe conditions and the locations of any discharges occurring during your inspections. Where you are asked for location information, EPA encourages you to reference the point on your SWPPP site map that corresponds to the requested location on the inspection form. Using the site map as a tool in this way will help you conduct efficient inspections, will assist you in evaluating problems found, and will ensure proper documentation.
- **Complete the inspection report within 24 hours of completing a site inspection.**
- **Include the inspection form with your SWPPP.** Once your form is complete, make sure to include a copy of the inspection form in your SWPPP.
- **Retain copies of all inspection reports with your records.** You must also retain in your records copies of all inspection reports. These reports must be retained for at least 3 years from the date your permit coverage expires or is terminated.

Instructions for Section A

Inspector Name

Enter the name of the person that conducted the inspection. Include the person's contact information (title, affiliated company name, address, email, and phone number).

Inspection Date and Time

Enter the date you performed the inspection and the time you started and ended the inspection.

Weather Conditions During Inspection

Enter the weather conditions occurring during the inspection, e.g., sunny, overcast, light rain, heavy rain, snowing, icy, windy.

Current Phase of Construction

If this project is being completed in more than one phase, indicate which phase it is currently in.

Inspection Location

If your project has multiple locations where you conduct separate inspections, specify the location where this inspection is being conducted. If only one inspection is conducted for your entire project, enter "Entire Site." If necessary, complete additional inspection report forms for each separate inspection location.

Unsafe Conditions for Inspection

Inspections are not required where a portion of the site or the entire site is subject to unsafe conditions. These conditions should not regularly occur and should not be consistently present on a site. Generally, unsafe conditions are those that render the site (or a portion of it) inaccessible or that would pose a significant probability of injury to applicable personnel. Examples could include severe storm or flood conditions, high winds, and downed electrical wires.

If your site, or a portion of it, is affected by unsafe conditions during the time of your inspection, provide a description of the conditions that prevented you from conducting the inspection and what parts of the site were affected. If the entire site was considered unsafe, specify the location as "Entire Site."

Inspection Frequency
Check all the inspection frequencies that apply to your project. Note that you may be subject to different inspection frequencies in different areas of your site.

Inspection Triggered by a Storm Event
If you were required to conduct this inspection because of a storm event that produced 0.25 inches or more of rain within a 24-hour period, indicate whether you relied on an on-site rain gauge or a nearby weather station (and where the weather station is located). Also, specify the total amount of rainfall for this specific storm event.

If you were required to conduct this inspection because of a snowmelt discharge from a storm event that produced 3.25 inches or more of snow within a 24-hour period, then indicate whether you relied on an on-site measurement or a nearby weather station (and where the weather station is located). Also, specify the total amount of snowfall for this specific storm event.

Instructions for Section B

Type and Location of Erosion and Sediment (E&S) Controls
Provide a list of all erosion and sediment (E&S) controls that your SWPPP indicates will be installed and implemented at your site. This list must include at a minimum all E&S controls required by the SWPPP. Include also any natural buffers established by KRY10. Buffer requirements apply if your project's earth-disturbing activities will occur within 25 feet (minimum) of a discharge to receiving water. You may group your E&S controls on your form if you have several of the same type of controls (e.g., you may group "Inlet Protection Measures," "Perimeter Controls," and "Stockpile Controls" together on one line), but if there are any problems with a specific control, you must separately identify the location of the control, whether routine maintenance or corrective action is necessary, and in the notes section you must describe the specifics about the problem you observed.

Conditions Requiring Routine Maintenance?
Answer "Yes" if the E&S control requires routine maintenance as defined in footnote 1. Note that in many cases, "Yes" answers are expected and indicate a project with an active operation and maintenance program. You should also answer "Yes" if work to fix the problem is still ongoing from the previous inspection, though necessary work must be initiated immediately and completed by the end of the next business day or within seven calendar days.

If "Yes," How Many Times (Including this Occurrence) Has this Condition Been Identified?
Indicate how many times the routine maintenance has been required for the same control at the same location.

