

**CITY OF CONWAY, ARKANSAS**

**EROSION CONTROL COMPLIANCE CERTIFICATION**

**(COMPLETION REQUIRED PRIOR TO ISSUANCE OF DEVELOPMENT PERMIT)**

**Name of Applicant** \_\_\_\_\_

**Address of Permit Requested** \_\_\_\_\_

**Type of Permit Requested** \_\_\_\_\_

I \_\_\_\_\_ hereby certify that the erosion control other stormwater pollution prevention requirements (as required in Ordinance O-09-13) for this project will be provided on this project in accordance with one (Check One of the Boxes) of the following:

- A Stormwater Construction Permit has been obtained from the Arkansas Department of Environmental Quality for this site. A copy of the letter authorizing the permit is attached and the Permit Tracking No. is \_\_\_\_\_ and the AFIN No. is \_\_\_\_\_.
- The site is less than 5 acres and the erosion control will be in accordance with the "Automatic Coverage" provision of ADEQ's General Construction Permit. A storm water pollution prevention plan has been prepared and will be maintained onsite. The required stormwater pollution prevention measures described in the plan will be implemented and maintained.
- The disturbed area is less than one acre and no pollution prevention plan has been prepared but we are aware of the requirements to implement pollution prevention measures to prevent sediments and pollutants from leaving the construction site as detailed in Section 5 of Ordinance O-09-13.
- The project is a remodel or interior project such that the ground surface around the project is not disturbed.

By signature below the permit applicant acknowledges that the city may impose penalties, refuse additional building inspection or issue a cease and desist order if the builder fails to implement and maintain appropriate erosion control and storm water pollution prevention measures for the building construction. In addition, the permit applicant understands that the certificate of occupancy will not be issued until the disturbed ground surface of the site has been permanently stabilized with vegetation of other approved methods of stabilization.

Certified in Compliance By:

\_\_\_\_\_  
\_\_\_\_\_

Company, Firm or Individual

DATE: \_\_\_\_\_

I plan to withhold my approval of subdivision plans until we are provided a suitable storm water pollution prevention plan and evidence of ADEQ receiving the required "Notice of Intent". It is my intent to require the storm water pollution prevention plan to include measures addressing the construction of buildings if a specific plan is not proposed for the building construction.

I have attached a general guide for development of the Storm Water Pollution Prevention Plan for residential house construction. You may want to require that something similar to this be followed for existing subdivisions. The subdivision approved after the first of December should incorporate erosion control plans and storm water pollution prevention plans for the building construction or provide for a separate permit for the building construction.

I am requesting your assistance in getting the home builders to utilize Best Management Practices in regard to storm water pollution prevention. As part of the building permit process you may want to include a certification that the builder is covered by a Storm Water Pollution Prevention Plan if the site involves more than one acre of surface disturbance or is part of a project disturbing more than one acre of surface disturbance. Suggested language for the certifications is shown on the attached sheet.

The primary deficiency in the erosion control practices I see at the residential home sites includes the following:

- Inadequate stabilized construction entry. They are using crushed stone screenings which tend to wash away during heavy rains.
- Silt fences do not have adequate support post (the post should have two feet length extended into ground).
- Silt fences are not notched into ground. The bottom of the silt fences should be buried 6" below the ground surface.
- Silt fences need additional support at low points where a concentration of water flow occurs. The silt fence should have baled hay or rock dam support at low points.
- Temporary seeding is not used to establish temporary ground cover.
- Sediments that wash from the site into the street are not being promptly removed from the street.

**SUBDIVISION**  
**STORM WATER POLLUTION PREVENTION PLAN**

**I. GENERAL REQUIREMENTS:**

- The objective of this plan is to prevent all sediments or other materials from leaving the subdivision or building site and entering the storm water system.
- The Arkansas Department of Environmental Quality (ADEQ) has issued National Pollutant Discharge Elimination System (NPDES) Permit No. ARR 150000 (PERMIT) for owners and operators of facilities discharging storm water associated with construction activities in the State of Arkansas. The information contained in this Storm Water Pollution Prevention Plan summarizes the information and measures required for this project to comply with the Permit. The owner has submitted a "Notice of Intent" to ADEQ agreeing to perform the work required for this project in accordance with the requirements set forth in this document and the NPDES Permit.
- CONSTRUCTION SITE POSTING requirements include posting of copies of the "Notice of Intent" (for site five acres and above) or the completed ADEQ Construction Site Notice for small construction sites (less than 5 acres).
- RESPONSIBILITIES OF CONTRACTOR include compliance with all the terms and conditions of the PERMIT, the use of Best Management Practices (BMP) and other controls as described in this Storm Water Pollution Prevention Plan. By the contractor's signature to this plan he is agreeing to implement the BMP measures contained herein and comply with the conditions of the PERMIT.
- REQUIRED TO BE MAINTAINED ON THE CONSTRUCTION SITE is a copy of this SWPPP.
- PROJECT RECORDS include all inspection reports as required herein.
- RELEASE OF EXCESS OF REPORTABLE QUANTITIES of a hazardous substance or petroleum product shall be managed and reported as described in Sections 107.01(f) and 110.07(c) of the Standard Specification for Highway Construction as published by the Arkansas State Highway Department (Standard Specifications).

