#### **Recertification Notice of Intent (NOI)**

#### Regulated Small Municipal Separate Storm Sewer Systems (MS4's) General Permit ARR040000

You must **complete**, **certify**, **and sign this Recertification Notice of Intent (NOI) form** and return it along with the **updated Stormwater Management Program (SWMP)** to the Department in order to continue permit coverage under the General Permit ARR040000. You must submit this form <u>no later than July 1, 2019</u>. Please keep a copy of this form for your records once completed and signed.

Permittee Name	Permit Tracking Number	AFIN
City of Springdale	ARR040019	88-00846

If any changes or additions need to be made to the information shown below, please update the new information in the corrections section below and/or attach documentation.

	Current Information in ADEQ's database	Corrections/Additions, If Needed	
Small MS4 Physical Address	201 Spring Street		
County	Benton and Washington		
Urbanized/Core Areas	Fayetteville-Springdale-Rogers		
Receiving Stream	Spring Creek		
Ultimate Receiving Stream	Arkansas River		
Contact Person & Title	Kristifer Paxton, Technical Services Manager HC	Illy Wren, Stormwater Co	ordinator
Telephone Number	(479) 750-8105		
Cognizant Official & Title	Kristifer Paxton, Technical Services Manager K	ristifier Payton, Stor	mulater Manager
Responsible Official & Title	Doug Sprouse, Mayor	• • •	

Are the mailing and invoice addresses the same?

Yes or No\* \*If "No," please provide invoice address:

Additional Comments:

"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 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."

I certify that I have read and will comply with all the requirements of the Regulated Small Municipal Separate Storm Sewer Systems (MS4's) General Permit ARR040000.

Responsible Official Name: Responsible Official Title: Responsible Official Signature: Date:

Return the NOI form to the address below or send it electronically to: <u>water.permit.application@adeq.state.ar.us</u> or via ePortal at the following web address: <u>https://eportal.adeq.state.ar.us/</u>

NPDES Permits Section, Office of Water Quality Arkansas Department of Environmental Quality 5301 Northshore Drive North Little Rock, AR 72118-5317











# STORMWATER MANAGEMENT PROGRAM

# Permit ARR 040019

August 1, 2019 – July 31, 2024

**Prepared by:** City of Springdale Engineering Department Revised July 2020



City of Springdale 201 Spring Street Springdale, AR 72764 479-756-7716

Engineering Department

To: City of Springdale – Memo

From: Katie Hollingshead, E.I., CFM - Stormwater Manager

Date: July 20, 2020

# Re: Memo for Record – SWMP Revisions

Through ordinances, policies, and procedures, the City of Springdale has developed a Stormwater Management Program in which the City believes meets and exceeds the minimum requirements and standards of the permit. This document was prepared as a supplementary document which describes the efforts by the City of Springdale's administration to implement, comply, maintain, and enforce the requirements of the Phase II permit. Through each section, requirements are noted in black text, action items already taken are made clear in green text, and action items to be taken will be seen in blue text.

The information within this document reflects existing ordinance, policies, and procedures which are supported in the Chapters 106, 107, and 107-2 of the City of Springdale Code of Ordinances. The SWMP, or Stormwater Management Program, document does not add to, replace, or otherwise create new policy or ordinance within the City of Springdale. The SWMP simply clarifies, as a supplementary document for the Phase II permit, the requirements to renew and maintain the Phase II permit and the action items that the City of Springdale has taken to comply and/or exceed each expectation. It is a goal of the City of Springdale's Engineering Department to meet and or exceed the expectations of State and Federal laws and to work diligently to become a Qualifying Local Program (QLP).

As of July 2020, the City of Springdale revised the SWMP to include sampling and monitoring of Clear Creek, in accordance with a TMDL for pathogens assigned to Clear Creek HUC 11110103-029.

Thank you,

# Katie Hollingshead, E.I., CFM

MS4 Cognizant Official Engineering Department City of Springdale, Arkansas



City of Springdale 201 Spring Street Springdale, AR. 72764 Phone 750-8173 City Attorney's Office

TO: Arkansas Department of Environmental Quality

FROM: City of Springdale City Attorney

DATE: June 30, 2019

RE: Acknowledgement of SWMP Implementation & Enforcement Authority

To whom it may concern,

As the Chief Legal Counsel for the City of Springdale, it is my opinion that the City has taken the necessary steps to obtain and maintain full legal authority to implement and enforce each of the requirements contained in the permit. This includes the following required statements:

- **A.** Identification of all departments within the permittee's jurisdiction that conduct stormwater-related activities and their roles and responsibilities under this permit. Include an up-to-date organizational chart specifying these departments, key personnel, and contact information.
  - a. The City of Springdale's SWMP is managed by the <u>Engineering Department</u> under the direction of the Director of Engineering. The Engineering Director is responsible for selecting a Stormwater Manager and other responsible staff which manage the daily implementation and enforcement of the program, including all SWPPP reviews, construction inspections, Notices of Violations, and compliance reviews.
  - b. The <u>Public Works Department</u> is managed by the Public Works Director, and is responsible for the inspection and maintenance of the drainage system infrastructure in Springdale within public rights-of-way and drainage easements. The Public Works Director tracks and provides the Engineering Department totals of herbicides, fertilizer, compost, and other materials used that may impact the City of Springdale Stormwater.
  - c. The <u>Springdale Fire Department</u> is responsible for immediate actions of spills which contain hazardous materials under the direction of the Chief of the Fire Department and the Fire Marshall.
  - d. The <u>Parks and Recreation Department</u>, under the direction of the Parks and Recreation Director, are responsible for the typical maintenance of public properties primarily within City Parks. The Parks and Recreation Director tracks and provides the Engineering Department totals of herbicides, fertilizer, compost, and other materials used that may impact the City of Springdale Stormwater.
  - e. The <u>Facilities Maintenance</u>, under the direction of the Facilities Maintenance Supervisor, is responsible for typical facilities management and maintenance.
  - f. The Code Enforcement Division of the <u>Neighborhood Services Department</u>, under the direction of the Neighborhood Services Director, is responsible for enforcement of the Stormwater Program ordinance beyond the Notice of Violation process.
  - g. The <u>City Attorney's Office</u>, under the direction of the City Attorney, is responsible for prosecution and/or recovery of costs for failures to comply with ordinance.

h. <u>All other staff</u> of the City of Springdale is responsible for reporting observed or reported violations of the City of Springdale's ordinance to the appropriate authority, in the case of the SWMP, the Stormwater Manager. Through an organization-wide effort, the City of Springdale makes efforts to implement and enforce City Code concerning Stormwater Management.

Organizational Chart & Key Personnel Contact Information



Engineering Department: Kristifier Paxton, Stormwater Manager - 479-756-7716

Neighborhood Services: Ron Findley, Director – 479-750-8154

Public Works: James Smith, Assistant Director - 479-750-8135

Fire Department: Duane Miller, Fire Marshall - 479-751-4510

Parks & Recreation: Chad Wolf, Interim Director - cwolf@springdalear.gov

Building Department: Ed Stith - 479-750-8154

Police Department: Captain Frank Gamble - 479-756-7711

**B.** Identification of the local administrative and legal procedures and ordinances available to mandate compliance with stormwater-related ordinances and therefore with the conditions of this permit.

Page 2 of 3

The following references are enforceable ordinance in the City of Springdale:

- Chapter 106 Drainage Criteria Manual
- Chapter 107 Stormwater Pollution Prevention, Grading, and Erosion Control
- Chapter 107-2 Best Management Practices Manual

The typical management of the Stormwater Program is through the Stormwater Manager. The first action for violations is a CRIR, or Construction Review Inspection Report. This is used as a means to get compliance through the Construction Review process. Upon failure to comply with the items identified in the CRIR within the time specified, the Stormwater Manager may issue a Notice of Violation, which is defined as a written notice detailing any violations of Chapter 107, and any action expected of the violators. Further failure to comply is forwarded from the Stormwater Manager to the Director of Neighborhood Services. The Neighborhood Services Department will utilize the Code Enforcement division to either write a citation, or may offer additional time to comply before issuing a citation. Additionally, in some cases, the City Attorney's office may choose to summons the accused offender to the Washington County District Court Springdale Division based on the severity of the complaint.

#### C. A description of how stormwater related-ordinances are implemented and appealed.

Stormwater related ordinance is implemented and revised by the City of Springdale City Council. The Council as a whole or an individual Council Member may sponsor ordinance or changes to existing ordinance, which must successfully pass a vote in order to go into effect. Such changes are typically reviewed by staff to review state and federal laws and requirements.

Appeals are defined in Chapter 107 so that "any person receiving a Notice of Violation may appeal the determination of the authorization enforcement agency to the Springdale City Council. A notice of appeal must be filed with the Springdale Clerk's office within 10 days of the denial or imposition of conditions of the permit. The notice of appeal shall contain the following information:

- a. An application containing the applicants name, address and daytime phone number,
- b. A statement describing the basis for the appeal; and
- c. The relief sought by the applicant. The appeal shall be scheduled on the next available City Council meeting."

# **D.** A description of whether the municipality can issue administrative orders and injunctions, or whether it must go through the court system for enforcement actions.

The City of Springdale may issue administrative orders and injunctions such as a Notice of Violation from the Stormwater Manager or a Warning Notice from the Neighborhood Services Department. Citations are issued through the Code Enforcement division of Neighborhood Services Department and then the accused party is brought before the Washington County District Court Springdale Division judge.

Thank you,

Ernest Cate City Attorney City of Springdale

Page 3 of 3

# **Revisions/Modifications to the Stormwater Management Program**

In accordance with section 1.3.3 of this document, the SWMP is revised or modified as necessary to remain in compliance with the MS4 Permit. These changes are tracked below.

## <u>July 24, 2020</u>

- Major Modifications
  - Sampling and Monitoring Plan added pg. 90-92
- Minor Modifications
  - Memo revised pg. 1
  - Forms revised
    - Grading Permit Application pg. 8
    - Approval and Fee pg. 11
    - Grading Permit Extension pg. 14
    - Construction Site Inspection Report pg. 16
    - Detention/Retention Certification pg 20
  - Section 1.3.3 revised pg. 7
  - Section 3.6.2 revised pg. 41

# Part 1. Establishment of the Stormwater Management Program

### 1.1 Summary.

To remain compliant with Local, State, and Federal regulations, the City of Springdale (the City) prepares a Stormwater Management Program (SWMP) which must be updated every fifth year. The information within the program for 2019-2024 will comply with the legal requirements defined by the State of Arkansas:

# The SWMP addresses minimum areas, which are termed "Minimum Control Measures." These areas are broadly titled in the rules as follows:

- Public Education & Outreach on Stormwater Impacts;
- Public Involvement/Participation;
- Illicit Discharge Detection & Elimination (IDDE);
- Construction Site Stormwater Runoff Control;
- Post-Construction Stormwater Management for New Development & Redevelopment;
- Pollution Prevention/Good Housekeeping for Municipal Operations;

### 1.2 Reduced Table of Contents.

This document addresses the development and implementation of the City's Stormwater Management Program (SWMP) and the minimum control measures within the program.

Part 1 - Establishment of the Stormwater Management Program

- Part 2 Public Education & Outreach on Stormwater Impacts & Public Involvement/Participation
- Part 3 Illicit Discharge Detection & Elimination (IDDE)
- Part 4 Construction Site Stormwater Runoff Control
- Part 5 Post-Construction Stormwater Management for New Development & Redevelopment
- Part 6 Pollution Prevention/Good Housekeeping for Municipal Operations

### Note: Part 7 & Part 8 are not a part of the City of Springdale's SWMP

# 1.3 Establishment.

**1.3.1.** <u>Deadline for Submission</u>. The City, as a requirement to develop a SWMP, has revised and updated the SWMP document and will submit the SWMP to the Arkansas Department of Environmental Quality for review by June 30, 2019. The City will continue to implement the previous version of the SWMP until this revision is submitted, as required. The SWMP does not contain effluent limitations; the limitations are contained in "Section B: Coverage Under this Permit" item "13. Effluent Limitation Guidelines (ELG)" of the permit.

**1.3.2.** <u>Required Contents</u>. At a minimum, the City must include the following information in its SWMP document:

- a. Ordinances, or other regulatory mechanisms, providing the legal authority necessary to implement and enforce the requirements of this permit;
- b. Statement by the City's legal counsel certifying to adequacy of legal authority;
- c. Written procedures describing how the City will implement provisions.

**1.3.3.** <u>Modifications</u>. The City acknowledges that modifications to the SWMP document may be required. Changes adding components, controls or requirements to the SWMP may be made at any time upon written notification to ADEQ. This includes any changes that affect the signatory authority of the permit. These changes are considered minor modifications and are not subject to public notice requirements. Changes such as adding a new BMP based on a newly applicable condition are considered major modifications and are required to undergo a review by ADEQ and thirty (30) days of public comment. ADEQ will review and provide a written decision with sixty (60) days of the request. All approved BMPs should be implemented immediately.

**1.3.4.** <u>Authority</u>. The City has established the authority of this SWMP through ordinance passed by The City's City Council. These ordinances are:

- Chapter 106 Drainage Criteria Manual
- Chapter 107 Stormwater Prevention, Grading, and Erosion Control
- Chapter 107-2 Best Management Practices Manual

**1.3.5.** <u>Forms, Applications, Documents & Checklists</u>. The City has created a series of forms and checklists, in addition to ADEQ forms, which are used to record, manage, and enforce ordinance for inspections. A full copy of the current versions of each form will be included as Appendix A of the SWMP.

City of Springdale STORMWATER PROGRAM Grading Permit Application	City of Springdale STORMWATER PROGRAM Grading Permit Application
Notice: All fields are required to be completed in full. Applications with missing information will not be approved.	Engineer's Information:
In accordance with Chapter 107.3(B) of the City of Springdale Code of Ordinances, all construction sites where activity is to disturb soil or remove vegetation on 0.5 or more acres will require the following from the applicant:	Name of Firm:         Engineer:           Phone:
Sites disturbing less than 5 acres: Grading Permit Application SWPPP or Erosion Control Plan Automatic Coverage Notice Fee If the area of disturbance is less than 1 acre, a fee of \$250.00 is required. If the area of disturbance is 1 acre or greater, a fee of \$500.00 is required. Sites disturbing 5 or more acres: Grading Permit Application SWPPP ADEO Notice of Coverage Fee of \$500.00 Please note that, unless specified on the plan set or SWPPP, the area disturbed shall be assumed to include the entire property or platted area. A pre-construction meeting will not be scheduled and work may not commence until all documents have been submitted and approved by the Engineering Department. Additionally, all comments must be addressed through both the Planning and Engineering Department. Additionally, all comments must be addressed through both the Planning	Operator's Information (Responsible Party):       No operator has been selected at this time.         Company:       Responsible Individual:         Phone:       Responsible Individual:         Phone:       Mailing Address:         Email:       City/State/Zip:         By signing this application, the operator agrees to have on the project sile at all times an agent or qualified person or persons who is competent and capable of reading and throughly understanding the plans, specifications andrequipments for the type of work being performed. The qualified person persons shall have full authority to issue orders or direction to employees working on site without delay and to prompty supply such materialis, labor, equipment, tools, and incidentials amy be required to complete the work in a proger or the person conducting the violation.         Signature:
Proposed Grading Site Information:	Permittee Name: Mailing Address:
Job Title (on plans): Nearest Intersection:	Phone: City/State/Zip:
Physical Address:        Parcel Number(s):	I certify under penalty of law that this document and all attachments provide true and accurate information to the period my knowledge. Lunderstand that the operator, whom has been identified and asigned this document, is responsible for compliance of the City of Springdale Urg (or Springdale Urg) work directly with the operator to ensure that this property remains in compliance with this ordinance, and may not always contact the permittien regarding hotoless of Volation of construction State Inspection Report given to the operator. By the operator is the inspection Report given to the operator. By the operator is compliance with this ordinance, and may not always contact the permittee regarding hotoless of Volation of construction State Inspection Report given to the operator. By and the operator is completed or compliance before, during, and after any construction activities until the grading permit is terminated and completion of constructions and defined in Chapter 107, has been completed and approved by the Otly of Springdale Bignering Department. Signature: Date: If there are any questions or concerns regarding this application or any of the required documents, please refer to the City of Springdale Engineering Department. City of Springdale Engineering Department 206 Figure 400 bob In. Springdale, Arkansas 72764 Prince 179-756-7716

(See Appendix A: Grading Permit Application)

**Grading Permit Application.** During project submission and review in The City's Tech Plat Review Process, or through other inquiry, The City will require a Grading permit Application to be submitted for any project in which the Total Acreage of the property is 0.5 Acres or larger. If the disturbed acreage of the property is identified as 0.5 Acres or larger, a full review and permit is required before the permit may be issued. Clearing, filling, excavating, quarrying, construction or similar activities are not permitted for properties 0.5 acres or larger within The City's jurisdictional limits without first obtaining a Grading Permit. A copy will be maintained in the City's Engineering Department records.

StormWater Pollution Prevention Plan Checklist         Project ID:	Inspections I.Inspection Form S.Inspection Form S.Inspection Records A.Winter Conditions Maintenance Employee Training Additional Comments:
5. Structural Fractices	
Other Controls	11
Other Controls Non-Stormwater Discharges	
Other Controls  Non-Storrmwater Discharges  Post-Construction Stormwater Management	Reviewer Name (Print),

(See Appendix A: Stormwater Pollution Prevention Plan (SWPPP) Checklist)

**Stormwater Pollution Prevention Plan (SWPPP) Checklist.** Prior to the approval of a Grading Permit, the City of Springdale requires a Stormwater Pollution Prevention Plan to be submitted for review. Applications that are identified out of compliance with the City of Springdale's General Permit are denied until corrections are made. A copy will be maintained in the City's Engineering Department records.

🚢 City of	Springdale 🤜
STORMW	VATER PROGRAM
Non-stormwater	Discharge to MS4 Request
SEC. 107.2 PROHIBITION SAND REQUIREMENT	S
<ol> <li>No person halt release or cause to be released or cause to be released of the second se</li></ol>	eased into the storm dainage system any dischargethal is not compose minor stormwater commains's induct strsh, yard wask i and sedimetri Satts, denning products, part products, hazardow waste and sedimetri Satts, denning products, part products, hazardow waste and sedimetri Satts, denning products, part products, hazardow waste and sedimetri Satts, denning products, part products, hazardow maker, the source of this sedimetric strategies and sedimetric strategies of sedimetric strategies and sedimetric strategies of sedimetric strategies and sedimetric strategies of this sedimetric strategies and sedimetric strategies of sedimetric strategies and sedimetric strategies and sedimetric strategies and sedimetric strategies and sedimetric sedimetric strategies and sedimetric strategies and sedimetric strategies and sedimetric sedimetric strategies and sedimetric strategies and sedimetric sedimetric strategies and sedimetric strategies and sedimetric sedimetric strategies and sedimetric strategies and sedimetric strategies and sedimetric sedimetric strategies and sedimetric strategies and sedimetric sedimetric strategies and sedimetric s
Discharge address:	
Responsible Organization:	
Proposed discharge date(s):	
Description of discharge:	(or attach)
By signing below as the "Signature of Responsible Org Responsible Organization above, and agree thatto the <b>"Prohibitions</b> " above, and <u>is defined</u> in "Exemptions responsible for any resulting violations of Chapter 107 EROSION CONTROL.	parization Agent", I agree that I am an authorized agentfor the best of my knowledge, the requested discharge <u>is not defined</u> in above. As the agent for the organization, I understand that I am - STORMWATER POLLUTION PREVENTION, GRADING, AND
Printed name of Responsible Organization Agent:	
Signature of Responsible Organization Agent:	
Contact Email Address:	@
Comade Ernan Address.	

(See Appendix A: Non-Stormwater Discharge to MS4 Request Form)

*Non-Stormwater Discharge to MS4 Request Form.* No person shall release or cause to be released into the storm drainage system any discharge that is not composed entirely of uncontaminated stormwater. This form is used to verify that all non-stormwater discharges comply with Section 107.2, Prohibitions and Requirements. A copy will be maintained in the City's Engineering Department records.

Grading	g Permit: Er	ngineering Appro	oval & Fee	Form
Project Name and Number	:			
	ATTACH	FEE PAYMENT RECEIPT		
Notice of Coverage				
Notice of Coverage	Prevention Plan			
Notice of Coverage Stormwater Pollution All Comments Addres	Prevention Plan			
Notice of Coverage Stormwater Pollution All Comments Addres SWU Comments Add	Prevention Plan used			
Notice of Coverage Stormwater Pollution All Comments Addres SWU Comments Addres Swy Comments Addres project has cleared all Engine	Prevention Plan ised ressed verifying that this rering Comments:			Date:

(See Appendix A: Grading Permit: Engineering Approval & Fee Form)

**Grading Permit: Engineering Approval & Fee Form.** The City of Springdale charges a \$250 fee for sites between 0.5 and 1 acre, and \$500 for sites larger than 1 acre for Grading Permits. During the review, a Grading Permit may not be issued until the Senior Project Manager determines that all engineering comments have been addressed, including but not limited to those concerning stormwater and the Stormwater Pollution Prevention Plan. Additionally the Stormwater Manager, after receiving the signature of the Senior Project Manager, must notify the Large Scale Inspector and schedule a Preconstruction Meeting. Typically this form must be completed verifying all administrative items and approvals have been reviewed and accepted prior to scheduling a Preconstruction Meeting where a Grading Permit will be issued.