Conditions Requiring Corrective Action?
Answer "Yes" if you found any of the conditions listed in footnote 2 in this template to be present during your inspection. If you answer "Yes," you must take corrective action and complete a corrective action log, provided as an Attachment to the SWPPP. You should also answer "Yes" if work to fix the problem from a previous inspection is still ongoing, though the operator must comply with the corrective action deadlines.

Date on Which Condition First Observed (If Applicable)?
Provide the date on which the condition that triggered the need for routine maintenance or corrective action was first identified. If the condition was just discovered during this inspection, enter the inspection date. If the condition is a carryover from a previous inspection, enter the original date of the condition's discovery.

Description of Conditions Observed
For each E&S control and the area immediately surrounding it, describe whether the control is properly installed and whether it appears to be working to minimize sediment discharge. Indicate also whether a new or modified control is necessary to comply with the permit. Describe any problem condition(s) you observed such as the following:

1. Failure to install or to properly install a required E&S control
2. Damage or destruction to an E&S control caused by vehicles, equipment, or personnel, a storm event, or other event

3. Mud or sediment deposits found downslope from E&S controls, including in receiving waters, or on nearby streets, curbs, or open conveyance channels
4. Sediment tracked out onto paved areas by vehicles leaving construction site
5. Noticeable erosion or sedimentation at discharge outlets or at adjacent streambanks or channels
6. Erosion of the site's sloped areas (e.g., formation of rills or gullies)
7. E&S control is no longer working due to lack of maintenance
8. Other incidents of noncompliance

Describe also why you think the problem condition(s) occurred as well as actions (e.g., routine maintenance or corrective action) you will take or have taken to fix the problem.

For buffer areas, make note of whether they are marked off as required, whether there are signs of construction disturbance within the buffer, which is prohibited under the KYR10 Permit, and whether there are visible signs of erosion resulting from discharges through the area.

If routine maintenance or corrective action is required, briefly note the reason. If routine maintenance or corrective action has been completed, make a note of the date it was completed and what was done. *If corrective action is required, note that you will need to complete a separate corrective action log describing the condition and your work to fix the problem*.

Routine Maintenance Need Has Been Found to be Necessary Three (3) or More Times for the Same Control at the Same Location (Including this Occurrence)
If routine maintenance has been required three (3) or more times for the same control at the same location, the permit requires you to fix the problem using the corrective action procedures or to document why you believe the reoccurring problem can be addressed as a routine maintenance fix. If you believe the problem can continue to be fixed as routine maintenance, describe why you believe the specific condition should still be addressed as routine maintenance.

Instructions for Section C

Type and Location of Pollution Prevention (P2) Practices and Controls
Provide a list of all pollution prevention (P2) practices and controls that are implemented at your site. This list must include all P2 practices and controls required by the KYR10 permit and those that are described in your SWPPP.

Conditions Requiring Routine Maintenance?
Answer "Yes" if the P2 practice or control requires routine maintenance as defined in footnote 1of this template. Note that in many cases, "Yes" answers are expected and indicate a project with an active operation and maintenance program. You should also answer "Yes" if work to fix the problem is still ongoing from the previous inspection, though necessary work must be initiated immediately and completed by the end of the next business day or within seven calendar days if documented.

If "Yes," How Many Times (Including this Occurrence) Has this Condition Been Identified?
Indicate how many times the routine maintenance has been required for the same practice or control at the same location.

Conditions Requiring Corrective Action?
Answer "Yes" if you found any of the conditions listed in footnote 2 in this template to be present during your inspection. If you answer "Yes," you must take corrective action and complete a corrective action log, provided as an Attachment to the SWPPP. You should also answer "Yes" if work to fix the problem from a previous inspection is still ongoing, though the operator must comply with the corrective action deadlines in the KYR10 permit.

Date on Which Condition First Observed (If Applicable)?
Provide the date on which the condition that triggered the need for maintenance or corrective action was first identified. If the condition was just discovered during this inspection, enter the inspection date. If the condition is a carryover from a previous inspection, enter the original date of the condition's discovery.

