Stormwater Pollution Prevention Plan (SWPPP) for Construction Activity for Small Construction Sites

National Pollutant Discharge Elimination System (NPDES)
General Permit # ARR150000

Prepared for:

Shady Pine Plaza
Alan Schrader
P.O. Box 824
Bryant, AR 72089

Date:

February 2023

Prepared by:

Richardson Engineering, PLLC.
325 West South Street
Benton, AR 72015

Revised date: 10/20/2016

Project Name and Location: Shady Pine Plaza, Shady Pine Lane, Bryant Arkansas

Property Parcel Number (*Optional*): _____

Operator Name and Address: Alan Schrader, P.O. Box 824, Bryant, AR 72089

A. Site Description
   a. Project description, intended use after NOI is filed: Proposed Commercial Building
   b. Sequence of major activities which disturb soils: Install silt fencing, establish subgrade elevations, parking facilities, curb/gutter, utilities, and landscaping. Monitor disturbed areas while vegetation and stabilization are taking place.
   c. Total Area[1]: 0.86 AC Disturbed Area[2]: 0.86 AC

B. Responsible Parties
   Be sure to assign all SWPPP related activities to an individual or position; even if the specific individual is not yet known (i.e. contractor has not been chosen).

Individual/Company	Phone Number	Service Provided for SWPPP (i.e., Inspector, SWPPP revisions, Stabilization Activities, BMP Maintenance, etc.)
Alan Schrader	501-317-0446	Owner
Richardson Engineering	501-315-7225	Inspections/Report
Contractor - TBD	TBD	Install BMP's/Inspections/Report

C. Receiving Waters
   a. The following waterbody (or waterbodies) receives stormwater from this construction site: Property drains to a drainage swale, thence to McNeil Creek, thence to the Saline River.
   b. Is the project located within the jurisdiction of an MS4? ☒ Yes ☐ No
      i. If yes, Name of MS4: City of Bryant
   c. Ultimate Receiving Water:
      - ☐ Red River
      - ☒ Ouachita River
      - ☐ Arkansas River
      - ☐ White River
      - ☐ St. Francis River
      - ☐ Mississippi River

D. Site Map Requirements (Attach Site Map):
   a. Pre-construction topographic view;
   b. Direction of stormwater flow (i.e., use arrows to show which direction stormwater will flow) and approximate slopes anticipated after grading activities;
   c. Delineate on the site map areas of soil disturbance and areas that will not be disturbed under the coverage of this permit;
   d. Location of major structural and nonstructural controls identified in the plan;
   e. Location of main construction entrance and exit;
   f. Location where stabilization practices are expected to occur;
   g. Locations of off-site materials, waste, borrow area, or equipment storage area;
   h. Location of areas used for concrete wash-out;
   i. Location of all surface water bodies (including wetlands) with associated natural buffer boundary lines. Identify floodplain and floodway boundaries, if available;
   j. Locations where stormwater is discharged to a surface water and/or municipal separate storm sewer system if applicable,
   k. Locations where stormwater is discharged off-site (should be continuously updated);
   l. Areas where final stabilization has been accomplished and no further construction phase permit requirements apply;
   m. A legend that identifies any erosion and sediment control measure symbols/labels used in the site map and/or detail sheet; and
   n. Locations of any storm drain inlets on the site and in the immediate vicinity of the site.

E. Stormwater Controls
   a. Initial Site Stabilization, Erosion and Sediment Controls, and Best Management Practices:
      i. Initial Site Stabilization: _Subgrade to be established. Silt fence to be installed to prevent sedimentation and runoff. Drainage to be installed. Utilities to be trenched and covered immediately. Vegetation to be established and soil stabilization closely monitored. After vegetation is established and site is stabilized, NOT to be submitted for approval.
      ii. Erosion and Sediment Controls: _Construction Entrance/Exit, Silt Fence, curb inlet sediment barriers seeing, additional efforts to stabilize disturbed areas where needed, i.e. filter socks, straw wattles, erosion control matting.
      iii. If periodic inspections or other information indicates a control has been used inappropriately or incorrectly, the operator will replace or modify the control for site situations: ☒Yes ☐No

If No, explain: _____

_____

iv. Off-site accumulations of sediment will be removed at a frequency sufficient to minimize off-site impacts: ☒Yes ☐No

If No, explain: _____

_____

v. Sediment will be removed from sediment traps or sedimentation ponds when design capacity has been reduced by 50%: ☒Yes ☐No

If No, explain: _____

_____

vi. Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from becoming a pollutant source for stormwater discharges: ☒Yes ☐No

If No, explain: _____

_____

vii. Off-site material storage areas used solely by the permitted project are being covered by this SWPPP: ☐Yes ☒No

If Yes, explain additional BMPs implemented at off-site material storage area: No off-site material storage area's are needed for this project.

b. Stabilization Practices

i. Description and Schedule: Constructed Construction Entrance/Exit, erect Silt Fence, place curb inlet sediment barriers, and plant trees and seed.

ii. Are buffer areas required? ☐Yes ☒No

If Yes, are buffer areas being used? ☐Yes ☐No

If Yes, describe natural buffer areas: _____

_____

If No, explain why not: There are not named or unnamed streams on-site.

iii. A record of the dates when grading activities occur, when construction activities temporarily or permanently cease on a portion of the site, and when stabilization measures are initiated shall be included with the plan. ☒Yes ☐No