SITE WITH AUTO	MATIC COVERAGE
(LESS THA	N 5 ACRES)
CONSTRUCTIO	N SITE NOTICE
FC	R THE
Arkansas Department of E Storm W	/ater Program
NPDES GENERAL P	ERMIT NO. ARR150000
The following information is posted in compliance ARR150000 for discharges of stormwater runoff fro	with Part I.B.8.A of the ADEQ General Permit Number m sites with automatic coverage. Additional informatic
regarding the ADEQ stormwater program may be fou	nd on the internet at:
www.adeq.state.ar.us/wa	ter/branch_npdes/stormwater
Permit Number	ARR150000
Contact Name: Phone Number:	
Project Description (Name, Location, etc.):	
End Date:	
Total Acres:	
Location of Stormwater Pollution Prevention Plan:	
For Construction Sites Authorized under Part I.B.6.A completed:	(Automatic Coverage) the following certification must b
I Certification) certify under penalty of law that I have rea	(Typed or Printed Name of Person Completing the ad and understand the eligibility requirements for claimin
an authorization under Part I.B.2. of the ADEQ Gene provention plan has been developed and implementer	ral Permit Number ARR150000. A stormwater pollutio
& D of the parmit. I am aware there are significant	penalties for providing false information or for conducte
unautionized discharges, including the possibility of I	and and imprisonment for knowing violations,
Signature and Title	Date

(See Appendix A: ADEQ Site with Automatic Coverage Form)

**ADEQ Site With Automatic Coverage (Less than 5 Acres) Construction Site Notice Form.** The City of Springdale SWMP requires that all construction sites which require a Grading Permit that are less than 5 Acres, to post a completed copy of this state form at their construction site entrance. This is a higher standard requirement. If the site is over 5 acres, a copy of the ADEQ Notice of Intent (NOI) or Notice of Coverage (NOC) would replace this requirement and be located at the construction site entrance. A copy will be maintained in the City's Engineering Department records.



(See Appendix A: Grading Permit Document)

**Grading Permit Document.** The City of Springdale will issue a Grading Permit for any project which meets ordinance requirements to receive the Grading Permit. To receive a Grading Permit, the project must be 0.5 acre or larger, have paid an appropriate review fee, met the approval requirements for a SWPPP, Grading or Erosion Control Plan, Dust Control Plan, show a plan to locate Best Management Practices, provide proof of qualifications for Construction Stormwater Management of the Site Supervisor, and complete a Preconstruction Meeting. Additionally, any items identified through the Tech Plat Review process must first be addressed, or in limited cases may be a condition of the final Completion of Construction, noted in the project's log. The Grading Permit will remain open and undergo a minimum inspection frequency of one time per month until a Springdale Stormwater Program Notice of Termination shows the project meets a Completion of Construction defined in Chapter 107. A copy of the Grading Permit will be maintained in the City's Engineering Department records.

SPRINGDALE Grad	stormwater program
P	roject ID (office use only):
Notice: All fields are required to be o	completed in full. Applications with missing information will not be approved.
leb Title (en plans);	Grading permit expiration date:
Total combined parcel acrosses	Disturbed acreage:
Is any portion of the property loc	sated in a EEMA Special Flood Hazard Area?
If ves. a Floodplain Develop	nent Permit application may be required.
Will a water truck be used during	g grading? YES NO
If yes, provide source:	
Operator's Information (Respo	onsible Party):
Company:	Responsible Individual:
Phone:	Mailing Address:
Email:	City/State/Zip:
person or persons who is competent a	and capable of reading and thoroughly understanding the plane
specifications and requirements for the have full authority to issue orders or such materials, labor, equipment, tool manner. If no superintendent is on sit the person conducting the violation.	e type of work being performed. The qualified person or pensons shall direction to employees working on site without delay and to promptly supply s, and incidentials as may be required to complete the work in a proper e, the city official may issue the Notice of Violation and Stop Work Order to
specifications and requirements for th have full authority to issue orders or such materials, labor, equipment, tool manner. If no superintendent is on sit the person conducting the violation. Signature:	is byse of work being performed. The qualified person a person as the analysis of the person shall direction to employees working on site without delay and to promptly supply is, and incidentias as may be required to complete the work in a proper e, the ohy official may issue the Notice of Violation and Stop Work Order to Date:
specifications and requirements for the have full authority to issue orders or such materials, labor, equipment, tool manner. If no superinterindent is on sit the person conducting the violation. Signature: Permittee's Information (Owne Permittee Name:	in type of work being performed. The qualified person or persons shall direction to employees working on site without delay and to promptly support s, and incidentals as may be required to complete the work in a proper e, the city official may issue the Notice of Violation and Stop Work Order to Date:
specifications and requirements for th have full authority to save orders or such materials, lakor, equipment, tool manner. If no systemicretion et an oil the person conducting the violation. Signature: Permittee's Information (Owne Permittee Name: Phone:	in type of work being performed. The qualified person or persons shall direction to employees working on site without delay and to pornetly support s, and incidentals as may be required to complete the work in a proper e, the city official may issue the Notice of Violation and Stop Work Order to Date:
specifications and requirements for th have full authority to issue orders or such materials, labor, equipment, tool manner. If no syntemet, tool manner. If no syntemications is a provide the syntemication of the syntemication provide the syntemication of the prometication of the syntemication of the Phone: "I cardity under penalty of law that this beam of the organic law of the syntemication of the cardity of the syntemication of the syntemication of the syntemication of the syntemication of the synthesis of the syntemication of the syntemication of the syntemication of the syntemication of the synthesis of the syntemication of the syntemication of the syntemication of the syntemication of the synthesis of the syntemication of the syntemication of the synthesis of the syntemication of the syntemication of the permits terminated and completes on the the City of Synthesis Syntemication of the syntemi	in type of work being performed. The qualified person or persons shall direction to employees working on site without delay and to promptly support direction to employees working on site without delay and to promptly support of the othy official may issue the Note of Violation and Stop Work Order to

(See Appendix A: Grading Permit Extension Application)

**Grading Permit Extension Application.** Grading Permits expire after a typical 12 month period. At the time of expiration, a Grading Permit must be either extended or terminated. The Grading Permit Extension form is used by the applicant to extend a Grading Permit. During this extension, any changes to ordinance regarding best management practices, or any changes to Arkansas law, may be implemented to bring the construction site into compliance. It is a violation of ordinance for a Grading Permit to expire without achieving a Completion of Construction.



(See Appendix A: Provisional Grading Permit Document)

**Provisional Grading Permit Document.** All rules governing the issuance of a grading permit apply to a Provisional Grading Permit pertaining to stormwater. The Provisional Grading Permit, however, does not allow construction of improvements, and only allows clearing, filling, excavating, demolition or similar activities. Provisional Grading Permits require a review of a grading plan, proposed development site plan, and a SWPPP. Provisional Grading Permits must be secured by a bond in the amount appropriate to restore the site to a Completion of Construction standard portions b, c, d, and e. A copy of the Provisional Grading Permit and the bond will be maintained in the City's Engineering Department records.

	310KM	WATERC	.0.131	anoral Information	TION KETO	KI
Proi	ect Name			Per	mit Number	
) at	of Inspection			Per	mit Expiration	
nsr	ector's Name and Title(s)		Princila	Maralas Starmwater Coordin	ator	
nsp	ector's Contact Informati	ion	0. 470-	766-7716 C · 470-941-9997	ator	
res	ent phase of construction		0.473	30-7710 0. 473-041-3007		
		0			1	
_	<u>u</u>	Constructio	on site w	as compliant at the time of this	inspection.	
	BMP / activity	Maintena	nce 1?	Corrective Action Need	ed / Maintenance	Required
	Site Entrance / Exit	GYes DN	io			
a	Rock Check Dam	OYes ON	No			
3	Wattle	OYes ON	No			
a	Silt Fence	UYes UN	lo			
	Inlet Protection	OYes ON	io			
a	Seed and Mulch / Sod	UYes DN	No			
2	Concrete Washout	UYes UN	No			
	Secondary Containment	QYes QN	No			
	Sediment Pond / Trap	OYes ON	No			
	Buffer Zone	GYes DN	No			
	Dust Control	QYes QN	lo			
	Trash / Litter Collection	QYes QN	io			
	Stockpile	QYes QN	No			
	Slope Stabilization	QYes QN	No			
	Hazardous Material Storage	OYes ON	No			
	protection of neighboring properties	QYes QN	No			
		QYes QN	No.			
				NOTES		
eerti ture stem d cor slatio	fy under penalty of law that this d that qualified personnel property g or those persons directly request mplete. I am aware that there are si est." Print name and title: Pri	ocument and all athered and eval ible for gathering ignificant penalt iscila Morale	CERTII attachmen luated the g the infor ies for sub es, Stor	TICATION STATEMENT s were prepared under my direction or s information submitted. Based on my ing- nation, the information submitted is, to to mitting false information, including the p nuwater Coordinator	pervision in accordan iry of the person or pe te best of my knowled ossibility of fine and i	ce with a system designed roots who manage the ge and belief, true, accura mprisonment for knowing
	Signatura:				Data	

(See Appendix A: Construction Review Inspection Report [CSIR] Form)

**Construction Sit Inspection Report (CSIR) Form.** The Stormwater Coordinator will complete a CSIR for each active grading permit no less than one time per month. The CSIR includes a checklist of typical items which are common violations, and an open location to include atypical violation notices. The City of Springdale's goal is to maintain compliance through the Construction Review Process of construction sites. This is achieved through the use of the CSIR inspection form. A copy of each monthly CSIR, or additional reports as needed, will be maintained in the City's Engineering Department records.



(See Appendix A: Notice of Violation Form)

**Notice of Violation Form.** The City of Springdale's Stormwater Program contains enforcement measures which allow additional measures to be taken beyond the Construction Review Process. Defined in Section 107.4 Enforcement, and also in Chapter 106.11.9.7 Enforcement, the City of Springdale first begins with a CSIR during Construction Review, and if the CSIR process fails to achieve expected results, or if the site reviewer feels that a violation is serious enough to warrant enforcement action, a Notice of Violation may be issued. This includes an appropriate time frame allowed for completing the work. After the allotted time, the Notice of Violation, along with all appropriate documentation and photographic evidence, will be submitted to the Code Enforcement division of the Neighborhood Services department. Enforcement actions are defined in Chapter 107 through Recovery of Costs (abatement), Termination of Utility Services, Performance Bond requirements, or Criminal Prosecution. Chapter 107 also identifies criminal penalties, other legal actions, and a schedule of fines defined by number of offenses per day.



(See Appendix A: Stop Work Order Document)

**Stop Work Order Document.** The City of Springdale Engineering Director in conjunction with the Chief Building Inspector may issue a Stop Work Order to any persons violating any provision of the City's Stormwater Pollution Prevention, Erosion Control, and Grading Ordinance by ordering that all site work stop except that necessary to comply with any administrative order.

	City of S	springdale 🐨
	STORMW	ATER PROGRAM
NC	TICE OF TERMINATION	N OF GRADING PERMIT #
Property Owner's In	formation:	Notice of Termination by Request - the Operator is requesting an inspection to prove that this project meets "Completion
Permittee Name:		of Construction" requirements defined in Chapter 107.
Mailing Address:		Notice of Termination by Expiration - the Grading Permit
Cite / Carata / 21-1		within 7 days, or an extension request in the form of a Grading Permit
City/state/2ip:		Application, revised SWPPP, and any compliance changes must be submitted and approved
Phone:		Notice of Termination by Review - during an inspection, a
Operator's Informat	ion: (Responsible Party)	representative approved by the Director of Engineering has
		uetermined that Completion of Construction has been achieved, and has terminated your grading permit.
Name:		Notice of Termination by Director - the Director of
Mailing Address:		Engineering, in conjunction with the Chief Building Inspector, has terminated your Grading Permit. This is either due to a failure to
City/State/7in		comply with Chapter 107 requirements or to protect the safety and
		welfare of the general public. Completion of Construction as defined in Chanter 107 is required within 7 days. (Requires Director Signature)
Phone:		
Check this box Certification form	if the facility has a Detention or Retenti a must be completed prior to a Notice of	on Pond. If this box is checked, a Detention/Retention Termination being issued.
Check this box Certification form The Storwater M Termination. The B et aviolation not been achieved.	If the bolity has a Detention or Retent must be completed prior to a Notice of Assessment Objection of Department must of Chapter 107 if a Grading Parmile a downl of Chapter 107 if a Grading Parmile a downl of Chapter 107 if a Grading Parmile and object of the Parming Com- tained by the Planning Com- the disturbed soil area is obsi and. No slopes steeper than a 3.1 p of Engineering, and Notice of Violations issued h	In Prod. If this box is clocked, a Detention Retention on Prod. If this box is clocked, a Detention Retention energy of the product of the second second second second completed optic time issuance of a Note of Termination being issued, it is one price of Completion of Constructions provide a Notes of completed by Cip Engineering Department Staff and Completed and a Canadry Permit is which in the disturbed area is complete and matches plans as imission, and arred to have 80% grass coverage and 100% stability, which unless otherwise approved in writing by the Director taxe all concentrations actions: approved in writing by the Director
Check this box Certification form The Scienceate V Termination. The be atallie as avoidation not been achieved.	If the facility has a Detention or Retent must be completed prior to a Notice of Manager or Direct or Edgewerty must be obtained as required decidial with must be or downs of the decidial with must be or downs of the decidial with must be content of the decidial with a development and grading with approved by the Planning Cool the disturbed soil area is obse and No slopes steeper than a 3.1 p of Engineering, and Notice of Violations issued h report signed by a represental all heavy equipment, stockpile	In Pack II this box is checked, a Distribution Teteration Fremation bring tasked. Bremation bring tasked and bring the brend to provide and Sub- software Completer and March Penneth and the provide task breve and Complete and matches plans as mission, and envel to have 80% grass coverage and 100% stability, shitch unless otherwise approved in writing by the Director ave all corrective actions approved with an inspection we of the Director of Engineering, and
Check this box Certification formate I The Science Area and Area a	If the facility has a Detention or Retent must be completed prior to a Notice of Manager or Dieder of Pergineeing must de above of a negative diversity of the Constraint of the Content of 16 Addites that the completed of the Content of 16 Addites that the Constraints of Pergineeing and the Persing Content of 16 Addites that the Persing of Engineeing, and No slopes steeper than a 3.1 p of Engineeing, and Note of Violations issued h report signed by a representat all heavy equipment, stockpill from the Construction Site. Is not valid until signed by the 1 led below by the Stormwater Man. No further grading shall be p	In Pack II this box is checked, a Distance Termination approach Termination being traved. Server Completion of Construction prof to genowing a Notice of completed professional and the Construction prof to genowing and completed professional and and the Construction and address in the server and considered and address in which: In the disturbed area is complete and matches plans as mission, and erved to have 80% grass coverage and 100% stability, itch unless otherwise approved in writing by the Director ave all corrective actions approved with an inspection ve of the Director of Engineering, and is, and construction site materials have been removed Director of Engineering or Stormwater Manager. If this remitted under this permit if this document is signed.

(See Appendix A: Notice of Termination [NOT] Document)

**Springdale Stormwater Program Notice of Termination (NOT).** Projects which achieve a Completion of Construction standard are terminated either by request of the applicant, expiration of the Grading Permit, review of an inspector, or order by the Director of Engineering. This Notice of Termination is a higher standard document and separate from an ADEQ NOT, and <u>does not</u> replace the ADEQ NOT.

S	DRMWATER PROGRAM			
DETENTION/RETENTION CERTIFICATION				
File Number (office use):	Date Submitted:			
Address or Approximate Location:				
Responsible Individual:				
Entity Name:	Phone:			
Mailing Address:	Email:			
City/State/Zip:				
Engineer's Cer	ication Engineer Signature & Seal			
Designed Storage Volume:				
As-Built Storage Volume:				
Designed Outlet Device Type:				
As-Built Outlet Device Type:				
Designed Outlet Device Dimensions:				
As-Built Outlet Device Dimensions:				
Designed Release (f <sup>3</sup> /sec):	Retention			
As-Built Release (f <sup>3</sup> /sec):	Detention			
By placing my professional stamp and signa	re on this paper, I certify that this detention pond is constructed			
according to the approved design on file w	the City of Springdale. I further certify that all the drainage area			
designed to drain to this pond in fact does	in to said pond. Calculations to determine the As-Built Storage			
volume must be provided to the City of Sp	gdale Stormwater Manager.			
Chapter 107.6 Maintenance of Stormwater B. Inspection of Detention and Retention Sys	cilities 18			
All stormwater detention and retention faci licensed civil engineer to indicate that the faci inspection shall be filed with the Engineering the facility fails to perform per the original de completed within a time period to be specif violation of this chapter.	s must be inspected annually by the responsible entity and/or by is still in compliance with the originally approved design. A copy of partment. Failure to inspect shall constitute a violation of this chapter specifications, then corrective action must be proposed, approved a Failure to take corrective action within the specified time period is			

(See Appendix A: Detention/Retention Certification & Detention/Retention Recertification)

**Detention/Retention Certification/Recertification Forms.** The City of Springdale requires postdevelopment certification of Detention/Retention facilities on an annual basis per Chapter 107.6 Maintenance of Stormwater Facilities. All stormwater detention and retention facilities shall be inspected annually by the property owner. If the facility fails to perform per the original design specifications, then corrective action must be completed. Failure to take action is a violation of Chapter 106.5.4.11.1 Inspection of Detention and Retention Systems. The certifications must be signed and sealed by a Professional Engineer prior to legal occupancy permit being issued. Recertification forms may be completed by the property owner.

		VER. 2019-1
	City of Springdale Stormwater Program	
Com	munity Service Stormwater Restoration Request Form	
What work is being requested?		
[] Trash & General Cleanup		
[] or usin or vegetation Removal		
[]Other	_	
Location of Restoration Request:		
Extent of restoration request an	Areo oj interest Piloto:	

(See Appendix A: Community Service Stormwater Restoration Request Form)

**Community Service Stormwater Restoration Request Forms.** The Engineering Department's Stormwater Manager, in partnership with the Springdale Police Department's Community Services Division, provides an opportunity for regularly scheduled cleanup locations to be identified along public rights-of-way, tributaries, and drainage easements in Springdale. These requests are initiated through observation or complaints and submitted to the Supervisor of the Community Services Division for review. Pending approval by the Community Services Division Supervisor, these locations identified as specifically troublesome areas may be visited regularly by the Community Service Division for cleanup of trash, debris, brush/vegetation removal, etc.

# 1.4 Legal Authority to Implement and Enforce Stormwater Management Program.

**1.4.1.** The City acknowledges that within one year from permit issuance the City of Springdale must review and revise its relevant ordinances or other regulatory mechanisms, or adopt any new ordinances or other regulatory mechanisms that provide it with adequate legal authority to control pollutant discharges into and from its MS4, and to meet the requirements of this permit.

**Action Item:** In September of 2017, the City of Springdale revised and furthermore adopted by ordinance revisions to Chapter 107 – *Stormwater Pollution Prevention, Grading, and Erosion Control.* Objective 2 of the Chapter 107 *General Provisions* states that "to prevent the discharge of contaminated stormwater runoff and illicit discharges from industrial, commercial, residential, and construction sites into the storm drainage system within the City of Springdale." This objective is further defined within Chapter 107, with allowances and prohibitions, along with enforcement measures.

**1.4.2.** The City acknowledges that to be considered adequate, this legal authority must, at a minimum, address the following:

a. <u>Authority to Prohibit Illicit Discharges</u> – Prohibit and eliminate illicit connections and discharges to the MS4. Illicit connections include pipes, drains, open channels, or other conveyances that have the potential to allow an illicit discharge to enter the MS4. Illicit discharges include all non-stormwater discharges except firefighting discharges, discharges from NPDES permitted industrial sources and discharges not otherwise authorized under Part 1.4.2.b of this permit.

# **Action Item:** Illicit connections and discharges are prohibited under Chapter 107.7.E.1 *Prohibition of Illegal Discharges*, and Chapter 107.7.E.2 *Prohibition of Illicit Connections*.

b. <u>Allowable Non-Stormwater Discharges</u> –Exceptions to the prohibition in Part 1.4.2.a. may include the following, only if they are considered non-significant contributors of pollutants: water line flushing, landscape irrigation, diverted stream flows, rising ground waters, uncontaminated ground water infiltration (as defined at 40 CFR 35.2005(20)) to separate storm sewers, uncontaminated pumped ground water, discharges from potable water sources, foundation drains, air conditioning condensation, irrigation water, springs, water from crawl space pumps, footing drains, lawn watering, individual residential car washing, flows from riparian habitats and wetlands, dechlorinated swimming pool discharges, and street wash water.

# **Action Item:** The required exceptions to the prohibition have been incorporated into Chapter 107.7.E.1. *Prohibition of Illegal discharges*, parts a, b, c, and d.

c. <u>Authority to Prohibit Spills or Other Releases</u> – Control the discharge of spills, and prohibit dumping or disposal of materials other than stormwater into the MS4.

**Action Item:** The required actions during spill scenarios are located in Chapter 107.7.K. *Notification of Spills*. The prohibition of dumping or disposal of materials other than stormwater is located in Chapter 107.7.E.1 and states that "it shall be unlawful and punishable as provided herein for any person who discharges or causes to be discharged into the storm drainage system or watercourses any material, including but not limited to pollutants or waters containing any pollutants that cause or contribute to a violation of applicable water quality standards, other than stormwater. The commencement, conduct or continuance of any illegal discharge to the stormwater drain system is prohibited"

 <u>Authority to Require Compliance</u> – Require compliance with conditions in the City's ordinances, permits, contracts, or orders (i.e., hold dischargers accountable for their contributions of pollutants and flows).

**Action Item:** Within Chapter 107 enforcement measures have been defined for compliance within Section 107.4 *ENFORCEMENT*. Within this section, 107.4.A defines enforcement personnel that are authorized to issue Notices of Violations, citations and implement other enforcement actions under this ordinance" as "all authorized personnel under the supervision of the Engineering Director or other authorized City enforcement agencies" and also "all health officers that are authorized representatives of the Director of the Benton and Washington County Health Departments." The enforcement procedures within 107.4.C define "a formal enforcement procedure to be followed by the City of Springdale when enforcement action is necessary on sites that do not comply with the City's Stormwater Pollution Prevention, Erosion Control, and Grading Ordinance."

e. <u>Authority to Require Installation, Implementation, and Maintenance of Control Measures</u> – Require owners/operators of construction sites, new or redeveloped land, and industrial and commercial facilities to minimize the discharge of pollutants to the MS4 through the installation, implementation, and maintenance of stormwater control measures consistent with the requirements of Chapter 106, Chapter 107, and Chapter 107-2.