Description of Conditions Observed

For each P2 control and the area immediately surrounding it, describe whether the control is properly installed, and whether it appears to be working to minimize or eliminate pollutant discharges. Indicate also whether a new or modified control is necessary to comply with the permit. Describe any problem condition(s) you observed such as the following:

1. Failure to install or to properly install a required P2 control
2. Damage or destruction to a P2 control caused by vehicles, equipment, or personnel, or a storm event
3. Evidence of a spill, leak, or other type of pollutant discharge, or failure to have properly cleaned up a previous spill, leak, or other type of pollutant discharge
4. Spill response supplies are absent, insufficient, or not where they are supposed to be located
5. Improper storage, handling, or disposal of chemicals, building materials or products, fuels, or wastes
6. P2 control is no longer working due to lack of maintenance
7. Other incidents of noncompliance

Describe also why you think the problem condition(s) occurred as well as actions (e.g., routine maintenance or corrective action) you will take or have taken to fix the problem.

If routine maintenance or corrective action is required, briefly note the reason. If routine maintenance or corrective action has been completed, make a note of the date it was completed and what was done. *If corrective action is required, note that you will need to complete a separate corrective action log describing the condition and your work to fix the problem*.

Routine Maintenance Need Was Found to be Necessary Three (3) or More Times for the Same Control at the Same Location (Including this Occurrence)

If routine maintenance has been required three (3) or more times for the same control at the same location, the permit requires you to fix the problem or to document why you believe the reoccurring problem can be addressed as a routine maintenance fix. If you believe the problem can continue to be fixed as routine maintenance, describe why you believe the specific condition should still be addressed as routine maintenance.

Instructions for Section D

Specific Location That Has Been or Will Be Stabilized

List all areas where soil stabilization is required to begin because construction work in that area has permanently stopped or temporarily stopped (i.e., work will stop for 14 or more days), and all areas where stabilization has been implemented.

Stabilization Method and Applicable Deadline

For each area, specify the method of stabilization (e.g., hydroseed, sod, planted vegetation, erosion control blanket, mulch, rock).

Specify also which of the following stabilization deadlines apply to this location:

1. 5 acres or less of land disturbance occurring at any one time at site: Complete no later than 14 calendar days after stabilization initiated.
2. More than 5 acres of land disturbance occurring at any one time at site: Complete no later than 7 calendar days after stabilization initiated.
3. Arid, semi-arid, and drought-stricken areas: See the KYR10 permit.
4. Unforeseen circumstances: See the KYR10 permit
5. Discharges to a sediment- or nutrient-impaired water or to a water identified for antidegradation purposes: Complete no later than 7 days after stabilization initiated.

Stabilization Initiated?
For each area, indicate whether stabilization has been initiated. If "Yes," then enter the date stabilization was initiated.

Final Stabilization Criteria Met?
For each area, indicate whether the final stabilization criteria have been met. If "Yes," then enter the date final stabilization criteria were met.

Final Stabilization Photos Taken?
Answer "Yes" if you have taken photos before and after meeting the stabilization criteria.

Notes
For each area where stabilization has been initiated, describe the progress that has been made and what additional actions are necessary to complete stabilization. Note the effectiveness of stabilization in preventing erosion. If stabilization has been initiated but not completed, make a note of the date it is to be completed. If stabilization has been completed, make a note of the date it was completed. If stabilization has not yet been initiated, make a note of the date it is to be initiated and the date it is to be completed.

Instructions for Section E

You are only required to complete this section if a discharge is occurring at the time of the inspection.

Was a discharge (not including dewatering) occurring from any part of your site at the time of the inspection?
During your inspection, examine all points of discharge from your site, and determine whether a discharge is occurring. If a dewatering discharge was occurring, you must conduct a dewatering inspection. If there is a discharge, answer "Yes" and complete the questions below regarding the specific discharge. If there is not a discharge, answer "No" and skip to the next page.