If No, explain: _____

_____

iv. Deadlines for stabilization:
1. Stabilization procedures will be initiated 14 days after construction activity temporarily ceases on a portion of the site.
2. Stabilization procedures will be initiated immediately in portions of the site where construction activities have permanently ceased.

c. Structural Practices
i. Describe any structural practices to divert flows from exposed soils, store flows, or otherwise limit runoff and the discharge of pollutants from exposed areas of the site: _____

ii. Describe Velocity Dissipation Devices: Site fence and inlet sediment barriers.

iii. Sediment Basins:
Are 10 or more acres draining to a common point? ☐Yes ☒No
Is a sediment basin included in the project? ☐Yes ☒No
If Yes, what is the designed capacity for the storage?
☐3600 cubic feet per acre = : _____
or
☐10 year, 24 hour storm = :_____
☐ Other criteria were used to design basin: _____

If No, explain why no sedimentation basin was included and describe required natural buffer areas and other controls implemented instead: Due to the size of the project and a small drainage basin, a sediment basin was not needed for this project.

F. Other Controls
a. Solid materials, including building materials, shall be prevented from being discharged to Waters of the State: ☒Yes ☐No
b. Off-site vehicle tracking of sediments and the generation of dust shall be minimized through the use of:
☒A stabilized construction entrance and exit
☐Vehicle tire washing
☐Other controls, describe: _____
c. Temporary Sanitary Facilities: On-site, portable facility

d. Concrete Waste Area Provided:
☒Yes
☐No. Concrete is used on the site, but no concrete washout is provided.
Explain why: _____
_____
☐N/A, no concrete will be used with this project

e. Fuel Storage Areas, Hazardous Waste Storage, and Truck Wash Areas: _____
_____

G. Non-Stormwater Discharges

a. The following allowable non-stormwater discharges comingled with stormwater are present or anticipated at the site:
☐Fire-fighting activities;
☐Fire hydrant flushings;
☐Water used to wash vehicles (where detergents or other chemicals are not used) or control dust in accordance with Part II.A.4.H.2;
☐Potable water sources including uncontaminated waterline flushings;
☐Landscape Irrigation;
☐Routine external building wash down which does not use detergents or other chemicals;
☐Pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled materials have been removed) and where detergents or other chemicals are not used;
☐Uncontaminated air conditioning, compressor condensate (See Part I.B.13.C of the permit);
☐Uncontaminated springs, excavation dewatering and groundwater (See Part I.B.13.C of the permit);
☐Foundation or footing drains where flows are not contaminated with process materials such as solvents (See Part I.B.13.C of the permit);

b. Describe any controls associated with non-stormwater discharges present at the site: _____
_____

H. Applicable State or Local Programs: The SWPPP will be updated as necessary to reflect any revisions to applicable federal, state, or local requirements that affect the stormwater controls implemented at the site. ☒Yes ☐No

I. Inspections

a. Inspection frequency:
☐Every 7 calendar days
or
☒At least once every 14 calendar days and within 24 hours of the end of a storm even 0.25 inches or greater (a rain gauge must be maintained on-site)

b. Inspections:

Completed inspection forms will be kept with the SWPPP.

☒ ADEQ's inspection form will be used (See Appendix B)

or

☐ A form other than ADEQ's inspection form will be used and is attached (See inspection form requirements Part II.A.4.L.2)

c. Inspection records will be retained as part of the SWPPP for at least 3 years from the date of termination.

d. It is understood that the following sections describe waivers of site inspection requirements. All applicable documentation requirements will be followed in accordance with the referenced sections.

i. Winter Conditions (Part II.A.4.L.4)

ii. Adverse Weather Conditions (Part II.A.4.L.5)

J. Maintenance:

The following procedures to maintain vegetation, erosion and sediment control measures and other protective measures in good, effective operating condition will be followed: The SWPPP to be followed, control measures inspected and repaired as required.

Any necessary repairs will be completed, when practicable, before the next storm event, but not to exceed a period of 3 business days of discovery, or as otherwise directed by state or local officials.

K. Employee Training:

The following is a description of the training plan for personnel (including contractors and subcontractors) on this project: Contractors and Subcontractors for this project to be informed of the SWPPP, as well as procedures for the installation and inspection of erosion control measures, and performing inspections thereof.

**Note, Formal training classes given by Universities or other third-party organizations are not required, but recommended for qualified trainers; the permittee is responsible for the content of the training being adequate for personnel to implement the requirements of the permit.

Certification

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

Signature of Responsible or Cognizant Official: _____

Title: Owner / Developer

Date: 02/22/2023

ARR150000 Inspection Form

Appendix B

Inspector Name: _____ Date of Inspection: _____

Inspector Title: _____

Date of Rainfall:_____ Duration of Rainfall: _____

Days Since Last Rain Event: _____ days Rainfall Since Last Rain Event: _____ inches

Description of any Discharges During Inspection: _____

Location of Discharges of Sediment/Other Pollutant (specify pollutant & location): _____

_____

Locations in Need of Additional BMPs: _____

Information on Location of Construction Activities

Location	Activity Begin Date	Activity Occuring Now (y/n)?	Activity Ceased Date	Stabilization Initiated Date	Stabilization Complete Date

Information on BMPs in Need of Maintenance

Location	In Working Order?	Maintenance Scheduled Date	Maintenance Completed Date	Maintenance to be Performed By

Changes required to the SWPPP: _____ Reasons for changes: _____

_____ _____

_____ _____

SWPPP changes completed (date): _____

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

Signature of Responsible or Cognizant Official: _____ Date:_____

Title: _____