Action Item: Section 107.3 *STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITES* lists the requirements for projects 0.5 acre or larger within the City of Springdale. The City adopted higher standards to enforcement in the September 2017 revision of Chapter 107 to include all disturbances 0.5 acre or larger. Within Section 107.3.B. *Construction Sites Requiring an Approved SWP3*, it is stated that "all construction sites where construction on a site will disturb soil or remove vegetation on 0.5 acre or more acres of land during the life of the construction project" that "an approved Stormwater Pollution Prevention Plan (SWP3) for the project must be provided and implemented by the construction site operator". Additionally, "the plan will not be released for construction until a SWP3 has been obtained and approved by the Engineering Department." The City of Springdale utilizes a standard Stormwater Pollution Prevention Plan (SWPPP) checklist, included in our SWMP Appendix A, to ensure that the requirements of the general permit are verified within each individual SWP3 (or SWPPP). After the approval of the SWPPP, implementation of the approved SWPPP is defined in Section 107.3.D.2, which includes installation and maintenance requirements of the control measures.

f. <u>Authority to Receive and Collect Information</u> – The City must have the authority to request from operators of construction sites, new or redeveloped land, and industrial and commercial facilities information such as stormwater plans, inspection reports, and monitoring results, and other information deemed necessary to assess compliance with this permit. The City must also have the authority to review designs and proposals for new development and redevelopment to determine whether adequate stormwater control measures will be installed, implemented, and maintained.

**Action Item:** Section 107.3.D.2 states that "the operator or their qualified person or persons shall be able to provide, upon the Stormwater Manager's request, a copy of the SWP3 on site" and that "a copy of an approved Grading or Erosion Control Plan, and a copy of the approved Dust Control Plan, showing the location of all approved BMPs, attached to a copy of the Grading Permit, must be clearly visible and maintained at the approved construction entrance". Additionally, a requirement within Section 107.7.H. *Monitoring of Discharges* requires operators to have the authority of "examination and copying of records that must be kept under the conditions of an NPDES permit to discharge stormwater".

g. <u>Authority to Inspect</u> – The City must have the authority to enter private property for the purpose of inspecting at reasonable times any facilities, equipment, practices, or operations related to stormwater discharges to determine whether there is compliance with local stormwater control ordinances/standards or requirements in this Permit.

Action Item: Section 107.7.H clarifies that the monitoring of discharges includes that through construction activity, and states that "operators shall allow the authorized enforcement agency ready access to all parts of the premises for the purposes of inspection, sampling, examination and copying of records that must be kept under the conditions of an NPDES permit to discharge stormwater, and the performance of any additional duties as defined by state and federal law." Additionally, the City of Springdale requires two signatures on a Grading Permit Application form, one from the Operator and one from the *Permittee*. The signature of the *Operator* (responsible for the defined activities and any violations thereof), agrees to the terms as defined in Section 107.3.A.1 stating the "the operator of a site of construction activity shall be responsible for compliance with the requirements of this ordinance." However, the *Permittee* (the owner or authorized representative of the owner), must sign an agreement stating that the permittee "give[s] the City of Springdale authorization to access said project property and location, and inspect all work completed by the Operator for compliance before, during, and after any construction activities until the Grading Permit is terminated and Completion of Construction, as defined in Chapter 107, has been completed and approved by the City of Springdale Stormwater Manager." Also, Section 107.4.B. Right of Entry and Sampling states that "whenever an authorized enforcement person has cause to believe that there exists, or potentially exists, in or upon any premises any condition which constitutes a violation of this ordinance, the enforcement person shall have the right to enter the premises at any reasonable time to determine if the discharger is complying with all requirements of this ordinance. In the event that the owner or occupant refuses entry after a request to enter has been made, the City is hereby empowered to seek assistance from a court of competent jurisdiction in obtaining such entry."

- h. <u>Response to Violations</u> The City must have the ability to promptly require that violators cease and desist illicit discharges or discharges of stormwater in violation of any ordinance or standard and/or cleanup and abate such discharges, including the ability to:
  - a. Effectively require the discharger to abate and clean up their discharge, spill, or pollutant release within 7 days of notification; or
  - b. For uncontrolled sources of pollutants that could pose an environmental threat, require abatement within 7 days of notification; or,
  - c. Perform the clean-up and abatement work and bill the responsible party, if necessary.
  - d. If a situation persists where pollutant-causing sources or activities are not abated, provide the option to order the cessation of activities until such problems are adequately addressed.
  - e. When all parties agree that clean-up activities cannot be completed within the timeframe provided, determine a new timeframe and notify the Stormwater Manager.

Action Items: Section 107.4.D Enforcement Options for Failure to Comply states that the "Engineering Director in conjunction with the Chief Building Inspector may issue a stop work order to any persons violating any provision of the City's Stormwater Pollution Prevention, Erosion Control, and Grading Ordinance by ordering that all site work stop except that necessary to comply with any administrative order." The City of Springdale defines in Section 107.4.C.1 that "every effort is made to use the Construction Review process to correct deficiencies in site compliance whenever possible." The Construction Review process includes the use of the Construction Review Inspection Report (CSIR) form. The form, which is provided to the operator after each inspection and recorded in the project log for City records, includes a standard 7 day compliance notice stating that "off-site sediment tracking must be removed by the end of the business day following the day of the CSIR receipt" and that "all other corrective actions shall be made within 7 days of the CSIR receipt." When requirements are not met, a Notice of Violation form is completed, and pursuant to Section 107.4.C.1.a "the operator or authorized agent shall be given a notice of violation" which "shall be specific to the noted violation, corrective measures to be taken, and a time frame allowed for work to be completed." Pursuant to Section 107.4.C.1.b "at the end of the time period specified [in the Notice of Violation], a follow-up site inspection shall take place to determine whether compliance has been achieved." If the items are resolved, the authorized official will complete the appropriate fields on the Notice of Violation to lift the violation so that "the site shall be returned to a normal Construction Review status." If violations are not corrected, "further actions may be initiated as outlined in [Section 107.4.D]."

- i. <u>Monetary Penalties</u> The City must have the ability to:
  - a. Levy citations or administrative fines against responsible parties either immediately at the site, or within a few days
  - b. Require recovery and remediation costs from responsible parties.

**Action Items:** The City, through the Code Enforcement division of the Neighborhood Services department, is granted authority by the Washington County District Court Springdale Division judge to issue citations for any code violation on-site if the Director of Neighborhood Services or a Code Enforcement official believes that the violation requires immediate citation. However, through the typical construction review process as defined in the ordinance, citations may be issued by other approved staff as defined through the appropriate processes. A schedule of fines is defined within Chapter 107.4.I. *Violations/Schedule of Fines*. A requirement for recovery and remediation of costs for the responsible parties is defined in Section 107.4.F.1. *Recovery of Costs* and states that "within 30 days after abatement by City representatives, the Director shall notify the property owner of the costs of abatement, including administrative costs, and the deadline for payment."

j. <u>Civil/Criminal Penalties</u> – The City must have the ability to impose more substantial civil or criminal sanctions (including referral to a city or district attorney) and escalate corrective response, consistent with its enforcement response plan developed pursuant to Part 1.5, for persistent non-compliance, repeat or escalating violations, or incidents of major environmental harm.

**Action Items:** Section 107.4.G *Criminal Penalties* states that "the violation of any provision of [Chapter 107] shall be deemed a municipal offence. Any person violating this ordinance shall, upon an adjudication of guilt or plea of no contest, be fined according to the schedule of fines. Each separate day on which a violation is committed or continues shall constitute a separate offense." Upon a failure to comply, the Stormwater Manager forwards the Notice of Violation to the Neighborhood Services director and the City Attorney to escalate corrective response.

k. <u>Interagency Agreements</u> – Control of the contribution of pollutants from one portion of the shared MS4 to another portion of the MS4 through interagency agreements or other similar agreements with other owners of the MS4, such as the City of Fayetteville, City of Bethel Heights, City of Elm Springs, and the City of Johnson.

**Action Items:** The City of Springdale participates in a regional MS4 compliance group sponsored by the Northwest Arkansas Regional Planning Commission (NWARPC) to foster relationships with neighboring MS4s that also participate in the group.

**1.4.3.** The City acknowledges that it must include as part of its written SWMP document a statement certified by its chief legal counsel that the City of Springdale has taken the necessary steps to obtain and maintain full legal authority to implement and enforce each of the requirements contained in this permit. This statement must include:

- a. Identification of all departments within the City's jurisdiction that conduct stormwater-related activities and their roles and responsibilities under this permit. Include an up-to-date organizational chart specifying these departments, key personnel, and contact information.
- b. Identification of the local administrative and legal procedures and ordinances available to mandate compliance with stormwater-related ordinances and therefore with the conditions of this permit.
- c. A description of how stormwater related-ordinances are implemented and appealed.
- d. A description of whether the municipality can issue administrative orders and injunctions, or whether it must go through the court system for enforcement actions.

# Action Items: A certified statement from the City Attorney is located on pages 2, 3, and 4 of this document.

## 1.5 Enforcement Measures and Tracking.

**1.5.1.** The City acknowledges that it must continue to implement, and revise within 12 months of permit issuance if necessary, an enforcement response plan (ERP), which sets out the City's potential responses to violations and addresses repeat and continuing violations through progressively stricter responses as needed to achieve compliance. The ERP must describe how the City will use each of the following types of enforcement responses based on the type of violation:

1. <u>Verbal Warnings</u> – Verbal warnings are primarily consultative in nature. At a minimum, verbal warnings must specify the nature of the violation and required corrective action.

Action Item: Verbal Warnings are provided and documented for record when a Site Supervisor is on site during inspections. Items that are not in compliance, whether the Site Supervisor is or is not on site, are documented in the Construction Review Inspection Report for record, and stored digitally in the project log in the Engineering Department's Project Management System. Whether a supervisor is or is not on site, a copy of the CSIR is sent via email to the Operator to the email address provided on the Grading Permit Application for the Operator. See Construction Review Inspection Report (CSIR) in Appendix A.

2. <u>Written Notices</u> – Written notices of violation (NOVs) must stipulate the nature of the violation and the required corrective action, with deadlines for taking such action.

**Action Item:** A written notice, or Notice of Violation, is issued when a CSIR does not bring the project into compliance with ordinance through a typical construction review or if there is an issue severe enough to require more critical immediate action. The Notice of Violation (NOV) is sent to the Operator typically via Certified Mail and email, and usually includes photographs and a memo. A copy of the NOV is maintained in stored digitally in the project log in the Engineering Department's Project Management System.

- <u>Escalated Enforcement Measures</u> The City must have the legal ability to employ any combination of the enforcement actions below (or their functional equivalent), and to escalate enforcement responses where necessary to address persistent non-compliance, repeat or escalating violations, or incidents of major environmental harm:
  - a. *Citations (with Fines)* The ERP must indicate when the City will assess monetary fines, which may include civil and administrative penalties.

**Action Item:** The ability "initiate criminal action by citation" is defined in Section 107.4.A and also Section 107.7.N.1. Sec. 107.4.A states that "personnel shall have the power to issue Notice of Violations, citations and implement other enforcement actions" and Sec. 107.7.N.1 states that "in the event of failure to comply on the part of any person, firm, public utility, or corporation to comply fully within the provisions of this ordinance, any law enforcement or code authority of the City is authorized to [...] initiate criminal action by citation." A schedule of fines is defined in Section 107.7.I. Violations/Schedule of Fines. Other penalties are defined throughout Section 107.4 and Section 107.7.

b. *Stop Work Orders* – The City must have the authority to issue stop work orders that require construction activities to be halted, except for those activities directed at cleaning up, abating discharge, and installing appropriate control measures.

**Action Item:** Chapter 107.4.D.1 states that "the City of Springdale Engineering Director in conjunction with the Chief Building Inspector may issue a stop work order to any persons violating any provision of the City's Stormwater Pollution Prevention, Erosion Control, and Grading Ordinance by ordering that all site work stop except that necessary to comply with any administrative order."

c. *Withholding of Plan Approvals or Other Authorizations* – Where a facility is in noncompliance, the ERP must address how the City's own approval process affecting the facility's ability to discharge to the MS4 can be used to abate the violation.

**Action Item:** Chapter 107.7.F. Suspension of Storm Drainage System Access lists two methods to suspend access to the MS4. The first is suspension due to illicit discharges in emergency situations, and the second is suspension due to the detection of illicit discharge. This includes that "any person discharging to the storm drainage system in violation of this ordinance may have their storm drainage system access terminated if such termination would abate or reduce an illicit discharge."

d. Additional Measures – The City may also use other escalated measures provided under local legal authorities. The City may perform work necessary to improve erosion control measures and collect the funds from the responsible party in an appropriate manner, such as collecting against the project's bond or directly billing the responsible party to pay for work and materials.

**Action Item:** The City defines multiple additional measures of enforcement throughout Chapter 107, including but not limited to, the ability to lien costs of recovery on property owners (Section 107.4.F.1), terminate utility services (Section 107.4.F.2), and the ability to require performance bonds (Section 107.4.F.3).

**1.5.2** Enforcement Tracking – The City acknowledges that it must track instances of non-compliance either in hard-copy files or electronically. The enforcement case documentation must include, at a minimum, the following:

- a. Name of owner/operator of facility or site of violation
- b. Location of stormwater source (i.e., construction project, industrial facility)

- c. Description of violation
- d. Required schedule for returning to compliance
- e. Description of enforcement response used, including escalated responses if repeat violations occur or violations are not resolved in a timely manner
- f. Accompanying documentation of enforcement response (e.g., notices of noncompliance, notices of violations)
- g. Any referrals to different departments or agencies
- h. Date violation was resolved.

**Action Item:** The Notice of Violation form is used for Enforcement Tracking in instances of noncompliance. It is stored electronically and includes all of the required items listed above. See Notice of Violation Form in Appendix A.

**1.5.3** Recidivism Reduction – The City acknowledges that it is required to identify chronic violators of any SWMP component and reduce the rate of noncompliance recidivism. The City must summarize inspection results by these chronic violators and include incentives, disincentives, or an increased inspection frequency at the operator's sites.

**Action Item:** The City of Springdale incentivizes compliance by only inspecting the site one time per month for sites that are in compliance. The City's policy for offenders is to inspect as stated in any previously completed CSIR for compliance, NOV for compliance, or through additional complaints. Sites that are defined as a "Frequent Offender" per Section 107.4.C.4.b. are those in which "an individual or company has been reviewed at any time in the preceding 36 months". Sec. 107.4.C.4.b states also that "repeat offenders will be issued a citation (ticket) upon verification of non-compliance with the City's Stormwater Pollution Prevention, Erosion Control, and Grading Ordinance and the steps needed to be taken to get into compliance will be outlined along with an established time frame to complete the work."

# 1.6 Requirement to Ensure Adequate Resources to Comply with MS4 Permit.

**1.6.1** Secure Resources – The City acknowledges that it must secure the resources necessary to meet all requirements of this permit.

Action Item: The City of Springdale employs qualified staff and provides regular training opportunities to ensure ordinance and policy is maintained, implemented, and enforced appropriately. Current staffing includes a Stormwater Manager and a Stormwater Coordinator to complete required inspections. Use of City resources such as vehicles and equipment are made available to qualified/authorized staff.

**1.6.2** Annual Fiscal Analysis – The City acknowledges that it must conduct an annual analysis of the capital and operation and maintenance expenditures needed, allocated, and spent as well as the necessary staff resources needed and allocated to meet the requirements of this permit, including any development, implementation, and enforcement activities required. The analysis must include estimated expenditures for the reporting period, the preceding period, and the next reporting period and be submitted with the annual report.

a. Each analysis must include a description of the source of funds that are proposed to meet the necessary expenditures, including legal restrictions on the use of such funds.

Action Item: The City approves a budget annually, typically in December of each year. Items are coded by use, and restrict usage on the specifically defined line item.

b. Each analysis must include a narrative description of circumstances resulting in a 25 percent or greater annual change for any budget line items.

**Action Item:** Changes to budget items require approval from City Council. Changes relative to Stormwater staffing will be reported in the annual report.

c. Each analysis must include a description of the staff resources necessary to meet the requirements of this permit.

Action Item: Currently the City Budget for 2019 allots approximately \$4,000 of an \$8,000 line item for maintenance and fuel for the Stormwater Program's inspection vehicle. Additionally, there are two positions staffed by the City of Springdale for the Stormwater Management Program. The Senior Project Designer is defined as the Stormwater Manager in the Position Description's Essential Duties and Responsibilities item 17 which defines the position to "manage the City of Springdale Stormwater Program as the Stormwater Manager". This position is budgeted as a Grade 26, which reserves funds between \$53,416 and \$78,550 annually as of the 2019 Budget period, relative to which "Step" the employee is categorized. Furthermore, the Stormwater & Floodplain Program Coordinator is defined as the MS4 Cognizant Official and is defined by the Position's Description to be responsible to "implement, administer and enforce the City's National Pollution Discharge Elimination Systems (NPDES) Phase II Permit and the Cognizant Official on behalf of the City of Springdale for the MS4 Program."

# Part 2. Public Education & Outreach on Stormwater Impacts & Public Involvement & Participation

# 2.1 Summary.

The Phase II Regulations require MS4 permittees to develop programs to educate the public about the impact of stormwater discharges on local waterways and the steps that citizens, businesses, and other organizations can take to reduce the contamination of stormwater (40 CFR 122.34(b)(1),(2)).

## 2.2 Developing a Comprehensive Stormwater Education/Outreach Program.

2.2.1. The City of Springdale must:

- a. Continue to implement, and revise if necessary within the first year after permit issuance, a comprehensive stormwater education/outreach program. The program must, at a minimum:
  - 1. Define the goals and objectives of the program based on at least three high priority, community-wide issues (e.g. reduction of nitrogen in discharges from the MS4, promoting pervious techniques used in the MS4);

**Action Item:** The City of Springdale defined these goals as "purpose and objectives" of the ordinance in Chapter 107.1.A. These are:

<u>**Goal 1.**</u> To maintain and improve the quality of water impacted by the storm drainage system within the City of Springdale.

**Goal 2.** To prevent the discharge of contaminated stormwater runoff and illicit discharges from industrial, commercial, residential, and construction sites into the storm drainage system within the City of Springdale.

**Goal 3.** To promote public awareness of the hazards involved in the improper discharge of trash, yard waste, lawn chemicals, pet waste, wastewater, oil, petroleum products, cleaning products, paint products, hazardous waste, sediment and other pollutants into the storm drainage system.

<u>**Goal 4.**</u> To encourage recycling of used motor oil and safe disposal of other hazardous consumer products.

<u>**Goal 5.**</u> To facilitate compliance with state and federal standards and permits by owners of construction sites within the City.

**Goal 6.** To enable the City to comply with all federal and state laws and regulations applicable to the National Pollutant Discharge Elimination System (NPDES) permitting requirements for stormwater discharges.

- 2. Identify and analyze the target audience(s);
- 3. Create an appropriate message(s) based on at least three targeted residential issues and three targeted industrial/commercial issues from the suggested list below (or three issues deemed more appropriate to the MS4):

Residential Community	Industrial/Commercial Community
Residential Community           • Residential car washing and auto maintenance control measures           • Off-pavement automobile parking           • Home and garden care activities (pesticides, herbicides, and fertilizers)           • Disposal of household hazardous waste (e.g. paints, cleaning products)           • Snow removal activities           • Using techniques that keep water onsite and/or reduce imperviousness (rain barrels, rain gardens, porous pavers, permeable concrete, porous asphalt, etc.)           • Litter prevention           • Importance of native vegetation for preventing soil erosion           • Public reporting of water quality issues           • Community activities (monitoring programs, environmental protection organization activities, etc.)	Industrial/Commercial Community Automobile repair and maintenance Control measures Control measure installation and maintenance Lawful disposal of vacuum truck and sweeping equipment waste Pollution prevention and safe alternatives Snow removal activities Using techniques that keep water onsite and/or reduce imperviousness (rain barrels, rain gardens porous pavers, permeable concrete, porous asphalt, etc.) Equipment and vehicle maintenance and repair Importance of good housekeeping (e.g. sweeping impervious surfaces instead of hosing) Illicit discharge detection and elimination observations and follow-up during daily work activities Water quality impacts associated with land development (including new construction and
etc.) Pet and other animal wastes	<ul> <li>development (including new construction and redevelopment)</li> <li>Water quality impacts associated with road resurfacing and repaying</li> </ul>

- 4. Develop appropriate educational materials (e.g. the materials can utilize various media such as printed materials, billboard and mass transit advertisements, signage at select locations, radio advertisements, television advertisements, websites);
- 5. Determine methods and process of distribution;
- 6. Evaluate the effectiveness of the program; and
- 7. Utilize public input (e.g., the opportunity for public comment, or public meetings) in the development of the program.
- b. During the term of the permit, the City must distribute the educational materials, using whichever methods and procedures determined appropriate by the City, in such a way that is designed to convey the program's message to specified percentages of each identified target audience each year.
- c. Within the permit term, the City must assess changes in public awareness and behavior resulting from the implementation of the program such as using a statistically valid survey and modify the education/outreach program accordingly.
- d. The City must assess its stormwater education/outreach program annually as specified in Part 8.3 of this permit. The City must adjust its educational materials and the delivery of such materials to address any shortcomings found as a result of this assessment.
- e. Written procedures for implementing this program must be incorporated into the SWMP document.