Discharge Location (Repeat as necessary if there are multiple points of discharge.)
Specify the location on your site where the discharge is occurring. The location may be an outlet from a stormwater control or constructed stormwater channel, a discharge into a storm sewer inlet, or a specific point on the site. Be as specific as possible; it is recommended that you refer to a precise point on your site map.

Observations
Document the visual quality of the discharge and take note of the characteristics of the stormwater discharge, including color; odor; floating, settled, or suspended solids; foam; oily sheen; and other indicators of stormwater pollutants. Also, document signs of these same pollutant characteristics that are visible from your site and attributable to your discharge in receiving waters or in other constructed or natural site drainage features.

Instructions for Section F

Each inspection report must be signed and certified to be considered complete.

Operator or "Duly Authorized Representative" – MANDATORY
At a minimum, the site inspection report must be signed by either (1) the person who signed the NOI, or (2) a duly authorized representative of that person. The following requirements apply:

If the signatory will be the person who signed the NOI for permit coverage, as a reminder, that person must be one of the following types of individuals:

- *For a corporation*: By a responsible corporate officer. For the purpose of this subsection, a responsible corporate officer means: (i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation, or (ii) the manager of one or more manufacturing, production, or operating facilities, provided, the manager is

authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

- *For a partnership or sole proprietorship*: By a general partner or the proprietor, respectively.
- *For a municipality, State, Federal, or other public agency*: By either a principal executive officer or ranking elected official. For purposes of this subsection, a principal executive officer of a Federal agency includes (i) the chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., KDOW Regional Office).

If the signatory will be a duly authorized representative, the following requirements must be met:

- The authorization is made in writing by the person who signed the NOI (see above);
- The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position); and
- The signed and dated written authorization is included in the SWPPP. A copy must be submitted to State or local regulators, if requested.

Sign, date and print your name and affiliation.

Contractor or Subcontractor - OPTIONAL

Where you rely on a contractor or subcontractor to complete the site inspection report, you should consider requiring the individual(s) to sign and certify each report. Note that this does not relieve you, the permitted operator, of the requirement to sign and certify the site inspection report as well. If applicable, sign, date, and print your name and affiliation.

Dewatering Inspection Report

Project Name: _____
KPDES Number: _____

Section A – Dewatering Discharges Complete this section within 24 hours of completing the inspection. (If necessary, complete additional inspection reports for each separate inspection location.)	
Inspector Information	
Inspector Name:	**Title:**
Company Name:	**Email:**
Address:	**Phone Number:**
Inspection Details	
Inspection Date:	**Inspection Location:**
Discharge Start Time:	**Discharge End Time:**
Rate of Discharge (gallons per day):	**Corrective Action Required?**[1] ☐ Yes ☐ No
Describe Indicators of Pollutant Discharge at Point of Dewatering Discharge:[1]	
Attach Photographs of: 1. Dewatering water prior to treatment by a dewatering control(s) and the final discharge after treatment; and 2. Dewatering control(s); and 3. Point of discharge to any receiving waters flowing through or immediately adjacent to the site and/or to constructed or natural site drainage features, storm drain inlets, and other conveyances to receiving waters.	

[1] If you observe any of the following indicators of pollutant discharge, you are required to take corrective action under:

- a sediment plume, suspended solids, unusual color, presence of odor, decreased clarity, or presence of foam; or
- a visible sheen on the water surface or visible oily deposits on the bottom or shoreline of the receiving water.

Project Name: _____
KPDES Number: _____

Section B – Signature and Certification	
"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 contained therein. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information contained 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."	
MANDATORY: Signature of Operator or "Duly Authorized Representative:"	
Signature:	**Date:**
Printed Name:	**Affiliation:**
OPTIONAL: Signature of Contractor or Subcontractor	
Signature:	**Date:**
Printed Name:	**Affiliation:**