**II. PROJECT NAME:**

**III. PROJECT LOCATION**

**IV. PROJECT DESCRIPTION AND POTENTIAL SOIL DISTURBING ACTIVITIES**

**V. EXISTING SITE CONDITIONS**

**VI. SITE RUNOFF**

**VII. DESCRIPTION AND ORDER OF SITE CONSTRUCTION ACTIVITIES**

**A. SUBDIVISION INFRASTRUCTURE IMPROVEMENTS:**

**B. RESIDENTIAL HOUSE CONSTRUCTION**

- Preparation of construction access to building site. The crushed stone shall have a 6" thickness generally conform to a Ballast Stone or B-Stone Gradation consisting of 1" to 3"

size materials. All ingress and egress to the building site shall be on the construction driveway provided.

- Placement of silt fence and baled hay along the downgradient side of the lot.
- Construction of house & driveway.
- Establish interim or permanent vegetation on disturbed areas of the lot.
- Removal of sediment control measures.

## VIII. EROSION AND SEDIMENT CONTROLS

### A. STABILIZATION PRACTICES

- Temporary seeding and hay mulch will be placed within fourteen days after the natural surface cover is removed in areas that will not be disturbed again for four weeks
- Permanent vegetation cover will be established as the areas are completed and further disturbance of the area is not anticipated.
- Temporary and permanent seeding shall conform to the work as described in Section 620 of the Arkansas State Highway & Transportation Department's Standard Specification for Highway Construction.

### B. STRUCTURAL PRACTICES - BUILDING CONSTRUCTION

Several structural erosion control measures will be installed and maintained to reduce the potential for soil being carried by the flow of surface water from the site. The following list of structural practices will be installed at locations shown on the "Erosion Control Plan" installed in accordance with the erosion control details.

- A stabilized construction entry to the work area shall be established in an area adequate to accommodate needed off street access to the building site. The stabilized entry may be constructed with a minimum of 6" thickness of B-Stone (1" to 3" open graded crushed stone) or alternately the concrete drive for the building. All traffic leaving the site will be required to exit over the stabilized entry. Accumulated mud and sediments will be removed from the stabilized entry and additional crushed stone material added as the surface becomes contaminated.
- Silt fences will be installed along the down gradient side of the areas of denuded ground surface. The general location of these fences will be along the street curb, open ditch along street or along the top of the bank of a creek or drainage channel located on or adjacent to the site. The silt fences will be backed by and supported by stone dikes or baled hay dikes at the lower portions of the line of fence where the larger surface flows tend to accumulate. The silt fences will be installed in accordance with the included erosion control details (installed in a minimum 6" deep trench). The accumulated silt will be removed from the fence after a rainfall event. All failures in the silt fence shall be repaired immediately (including lying down or erosion under fence).
- Baled hay dikes or silt fences will be placed around any opening in onsite storm drainage boxes.
- Baled hay dikes will be placed around any pipe culvert entrances.
- Any material leaving the site and accumulating in the street, curb & gutter or ditch will be removed immediately.
- These structural practices will remain in place and maintained until a thriving vegetative cover is established.
- All sediments or eroded or tracked from the site onto adjacent roadways will be immediately removed from the roadway.

### **C. STORM WATER MANAGEMENT**

Site drainage will be accommodated by the storm drainage system operated and maintained by the City of Conway.

## **IX. OTHER CONTROLS**

### **A. WASTE MATERIAL**

- A trash container with a cover will be placed at the equipment staging area and at the employee gathering area on the site for use in disposal of on-site generated solid waste material.
- The waste container will be inspected daily and hauled to the City of Conway Sanitary Landfill for disposal as the container approaches full.
- All hazardous waste will be disposed of in accordance with Arkansas Department of Environmental Quality guidelines.
- A portable toilet will be placed on the site for disposal of sanitary waste. The toilet will be serviced by a company in that business.