### Minimum Control Measure #1: Public Education and Outreach on Stormwater Impacts

#### **Decision Process**

The NWA Stormwater Compliance Group meets to discuss stormwater pollution prevention and provide input on education activities. The NWA Stormwater Education Steering committee (public membership comprised of diverse backgrounds/interests) convenes at least once each year to review and evaluate program accomplishments and plan next steps. Both groups provide the localized input used to identify critical stormwater pollutants, education needs, target audiences, program methods, and public relations strategies.

### Public Education/Outreach BMPs

<u>Develop and distribute educational materials</u>.<sup>3</sup> Input from both the MS4 Stormwater Compliance Group and Education Steering Committee guides the emphases of electronic and printed educational materials. Once topics are identified, materials will be developed, adapted, and/or gathered for distribution at public meetings, in support of presentations, and with educational displays. Examples may include fact sheets, videos, social media content, website content, newsletters, press releases, and PSAs.

#### Measureable Goals:

- Mechanism types and numbers of educational materials will be documented.
- Develop 5 educational materials across the permit term.
- Attendance of MS4 Stormwater Compliance Group and Education Steering Committee meetings will be documented.

*Conduct stormwater education activities.* Educational presentations will be given to illustrate stormwater dynamics, identify potential pollutants and pathways, describe techniques to reduce stormwater pollution and encourage voluntary BMP implementation according to the annual topic/audience emphases outlined in the following table.

### Measureable Goal:

• Stormwater education programs will be conducted and documented.

### **Responsible Party**

The Northwest Arkansas Regional Planning Commission and the University of Arkansas Cooperative Extension Service have contracted with the municipality to be responsible for the development and implementation of the public education efforts. A copy of that agreement is included in this plan.

### Performance Standard:

Urban stormwater outreach/education programs will reach at least 50% of the urbanized area population.

2020	2021	2022	2023	2024
<i>Topic Emphasis:</i> Storm drain awareness/ dumping	<i>Topic Emphasis:</i> Litter	<i>Topic Emphasis:</i> Sediment control	<i>Topic Emphasis:</i> Yard waste	<i>Topic Emphasis:</i> Automotive maintenance and Household Hazardous Waste (HHW)
<i>Target Audience:</i> General public	<i>Target Audience:</i> General public	<i>Target Audience:</i> Land development community	<i>Target Audience:</i> General public and green industry	<i>Target Audience:</i> General public and vehicle owners
<i>Rationale:</i> Pollutants entering the storm drain system degrade water quality	Rationale: Improper handling and disposal of litter can allow it to enter the storm drain system and degrade water quality	<i>Rationale:</i> Sediment leaving construction sites can enter the storm drain system and degrade water quality	Rationale: Improper yard waste disposal can clog drainage ways and excess fertilizer and pesticide applications can enter the storm drain system and degrade water quality	Rationale: Improper vehicle maintenance and HHW disposal can allow pollutants to enter the storm drain system and degrade water quality
# 2.3 Involving the Public in Planning and Implementing the SWMP.

**2.3.1.** The City is required to involve the public in the planning and implementation of activities related to the development and implementation of the SWMP. At a minimum, the City must:

Establish a citizen advisory group or utilize existing citizen organizations. The City may establish a stand-alone group or utilize an existing group or process. The advisory group must consist of a balanced representation of all affected parties, including residents, business owners, and environmental organizations in the MS4 area and/or affected watershed. The City must invite the citizen advisory group to participate in the development and implementation of all parts of the community's SWMP.

**Action Item:** The City of Springdale utilizes input provided through an established stand-alone MS4 Compliance Group which is an existing process and endorsed by the Arkansas Department of Environmental Quality. Additionally, through the ordinance revision and implementation process, the general public, including residents, business owners, and environmental organizations are provided the opportunity for public input in the process of revising and approving ordinance.

Create opportunities for citizens to participate in the implementation of stormwater controls (e.g., stream clean-ups, storm drain stenciling, volunteer monitoring, and educational activities).

Action Item: The City of Springdale participates in stream clean-ups, storm drain stenciling, volunteer monitoring, and educational activities through partnerships with the University of Arkansas Extension Offices, local organization-led event participation and support such as Tyson Foods Spring Creek Cleanups with City of Springdale Public Works providing equipment for debris, routine and advanced maintenance of tributaries through the Public Works department, and various other methods. Additionally, the City of Springdale utilizes a partnership with the Community Service Division of the Springdale Police Department to request regular cleanups for specific sites requiring additional attention. These cleanups are typically in the form of trash/debris cleanup or vegetation removal, as needed, to maintain a healthy watershed.

# 2.3.2. Written procedures for implementing this program must be incorporated into the SWMP document.

**Action Items:** The Stormwater Coordinator and/or the Stormwater Manager participate in regional MS4 meetings as scheduled, and assist in organizing local efforts for tributary cleanups, storm drains stenciling, volunteer monitoring, and educational activities as requested and authorized by the Director of Engineering and/or Public Works. For areas identified as potential regular cleanup points along a named or unnamed tributary, right-of-way, or drainage easement, a Community Service Stormwater Restoration Request Form as seen in Appendix A is submitted to the Community Service Supervisor for scheduling regular cleanups. Additionally, an understanding for the MS4 Jurisdictions of Northwest Arkansas and the Northwest Arkansas Regional Planning Commission will be signed and maintained, as seen below.

Action Items: Minimum Control Measure #2.

# Minimum Control Measure #2: Public Involvement/Participation

#### **Decision Process.**

The NWA Stormwater Compliance Group meets to discuss stormwater pollution prevention and provide input on education activities. The NWA Stormwater Education Steering committee (public membership comprised of diverse backgrounds/interests) convenes at least once each year to review and evaluate program accomplishments and plan next steps. Both groups provide the localized input used to identify critical stormwater pollutants, education needs, target audiences, program methods, and public relations strategies.

### Target Audience.

The audience for public involvement programs and activities will be the general public and may include businesses, trade associations, environmental groups, homeowners, and civic organizations.

#### Public Involvement/Participation BMPs.

#### Engage Residents in Public Participation/Involvement Activities.

Input from both the MS4 Stormwater Compliance Group and Education Steering Committee guides the emphases of educational materials, educational programs, and public involvement efforts. Residents will participate in public involvement activities. Examples may include stormwater compliance meetings, stormwater steering meetings, clean ups, etc.

Measureable Goal:

Public participation activities will be documented.

### Responsible Party.

The Northwest Arkansas Regional Planning Commission and the University of Arkansas Cooperative Extension Service have contracted with the municipality to be responsible for the development and implementation of the public involvement efforts. A copy of that agreement is included in this plan.

#### Performance Standard.

At least 5 public participation and involvement activities will be coordinated over the permit term.

#### MEMORANDUM OF UNDERSTANDING FOR THE MS4 JURISDICTIONS OF NORTHWEST ARKANSAS AND THE NORTHWEST ARKANSAS REGIONAL PLANNING COMMISSION

WHEREAS, eighteen cities in Benton and Washington Counties, the counties themselves, and the University of Arkansas meet the U.S. Environmental Protection Agency's "small" urbanized area municipal separate storm sewer (MS4) criteria, and must comply with national Phase II Stormwater Regulations, and

WHEREAS, the Arkansas Department of Environmental Quality (ADEQ), the state agency authorized by EPA to issue National Pollutant Discharge Elimination System (NPDES) permits requiring and ensuring compliance, will establish dates for affected entities to be covered under Arkansas' general permit for MS4s; and

WHEREAS, said permit requires development, implementation, and evaluation of a stormwater management plan, that addresses each of the six minimum control measures identified in the Phase II Storm Water Regulations contained in 40 CFR 122.26 and outlined in Part LB.; and

WHEREAS, the Northwest Arkansas Regional Planning Commission (NWARPC) has coordinated meetings between representatives of affected jurisdictions in an effort to determine, in the interest of economy and efficiency, whether certain stormwater permit components could be addressed collectively, rather than individually; and

WHEREAS, it has been determined that a cost effective, regional approach to certain minimum control measures required as part of the permit – namely Public Education and Outreach, Public Involvement and Participation, and the education component of Pollution Prevention/Good Housekeeping – is both logical and appropriate; and

WHEREAS, the NWARPC previously requested and received statements of qualifications from interested institutions and firms with demonstrated water quality educational expertise, and has, in cooperation with representatives of affected MS4 jurisdictions, endorsed the attached proposal from the University of Arkansas Cooperative Extension Service; and

WHEREAS, the ADEQ has endorsed the regional concept and proposal for addressing said minimum control measures; and

WHEREAS, said representatives of affected MS4s have also endorsed the distribution of costs associated with the proposal as shown on the attached cost allocation plan; and WHEREAS, the Board of Directors of the NWARPC have authorized the Commission to act as the financial clearinghouse and primary contractor, on behalf of said MS4s, in connection with said proposal.

NOW, THEREFORE BE IT RESOLVED THAT WE, THE UNDERSIGNED MS4 JURISDICTION, AND THE BOARD OF DIRECTORS OF THE NORTHWEST ARKANSAS REGIONAL PLANNING COMMISSION, AGREE AS FOLLOWS:

SECTION 1. To participate in a 1-Year Regional Stormwater Education and Coordination Program (January 1, 2014 – December 31, 2014), to be carried out by the University of Arkansas Cooperative Extension Service through an engagement with the Northwest Arkansas Regional Planning Commission, with costs based on each jurisdiction's pro-rated share of reglon's 2010 urbanized area population; it being understood that said services to be provided shall satisfy requirements for the federally mandated minimum control measures referenced herein. Commitments for participation in said program in future years will require governing body approval on a year-to-year basis.

SECTION 2. To participate financially in accordance with the attached cost allocation plan. Any increases in the costs allocated to the undersigned MS4 due to the failure of other MS4 jurisdictions to participate shall be subject to the approval of the undersigned MS4.

SECTION 3. That all funds received by NWARPC from MS4s shall be utilized in their entirety for stormwater management program services and coordination activities in connection with EPA Phase II Stormwater Program requirements, and shall be accounted for separately from all other Commission funds.

Dated this 12 day of FE	BRUARY, 2018.4
Springdale Sprouse	MS4 Jurisdiction
Jett Harkins	NWARPC

# Part 3. Illicit Discharge Detection and Elimination (IDDE)

# 3.1 Summary.

Phase II stormwater management programs (see 40 CFR 122.26(d)(2)(iv)(B)) are required to address illicit discharges into the MS4 system. An illicit discharge is defined as any discharge to a municipal separate storm sewer system that is not composed entirely of stormwater, except allowable discharges pursuant to an NPDES permit (40 CFR 122.26(b)(2)). In addition to requiring the City to have the legal authority to prohibit non-stormwater discharges from entering storm sewers (CWA Section 402(p)(3)(B)) (see Chapter I), MS4 permits must also require the development of a comprehensive, proactive Illicit Discharge Detection Elimination (IDDE) program.

# 3.2 IDDE Program Development.

**3.2.1.** The City must continue to implement a program to detect, investigate, and eliminate non-stormwater discharges (see Part 1.4.2), including illegal dumping, into its system. The IDDE program must include the following:

- a. An up-to-date storm sewer system map (see Part 3.3).
- b. Procedures for identifying priority areas within the MS4 likely to have illicit discharges, and a list of all such areas identified in the system (see Part 3.4)
- c. Field screening to detect illicit discharges (see Part 3.5)
- d. Procedures for tracing the source of an illicit discharge (see Part 3.6)
- e. Procedures for removing the source of the discharge (see Part 3.6)

Procedures for program evaluation and assessment (see Part 8.3)

f. Procedures to prevent and correct any on-site sewage disposal systems that discharge into the MS4.

**3.2.2.** In implementing the IDDE program, the City may conduct such investigations, contract for investigation, coordinate with storm drain investigation activities of others, or use any combination of these approaches.

**3.2.3.**-For non-traditional MS4 permittees, if illicit connections or illicit discharges are observed related to another operator's municipal storm sewer system then the permittee must notify the other operator within [*insert applicable deadline, e.g., within 48 hours*] of discovery.

**3.2.4.** If another operator notifies the City of an illegal connection or illicit discharge to the municipal separate storm sewer system then the City must follow the requirements specified in Part 3.6.4.

**3.2.5**. Written procedures for implementing this program, including those components described in Parts 3.2 – 3.8 must be incorporated into the SWMP document.

# 3.3 MS4 Mapping.

**3.3.1.** The City must maintain an up-to-date and accurate storm sewer system map.

The storm sewer system map must show the following, at a minimum:

- 1. The location of all MS4 outfalls and drainage areas contributing to those outfalls that are operated by the City, and that discharge within the City's jurisdiction to a receiving water
- 2. The location (and name, where known to the City) of all waters receiving discharges from those outfall pipes. Each mapped outfall must be given an individual alphanumeric identifier, which must be noted on the map. When possible, the outfalls must be located using a geographic position system (GPS) and photographs should be taken to provide baseline information and track operation & maintenance needs over time.
- 3. Priority areas identified under Part 3.4
- 4. Field screening stations identified under Part 3.5.2.a
- b. A copy of the storm sewer system map must be available onsite for review by the permitting authority.

# 3.4 Identification of Priority Areas.

**3.4.1.** The City must continue to identify the following as priority areas which impact the watersheds for the Illinois River Watershed and Beaver Lake Watershed, specifically those impacting the tributaries of and including Spring Creek, Clear Creek, Brush Creek, Little Wildcat Creek, and Friendship Creek:

- a. Areas with older infrastructure that are more likely to have illicit connections;
- b. Industrial, commercial, or mixed use areas;
- c. Areas with a history of past illicit discharges;
- d. Areas with a history of illegal dumping;
- e. Areas with onsite sewage disposal systems;
- f. Areas with older sewer lines or with a history of sewer overflows or cross-connections; and
- g. Areas upstream of sensitive waterbodies.

**3.4.2.** The City must document the basis for its selection of each priority area and create a list of all priority areas identified in the system. This priority area list must receive quinquennial updates to reflect changing priorities and be available for review by the permitting authority.

# 3.5 Field Screening.

**3.5.1.** The City must continue to implement and revise if necessary within 12 months of permit issuance a written dry weather field screening and analytical monitoring procedures to detect and eliminate illicit discharges to the MS4. These procedures must be included as part of the IDDE program, and incorporated into the City's SWMP document. Dry weather field screening and analytical monitoring consists of (1) field observations; (2) field screening monitoring; and (3) analytical monitoring at selected stations.

3.5.2. Conduct dry weather field screening and analytical monitoring. At a minimum, the City must:

- a. Identify a minimum of 18 stations within the priority areas it identified in Part 3.4.1 at which field screening and analytical monitoring will take place. In addition, if the City is made aware of non-stormwater discharges that occur during the permit term outside of the priority areas, the City must include field screening stations in those areas;
- b. Conduct dry weather field screening and analytical monitoring at each station identified above at least once annually during the dry season.
- c. Sample runoff according to requirements outlined in (1) and (2) below if flow or ponded runoff is observed at a field screening station and there has been at least seventy-two (72) hours of dry weather. The City must also record general information such as time since last rain, quantity of last rain, site descriptions (e.g., conveyance type, dominant watershed land uses), flow estimation (e.g., width of water surface, approximate depth of water, approximate flow velocity, flow rate), and visual observations (e.g., odor, color, clarity, floatables, deposits/stains, vegetation condition, structural condition, and biology).
  - Field screening requirements: The City is required to conduct a field screening analysis for the following constituents. Samples must be collected and analyzed consistent with the procedures required by 40 CFR Part 136. The City is required to monitor and record indications from observation such as odor, color, clarity, floatables, sediment deposits, vegetation condition, structural condition, and biology.
  - Analytical monitoring requirements: In addition to field screening, the City is required to collect samples for analytical laboratory analysis of the following constituents for a minimum of [insert percentage] of the samples taken. Samples must be collected and analyzed consistent with the procedures required by 40 CFR Part 136. The City is required to monitor and record total phosphorus and sediment.
  - Develop benchmark concentration levels for dry weather field screening and analytical monitoring results whereby exceedance of the benchmark will require follow-up investigations to be conducted to identify and eliminate the source causing the exceedance of the benchmark.
- d. Conduct a follow-up investigation under Part 4.6 if the benchmarks associated with the constituents listed above in Part 3.5.2.c(1) and (2) are exceeded; and

e. Make and record all applicable observations and select another station from the list of alternate stations for monitoring if, after two subsequent field screening tests have been completed, the field screening station is dry (i.e., no flowing or ponded runoff).

**3.5.3.** The City must assess its IDDE program every five years to determine if updates are needed. Where updates are found to be necessary, the City must make such changes with the annual report.

# 3.6 IDDE Source Investigation and Elimination.

**3.6.1.** The City is required to develop written procedures for conducting investigations into the source of all identified illicit discharges, including approaches to requiring such discharges to be eliminated.

**3.6.2.** Minimum Investigation Requirements – At a minimum, the City is required to conduct an investigation(s) to identify and locate the source of any continuous or intermittent non-stormwater discharge immediately after becoming aware of the illicit discharge.

- a. Illicit discharges suspected of being sanitary sewage and/or significantly contaminated must be investigated first.
- b. Investigations of illicit discharges suspected of being cooling water, wash water, or natural flows may be delayed until after all suspected sanitary sewage and/or significantly contaminated discharges have been investigated, eliminated and/or resolved.
- c. The City must report immediately the occurrence of any dry weather flows believed to be an immediate threat to human health or the environment to the Arkansas Department of Environmental Quality.
- d. The City must track all investigations to document at a minimum the date(s) the illicit discharge was observed; the results of the investigation; any follow-up of the investigation; and the date the investigation was closed.

**3.6.3.** Determining the Source of the Illicit Discharge –The City is required to determine and document through its investigations, carried out in Part 3.6.1, the source of all illicit discharges. If the source of the illicit discharge is found to be a discharge authorized under NPDES guidelines, no further action is required.

- a. If an illicit discharge is found, but within six (6) months of the beginning of the investigation neither the source nor the same non-stormwater discharge has been identified/observed, then the City must maintain written documentation for review by the permitting authority.
- b. If the observed discharge is intermittent, the City must document that a minimum of three (3) separate investigations were made to observe the discharge when it was flowing. If these attempts are unsuccessful, the City must maintain written documentation for review by the permitting authority. However, since this is an ongoing program, the City should periodically recheck these suspected intermittent discharges.

**3.6.4.** Corrective Action to Eliminate Illicit Discharge – Once the source of the illicit discharge has been determined, the City must immediately notify the responsible party of the problem, and require the responsible party to conduct all necessary corrective actions to eliminate the non-stormwater discharge within [specify deadline]. Upon being notified that the discharge has been eliminated, the City must conduct a follow-up investigation and field screening, consistent with Part 3.5, to verify that the discharge has been eliminated. The City is required to document its follow-up investigation. The City may seek recovery and remediation costs from responsible parties consistent with Part 1.4, or require compensation for the cost of field screening and investigations. Resulting enforcement actions must follow the SWMP ERP.

# 3.7 Public Reporting of Non-Stormwater Discharges and Spills.

**3.7.1**. The City must promote, publicize, and facilitate public reporting of illicit discharges or water quality impacts associated with discharges into or from MS4s through a central contact point, including phone numbers for complaints and spill reporting, and publicize to both internal City staff and the public. If 911 is selected, the City must also create, maintain, and publicize a staffed, non-emergency phone number with voicemail, which is checked daily.

**3.7.2.** The City must develop a written spill/dumping response procedure, and a flow chart or phone tree, or similar list for internal use, that shows the procedures for responding to public notices of illicit discharges, the various responsible agencies and their contacts, and who would be involved in illicit discharge incidence response, even if it is a different entity other than the City.

**3.7.3.** The City must conduct reactive inspections in response to complaints and follow-up inspections as needed to ensure that corrective measures have been implemented by the responsible party to achieve and maintain compliance.

# 3.8 Illicit Discharge Education & Training.

**3.8.1.** The City must continue to implement a training program for all municipal field staff, who, as part of their normal job responsibilities, may come into contact with or otherwise observe an illicit discharge or illicit connection to the storm sewer system. Contact information, including the procedure for reporting an illicit discharge, must be included in the City's fleet vehicles that are used by field staff. Training program documents must be available for review by the permitting authority.

**3.8.2.** By no later than *12 months after permit authorization*, the City must train all applicable staff identified in Part 3.8.1 above on the identification of an illicit discharge or connection, and on the proper procedures for reporting and responding to the illicit discharge or connection. Follow-up training must be provided as needed to address changes in procedures, techniques, or staffing. The City must document and maintain records of the training provided and the staff trained.

# Action Item: Minimal Control Measure #3 Illicit Discharges Detection and Elimination (IDDE)

#### Permit Requirements: The City must:

- 1. Develop, implement and enforce a program to detect and eliminate illicit discharges [as defined in 40 CFR §122.26(b)(2)] into the City's small MS4;
- 2. Maintain and update the City's a Stormwater Network GIS Layer, showing the location of all outfalls and the names and location of all waters that receive discharges from those outfalls;
- 3. To the extent allowable under State or local law, effectively prohibit, through ordinance, or other regulatory mechanism, non-stormwater discharges into the City's storm sewer system and implement appropriate enforcement procedures and actions. Possible sanctions include non-monetary penalties (such as stop work orders), fines, bonding requirements, and/or permit denials for non-compliance as stated in Section 1 of this SWMP.
- 4. Develop and implement a plan to detect and address non-storm water discharges, including illegal dumping, to the City's system; include procedures for locating and prioritizing areas likely to have illicit discharges; procedures for tracing and removing the source; and procedures for program evaluation and assessment.
- 5. Inform public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste; and
- 6. Address the following categories of non-storm water discharges or flows (illicit discharges) if the City identifies them as significant contributors of pollutants to the City's small MS4:
  - a. water line flushing
  - b. landscape irrigation
  - c. diverted stream flows
  - d. rising ground waters
  - e. uncontaminated ground water infiltration (as defined at 40 CFR §35.2005(20))
  - f. uncontaminated pumped ground water
  - g. discharges from potable water sources
  - h. foundation drains
  - i. air conditioning condensation
  - j. irrigation water
  - k. springs
  - I. water from crawl space pumps
  - m. footing drains
  - n. lawn watering
  - o. individual residential car washing
  - p. commercial on-the-lot car washing
  - q. commercial mobile car washing units
  - r. flows from riparian habitats and wetlands
  - s. de-chlorinated swimming pool discharges
  - t. street wash water and discharges or flows from firefighting activities are excluded from the effective prohibition.
- 7. The City must also develop a list of other similar occasional incidental non-storm water

discharges (e.g. non-commercial or charity car washes) that will not be addressed as illicit discharges. These non-storm water discharges must not be reasonably expected (based on information available to the City) to be significant sources of pollutants to the MS4, either because of the nature of the discharges or conditions the City have established for allowing these discharges to the City's MS4 (e.g., a charity car wash with appropriate controls on frequency, proximity to sensitive water bodies, BMPs on the wash water). The City must document in the City's storm water management program plan any local controls or conditions placed on the discharges. The City must include a provision prohibiting any individual non-storm water discharge that is determined to be contributing substantial amounts of pollutants to the City's MS4.