Instructions

- **Review the inspection requirements.** Before you start developing your inspection report form, read the KYR10 inspection requirements. This will ensure that you have a working understanding of the permit's underlying inspection requirements.
- **Complete all required blank fields.** Fill out all blank fields. Only by filling out all fields will the template be compliant with the requirements of the permit. (Note: Where you do not need the number of rows provided in the template form for your inspection, you may delete these as you see fit. Or, if you need more space to document your findings, you may insert additional rows in the electronic version of this form or use the bottom of the page in the field version of this form.)
- **Use your site map to document inspection findings.** In several places in the template, you are directed to specify the location of certain features of your site, including where stormwater controls are installed and where you will be stabilizing exposed soil. You are also asked to fill in location information for unsafe conditions and the locations of any discharges occurring during your inspections. Where you are asked for location information, reference the point on your SWPPP site map that corresponds to the requested location on the inspection form. Using the site map as a tool in this way will help you conduct efficient inspections, will assist you in evaluating problems found, and will ensure proper documentation.
- **Include the inspection form with your SWPPP.** Once your form is complete, make sure to include a copy of the inspection form in your SWPPP.
- **Retain copies of all inspection reports with your records.** You must also retain copies of all inspection reports. These reports must be retained for at least 3 years from the date your permit coverage expires or is terminated.

Instructions for Section A

Inspector Name
Enter the name of the person that conducted the inspection. Include the person's contact information (title, affiliated company name, address, email, and phone number).

Inspection Date
Enter the date you performed the inspection.

Inspection Location
If your project has multiple locations where you conduct separate dewatering inspections, specify the location where this inspection is being conducted. Otherwise, you can enter "dewatering operation."

Discharge Start and End Times
Enter the approximate time the dewatering discharge started and ended on the day of the inspection.

Rate of Discharge
Enter the rate of discharge in gallons per day on the day of inspection.

To estimate the approximate discharge rate on the day of dewatering inspection, one approach is to use the manufacturer's design pump rating for the pump model in use. For example, a pump rated at 164 gpm (gallons per minute) by the manufacturer can be assumed to be discharging at 164 gpm in most cases. To convert to gallons per day, multiply the rate in gpm by the ratio of minutes in one-day (1,440 minutes per day), resulting in a discharge rate of 236,160 gallons per day.

In cases where the dewatering discharge is being pumped over long distances or a substantial distance uphill, which will result in a reduced pump rate relative to manufacturer's specification, the operator may improve the accuracy of the estimate by estimating the time required to fill a container of a known volume. For example, if it takes 60 seconds to fill an empty 55-gallon barrel, the estimated discharge rate is 55 gpm, or 79,200 gallons per day.

Indicators of Pollutant Discharge
For the point of discharge, describe any observed sediment plume, suspended solids, unusual color, presence of odor, decreased clarity, or presence of foam; and/or a visible sheen on the water surface or visible oily deposits on the bottom or shoreline of the receiving water.

Corrective Action Required?
Answer "Yes" if during your inspection you found any of the conditions listed above in the instructions for the Indicators of Pollutant Discharge section. If you answer "Yes," you must take corrective action and complete a corrective action log, provided as an attachment to the SWPPP. Answer "No" if you did not observe any of the listed pollutant indicators.

Photographs
Attach photos of: (1) dewatering water prior to treatment by a dewatering control(s) and the final discharge after treatment; (2) the dewatering control(s); and (3) the point of discharge to any receiving waters flowing through or immediately adjacent to the site and/or to constructed or natural site drainage features, storm drain inlets, and other conveyances to receiving waters.

Instructions for Section B

Each inspection report must be signed and certified to be considered complete.

Operator or "Duly Authorized Representative" – MANDATORY
At a minimum, the dewatering inspection report must be signed by either (1) the person who signed the NOI, or (2) a duly authorized representative of that person. The following requirements apply:

If the signatory will be the person who signed the NOI for permit coverage, as a reminder, that person must be one of the following types of individuals:

- *For a corporation*: By a responsible corporate officer. For the purpose of this subsection, a responsible corporate officer means: (i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation, or (ii) the manager of one or more manufacturing, production, or operating facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
- *For a partnership or sole proprietorship*: By a general partner or the proprietor, respectively.
- *For a municipality, State, Federal, or other public agency*: By either a principal executive officer or ranking elected official. For purposes of this subsection, a principal executive officer of a Federal agency includes (i) the chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., KDOW Regional Office).