### **B. OFFSITE TRACKING**

- A stabilized construction entrance will be established.
- Any offsite chunks of mud or tracking on the adjacent paved streets will be removed by a backhoe stationed on the project site.
- Any tracking of material onto adjacent streets will be immediately removed and the street cleaned of all material.

## **X. TIMING OF CONTROLS & MEASURES**

As described in the stabilization practices, denuded areas will be seeded within 14 days after disturbance of the area has ceased or suspended. After the entire site is stabilized with permanent vegetative cover, the accumulated sediments and the structural controls will be removed and properly disposed of.

## **XI. CERTIFICATION OF COMPLIANCE WITH FEDERAL AND STATE REGULATIONS**

This storm water pollution prevention plan reflects the requirements of Arkansas Department of Environmental Quality's Permit No. ARR150000. To assure compliance with this permit, this plan was prepared using the guidance of "Developing Pollution Prevention Plans and Best Management Practices" as published by the EPA.

## **XII. MAINTENANCE AND INSPECTION PROCEDURES**

### **A. EROSION CONTROL AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE.**

- All erosion and sediment controls and stabilization practices will be inspected at least once every 14 days or within 24 hours after a rainfall event in excess of 1/2 inch.
- When a rainfall event is forecast or anticipated an inspection will be made prior to the event to assure controls are in place.
- All controls will be maintained in good conditions with repairs and maintenance initiated within 24 hours of a report indicating a need for attention.
- Accumulated sediments will be removed from silt fences, baled hay dikes, and rock check dams before the depth of the sediments reach 1/3 of the height of the control.

- Silt fences that tend to fall over or weaken after a rainfall event will be provided additional support from baled hay or more substantial support post.
- Barren spots in areas of temporary or permanent vegetative cover shall be reseeded and the vegetation restored as reports indicate the need.
- An individual familiar with the project site will be selected to be responsible for inspection of the controls and properly briefed and trained in the requirements of this Storm Water Pollution Prevention Plan. This individual shall complete the inspection form included with this plan at the intervals stipulated above.
- A copy of this plan along with the inspection reports will be maintained at the project site and at the office of the developer.

### **XIII. INVENTORY FOR POLLUTION PREVENTION PLAN**

The following materials are expected to be present onsite during construction:

- Concrete
- Petroleum based products
- Solvents
- Fertilizer
- Detergents
- Wood
- Paint
- Masonry Block
- Roofing Shingles
- Tar
- Vinyl siding
- Insulation

### **XIV. SPILL PREVENTION**

The following material management practices will be used to reduce the potential for spills or other accidental exposure of materials and substances to the storm water runoff.

#### **A. GOOD HOUSEKEEPING**

- Materials stored on site will be stored in a neat and orderly manner in an area that will minimize the contact with storm water. Where necessary to prevent materials from being dissolved or carried away by rainfall, the material will be placed under a shed, tarpaulin, or other wrapping or cover to prevent contact with rainfall.
- Products will be kept in their original container with the manufacturer's label when possible.
- Chemical or petroleum products will not be mixed with one another unless in accordance with manufacturer's recommendations and directions.
- Empty containers that may contain residue will be disposed of in accordance with state and local regulations.
- Whenever possible, all of a product will be used before disposal of the container.
- The site superintendent will inspect daily to ensure proper use and disposal of the materials.

#### **B. HAZARDOUS PRODUCTS**

The following practices will be used to reduce risks associated with hazardous materials.

- Products will be kept in their original containers unless they are not resealable.
- Original labels and material safety data sheets will be retained and kept on file.
- If surplus material must be disposed of, the manufacture's recommendations along with local and state recommended methods and procedures will be used for proper disposal.

#### C. PETROLEUM PRODUCTS

- All onsite vehicles and equipment will be monitored for leaks and receive regular preventative maintenance and repairs to reduce hydraulic, lubricant, and fuel leakage.
- A specific area will be designated for parking, servicing, fueling, and maintenance of the equipment and vehicles. This area will generally be on high ground having the lowest site potential for surface water flowing across the parking area.
- Fuel containers, hydraulic fluid containers, and lubricant containers will generally be maintained on the service vehicle or in a confined area protected from the rainfall.
- The site superintendent will regularly inspect the site to insure proper disposal of used antifreeze, used motor oil, filters and other hazardous materials.
- Asphalt based substances will be used in accordance with manufacture's recommendations.