**8.** The City must develop a process to respond to and document complaints relating to illicit discharges.

#### Applicable City of Springdale BMPs

#### **Illicit Discharge Detection and Elimination (IDDE):**

#### **IDDE1 -** *Illicit Discharges Reporting and Tracking System*

#### Measureable Goals:

- Continue documenting the findings and method of eliminating illicit discharges located through surveys and public reporting. Utilize the Engineering Department's Project Management System to electronically record and track findings.

#### **IDDE2 -** *Illicit Discharges Response and Enforcement*

#### Measureable Goals:

- Continue documenting the location, type of illicit discharge, response required and any enforcement administered. Utilize the Engineering Department's Project Management System to electronically record and track findings.

#### **IDDE3 -** Outfall Inventory, Mapping and data base.

#### Measureable Goals:

- Utilize the ADEQ Outfall Map, updating with new outfall tracking locations as required to monitor strategically located locations throughout Springdale for dry weather screening.

#### **IDDE4 -** Water Quality Monitoring for Illicit Discharges

#### Measureable Goals:

- Continue the utilization of USGS for water quality monitoring. Document all illicit point and nonpoint sources located. Utilize the Engineering Department's Project Management System to electronically record and track findings of illicit point and nonpoint sources. Water quality monitoring reports are contracted through the USGS services, and are available on the USGS website.

#### **IDDE5 -** Citywide Illicit Discharge Detection and Elimination

Measureable Goals:

- Continue documenting all illicit discharges. Utilize the Engineering Department's Project Management System to electronically record and track findings.

- Document training activities for all applicable employees.

#### IDDE6 - Non-Stormwater Discharge Assessment

#### Measureable Goals:

- Document the location, type of non-stormwater discharge, response required and any enforcement administered. Assess any requested non-stormwater discharge using the appropriate Non-Stormwater Discharge to MS4 Request Form viewable in Appendix A of the SWMP.

### Rationale

The City has updated the previous BMPs from the prior permit to include technological improvements in electronic filing, including a comprehensive Project Management System, and Geographic Information Systems as Springdale is growing as both a City and a municipal organization. Policy and ordinance adjustments may be required over time to improve the measures.

**BMPs IDDE1** and **IDDE2** are relative to the City's processes that respond to and document complaints regarding water quality, including illicit discharges.

**IDDE1** - Most of the City staff, while doing their daily jobs will report potential illicit problem areas to the Stormwater Manager, handle through their department, or report to other departments with assessment, enforcement and or cleanup capabilities. The problem area will be investigated within 24 hours, typically. Minor infractions outside of a construction site with an active Grading Permit will be referred to Code Compliance for enforcement. A copy of the Warning Notice and/or Citation will be maintained in the Engineering Department's Project Management System, for a period of 3 years. Major infractions, and violations relative to non-compliance of an issued Grading Permit or Provisional Grading Permit will be brought to the owner's attention, followed up on, an Construction Review Inspection Report (CSIR) or Notice of Violation (NOV) filed, and enforcement protocol will be followed pursuant to the requirements of Chapter 107. Other larger incidents with water bodies, fish kills with unknown circumstances will be reported to State Fish and Wildlife and or the ADEQ for their expertise and water quality measurement capabilities. Contact information for individual departments is located in the City Attorney's certification letter at the beginning of the SWMP.

**BMP IDDE2** - The City's program to prohibit and enforce elimination of illicit discharges is described under IDDE2 and addresses regulatory authority for implementation and enforcement of the City's IDDE program is provided in Chapter 107 ordinance. The IDDE section of Chapter 107 is inclusive of all types of illicit discharges and regulatory authority.

**BMP** - The Stormwater Network including outfall mapping is maintained during the permit period. The map is updated periodically by the Engineering Department coordinating both dry weather screening and locating previously unmarked outfall locations by observing stream beds in search of IDDs, GPS locating unmarked outfall locations and recording outfall information for the outfall. Aerial photography is updated annually, typically in January, February, or March which is used to track temporal changes from year-to-year.

**BMP IDDE4** – This BMP includes the monitoring program conducted by the City to identify and track the sources of illicit discharges. Contracts with USGS began during December 2009 to sample Spring

Creek in four locations four times per year. In 2011 permanent continuous monitors were installed in two locations on Spring Creek. The locations were chosen to subdivide the tributaries entering the Creek and the ongoing program can eventually define areas that are pollution providers.

The target pollution is **total phosphorus** and **sediment**. Results of these samples will be on the USGS website. Additionally other suspected pollutants can be sampled for by USGS for and added cost beyond the contract. Requirements to inform the public regarding the hazards of illicit discharges is implemented through several of the public education BMPs such as stencils/painting drainage inlets, "Drains to Stream" (or similar) manhole covers, signage, and/or publically provided information on the City's website.

Activities conducted under **BMP IDDE5** are through training provided to staff, reporting from staff to the Stormwater Manager, and internal enforcement of NPDES standards and ordinance by the Stormwater Manager. Each staff member is offered or required to take classes offered to recognize illicit discharge issues of their facility, the field work they do, and/or how to alert appropriate enforcement departments of illicit discharges. Negative findings will be enforced by various Departments of City Enforcement and the City Code of Ordinances, primarily the Neighborhood Services Department's Code Enforcement Division and/or the Stormwater Manager.

**BMP IDDE6** Addressing non-stormwater discharges will require the City to assess illicit discharges, and determine if they adversely impact the stormwater system. If they are found to cause an adverse impact, appropriate management practices or regulations will be used. Methods to reduce illicit discharges include the Non-Stormwater Discharge to MS4 Request Form evaluation, dry weather screening, citizen complaints, ADEQ requests, and other methods based on circumstances. Tracking of these items may include associating the type of illicit discharge to certain facilities upstream using the Springdale Engineering GIS Tracking Tools, investigation by foot or vehicle, or by other various means based on circumstances. Enforcement shall follow as per Chapter 107 requirements, and in some cases, may require immediate and direct communication and involvement with ADEQ, the Benton and/or Washington County Health Department(s), or other local, state, or federal organizations.

Citizen hotline requirements are covered by public knowledge of phone numbers of City Hall, Police Dispatch, and several other City numbers. Complaints and tips phoned in regarding an incident are forwarded to the appropriate City personnel that handle the particular type situation. MS4 employees, businesses, industries and general public will be informed of the hazards associated with illicit discharges and improper disposal of wastes as necessary to protect the health and safety and under the guidance of the Director of Engineering and the City Attorney.

#### **Responsible Parties**

**Engineering** - Management and Implementation of the IDDE Control Measures, respond and investigate citizen complaints and tips, assess and enforce as necessary. Work with other local, state, and/or federal entities, such as Code Enforcement, ADEQ, and/or the EPA to ensure compliance to the program is established, maintained, and/or achieved.

**Public Works** - Recognizes illicit discharges and illegal dumping along streets, inlets, sewers, streams and water bodies and responds for the assessment and cleanup.

**Code Enforcement Division/Neighborhood Services** - Recognize illicit discharges and trash at both residential and commercial building sites and responds to assessment and enforcement as necessary in conjunction with the Stormwater Manager.

**Police** - Respond to accidental illicit discharges (car accidents or other spills on or near public streets and public places). This department reports to the necessary assessment, enforcement and cleanup departments.

**Fire** – Immediate response to accidental illicit discharges (car accidents or other spills on or near public streets and places) and Hazardous Spills.

### Summary of Measurable Goals

The measurable goals of the illicit discharges program will include:

- Track the number and document the type of calls received and the actions taken in response each year. In some cases, reports are submitted and recorded by the Arkansas Department of Environmental Quality. These reports are available on the ADEQ website.
- Update outfall GIS layer as required within the appropriate Springdale Engineering GIS layer.
- Conduct and document outfall inspections. Document illicit discharge detection actions taken. Create and develop an appropriate Outfall Inspection Report Form to include within the Stormwater Management Program.
- Track the number of illicit discharges that are encountered and document enforcement and elimination procedures that are conducted.
- Track the number of commercial/industrial uses assessed for possible illicit discharges and document resolution of illicit discharges identified.
- Complete an assessment of non-stormwater discharges along with implementing any additional local controls where identified as needed.
- Require a Non-Stormwater Discharge to MS4 Request Form to be submitted, evaluated, and recorded for any project in which a non-stormwater source discharges directly into a named or unnamed tributary.

# Action Items: Minimum Control Measure #3. Minimum Control Measure #3: 5 Year Implementation Schedule

2020	2021	2022	2023	2024
Develop and master methods of electronic records keeping using the Engineering Department's Project Management System.	Identify changes that need to be completed in City Ordinance and continue enforcement of Chapter 107.	Identify changes that need to be completed in City Ordinance and continue enforcement of Chapter 107.	Identify changes that need to be completed in City Ordinance and continue enforcement of Chapter 107.	Identify changes that need to be completed in City Ordinance and continue enforcement of Chapter 107.
Update and incorporate new forms, either in full or as samples to the general public with explanations on the City of Springdale's Engineering Website.	Incorporate any form updates to public methods of distribution. Incorporate any revisions with Annual Report submissions. Continue enforcement of Chapter 107.	Incorporate any form updates to public methods of distribution. Incorporate any revisions with Annual Report submissions. Continue enforcement of Chapter 107.	Incorporate any form updates to public methods of distribution. Incorporate any revisions with Annual Report submissions. Continue enforcement of Chapter 107.	Incorporate any form updates to public methods of distribution. Incorporate any revisions with Annual Report submissions. Continue enforcement of Chapter 107.
Conduct dry inspection of existing outfalls, covering 20% of the total number. Incorporate new outfall locations into the GIS and incorporate into the inspection plan.	Conduct dry inspection of existing outfalls, covering 20% of the total number. Incorporate new outfall locations into the GIS and incorporate into the inspection plan.	Conduct dry inspection of existing outfalls, covering 20% of the total number. Incorporate new outfall locations into the GIS and incorporate into the inspection plan.	Conduct dry inspection of existing outfalls, covering 20% of the total number. Incorporate new outfall locations into the GIS and incorporate into the inspection plan.	Conduct dry inspection of existing outfalls, covering 20% of the total number. Incorporate new outfall locations into the GIS and incorporate into the inspection plan.
Continue ongoing program with water samples of suspect sources in partnership with the USGS.	Continue ongoing program with water samples of suspect sources in partnership with the USGS.	Continue ongoing program with water samples of suspect sources in partnership with the USGS.	Continue ongoing program with water samples of suspect sources in partnership with the USGS.	Continue ongoing program with water samples of suspect sources in partnership with the USGS.
Establish an Outfall Inspection Form and incorporate an electronic filing method into the City of Springdale Engineering Department's Project Management System.	Utilize the Outfall Inspection Form to continue documenting the Outfall Location Inspections and keep a record for each inspection as identified "dry inspection" goal.	Utilize the Outfall Inspection Form to continue documenting the Outfall Location Inspections and keep a record for each inspection as identified "dry inspection" goal.	Utilize the Outfall Inspection Form to continue documenting the Outfall Location Inspections and keep a record for each inspection as identified "dry inspection" goal.	Utilize the Outfall Inspection Form to continue documenting the Outfall Location Inspections and keep a record for each inspection as identified "dry inspection" goal.

# Part 4. Construction

# 4.1 Summary.

MS4 permits must address construction-related requirements (and often more specific state requirements) found in the Federal regulations for Phase II MS4 Regulations 40 CFR 122.34(b)(4). Specific Permit Requirements should vary based on state requirements, rainfall amounts or other site-specific factors, but, in general, the requirements imposed on MS4 permittees for stormwater management of discharges associated with construction activities consist of several common requirements.

# 4.2 Construction Requirements and Control Measures.

4.2.1. The City must continue to implement a program which requires operators of public or private "construction activities" to select, install, implement, and maintain stormwater control measures that comply with the Chapter 106 – Drainage Criteria Manual, Chapter 107 – Stormwater Pollution Prevention, Grading, and Erosion Control, Chapter 107-2 – Best Management Practices, and the National Pollutant Discharge Elimination System (NPDES) requirements as incorporated within Chapter 107. "Construction activity" for this permit includes, at a minimum, all public and private construction sites that result in a total land disturbance of one half (0.5) of an acre or larger or as identified in Table 4-1. Written procedures for implementing this program, including the components described in Parts 4.3 - 4.7, must be incorporated into the SWMP document. The City's construction program must ensure the following minimum requirements are effectively implemented for all construction activity discharging to its MS4: Specific minimum requirements include:

- a. *Erosion and Sediment Controls*. Design, install and maintain effective erosion controls and sediment controls to minimize the discharge of pollutants. At a minimum, such controls must be designed, installed and maintained to:
  - 1. Control stormwater volume and velocity within the site to minimize soil erosion;

**Action Item**: Section 106.8.4.3 Storm Sewer Capacity and Velocity states that "the capacity and velocity shall be based on the Manning's "n"-values. The maximum full flow velocity shall be 20 fps. The Director of Engineering may approve, in writing, higher velocities if the design includes adequate provisions for uplift forces, dynamic impact forces, and abrasion. The minimum velocity in a pipe based on full flow shall be 2.5 fps to avoid excessive accumulations of sediment. The energy grade line (EGL) for the design flow shall be no more than 1 foot above the final grade at manholes, inlets, or other junctions. To ensure that this objective is achieved, the hydraulic grade line (HGL) and the EGL shall be calculated by accounting for pipe friction losses and pipe form losses. Total hydraulic losses will include friction, expansion, contraction, bend, manhole, and junction losses. The methods for estimating these losses are presented in the following sections.

 Control stormwater discharges, including both peak flowrates and total stormwater volume, to minimize erosion at outlets and to minimize downstream channel and streambank erosion; **Action Item**: Section 106.9.9 Concrete states that concrete-lined channels provide high capacities, but also have high outlet velocities, so erosion problems become evident and must be dealt with. Since no scour occurs in rigid linings for the velocities normally encountered in drainage design, no curves are necessary. Post-development channel with velocity 3fps or greater shall be concrete lined (or riprap when approved).

# 3. Minimize the amount of soil exposed during construction activity;

Action Item: Section 107.3.A.4 *Erosion and Sediment Control* states that "disturbed areas shall be minimized". This is reiterated in Section 107.3.A.6. *Dust Sediment Control*, and again for Section 107.3.E.3 relative to Utility Construction requirements. Specifically, Section 107.3.C.1 states that "phasing on larger construction sites 5 acres or more must be utilized to allow only disturbance on near term construction areas. Construction sites requiring cutting and filling must be seeded once the cutting and filling activity is finished."

# 4. Minimize the disturbance of steep slopes;

Action Item: Section 107.3.F.4.6.e. requires that a grading and drainage plan shall identify "no slopes steeper that a 3:1 pitch unless otherwise approved in writing by the Director of Engineering."

5. Minimize sediment discharges from the site. 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 the site;

**Action Item**: Section 107.3.A.4. *Erosion and Sediment Control* states that Best Management Practices shall be implemented to prevent the release of sediment from any size construction sites. Section 107.3.A.7. *Completion* states that the property operator and/or subsequent property owner(s) will be responsible for continued compliance with the requirements of this ordinance, in the course of maintenance, reconstruction or any other construction activity of the site.

6. Provide and maintain natural buffers around surface waters, direct stormwater to vegetated areas to increase sediment removal and maximize stormwater infiltration, unless infeasible; and

**Action Item**: Section 107.3.F.9.o. Establishes "a minimum Riparian vegetated (100% vegetated with a minimum of 80% coverage) buffer strip of at least twenty-five (25) feet wide, undisturbed except for reasonable access, shall be provided along each side of named streams, streams, creeks, rivers, lakes or other water bodies. The plan must also provide at least fifty (50 feet of buffer zone from established TMDL water bodies. streams listed on the 303 (d) list, Extraordinary Resource Water (ERW), Ecology Sensitive Water-body (ESW), Natural and Scenic Waterway (NSW), and or other uses at the discretion of the Director. The 25-foot or 50 foot strip shall be measured from the top of the bank. An exception to this requirement is allowed where the only work being done on the site is public street construction.

7. Minimize soil compaction and, unless infeasible, preserve topsoil.

**Action Item**: Section 106.10.2.5 *Soil Treatment, Seeding, and Mulching* states that "the ability of the soil to sustain vegetation intended for erosion control *shall* be ascertained."

b. Soil Stabilization. Stabilization of disturbed areas must, at a minimum, be initiated immediately whenever any clearing, grading, excavating or other earth disturbing activities have permanently ceased on any portion of the site, or temporarily ceased on any portion of the site and will not resume for a period exceeding 14 calendar days. Stabilization must be completed within a period of time determined by the *City*. In arid, semiarid, and drought-stricken areas where initiating vegetative stabilization measures immediately is infeasible, alternative stabilization measures must be employed as specified by the City.

**Action Item**: The City of Springdale defines a Completion of Construction standard in which any construction site must achieve before a Grading Permit or a Provisional Grading Permit expires, with the exception of those granted an extension. The definition of Completion of Construction includes a requirement that disturbed soil area is observed to have 80% grass coverage and 100% stabilization. This is a requirement to terminate a Grading Permit in Springdale, and Section 107.5.B.1 states that "it **shall** be a violation of this chapter if a Grading Permit is allowed to expire and Completion of Construction as defined in this chapter has not been achieved."

c. Dewatering. Discharges from dewatering activities, including discharges from dewatering of trenches and excavations, are prohibited unless managed by appropriate controls.

**Action Item**: Section 107.7.E.1.a.7 states that uncontaminated foundation or footing drains are exempt, however, that this does not include active groundwater dewatering systems.

- d. Pollution Prevention Measures. Design, install, implement, and maintain effective pollution prevention measures to minimize the discharge of pollutants. At a minimum, such measures must be designed, installed, implemented and maintained to:
  - 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;

**Action Item**: Section 107.1.D includes "wash water" as a defined illicit connection. Additionally, 107.2.C.3. Cleaning of Paved Surfaces Required states that "paved surfaces shall be cleaned by dry sweeping, wet vacuum, sweeping, collection and treatment of wash water or other methods in compliance with this Code."

2. Minimize the exposure of building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste and other materials present on the site to precipitation and to stormwater; and

**Action Item**: Section 107.2.C.6. Materials Storage states that "in addition to other requirements of this code, materials shall be stored to prevent the potential release of pollutants. The uncovered, outdoor storage of unsealed containers of trash, debris, garbage, or hazardous substances is prohibited.

3. Minimize the discharge of pollutants from spills and leaks and implement chemical spill and leak prev*ention and response procedures.* 

Action Item: Section 107.7.K. Notification of Spills states that "notwithstanding other requirements of law, as soon as any person responsible for a facility or operation, or responsible person for emergency response for a facility or operation has information of any known or suspected release of materials which are resulting or may result in illegal discharges or pollutants discharging into stormwater, the storm drain system, or waters of the City, said person shall take all necessary steps to ensure the discovery, containment, and cleanup of such release. In the event of such a release of hazardous materials said person shall immediately notify emergency response agencies of the occurrence via emergency dispatch services. In the event of a release of non-hazardous materials, said person shall notify the authorized enforcement agency in person or by phone or facsimile no later than the next business day. Notifications in person or by phone shall be confirmed by written notice addressed and mailed to the Engineering Department within three business days of the phone notice. If the discharge of prohibited materials emanates from a commercial or industrial establishment, the owner or operator of such establishment shall also retain an on-site written record of the discharge and the actions taken to prevent its reoccurrence. Such records shall be retained for at least three years."

- e. Prohibited Discharges. The following discharges are prohibited:
  - 1. Wastewater from washout of concrete, unless managed by an appropriate control;
  - 2. Wastewater from washout and cleanout of stucco, paint, from release oils, curing compounds and other construction materials;
  - 3. Fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance; and,
  - 4. Soaps or solvents used in vehicle and equipment washing.

**Action Item:** Section 107.2.A.1. says that "no person shall release or cause to be released into the storm drainage system any discharge that is not composed entirely of uncontaminated stormwater. Common stormwater contaminants include trash, yard waste, lawn chemicals, pet waste, wastewater, oil, petroleum products, cleaning products, paint products, hazardous waste and sediment."

f. Surface Outlets. When discharging from basins and impoundments, utilize outlet structures that withdraw water from the surface, unless infeasible.

**Action Item:** Section 106.10.5.2.11 Sediment Basins states that "sediment basins usually consist of a dam or embankment, a pipe outlet, and an emergency spillway. They are usually situated in natural drainage ways or at the low corner of the site. In situations where embankments may not be feasible, a basin excavated below the earth's surface may serve the same purpose. A special provision, however, must be made for draining such an impoundment".