If the signatory will be a duly authorized representative, the following requirements must be met:

- The authorization is made in writing by the person who signed the NOI (see above);
- The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position); and
- The signed and dated written authorization is included in the SWPPP. A copy must be submitted to local or State regulators, if requested.

Sign, date and print your name and affiliation.

Contractor or Subcontractor - OPTIONAL

Where you rely on a contractor or subcontractor to complete the dewatering inspection report, you should consider requiring the individual(s) to sign and certify each report. Note that this does not relieve you, the permitted operator, of the requirement to sign and certify the dewatering inspection report as well. If applicable, sign, date, and print your name and affiliation.

Appendix E – Copy of Corrective Action Log

Corrective Action Log
Project Name: _____
KPDES ID Number: _____

Section A – Individual Completing this Log	
Name:	**Title:**
Company Name:	**Email:**
Address:	**Phone Number:**
Section B – Details of the Problem Complete this section within 24 hours of discovering the condition that triggered corrective action.	
Date problem was first identified:	**Time problem was first identified**:
What site conditions triggered this corrective action? *(Check the box that applies. See instructions for a description of each triggering condition (1 thru 6).)* ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5a ☐ 5b ☐ 6	
Specific location where problem identified:	
Provide a description of the specific condition that triggered the need for corrective action and the cause (if identifiable):	
Section C – Corrective Action Completion Complete this section within 24 hours after completing the corrective action.	
For site condition # 1, 2, 3, 4, or 6 (those not related to a dewatering discharge) confirm that you met the following deadlines:	
☐ Immediately took all reasonable steps to address the condition, including cleaning up any contaminated surfaces so the material will not discharge in subsequent storm events. **AND**	
☐ Completed corrective action by the close of the next business day, unless a new or replacement control, or significant repair, was required. **OR**	
☐ Completed corrective action within seven (7) calendar days from the time of discovery because a new or replacement control, or significant repair, was necessary to complete the installation of the new or modified control or complete the repair. **OR**	
☐ It was infeasible to complete the installation or repair within 7 calendar days from the time of discovery. Provide the following additional information: Explain why 7 calendar days was infeasible to complete the installation or repair:	
Provide your schedule for installing the stormwater control and making it operational as soon as feasible after the 7 calendar days:	

For site condition # 5a, 5b, or 6 (those related to a dewatering discharge), confirm that you met the following deadlines:

- ☐ Immediately took all reasonable steps to minimize or prevent the discharge of pollutants until a solution could be implemented, including shutting off the dewatering discharge as soon as possible depending on the severity of the condition taking safety considerations into account.
- ☐ Determined whether the dewatering controls were operating effectively and whether they were causing the conditions.
- ☐ Made any necessary adjustments, repairs, or replacements to the dewatering controls to lower the turbidity levels below the benchmark or remove the visible plume or sheen.

Describe any modification(s) made as part of corrective action: (Insert additional rows below if applicable)	**Date of completion:**	**SWPPP update necessary?**	**If yes, date SWPPP was updated:**
1.		☐ Yes ☐ No	
2.		☐ Yes ☐ No	

Section D - Signature and Certification

"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 contained therein. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information contained 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."

MANDATORY: Signature of Operator or "Duly Authorized Representative:"	
Signature:	**Date:**
Printed Name:	**Affiliation:**
OPTIONAL: Signature of Contractor or Subcontractor	
Signature:	**Date:**
Printed Name:	**Affiliation:**

General Instructions

The entire form must be completed to be compliant with the requirements of the permit. (Note: In Section C, if you do not need the number of rows provided in the corrective action log, you may delete these or cross them off. Alternatively, if you need more space to describe any modifications, you may insert additional rows in the electronic version of this form or use the bottom of the page in the field version of this form.)

Instructions for Section A

Individual completing this form Enter the name of the person completing this log. Include the person's contact information (title, affiliated company name, address, email, and phone number).

Instructions for Section B

You must complete Section B within 24 hours of discovering the condition that triggered corrective action.