#### D. FERTILIZERS

Fertilizers will be applied in accordance with manufacture's recommendations and product standards. Any unused container of fertilizer will be placed in a sealable plastic container to reduce the potential for spills.

#### E. CONCRETE TRUCKS

Concrete trucks will not be washed out or allowed to deposit surplus concrete onsite unless a specific diked off concrete wash out pit is prepared for appropriate washout of the trucks. Any wash out pit should be fully contained free from any surface water entering the area and be of adequate size to contain the washout volume with appropriate free board. The wash out of concrete trucks in streets, curb inlets, storm drains or open ditches is prohibited.

#### F. PAINTS

All paint containers will be tightly sealed and stored when not in use. Excess paint will be disposed of in accordance with manufacturer's recommendations and state and local regulations and procedures.

#### G. SPILL CONTROL PRACTICES

In addition to the good housekeeping practices and material management practices presented above, the following practices will be followed for spill prevention and cleanup.

- Manufacture's recommended methods for spill cleanup will be clearly posted and available to site personnel with site personnel properly advised of the location.
- Materials and equipment necessary for spill cleanup will be kept in the material storage area onsite. Equipment may include brooms, dust pans, mops, rags, gloves goggles, absorbent material (sand, saw dust, oil dry) and plastic and metal trash cans.
- All spills will be cleaned up immediately after discovery.
- If a hazardous substance is spilled, the spill shall be immediately contained, the spill area well ventilated, and all personnel and vehicles prevented from exposure to the spill area.

Clean up personnel will use appropriate protective clothing and equipment to prevent injury from contact with a hazardous substance.

- Spills of toxic or hazardous material will be reported to the appropriate state or local government agency.

**XV. POLLUTION PREVENTION PLAN CERTIFICATION**

I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification. This document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gathered and evaluated the information submitted. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

\_\_\_\_\_  
(Plan Prepared by)

\_\_\_\_\_  
Date

**XVI. CONTRACTORS CERTIFICATION**

I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification. I hereby agree to conform to the provisions of this plan and implement BMP during the project construction.

BUILDING CONTRACTOR A

BY \_\_\_\_\_

Date \_\_\_\_\_

BUILDING CONTRACTOR B

BY \_\_\_\_\_

Date \_\_\_\_\_

BUILDING CONTRACTOR C

BY \_\_\_\_\_

Date \_\_\_\_\_

\_\_\_\_\_ SUBDIVISION  
 BUILDING AT \_\_\_\_\_  
**STORMWATER POLLUTION PREVENTION PLAN  
 INSPECTION AND MAINTENANCE REPORT  
 (TO BE COMPLETED EVERY 14 DAYS OR AFTER 1/2" RAINFALL)**

**Inspector:** \_\_\_\_\_ **Date:** \_\_\_\_\_  
 Date of Last Rainfall \_\_\_\_\_ Amount of Last Rainfall \_\_\_\_\_ inches

**STABILIZATION (Ground cover temp. or perm. Vegetation) MEASURES:**

AREA	DATE OF LAST DISTURBANCE	ESTIMATED DATE OF NEXT DISTURBANCE	STABILIZED? (YES/NO)	STABILIZED WITH	CONDITION
ALONG STREET					
ALONG DITCH					

Stabilization required:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

To be performed By : \_\_\_\_\_ on or Before \_\_\_\_\_

**STRUCTURAL CONTROLS MEASURES:**

AREA	ARE SILT FENCE IN GOOD CONDITION	CURB INLET BALED HAY DIKES	BALED HAY DIKES IN DITCHES	ROCK CHECK DAMS	IS STABILIZED ENTRANCE IN GOOD CONDITION
ALONG STREET				NA	
ALONG DITCH			NA	NA	NA
			NA		NA
			NA		NA

Maintenance Required for Structural Measures:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

To be performed By : \_\_\_\_\_ on or Before \_\_\_\_\_

Suggested changes required to the Pollution Prevention Plan to Correct Problems or Inadequacies:

\_\_\_\_\_

\_\_\_\_\_

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REASONS for suggested changes:

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I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a procedure developed to assure that qualified personnel gathered and evaluated the information submitted. Based on my inspections and knowledge of this Storm Water Pollution Prevention Plan this inspection report accurately depicts the conditions existing on the date of the inspection and the suggestion and recommendation needed to bring the project into compliance will be promptly reported to personnel responsible for implementing corrective measures.

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