# 4.3 Construction Site Inventory.

4.3.1 The City of Springdale must continue to maintain an inventory of all active public and private construction sites that result in a total land disturbance of one half (0.5) acre or larger. The inventory must be continuously updated as new projects are permitted and projects are completed. The inventory must contain relevant contact information for each project (e.g., name, address, phone, etc.), the size of the project and area of disturbance, whether the project has submitted for permit coverage under Permit ARR 040019, the date the permittee approved the Grading Permit in accordance with Part 4.4, and the permit tracking number issued by the City of Springdale. The **City** must make it available to the permitting authority upon request.

Action Item: The Engineering Department tracks all projects through three phases of the project's workflow. The first phase is the Design Phase, in which the requirements are being reviewed in order to determine compliance with Section 107.3.F. Grading Permit. These records and reviews are stored electronically in the Engineering Department's Project Management System, and are available for review upon any requests. After the project meets all of the requirements and completes the Design Phase, the Stormwater Manager requests authorization to schedule a Preconstruction Meeting by submitting the Grading Permit: Engineering Approval & Fee Form with the fee receipt and project information to the Senior Project Manager. Upon signature approval from the Senior Project Manager, the Stormwater Manager schedules a Preconstruction Meeting and notifies the Large Scale Inspector. After the Preconstruction Meeting, the project moves from Design Phase to Construction Phase. All approvals, with signatures, are stored for record. Throughout the life of the Grading Permit, stormwater inspections, as defined in frequency in Table 4-1, will be recorded and stored in the Project Management System. When the project is complete, all records throughout the process are maintained as the project moves from Construction Phase to the Archived projects.

# 4.4 Construction Plan Review Procedures.

**4.4.1.** The City must continue to require each operator of a construction activity to prepare and submit a Grading Permit Application with appropriate supporting documentation prior to the disturbance of land for the City's review and written approval prior to issuance of a Grading Permit. The City must make it clear to operators of construction activity that they are prohibited from commencing construction activity until they receive receipt of written approval of the plans. If the Grading Permit Application or any supporting required documents are revised, the City must review and approve those revisions.

**Action Item:** Section 107.3.F.4.a. states that "any person proposing to engage in clearing, filling, excavating, quarrying, construction or similar activities on any piece of disturbed land of 0.5 acre or larger shall apply to the Stormwater Manager for a grading permit as specified in this chapter. Before a Grading Permit may be issued, all developments and improvements within the total acreage area must be approved by the appropriate process through the Planning Department. A Grading Permit may not be issued for any project constructing or expanding a vehicular use area or when expanding or rehabilitating a building and landscaping without said Planning Department approval. Except as otherwise provided, the responsible party shall not be allowed the removal, to be as action resulting in the removal of the root ball, of more than seven (7) trees within any given twelve (12) month period without first obtaining a grading permit. The Director may exempt the need for the permit on a limited case-by-case basis. No land shall be altered or cleared to the extend regulated in this chapter unless approved by a permit."

**4.4.2.** The City must continue to implement site plan review procedures that meet the following minimum requirements:

a. The City must not approve any Grading Permit unless it contains appropriate site-specific construction site control measures that meet the minimum requirements in Part 4.2.1 of this permit.

b. The stormwater pollution prevention plan (SWPPP) developed pursuant to ARR 040019 may substitute for the SWPPP requirement of the Grading Permit requirement for projects where a SWPPP is developed. The City is responsible for reviewing those portions of the SWPPP that comply with Chapter 107.

**Action Item:** All Grading Permits will require a completed Stormwater Pollution Prevention Plan Checklist signed and approved by approved qualified Engineering staff, with corrections made to ensure that the Phase II requirements are met. A copy of this form is attached in Appendix A.

c. The **SWPPP** must include the rationale used for selecting control measures, including how the control measure protects a waterway or stormwater conveyance.

d. The **City** must use qualified individuals, knowledgeable in the technical review **of the SWPPP** to conduct such reviews.

**Action Item:** The City of Springdale offers, at minimum, Construction Stormwater Management training to all Engineering staff, but typically sends Stormwater Management staff and inspectors to specialized training provided by the University of Arkansas CTTP program for NPDES Certification training. As of June 17, 2019, all of the current inspectors and the SWPPP reviewers are/were Certified NPDES Technicians.

e. The **City** must document its review of each **Grading Permit and SWPPP** using a checklist or similar process.

**Action Item:** All Stormwater Pollution Prevention Plan Checklist reviews, Grading Permit, Reviews, and other applicable reviews through the approval process are stored in the Project Management System for each project.

# 4.5 Construction Site Inspections and Enforcement.

**4.5.1.** The City must continue to implement procedures for inspecting public and private construction projects in accordance with the frequency specified in Table 4-1 below:

Site		Inspection Frequency	
a.	All construction sites in which the area of disturbance is defined as one half (0.5) of an acre or larger	Inspections of these sites should be at least once every seven (7) days, or at least every fourteen (14) days and within 24 hours of the end of a 1/4	
b.	All construction sites in which the area of disturbance is not defined, however, the total acreage of all parcels that are affected by the disturbance is one half (0.5) of an acre or	inch rain event. These inspections should be documented by the site supervisor and available for review at the construction site entrance.	
C.	larger All construction identified as a threat to water quality* <b>OR</b> identified within a Vulnerable Zones 1, 2, or 3 which require a Grading Permit under Chapter 106 Section XI – Cave Springs Area Karst Resource Conservation Regulations;	Additional inspections will be conducted by approved Engineering Department Staff, preferably an NPDES Technician, pursuant to Section 107.4.C through construction review using the appropriate Construction Review Inspection Report (CSIR) form, a minimum of once per month, by complaints of individuals,	
d.	All construction requiring a Grading Permit identified as a larger common plan of development per Chapter	groups, etc. and/or through referrals from City/State agencies.	
b. (0.	Other construction sites less than one half 5) of an acre	Inspections of construction sites smaller than 0.5 acres are initiated by complaints from individuals, groups, etc. and through referrals from City/State agencies to ensure ordinance compliance.	
*In	*In evaluating the threat to water quality, the following factors must be considered: soil erosion		

# **Table 4-1: Inspection Frequencies**

\*In evaluating the threat to water quality, the following factors must be considered: soil erosion potential; site slope; project size and type; sensitivity of receiving waterbodies; proximity to receiving waterbodies; non-stormwater discharges; past record of non-compliance by the operators of the construction site; and other issues identified by Springdale Staff, Elected Officials, ADEQ, the EPA, other State or Federal Officials, or the Director of Engineering.

- **4.5.2.** The permittee must adequately inspect all phases of construction.
  - a. Prior to Land Disturbance: Prior to allowing an operator to commence land disturbance, the permittee must perform an inspection to ensure all necessary erosion and sediment controls are in place
  - b. During Active Construction: During active construction, the permittee is required to conduct inspections in accordance with the frequencies specified in Table 4-1 in Part 4.5.1.
  - c. Following Active Construction: At the conclusion of the project, the City must inspect all projects to ensure that all graded areas have reached final stabilization and that all temporary control measures are removed (e.g., silt fence).

**Action Item:** A Construction Review Inspection Report (CSIR) will be completed after the Grading Permit is issued and before the project begins construction to ensure Best Management Practices are in place. A CSIR will be completed pursuant to Table 4-1. A CSIR and a Notice of Termination Form as located in Appendix A will be completed to ensure the project is complete and ensure that all construction site materials are removed from the site prior to approval of the Springdale NOT to terminate a Grading Permit.

**4.5.3**. The City must have trained and qualified inspectors (See Part 4.6). The City must also continue to follow, and revise as necessary, written procedures outlining the inspection and enforcement procedures. Inspections of construction sites must, at a minimum:

**Action Item:** Ordinance requires that each project has a qualified person, defined in Section 107.1.D as a "person who possesses a stormwater certification or license from a reputable organization". The City assists with this by participating in the University of Arkansas Extension Office Program offering Construction Stormwater Management Preconstruction Training to any Operator that fails to meet this requirement. The training is typically offered immediately following Preconstruction Meetings, is open to the general public, and upon completing a quiz following the training and obtaining a passing score, the operator receives a certification for a period of 2 years.

a. Check for coverage under the Permit ARR 040019 by requesting a copy of any application or Notice of Intent (NOI) or other relevant application form during initial inspections.

**Action Item:** A copy of the NOI or other relevant application is required prior to the Grading Permit issuance. The City of Springdale also requires either a Notice of Site Coverage for Sites Under 5 Acres, an NOI, or an NOC to be posted at the construction site entrance of any permitted site.

b. Review the applicable SWPPP and conduct a thorough site inspection to determine if control measures have been selected, installed, implemented, and maintained according to the plan.

**Action Item:** The SWPPP is reviewed during the Grading Permit Application process during Design Phase of the project as stated in Part 4.4.2.

c. Assess compliance with the City's ordinances and permits related to stormwater runoff, including the implementation and maintenance of designated minimum control measures.

**Action Item:** The ordinances and permits has changed over the course of the last permit period. This is primarily relative to higher standards adopted by City Council in 2017-2018 for Chapter 107 and Chapter 108. Additionally, policies to assist in enforcement, and relative to changes in staff and departmental layout have assisted in effective compliance strategies. During the last permit period, the "Community Engagement" division of Public Works was changed to a new department, now known as the "Neighborhood Services Department" and has a Code Enforcement division. The Code Enforcement officers assist in bringing projects into compliance through various processes, including those defined in Chapter 107.

d. Assess the appropriateness of planned control measures and their effectiveness.

**Action Item:** The City has changed from a strategy of adjusting the City to meet the SWMP, to adjusting the SWMP to meet the City's actual program, which has the measures built into ordinance. It is both appropriate and effective.

e. Visually observe and record non-stormwater discharges, potential illicit connections, and potential discharge of pollutants in stormwater runoff.

**Action Item:** Using the Outfall Map, the Non-Stormwater Discharge to MS4 Request Form, and other methods, the City of Springdale will be working to improve this objective. It is a primary objective for the City of Springdale to create an Outfall Inspection process that is in compliance with record-keeping requirements.

f. Provide education and outreach on stormwater pollution prevention, as needed.

**Action Item:** The City will maintain a partnership with the University of Arkansas Extension Offices to provide education and outreach.

g. Provide a written or electronic inspection report generated from findings in the field

**4.5.4.** The City must track the number of inspections for the inventoried construction sites throughout the reporting period to verify that the sites are inspected at the minimum frequencies required. Inspection findings must be documented and maintained for review by the permitting authority.

Action Item: The City utilizes a LOG within the Project Management System, to track all activity with each project. This includes all records of stormwater inspections, CSIRs and NOVs.

**4.5.5.** Based on site inspection findings, the permittee must take all necessary follow-up actions (i.e., re-inspection, enforcement) to ensure compliance in accordance with the permittee's enforcement response plan required in Part 1.5. These follow-up and enforcement actions must be tracked and maintained for review by the permitting authority.

**Action Item:** All Notices of Violation are logged in the Project Management System log for each project. In Section 107.5.A.-D., for a project to be completed, the project must meet a Completion of Construction requirement. Per Chapter 107.1.D, one of the requisites for Completion of Construction includes "d. Notice of Violations issued have all corrective actions approved with an inspection report signed by a representative of the Director of Engineering".

# 4.6 MS4 Staff Training.

**4.6.1.** The permittee must ensure that all staff whose primary job duties are related to implementing the construction stormwater program, including permitting, plan review, construction site inspections, and enforcement, are trained to conduct these activities. The training can be conducted by the permittee or outside training can be attended, however, this training must include, at a minimum:

- a. Erosion and Sediment Control/Stormwater Inspectors:
  - 1. Initial training, held within the first permit year, regarding proper control measure selection, installation, implementation, and maintenance, as well as administrative requirements such as inspection reporting/tracking and use of the permittee's enforcement responses; and
  - Annual refresher training for existing inspection staff to update them on preferred controls, regulation changes, permit updates, and policy or standards updates. Throughout the year, e-mails and/or memos must be sent out to update the inspectors as changes happen.
- b. Other Construction Inspectors: Initial training must be held within the first permit year, on general stormwater issues, basic control measure implementation information, and procedures for notifying the appropriate personnel of noncompliance. Refresher training held at least once every two years.
- c. Plan Reviewers:
  - 1. Initial training, held within the first permit year, regarding control measure selection, design standards, and review procedures; and

2. Annual training regarding new control measures, innovative approaches, permit updates, regulation changes, and policy or standard updates.

Action Item: At minimum, Inspectors will be required to take the Stormwater Construction Management training internally prior to completing any inspections and receive a passing score. This training is offered to Large Scale Inspectors, Building Department Inspectors, and Stormwater Inspectors, at minimum annually. Stormwater Inspectors typically are sent to the University of Arkansas CTTP program for advanced NPDES Technician Certification training. The City of Springdale also hosts an annual training for all applicable city staff, which is led by a University of Arkansas Washington County Extension Office representative.

d. Third-Party Inspectors and Plan Reviewers: If the permittee utilizes outside parties to conduct inspections and/or review plans, these outside staff must be trained per the requirements listed in Part 4.6.1.a (above). (Not Applicable to the City of Springdale's SWMP)

# 4.7 Construction Site Operator Education & Public Involvement.

**4.7.1.** Construction Operator Education. The permittee must develop and distribute educational materials to construction site operators as follows:

- a. Each year, the permittee must either provide information on existing training opportunities or develop new training for construction operators on control measure selection, installation, implementation, and maintenance as well as overall program compliance.
- b. The City must develop or utilize existing outreach tools (i.e. brochures, posters, website, plan notes, manuals etc.) aimed at educating construction operators on appropriate selection, installation, implementation, and maintenance of stormwater controls, as well as overall program compliance.
- c. The City must make available appropriate outreach materials to all construction operators who will be disturbing land within the MS4 boundary. The permittees' contact information and website must be included in these materials.
- d. The City must include information on appropriate selection, installation, implementation, and maintenance of controls, as well as overall program compliance, on the permittee's existing website.

**Action Item:** Before any Grading Permit may be issued in the City of Springdale, the Operator must demonstrate that the Site Supervisor is a "Qualified Person". Section 107.1.D. defines Qualified Person as "a person who possesses a stormwater certification or license from a reputable organization." If the Site Supervisor cannot provide proof of certification, the City of Springdale requires the Operator to either provide proof of certification or license, or offers Construction Stormwater Management Preconstruction Training after Preconstruction Meetings. Grading Permits are not issued until the operator provides proof of certification or license to pick up the Grading Permit. Educational materials are provided during the training.

# 4.7.2. Public Involvement.

- a. The permittee must adopt and implement procedures for receipt and consideration of information submitted by the public regarding construction projects. This includes, but is not limited to, the public reporting mechanisms described in Part 3.7.
- b. The permittee must hold public meetings for all public projects that have planned disturbance greater than or equal to an acre.

**Action Item:** Projects such as Large Scale Developments and Subdivisions are brought before the public at the City of Springdale's Planning Commission meetings. Public projects are reviewed in a public forum with the City Council at City Council Agenda Sessions.

# Action Items: Minimum Control Measure #4. Minimum Control Measure #4: 5 Year Implementation Schedule

2020	2021	2022		2023	2024
Review existing Municipal Code and Development Code for erosion and construction site runoff control effectiveness.	Review, modify and enforce provisions as necessary.	Review, modify and enforce provisions as necessary.		Review, modify and enforce provisions as necessary.	Review, modify and enforce provisions as necessary.
Conduct staff training on an ongoing basis; update as needed.		Evaluate the effectiveness of the training and update/improve as warranted.			
Review the land drainage and alteration program on an ongoing basis.	Conduct land drainage and alteration program training as-needed.	Track land drainage and alteration compliance and impacts to water quality on an annual basis.		Evaluate Municipal Code and develop amendments as needed to achieve compliance with CWA and ESA.	Program review and assessment.

# Part 5. Post-construction or Permanent//Long-term Stormwater Control Measures

# 5.1 Summary.

The Phase II regulations require regulated small MS4 operators to develop, implement, and enforce a program to address stormwater discharges from new development and redevelopment sites that disturb greater than or equal to one acre to the MS4 (including projects that disturb less than one acre that are part of a larger common plan of development or sale). The regulations also require that the MS4 ensure that control measures are installed and implemented that prevent or minimize water quality impacts.

As part of these Phase II requirements, the MS4 must:

- Develop and implement approaches to addressing post-construction stormwater discharges that include a combination of structural and/or non-structural controls;
- Adopt adequate legal authority to enable the MS4 to address post-construction stormwater discharges from new development and redeveloped sites; and
- Ensure adequate long-term operation and maintenance of applicable post-construction control measures.

# 5.2 Post-Construction Stormwater Management Program.

**5.2.1.** The City must continue to implement a program to control stormwater discharges from new development and redeveloped sites that disturb at least one-half (0.5) acre (including projects that disturb less than one-half (0.5) acre that are part of a larger common plan of development or sale) that discharge into an MS4. The program must apply to private and public development sites, including roads.

**Action Item:** The City of Springdale requires Grading Permits for projects 0.5 acre or larger. Section 107.3.C. 4. States that "if a smaller project (i.e., less than 0.5 acre) is part of a larger common plan of development such as a subdivision (e.g., you are building a residential home on a one quarter acre lot in a 40 acre subdivision), the lot owner becomes the operator and permit coverage is required and appropriate BMPs for the site must be installed.

**5.2.2.** The program must require that controls are in place that will infiltrate, evapotranspire, or harvest and use stormwater from the site to meet the performance standards in Part 5.3 to protect water quality.

Action Item: Section 106.2.3.3 Selection of Runoff Coefficients states that "a reasonable coefficient shall be chosen to represent the integrated effects of infiltration, detention storage, evaporation, retention, flow routing, and interception, all of which affect the time distribution and peak rate of runoff."

**5.2.3.** Written procedures for implementing this program, including the components described in Sections 5.3 - 5.9, must be incorporated into the SWMP document.

Action Item: The Drainage Report for the project must include the appropriate information and will be reviewed by an Engineer in the Engineering Department during the Design Phase of the project (also known as Tech Plat Review by the Planning Department). During the Design Phase, the Engineer will make comments and requirements to ensure that the project is designed to meet the ordinance requirements.

# 5.3 Site Performance Standards.

**5.3.1.** The permittee must establish, implement and enforce a requirement that owners or operators of new development and redeveloped sites discharging to the MS4, which disturb greater than or equal to one-half (0.5) acre (including projects that disturb less than one-half [0.5] acre that are part of a larger common plan of development or sale), design, install, implement, and maintain stormwater control measures that infiltrate, evapotranspire, harvest, and use stormwater discharges.

**Action Item:** After a project is approved, there are several methods to ensure that detention facilities were implemented as designed. However, the primary method is by using the Detention/Retention Certification form as seen in Appendix A. Section 106.5.4.11.1 states that "Post-development, prior to a legal occupancy permit being issued, a Detention/Retention Certification shall be completed, stamped, and signed by a Professional Engineer, and submitted to the City of Springdale Stormwater Manager for record". Additionally, a Detention/Retention Recertification form is required to meet the requirement in Section 106.5.4.11.1 which states that "it shall be the responsibility of the post-development responsible entity to conduct annual inspections."

**5.3.2.** The City must require that stormwater discharges from such new development and redevelopment sites be managed such that post-development hydrology does not exceed the predevelopment hydrology at the site, in accordance with the performance standard set forth in this paragraph. The SWMP must describe the site design strategies, control measures, and other practices deemed necessary by the permittee to maintain or improve pre-development hydrology. Some of the new development performance standards include:

Basis for Performance Standard	Description	Performance Standard	
Rainfall	Minimum storm volume to be retained on site.	Stormwater detention ponds shall be designed to limit the peak stormwater discharge rate of the 2-, 5-, 10-, 25-, 50-, and 100-year storm frequencies after development to predevelopment rates. (Sec. 106.5.3)	
Recharge/Runoff	Hydrologic analysis.	Increases in post-development peak discharge from new development areas shall be mitigated with on-site or off-site detention. (Sec 106.5.1)	
	riyurologic analysis.	Detention pond discharge systems shall be designed to fully mitigate post-development peak discharge to pre- development flow. (Sec 106.5.4.8)	
Recharge	Groundwater recharge	Section 106.11 regulates the Cave Springs Area Kars Resource Conservation Regulations to protect the wate quality of the Cave Springs Recharge Area.	
	requirement.	Additional Subsurface Drain requirements are outlined in Sec. 106.5.2.16.	
Impervious Cover	Limiting total impermeable surface (or effective impermeable surface)	Impermeable surface must be included in the Runoff Coefficient ("C") and be considered in the design for detention or retention requirements for peak discharge control. (Sec. 106.2.3.1)	

**5.3.3.** Incentives for Redeveloped Sites. When considered at the watershed scale, certain types of developed sites can either reduce existing impervious surfaces, or at least create less 'accessory' impervious surfaces. The Permittee may develop a program to allow adjustments to the performance standard for new development or redevelopment sites that qualify.

Action Item: The City of Springdale does not provide redevelopment incentives. The City of Springdale does require redevelopments that are considered Non-Large Scale development to meet the same minimum requirements and reviews as Large Scale Developments. Section 112.8.f.2 states that "after the approval of the Non-large scale development plan but before improvements are started, the developer shall submit engineering plans, a final drainage report (if required), and specifications for the streets, grading, and storm drainage improvements including, but not limited to, profiles, specifications, and cross-sections along with grading and storm drainage plans and computations, pursuant to and in compliance with Chapter 106, Stormwater Drainage of this Code, to the director of the planning and community development division for review and written approval prior to commencement of improvements. No work shall begin without prior approval of the director of the planning and community development division."