When was the problem first discovered?

Specify the date and time when the triggering condition was first discovered.

What site conditions triggered this corrective action?

Check the box corresponding to the numbered triggering condition below that applies to your site.

1. A stormwater control needs a significant repair or a new or replacement control is needed, or you find it necessary to repeatedly (i.e., 3 or more times) conduct the same routine maintenance fix to the same control at the same location;
2. A stormwater control necessary to comply with the requirements of this permit was never installed, or was installed incorrectly;
3. Your discharges are not meeting applicable water quality standards;
4. A prohibited discharge has occurred;
5. During discharge from site dewatering activities:
   a. The weekly average of your turbidity monitoring results exceeds established benchmarks; or
   b. You observe or you are informed by State or local authorities of the presence of any of the following at the point of discharge to a receiving water flowing through or immediately adjacent to your site and/or to constructed or natural site drainage features or storm drain inlets:
      - sediment plume
      - suspended solids
      - unusual color
      - presence of odor
      - decreased clarity
      - presence of foam
      - visible sheen on the water surface or visible oily deposits on the bottom or shoreline of the receiving water
6. State or local regulators requires corrective action as a result of permit violations found during an inspection.

Provide a description of the problem

Provide a summary description of the condition you found that triggered corrective action, the cause of the problem (if identifiable), and the specific location where it was found. Be as specific as possible about the location; it is recommended that you refer to a precise point on your site map.

Instructions for Section C

You must complete Section C within 24 hours after completing the correction action.

Deadlines for completing corrective action for condition # 1, 2, 3, 4, or 6 (if not relating to a dewatering discharge)
Check the box to confirm that you met the deadlines that apply to each triggering condition. You are always required to check the first box (i.e., Immediately took all reasonable steps to address the condition, including cleaning up any contaminated surfaces so the material will not discharge in subsequent storm events.). Only one of the next three boxes should be checked depending on the situation that applies to this corrective action.

Check the second box if the corrective action for this particular triggering condition does not require a new or replacement control, or a significant repair. These actions must be completed by the close of the next business day from the time of discovery of the condition.

Check the third box if the corrective action for this particular triggering condition requires a new or replacement control, or a significant repair. These actions must be completed by no later than seven calendar days from the time of discover of the condition.

Check the fourth box if the corrective action for this particular triggering condition requires a new or replacement control, or a significant repair, and if it is infeasible to complete the work within seven calendar days. Additionally, you will need to fill out the table below the checkbox that requires:

1. An explanation as to why it was infeasible to complete the installation or repair within seven calendar days of discovering the condition.
2. Provide the schedule you will adhere to for installing the stormwater control and making it operational as soon as feasible after the seventh day following discovery.

Note: where these actions result in changes to any of the stormwater controls or procedures documented in your SWPPP, you must modify your SWPPP accordingly within seven calendar days of completing this work.

Deadlines for completing corrective action for condition # 5a, 5b, or 6 related to a dewatering discharge
These deadlines apply to conditions relating to construction dewatering activities. Check the box to confirm that you met the deadlines that apply to each triggering condition. You are required to check all of the boxes in this section to indicate your compliance with the corrective action deadlines.

List of modification(s) to correct problem
Provide a list of modifications you completed to correct the problem.

Date of completion
Enter the date you completed the modification. The work must be completed by the deadline you indicated above.

SWPPP update necessary?
Check "Yes" or "No" to indicate if a SWPPP update is necessary to reflect changes implemented at your site. If "Yes," then enter the date you updated your SWPPP. The SWPPP updates must be made within seven calendar days of completing a corrective action.

Instructions for Section D

Each corrective action log entry must be signed and certified following completion of Section D to be considered complete.