# **5.3.4**. Additional Requirements and Exceptions: The permittee must implement the following additional requirements where applicable:

- a. A site that is a potential hot spot with the reasonable potential for contaminating underground sources of drinking water must provide treatment for associated pollutants (e.g., petroleum hydrocarbons at a vehicle fueling facility).
- b. A site that discharges or proposes to discharge to any surface water or ground water that is used as a source of drinking water must comply with all applicable requirements relating to source water protection and must not cause an exceedance of drinking water standards.
- c. Sites may not infiltrate stormwater in areas of soil contamination.
- d. For projects that cannot meet 100% of the performance standard in Part 5.3.2 on site, an alternative is available: regional off-site mitigation. If alternative is chosen, then the City must develop and fairly apply criteria for determining the circumstances under which this alternative will be available. A determination that standards cannot be met on site must include multiple criteria that would rule out fully meeting the performance standard in Part 5.3.2, such as: too small a lot outside of the building footprint to create the necessary infiltrative capacity even with amended soils; soil instability as documented by a thorough geotechnical analysis; a site use that is inconsistent with capture and reuse of stormwater; or too much shade or other physical conditions that preclude adequate use of plants. Sites must still maximize stormwater retention on-site, before applying the remaining stormwater to one of the alternatives. In instances where alternatives are chosen, technical justification as to the infeasibility of on site management is required to be documented.

**Action Item:** The City of Springdale's ordinance prevents anything other than stormwater. Specifically it states in Section 107.7.E.1. Prohibition of Illegal discharges that "it shall be unlawful and punishable as provided herein for any person who discharges or causes to be discharged into the storm drainage system or watercourses any material, including but not limited to pollutants or waters containing any pollutants that cause or contribute to a violation of applicable water quality standards, other than stormwater." This prohibition, to include watercourses, is equally prohibitive in all areas, and requires Best Management Practices which include the treatment controls to remove pollutants from stormwater.

If it is determined that off-site drainage improvements are required then cost sharing may be considered with approval by the City Council. Detention is required to mitigate post-development increases in peak discharge (Sec 106.3.1). However, increases in post-development peak discharge from new development areas shall be mitigated with on-site or off-site detention (Sec 106.5.1). The developer must provide a Written Summary of the Improvements, including a summary of the off-site areas (106.1.2.1 Drainage Report Checklist item 25).

# 5.4 Site Plan Review.

**5.4.1.** To ensure that all applicable new development and redeveloped sites conform to the performance standards required in Part 5.3, the permittee must continue to implement project review, approval, and enforcement procedures that include:

a. Procedures for the site plan review and approval process(es) that include inter-departmental consultations, as needed, and a required re-approval process when changes to an approved plan are desired; and

**Action Item:** The City of Springdale's Planning Department manages the Tech Plat Review process. This is referred to as the Design Phase in the Engineering Department, but the Tech Plat Review process includes reviews from multiple departments. Each department provides comments (inter-departmental consultations) that must be addressed prior to the approval of a Grading Permit.

# b. A requirement for submittal of 'as-built' certifications within 90 days of completion of a project.

Action Item: The Engineering Department requires an as-built for all Detention/Retention Certifications to ensure that drainage and stormwater post-development structures were built as proposed. A copy of this form is required to be stamped and sealed by a licensed Professional Engineer, and is maintained in the Engineering Department's electronic records and uploaded to a layer in the Engineering GIS.

**5.4.2.** The City must conduct site plan reviews, using the procedures described in Part 5.4.1, of all new development and redeveloped sites which will disturb greater than or equal to one-half (0.5) acre and discharge to the MS4 (including sites that disturb less than one-half [0.5] acre that are part of a larger common plan of development or sale). The site plan review must specifically address how the project applicant meets the performance standards in Part 5.3 and how the project will ensure long-term maintenance as required in Part 5.5.

Action Item: Reviews are completed as described in Part 5.4.1.

# 5.5 Long-Term Maintenance of Post-Construction Stormwater Control Measures.

**5.5.1.** All structural stormwater control measures installed and implemented to meet the performance standards of Part 5.3 must be maintained in perpetuity. The permittee must ensure the long-term maintenance of structural stormwater control measures installed according to this Part through one, or both, of the following approaches:

- a. Maintenance performed by the Permittee. See part 6.5.
- b. Maintenance performed by the owner or operator of a new development or redeveloped site under a maintenance agreement. The permittee must require the owner or operator of any new development or redeveloped site subject to the performance standards in Part 5.3 to develop and implement a maintenance agreement addressing maintenance requirements for any structural control measures installed on site to meet the performance standards. The agreement must allow the permittee, or its designee, to conduct inspections of the structural stormwater control measures and also account for transfer of responsibility in leases and/or deeds. The agreement must also allow the permittee, or its designee, to perform necessary maintenance or corrective actions neglected by the property owner/operator, and bill or recoup costs from the property owner/operator when the owner/operator has not performed the necessary maintenance within thirty (30) days of notification by the permittee or its designee.

**Action Item:** All stormwater detention and retention facilities shall be inspected annually by the property owner. If the facility fails to perform per the original design specifications, then corrective action must completed. Failure to take corrective action is a violation of Chapter 106 (Section 106.5.4.11.1).

**5.5.2.** Verification of maintenance responsibilities. The City must require that property owners or operators of any new development or redeveloped site subject to the performance standards in Part 5.3 provide verification of maintenance for the approved structural stormwater control measures used to comply with the performance standards. Verification must include one or more of the following as applicable:

- a. The owner/operator's signed statement accepting responsibility for maintenance with a provision for transferring maintenance responsibility if the property is legally transferred to another party; and/or
- b. Written conditions in the sales or lease agreement that require the recipient to assume responsibility for maintenance; and/or
- c. Written conditions in project conditions, covenants and restrictions for residential properties assigning maintenance responsibilities to a home owner's association, or other appropriate group, for maintenance of structural and treatment control stormwater management practices; and/or
- d. Any other legally enforceable agreement that assigns permanent responsibility for maintenance of structural or treatment control stormwater management practices.

**Action Item:** Section 106.5.4.11.1 states that the maintenance of detention facilities shall be vested with the owner of the detention pond. Annually, owners should submit a Detention/Retention Recertification Form as seen in Appendix A to remain in compliance with Chapter 106.

# 5.6 Watershed Protection.

**5.6.1.** When the Permittee revises its General Plan (or equivalent) or other relevant plans (e.g. Transportation Master, or Community Plan) they must include effective water quality and watershed protection elements that require implementation of consistent water quality protection measures for new development and redeveloped sites within [insert deadline]. Examples of water quality and watershed protection elements to be considered include the following: [insert principles and/or policies which are appropriate for the watershed such as,

- Minimize the amount of impervious surfaces (roads, parking lots, roofs, etc.) within each watershed, by minimizing the creation, extension and widening of parking lots, roads and associated development.
- Preserve, protect, create and restore ecologically sensitive areas that provide water quality benefits and serve critical watershed functions. These areas may include, but are not limited to; riparian corridors, headwaters, floodplains and wetlands.
- Implement management practices that prevent or reduce thermal impacts to streams, including requiring vegetated buffers along waterways, and disconnecting discharges to surface waters from impervious surfaces such as parking lots.
- Prevent disturbances of natural waterbodies and natural drainage systems caused by development, including roads, highways, and bridges.
- Avoid development in areas that are particularly susceptible to erosion and sediment loss.
- Implement standards to protect trees, and other vegetation with important evapotranspirative qualities.
- Implement policies to protect native soils, prevent topsoil stripping, and prevent compaction of soils.
- Implement water conservation policies that will reduce both stormwater and non- stormwater discharges via storm sewer systems.
- Implement policies that encourage stormwater practices close to the source of the runoff rather than downstream and lower in the watershed.]

(Not Applicable. The City does not currently have a General Plan or comparative alternative)

# 5.7 Tracking of Post-Construction Stormwater Control Measures.

**5.7.1.** Inventory of Post-Construction Stormwater Control Measures. The permittee must continue to maintain an inventory of all post-construction structural stormwater control measures installed and implemented at new development and redeveloped sites, including both public and private sector sites located within the permit area. The inventory must be searchable by property location (either on paper or electronic). New entries to the inventory must be made during the site plan review and approval process in Part 5.4.1.

Action Item: Detention/Retention Certification forms are stored and searchable by property location on the Engineering Department GIS.

**5.7.2.** Tracking Information. Each entry to the inventory must include basic information on each project, such as project name, owner's name and contact information, location, start/end date, etc. In addition, inventory entries must include the following for each project:

- a. Short description of each stormwater control measure (type, number, design or performance specifications);
- b. Latitude and longitude coordinates of each stormwater control measure;
- c. Short description of maintenance requirements (frequency of required maintenance and inspections); and
- d. Inspection information (date, findings, follow up activities, prioritization of follow-up activities, compliance status).

Based on inspections conducted under Part 5.8, the permittee must update the inventory as appropriate where changes occur in property ownership or the specific control measures implemented at the site. This inventory must be maintained and available for review by the permitting authority.

**Action Item:** Detention/Retention Recertification forms are required annually and update the inventory as submitted.

# 5.8 Inspections and Enforcement.

**5.8.1.** Inspection Frequency. To ensure that all stormwater control measures are operating correctly and are being maintained as required consistent with its applicable maintenance agreement, the City must conduct inspections of each project site covered under Part 5.3 performance standards at least one time during the permit term. The inspections must be in accordance with those specified in Chapter 106. A description of inspection procedures must be included in the SWMP document.

Action Item: Detention/Retention Recertification sites each will be reviewed one time by the City of Springdale during the permit period. This will be a site inspection which will be logged in the site's permanent log in the City of Springdale Engineering Department's Project Management System. Any deficiencies will be sent to the last known responsible entity or the property owner.

**5.8.2.** Post-Construction Inspection. Within 30 days of project completion of any project required to meet the Part 5.3 performance standards, the City must conduct a post-construction inspection to verify that the permittee's performance standards have been met. The City must include in its SWMP a procedure for being notified by construction operators/owners of their completion of active construction so that the post-construction inspection may be conducted.

Action Item: The City of Springdale has four (4) methods to terminate Grading Permits. Each of these require a Completion of Construction standard, as defined in Section 107.1.D to be completed. The construction operators/owners have the option to notify the City via a Notice of Termination Form as seen in Appendix A, and selecting the "Notice of Termination by Request" option. If the operators/owners fail to submit this form, a "Notice of Termination by Review" may be completed by the Inspector during the next scheduled inspection. The Director of Engineering may terminate a grading permit by completing the form and selecting the "Notice of Termination by Director" option, but may only terminate if the operator fails to comply with Chapter 107 or to protect the safety and welfare of the general public. Despite the method of termination, an accompanying Construction Review Inspection Report (CSIR) will be required to determine if the requirements of the NOT have been fulfilled.

**5.8.3.** Inspection Reports. The permittee must document its inspection findings in an inspection report. Each inspection report must include:

- a. Inspection date;
- b. Name and signature of inspector;
- c. Project location (street address, latitude/longitude, etc.) and inventory reference number (from inventory established in Part 5.7.1)
- d. Current ownership information (for example, name, address, phone number, fax, and email)
- e. A description of the condition of the structural stormwater control measure including the quality of: vegetation and soils; inlet and outlet channels and structures; embankments, slopes, and safety benches; catch basins; spillways, weirs, and other control structures; and sediment and debris accumulation in storage and forebay areas as well as in and around inlet and outlet structures;
- f. Photographic documentation of all critical structural stormwater control measure components; and
- *g.* Specific maintenance issues or violations found that need to be corrected by the property owner or operator along with deadlines and re-inspection dates.

**Action Item:** Items a-g are requisites for a Notice of Violation and a Construction Review Inspection Report, both viewable in Appendix A. Photographic documentation is provided either with the CSIR or NOV, or may be included separately in the project's electronic log. The Owner is defined in the Grading Permit Application for the file, and is recorded as the "Permittee" on the application. A Notice of Violation also includes the "Responsible Party" for the NOV. The permittee must document and maintain records of inspection findings and enforcement actions and make them available for review by the permitting authority.

**Action Item:** Records are maintained in the electronic log associated with each project on the Engineering Department's Project Management System.

## 5.9 Retrofit Plan.

**5.9.1.** The City must develop a plan to retrofit existing developed sites that are impacting water quality. The retrofit plan must be developed within [insert deadline, such as within two years of permit issuance] and must emphasize controls that infiltrate, evapotranspire, or harvest and use stormwater discharges. The plan must include:

- a. An inventory of potential retrofit locations, which considers, at a minimum:
  - Locations that contribute pollutants of concern to an impaired waterbody
  - Locations that contribute to receiving waters that are significantly eroded
  - Locations that are tributary to a sensitive ecosystem or protected area
  - Locations that are tributary to areas prone to flooding
- b. An evaluation and ranking of the inventoried locations to prioritize retrofitting which includes, at a minimum:
  - Feasibility
  - Cost effectiveness
  - Pollutant removal effectiveness
  - Impervious area potentially treated
  - Maintenance requirements
  - Landowner cooperation
  - Neighborhood acceptance
  - Aesthetic qualities, and
  - Efficacy at addressing concern

**Action Item:** The City of Springdale's Public Works facility has completed retrofitting the Public Works property with rain gardens which filter sediment and other pollutants for nearly all of the site's stormwater runoff. The Parks Department has recently retrofitted Murphy Pond in Murphy Park with filtration baskets for all inlets, to reduce pollutants in Spring Creek, and will maintain the collection points. No current plan is in place to include additional retrofitting at this time, and instead will be on a basis as identified by the Director of Public Works, or under the guidance of the Mayor.
# Part 6. Pollution Prevention/Good Housekeeping

#### 6.1 Summary.

Federal stormwater regulations (see 40 CFR 122.34(b)(6) and 40 CFR 122.26(d)(2)(iv)(A)) require the operator of a regulated MS4 community to develop a program to:

- Prevent or reduce the amount of stormwater pollution generated by municipal operations and conveyed into receiving waters.
- Train employees on how to incorporate pollution prevention/good housekeeping techniques into municipal operations.
- Identify appropriate control measures and measurable goals for preventing or reducing the amount of stormwater pollution generated by municipal operations.

# 6.2 Municipal Facility and Control Inventory.

**6.2.1.** Development of a Municipal Facility and Stormwater Control Inventory – The City must continue to update and maintain an inventory of municipally-owned or operated facilities and stormwater controls, including but not limited to the following:

- Composting facilities
  - The City does not currently have a Composting Facility in inventory.
- Equipment storage and maintenance facilities
  - The City's primary storage and maintenance facility is located at Public Works, 269 E Randall Wobbe Ln. This includes a vehicle maintenance facility, salt storage structure, equipment warehouses, and motor pool. Stormwater at this site is mitigated through a series of rain gardens to filter and slow release. Additionally, the Police Department has storage and maintenance of Police vehicles located at 201 Spring Street. This includes a wash bay, a maintenance building, and a motor pool. The wash bay drains to the Sanitary Sewer system. The maintenance building for police cars is located inside a warehouse with smooth concrete flooring, and all pollutants are disposed of properly and do not enter the stormwater system.
- Fuel farms
  - The majority of fuel for City vehicles is provided using fuel cards at third-party gas stations. However, the Public Works facility utilizes a fuel point at Public Works with appropriate permanent best management practices in place to contain any possible leaks. The Public Works facility also equipped Spill Kits in 2018 at all maintenance facilities, the fuel point, and a facilities that may contain materials which could potentially access the stormwater system. The Springdale Municipal Airport has a Fixed Base Operator (FBO) in charge of the fuel farm at that facility. The FBO has a spill kit available.

- Hazardous waste disposal facilities
  - The City does not currently have a Hazardous waste disposal facility in inventory.
- Hazardous waste handling and transfer facilities
  - The City does not currently have a Hazardous waste disposal facility in inventory.
- Incinerators
  - The City of Springdale Animal Control facility is equipped with an incinerator. It is located at the Animal Services facility on the Public Works property at 269 E Randall Wobbe Ln.
- Landfills
  - The City of Springdale utilizes a third party, Waste Management, and does not maintain a landfill.
- Landscape maintenance on municipal property
  - The City outsources maintenance of approximately 60 acres of landscaping maintenance along Don Tyson Parkway and Gene George Parkway. The City is in the process of additional outsourcing, but also maintains identified areas in public rights-ofway in various locations across the City. Typical maintenance of drainage <u>easements</u> and right-of-way <u>easements</u>, to include mowing and cleanliness, is the responsibility of the property owner. Advanced maintenance of physical components within drainage easements, such as junction boxes, drainage pipes, and other similar components is completed by the City. Municipal properties that require landscape maintenance from Parks and Recreation or Public Works include city parks, city properties, and areas of agreed maintenance in conjunction with the Arkansas Department of Transportation, specifically near I-49 onramps located at the intersections of I-49 and Elm Springs Road, I-49 and Don Tyson Parkway, and I-49 and HWY 412 (Sunset).
- Materials storage yards
  - The City of Springdale primary material storage is located at Public Works. Materials are primarily stored indoors in specialized facilities, such as the salt structure. All stormwater which drains from the exterior of the salt structure drains to a controlled rain garden, which was designed to also serve as a butterfly garden, and is planted with native vegetation.
- Pesticide storage facilities
  - The Parks Department does not store pesticides in bulk. Pesticide usage for Parks and Recreation is outsourced to a third party.

- The Public Works stores bulk pesticides for mosquito spraying in Building 1 at 269 E Randall Wobbe Ln.
- Public buildings, including schools, libraries, police stations, fire stations, municipal buildings, and similar buildings
  - Springdale School District is maintained by the District, not by the City of Springdale.
  - Springdale Public Library 405 S Pleasant St
  - Springdale Police Department (City Administration Bldg) 201 Spring St
  - Fire Stations
    - Fire Station 1 (HQ) 417 Holcomb St
    - Fire Station 2 1660 W Don Tyson Pkwy
    - Fire Station 3 730 Glass Dr (HAZMAT UNIT)
    - Fire Station 4 3420 Elm Springs Rd
    - Fire Station 5 1776 E Robinson Ave
    - Fire Station 6 1623 S 48<sup>th</sup> St
    - Fire Station 7 (Under Construction @ 7867 Harber Ave)
    - Fire Station 8 (Under Construction @ 2246 E Huntsville Ave)
    - Fire Training Facility 2398 Turnbow Ave
  - Municipal Buildings
    - Administration Building 201 Spring St
    - Neighborhood Services 210 Spring St
    - Criminal Investigation Division 128 Spring St
    - Information Systems & GIS 132 Spring St
    - Building Department 107 Spring St
- Public parking lots
  - Fitzgerald Station Parking Lot with Detention Pond Dodd Ave
- Public golf courses
  - The City does not own nor maintain a golf course

- Public swimming pools
  - Springdale Aquatics Center 511 S Pleasant St
- Public works yards
  - Springdale Public Works 269 E Randall Wobbe Ln
- Recycling facilities
  - Springdale Recycling Drop Off Center 1806 Lowell Rd
- Salt storage facilities
  - Salt Storage Facility 269 E Randall Wobbe Ln
- Solid waste handling and transfer facilities
  - The City of Springdale does not manage a solid waste handling and transfer facility.
- Street repair and maintenance sites
  - Springdale Public Works 269 E Randall Wobbe Ln
- Vehicle storage and maintenance yards
  - Springdale Public Works 269 E Randall Wobbe Ln
  - Springdale Police Department 201 Spring St
- Municipally-owned and/or maintained structural stormwater controls
  - As mapped on the next page.



City of Springdale Maintained Detention Ponds Map "serves to delineate the extent of the City of Springdale's Responsibility to maintain detention ponds."

**6.2.2.** Documentation– The list of municipally-owned or operated facilities and stormwater controls must be maintained and available for review by the permitting authority.

Action Item: As listed above. Land and Buildings are listed in Appendix B.

**6.2.3.** Mapping – On a map of the area covered by the MS4 permit, the permittee must identify where the municipally-owned or operated facilities and stormwater controls are located. The map must identify the stormwater outfalls corresponding to each of the facilities as well as the receiving waters to which these facilities discharge. The permittee must also identify the manager of each facility and their contact information. The map must be maintained and updated regularly and be available for review by the permitting authority.

Action Item: The "Mapping" portion is completed using the Engineering Department GIS. This includes locations of filed Detention/Retention Certification forms and Recertification forms, which identifies the manager of each facility and their contact information. This new requirement, as seen in Appendix A, will be required of all new facilities as we build a repository. The Stormwater Network layer will be updated to include the required receiving waters to which facilities discharge during this permit period.

# 6.3 Facility Assessment.

6.3.1 Municipally-owned or operated facility assessment:

- a. Comprehensive Assessment of Pollutant Discharge Potential –The *City* must review, reassess, and update the comprehensive assessment of all municipally-owned or operated facilities identified in Part 6.2 one time through the permit period for their potential to discharge in stormwater the following typical urban pollutants: sediment, nutrients, metals, hydrocarbons (e.g., benzene, toluene, ethylbenzene and xylene), pesticides, chlorides, and trash. Other pollutants may be associated with, but not generated directly from, the municipally-owned or operated facilities, such as bacteria, chlorine, organic matter, etc. Therefore, the *City* must determine additional pollutants associated with its facilities that could be found in stormwater discharges. A description of the assessment process must be included in the SWMP document.
- b. Identification of "High Priority" Facilities Based on the Part 6.3.1.a comprehensive assessment, the City must identify as "high-priority" those facilities that have a high potential to generate stormwater pollutants. Among the factors that must be considered in giving a facility a high priority ranking is the amount of urban pollutants stored at the site, the identification of improperly stored materials, activities that must not be performed outside (e.g., changing automotive fluids, vehicle washing), proximity to waterbodies, poor housekeeping practices, and discharge of pollutant(s) of concern to impaired water(s). High priority facilities must include the permittee's maintenance yards, hazardous waste facilities, fuel storage locations, and any other facilities at which chemicals or other materials have a high potential to be discharged in stormwater.

c. Documentation of Comprehensive Assessment Results – The permittee must document the results of the assessments and maintain copies of all site evaluation checklists used to conduct the comprehensive assessment. The documentation must include the results of the permittee's initial assessment, any identified deficiencies and corrective actions taken, and a list of the "high priority" facilities identified per Part 6.3.1.b.