Operator or "Duly Authorized Representative" – MANDATORY
At a minimum, the corrective action log must be signed by either (1) the person who signed the NOI, or (2) a duly authorized representative of that person. The following requirements apply:

If the signatory will be the person who signed the NOI for permit coverage, as a reminder, that person must be one of the following types of individuals:

- *For a corporation*: By a responsible corporate officer. For the purpose of this subsection, a responsible corporate officer means: (i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision-making functions for the corporation, or (ii) the manager of one or more manufacturing, production, or operating facilities, provided, the manager is authorized to make management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and

accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

- *For a partnership or sole proprietorship*: By a general partner or the proprietor, respectively.
- *For a municipality, State, Federal, or other public agency*: By either a principal executive officer or ranking elected official. For purposes of this subsection, a principal executive officer of a Federal agency includes (i) the chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency (e.g., KDOW Regional Office).

If the signatory will be a duly authorized representative, the following requirements must be met:

- The authorization is made in writing by the person who signed the NOI (see above);
- The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position); and
- The signed and dated written authorization is included in the SWPPP. A copy must be submitted to local or State regulators, if requested.

Sign, date and print your name and affiliation.

Contractor or Subcontractor - OPTIONAL
Where you rely on a contractor or subcontractor to complete this log and the associated corrective action, you should consider requiring the individual(s) to sign and certify each log entry. Note that this does not relieve you, the permitted operator, of the requirement to sign and certify the log as well. If applicable, sign, date, and print your name and affiliation.

Recordkeeping

Logs must be retained for at least 3 years from the date your permit coverage expires or is terminated.

Keep copies of your signed corrective action log entries at the site or at an easily accessible location so that it can be made immediately available at the time of an on-site inspection or upon request by local or State regulators. Include a copy of the corrective action log in your SWPPP.

Appendix F – SWPPP Amendment Log

Instructions:

- 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 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;
  - ✓ 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 regulatory agencies determine 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]

Appendix G – 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 – 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**
			☐ Temporary ☐ Permanent	
			☐ Temporary ☐ Permanent	
			☐ Temporary ☐ Permanent	
			☐ Temporary ☐ Permanent	
			☐ Temporary ☐ Permanent	
			☐ Temporary ☐ Permanent	
			☐ Temporary ☐ Permanent	

Appendix I –Training Documentation

Appendix J –Delegation of Authority Form

Delegation of Authority

I, _____ (name), hereby designate the person or specifically described position below to be a duly authorized representative for the purpose of overseeing compliance with environmental requirements, including the KPDES KYR100000 Stormwater Discharges Associated with Construction Activities Permit, at the _____ construction site. The designee is authorized to sign any reports, stormwater pollution prevention plans and all other documents required by the permit.

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

By signing this authorization, I confirm that I meet the requirements to make such a designation and that the designee above meets the requirements to accept such a designation.

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: _____

Company: _____

Title: _____

Signature: _____

Date: _____

Appendix K – Rainfall Gauge Recording

Use the table below to record the rainfall gauge readings at the beginning and end of each work day. An example table follows.

Month/Year			Month/Year			Month/Year		
Day	Start time	End time	Day	Start time	End time	Day	Start time	End time
1			1			1		
2			2			2		
3			3			3		
4			4			4		
5			5			5		
6			6			6		
7			7			7		
8			8			8		
9			9			9		
10			10			10		
11			11			11		
12			12			12		
13			13			13		
14			14			14		
15			15			15		
16			16			16		
17			17			17		
18			18			18		
19			19			19		
20			20			20		
21			21			21		
22			22			22		
23			23			23		
24			24			24		
25			25			25		
26			26			26		
27			27			27		
28			28			28		
29			29			29		
30			30			30		
31			31			31		

Example Rainfall Gauge Recording

April 2025			May 2025			June 2025		
Day	7:00 am	4:400 pm	Day	7:00 am	4:00 pm	Day	7:00 am	4:00 pm
1	--	--	1	0.2	0	1	0	0.4
2	--	--	2	0	0	2	0	0
3	0	0	3	0.1	0.3	3	--	--
4	0	0.3	4	0	0	4	--	--
5	0	0	5	0	0	5	0	0

In this example (for only partial months), 0.25-inch rainfall inspections would have been conducted on April 4 and June 1.

Appendix L – Turbidity Monitoring Sampling Documentation