Action Item: An assessment of each facility will be scheduled during the permit period, to include documentation for each facility, including materials stored at each facility. The assessment for each facility will be maintained in the Engineering Department's Project Management System, and will be available upon request. A Facilities Assessment form will be created to meet all of the required items and all drains will be identified for each facility, to include their outfall locations such as Sanitary Sewer or Storm Sewer systems.

# 6.4 Development of Facility-Specific Stormwater Management SOPs and Implementation of Facility Stormwater Controls.

6.4.1. Facility-specific Stormwater Management SOPs for "High Priority" Facilities:

- a. For each "high priority" facility or operation identified in Part 6.3, the permittee must develop a site-specific SOP that identifies stormwater controls (i.e., structural and non-structural controls, and operational improvements) to be installed, implemented, and maintained to minimize the discharge of pollutants in stormwater. At a minimum, the facility-specific SOP must include the stormwater control measures described below in Part 6.3.2, as well as inspection and visual monitoring procedures and schedules described in Part 6.3.3.
- b. A copy of the facility-specific stormwater management SOP must be maintained and be available for review by the permitting authority. The SOP must be kept on-site at each of the municipally-owned or operated facilities' offices for which it was completed. The SOP must be updated as necessary.
- c. The permittee must install, implement, and maintain all stormwater controls required per Part 6.4.2 of this permit and included in the facility's site-specific SOP.

**Action Item:** The Facilities Assessment Form will include a Standard Operating Procedures portion with required actions as listed in Part 6.4.1, to include a physical copy on-site at each facility.

**6.4.2.** Stormwater Controls for "High Priority" Facilities – The following stormwater controls must be implemented at all "high priority" municipally-owned or operated facilities identified in Part 6.3. A description of any controls included in this part and any standard operating procedures developed to comply with this part must be included as part of the of each facility's SOP:

a. General good housekeeping – The following good housekeeping practices must be implemented for all facilities identified as "high priority":

- 8. The City must keep all municipally-owned or operated facilities neat and orderly, minimizing pollutant sources through good housekeeping procedures and proper storage of materials.
- 9. Materials exposed to stormwater must be covered where feasible (without creating additional impervious surfaces, if possible).

**Action Item:** The Facilities Assessment Form will include these items for facilities identified as "High Priority" within the Standard Operating Procedures portion with required actions as listed in Part 6.4.1, to include a physical copy on-site at each facility.

b. De-icing material storage – The permittee must store salt and other de-icing materials in a permanent storage structure, unless stormwater runoff from the storage piles is not discharged, or if discharges from the piles are authorized under another stormwater permit. If a permanent storage structure is required but does not exist, one must be built within *the permit period*, and seasonal tarping must be used as an interim control measure until the permanent structure is completed. If a permanent storage facility is not feasible, the permittee must provide a rationale to the permitting authority as to why and what alternate *BMPs will be utilized instead*. Where a permanent storage structure is present, the permittee must perform regular maintenance and inspections of the permanent storage structure.

**Action Item:** The City of Springdale stores salt and de-icing materials in a permanent storage structure located at Public Works. The facility will be inspected using the Facilities Assessment Form.

c. Fueling operations – The permittee must continue to implement standard operating procedures for vehicle fueling and receiving of bulk fuel deliveries at municipally-owned or operated facilities with the goal of reducing the likelihood of spills, and providing spill controls in the event that accidental spills do occur.

**Action Item:** The fuel point at the Public Works facility includes best management practices and a spill kit in the event of an accidental spill. Additional spill kits are available in multiple locations at the Public Works facilities. The Springdale Municipal Airport has a Fixed Base Operator (FBO) in charge of the fuel farm at that facility. The FBO has a spill kit available.

Vehicle maintenance – The permittee must continue to implement a standard operating procedure for vehicle maintenance and repair activities that occur at municipally-owned or operated facilities with the goal of reducing the likelihood of spills or releases and providing controls in the event that accidental spills do occur. The standard operating procedures must include regular inspections of all maintenance areas and activities.

Action Item: The vehicle maintenance facility at the Public Works includes best management practices and a spill kit in the event of an accidental spill. Additional spill kits are available in multiple locations at the Public Works facilities. Additional needs for Spill Kits in other various departments is being assessed and will be incorporated by department as needed. Facilities will be inspected using the Facilities Assessment Form.

Equipment and vehicle washing – The discharge of equipment and vehicle wash wastewater to the MS4 or directly to receiving waters from municipal facilities is prohibited. The permittee may meet this requirement by either installing a vehicle wash reclaim system, capturing and hauling the wastewater for proper disposal, connecting to sanitary sewer (where applicable and approved by local authorities), ceasing the activity, and/or applying for and obtaining a separate stormwater permit.

Action Item: Wash bays are connected to the Sanitary Sewer system. During this permit period, it is a goal to paint any City Facility floor drains that drain to the Sanitary Sewer System green, and any floor drains that drain to the Storm Sewer blue. This will also be identified in the SOP on the Facilities Assessment Form for each facility, if applicable.

## 6.4.3. Inspections and Visual Monitoring:

a. Weekly visual inspections – The *City* must perform weekly visual inspections to ensure materials and equipment are clean and orderly, and to minimize the potential for pollutant discharge. The *City* must look for evidence of spills and immediately clean them up to prevent contact with precipitation or runoff. The weekly inspections must be tracked in a log for every facility, and records kept with the SWMP document. The inspection report must also include any identified deficiencies and the corrective actions taken to fix the deficiencies.

**Action Item:** A weekly inspection log will be maintained with each Facilities Assessment Form SOP with guidance and requirements and will be located on site at each facility.

b. Quarterly comprehensive inspections – At least once per quarter, a comprehensive inspection of "high priority" facilities, including all stormwater controls, must be performed, with specific attention paid to waste storage areas, dumpsters, vehicle and equipment maintenance/fueling areas, material handling areas, and similar potential pollutant-generating areas. The quarterly inspection results must be documented and records kept with the SOP document. This inspection must be done in accordance with the developed SOPs. The inspection report must also include any identified deficiencies and the corrective actions taken to fix the deficiencies.

**Action Item:** A quarterly inspection log will be maintained with each Facilities Assessment Form SOP with guidance and requirements and will be located on site at each facility.

c. Quarterly visual observation of stormwater discharges – At least once per quarter, the permittee must visually observe the quality of the stormwater discharges from the "high priority" facilities (unless climate conditions preclude doing so, in which case the permittee must attempt to evaluate the discharges four times during the wet season). Any observed problems (e.g., color, foam, sheen, turbidity) that can be associated with pollutant sources or controls must be remedied within three days or before the next storm event, whichever is sooner. Visual observations must be documented, and records kept with the SOP document. This inspection must be done in accordance with the developed SOPs. The inspection report must also include any identified deficiencies and the corrective actions taken to fix the deficiencies.

**Action Item:** A quarterly visual observation log of stormwater discharges will be maintained with each Facilities Assessment Form SOP with guidance and requirements and will be located on site at each facility.

## 6.5 Storm Sewer System Maintenance Activities.

#### 6.5.1. MS4 catch basin maintenance

- a. Assessment/prioritization of catch basins The *City* must assign a priority to each of its catch basin inlets within its jurisdiction as one of the following:
  - Priority A Catch basins that are designated as consistently generating the highest volumes of trash and/or debris
  - Priority B Catch basins that are designated as consistently generating moderate volumes of trash and/or debris
  - Priority C Catch basins that are designated as generating low volumes of trash and/or debris

The permittee must use information compiled from citizen complaints/reports to help in the determination of the appropriate priority level. A description of the prioritization scheme must be included in the SWMP.

- b. Catch basin inspection and cleaning
  - 1. Based on the priorities assigned in Part 6.5.1.a., the permittee must inspect and clean catch basins in accordance with the following schedule:
    - Priority A Monthly or as needed
    - Priority B Annually or as needed
    - Priority C Biennially or as needed

The permittee must develop a catch basin cleaning schedule based on the frequency specified in this permit, along with a list of each of its catch basins and the priority assigned to them per Part 6.5.1.a.

**Action Item:** Catch basins are maintained by the Public Works department. This is typically relative to citizen complaints/reports related to backed-up water. If the problem is repetitive, priority is escalated with the Public Works department. The Engineering Department identified a particularly troublesome area at the pond in Murphy Park, and has identified these as Priority A locations, with filter baskets at the outlets into the retention area. These areas are cleaned out at least monthly by the Parks & Recreation department.

- 2. In addition to catch basin cleanings performed above, the permittee must ensure that any catch basin that is inspected and found to be between one third and one half full of trash and/or debris must be cleaned within 1 week of discovery. The City must maintain a log of all maintenance performed.
- 3. The permittee must document that it has performed all required catch basin cleanings in a log that is to be made available for review by the permitting authority upon request.

Action Item: The Engineering Department will work with the Public Works Department to create and maintain a log of maintenance performed on catch basins for trash/debris.

- c. Catch basin labeling The permittee must ensure that each catch basin includes a legible stormwater awareness message (e.g., a label, stencil, marker, or pre-cast message such as "drains to the creek" or "only rain in the drain"). Catch basins with illegible or missing labels must be recorded and re-labeled within *180 days* of inspection.
- d. Maintenance of surface drainage structures The permittee must visually monitor *City*-owned open channels and other drainage structures for debris at least *once per year* and identify and prioritize problem areas, such as those with recurrent illegal du*mping, for inspection at least annually*. Removal of trash and debris from open channels and other drainage structures must occur *annually*. The *City* must document its drainage structure maintenance in a log that is to be made available for review by the permitting authority upon request.

Action Item: The Engineering Department will work with the Public Works Department to create and maintain a log of maintenance performed on open channels and other drainage structures.

e. Disposal of waste materials – The *City* must develop a procedure to dewater and dispose of materials extracted from catch basins. This procedure must ensure that water removed during the catch basin cleaning process and waste material will not reenter the MS4.

**Action Item:** The City of Springdale Public Works department is in the process of creating an Operations & Maintenance (O&M) Manual which will include a procedure for this operation.

## 6.5.2 Municipal activities and operations:

- a. Assessment of municipal activities and operations
  - 1. The City must maintain and revise as necessary the operation and maintenance (O&M) activity assessment. The following municipal O&M activities must be included in the assessment for their potential to discharge pollutants in stormwater:
    - Road and parking lot maintenance, including pothole repair, pavement marking, sealing, and re-paving
    - Bridge maintenance, including re-chipping, grinding, and saw cutting
    - Cold weather operations, including plowing, sanding, and application of deicing compounds and maintenance of snow disposal areas

- Right-of-way maintenance, including mowing, herbicide and pesticide application, and planting vegetation
- Municipally-sponsored events such as large outdoor festivals, parades, or street fairs

**Action Item:** The City of Springdale Public Works department is in the process of creating an Operations & Maintenance (O&M) Manual which will include a procedure for this operation.

2. The City must identify all materials that could be discharged from each of these O&M activities. Typical pollutants associated with these activities include metals, chlorides, hydrocarbons (e.g. benzene, toluene, ethylbenzene, xylene), sediment, and trash.

**Action Item:** The City of Springdale Public Works department is in the process of creating an Operations & Maintenance (O&M) Manual which will include a procedure for this operation.

- 3. The City must develop a set of pollution prevention measures that, when applied during municipal O&M activities, will reduce the discharge of pollutants in stormwater. These pollution prevention measures must include, at a minimum:
  - Replacing materials/chemicals with more environmentally benign materials or methods (e.g., use mechanical methods vs. herbicides, or use water-based paints or thermoplastics rather than solvent-based paints for stripping)
  - Changing operations to minimize the exposure or mobilization of pollutants (e.g., mulch, compost or landfill grass clippings) to prevent them from entering surface waters
  - Placing barriers around or conducting runoff away from deicing chemical storage areas to prevent discharge into surface waters), consistent with Part 6.4.2.b

# **Action Item:** The City of Springdale Public Works department is in the process of creating an Operations & Maintenance (O&M) Manual which will include a procedure for this operation.

4. The City must develop and implement a schedule for instituting the pollution prevention measures. At a minimum, with respect to all roads, highways, and parking lots with more than 5,000 square feet of pollutant-generating impervious surface area that are owned, operated, or maintained, the permittee must implement all pollution prevention measures by the beginning of the O&M activity.

**Action Item:** The City of Springdale Public Works department is in the process of creating an Operations & Maintenance (O&M) Manual which will include a procedure for this operation.

5. The results of the assessments and pollution prevention measures, including schedules for implementation, must be documented and made available for review by the permitting authority upon request.

b. Inspection of pollution prevention measures – All pollution prevention measures implemented at municipal facilities must be visually inspected during Facilities Assessments to ensure they are working properly; a log of inspections must be maintained and made available for review by the permitting authority upon request.

**Action Item:** An inspection of pollution prevention measures will be maintained with each Facilities Assessment Form SOP with guidance and requirements and will be located on site at each facility.

# 6.5.3. Street Sweeping and Cleaning

- a. The City must continue to evaluate and rate all municipally-owned streets, roads, and public parking lots within their jurisdiction. The City must include in the evaluation the sweeping frequency, timing, and efficiency of existing street sweeping programs. The street sweeping frequency must be based on land use, trash and stormwater pollutant levels generated. At a minimum, the following areas must be regarded as "high priority," for sweeping activities while the "medium priority" and "low priority" areas are recommended:
  - High priority Streets, road segments, and public parking lots designated as high priority include, but are not limited to, high traffic zones, commercial and industrial districts, shopping malls, large schools, high-density residential dwellings, sport and event venues, and plazas. This designation must include areas that consistently accumulate high volumes of trash, debris, and other stormwater pollutants.

Action Item: High priority areas are identified by complaint, request, and circumstance. These are, for example, areas where debris or sediment has been identified on a street that is not associated with an identifiable construction site. If a construction site with a Grading Permit or of any size (Section 107.3.A.4) is associated with the need, then the inadvertent sediment tracked onto public streets "shall be removed as soon as possible but in all cases the sediment shall be removed prior to the end of the work day or before an impending rain event." Section 107.3.A.5 states that "in the event the construction site operator disregards the prohibition of sediment tracked onto City streets, the City will utilize City equipment and crew to remove tracked sediment from the given street(s). A minimum fee of \$500 per 100 linear feet of street or highway shall be assessed for each incident, to the construction site payable to the City of Springdale." Other "High Priority" areas are identified by the Springdale Police Department.

- Medium priority Streets, road segments and public parking lots designated as medium priority include, but are not limited to, medium traffic zones; warehouse districts; and light, small-scale commercial and industrial areas.
- Low priority Streets and road segments designated as low priority include, but are not limited to, light traffic zones and residential zones.

Action Item: The City of Springdale Street Sweeper visits Medium priority sites and Low priority sites daily. The Street Sweeper is constantly in route during the work week, and visits all locally owned streets one at a time until a map and document for each area is completed and turned into the appropriate supervisor at Public Works. When these areas have all been visited, a new map is printed and the process starts again.

b. The permittee must show on a map of its service area how the streets, roads, and public parking lots have been rated in accordance with Part 6.5.3.a.

Action Item: The Street Sweeper utilizes a street map, such as the Master Street Plan map, to show where all local streets are located, and visits each street.



- c. Implementing sweeping schedules The permittee must sweep streets/roads/public parking lots in accordance with the following frequency:
  - High priority as complaints and reports are received
  - Medium priority Typically once per month
  - Low priority Typically once per month

If a City's existing overall street sweeping effort provides equivalent or greater street sweeping frequency relative to the requirements above, the City may continue to implement its existing street sweeping program.

d. For areas where street sweeping is technically infeasible (e.g., streets without curbs), the City must increase implementation of other trash/litter control procedures to minimize pollutant discharges to storm drains and creeks. The permittee must show on its Part 6.5.3.b map the location of these areas.

**Action Item:** Most areas are covered by the street sweeper, however, it is also the property owner's responsibility to maintain to the centerline of the city street in neighborhoods. These street types are identified on the Master Street Plan as "Local" streets, and enforcement of these requirements is through the Neighborhood Services department.

- e. Sweeping equipment selection and operation
  - 1. When replacing existing sweeping equipment, the permittee must select and operate high-performing sweepers that are efficient in removing pollutants, including fine particulates, from impervious surfaces.
  - 2. The City must follow equipment design performance specifications to ensure that street sweeping equipment is operated at the proper equipment design speed with appropriate verification, and that it is properly maintained.
  - 3. The permittee must operate sweepers to optimize pollutant removal by permitting sweepers access to the curb through the use of parking restrictions that clear the curb or through effective public outreach to inform citizens of sweeping days and times so that voluntary curb clearing can occur.

Action Item: The street sweeper in use is a high-performing sweeper that is efficient in removing pollutants, including fine particulates, from impervious surfaces and is properly maintained. Street parking is only typical along local streets. It is a requirement along these streets for adjacent property owners to maintain the street to the centerline of the road. Failure to comply is through the Neighborhood Services department.

f. Sweeper Waste Material Disposal – The permittee must develop a procedure to dewater and dispose of street sweeper waste material. This procedure must ensure that water and material will not reenter the MS4.

**Action Item:** Street sweeper disposal is conducted properly at the Public Works facility to ensure the materials will not reenter the MS4.

g. Operator training – Street sweeper operators must be trained to enhance operations for water quality benefit.

**Action Item:** The operator of the Street Sweeper is provided annual training with the Public Works department for stormwater best practices.

- h. The permittee must include the following in the SWMP and update as changes are made:
  - 1. A description of the street sweeping frequency and any significant changes in the sweeping frequency map, along with the basis for those changes
  - 2. The types of sweepers used
  - 3. A summary of the proper sweeping operation verification results and street sweeping methods, including the way in which the permittee specifies and confirms the rate or speed at which street miles are covered by sweeper operators
  - 4. The use of additional resources in sweeping seasonal leaves or pick-up of other material
  - 5. A description of the methods for addressing areas identified in Part 6.5.3, considered infeasible for street sweeping

**Action Item:** A Street Sweeping Frequency Map will be developed during this permit period, which will include the frequency, type of sweepers used, methods of sweeping, rate or speed at which street miles are covered, other sources used for seasonal leaves or pick-up of other materials, and methods for addressing areas identified in Part 6.5.3.

6.5.4. Maintenance of municipally-owned and/or maintained structural stormwater controls

a. The permittee must inspect at least yearly, and maintain if necessary, all municipally-owned or maintained structural stormwater controls. The permittee must also maintain all green infrastructure practices through regularly scheduled maintenance activities.

# 6.6 Flood Management.

**6.6.1.** Flood Management Projects – Within two years of permit issuance, the permittee must develop and implement a process to assess the water quality impacts in the design of all new flood management projects that are associated with the permittee or that discharge to the MS4. This process must include consideration of controls that can be used to minimize the impacts to site water quality and hydrology while still meeting the project objectives. Beginning three years from date of permit issuance, the permittee must assess at least two existing flood management projects per year to determine whether changes or additions should be made to improve water quality. A description of this process must be included in the SWMP document.

**Action Item:** The City of Springdale manages floodplain development in conformance with a combination of the City's Stormwater Pollution Prevention, Grading, and Erosion Control manual (Chapter 107), the Drainage Criteria Manual (Chapter 106), and the Springdale Flood Damage Prevention Code. The City of Springdale participates in the National Flood Insurance Program and the higher standard Community Rating System (CRS) program. A comprehensive review and extensive requirements are in place and required for any project located in or adjacent to flood risk areas.

# 6.7 Pesticide, Herbicide, and Fertilizer Application and Management.

## 6.7.1. Landscape maintenance

- a. The permittee must evaluate the materials used and activities performed on public spaces such as parks, schools, golf courses, easements, public rights of way, and other open spaces for pollution prevention opportunities. Maintenance activities for the turf landscaped portions of these can include mowing, fertilization, pesticide application, irrigation, etc. Typical pollutants include sediment, nutrients, hydrocarbons, pesticides, herbicides and organic debris.
- *b.* The permittee must implement the following practices to minimize landscaping-related pollutant generation:
  - 1. Educational activities, permits, certifications, and other measures for municipal applicators and distributors.
  - 2. Integrated pest management measures that rely on non-chemical solutions, including
    - Use of native plants, xeriscaping in arid/semi-arid regions (reduces water usage and fertilization)

**Action Item:** Native vegetation and other best practices are preferred practices and are to be planted as guided by the City of Springdale Horticulturist in Public Works projects.

• Keeping clippings and leaves away from waterways and out of the street using mulching, composting, or landfilling

Action Item: It is a violation of Section 107.1.D, yard waste is defined to include such materials. In Section 107.2.A.1 it is stated that "no person shall release or cause to be released into the storm drainage system any discharge that is not composed entirely of uncontaminated stormwater. Common stormwater contaminants include trash, yard waste, lawn chemicals, pet waste, wastewater, oil, petroleum products, cleaning products, hazardous waste and sediment."

• Limiting application of pesticides and fertilizers if precipitation is forecasted within 24 hours or as specified in label instructions

Action Item: Section 107.2.C. Requirements Application to Certain Dischargers includes item "8. Pesticides, Herbicides and Fertilizers. Pesticides, herbicides and fertilizers shall be applied in accordance with manufacturer recommendations and applicable laws. Excessive application shall be avoided."

• Limiting or replacing pesticide use (e.g., manual weed and insect removal)

**Action Item:** The City requires manufacture recommendations for usage, but does not prohibit usage or require replacing pesticide usage. Excessive application, however, is prohibited (Sec 107.2.C.8).

• Limiting or eliminating the use of fertilizers, or, if necessary, prohibiting application within 5 feet of pavement, 25 feet of a storm drain inlet, or 50 feet of a waterbody

**Action Item:** The City requires manufacture recommendations for usage, but does not prohibit usage or require replacing pesticide usage. Excessive application, however, is prohibited (Sec 107.2.C.8).

• Reducing mowing of grass to allow for greater pollutant removal, but not jeopardizing motorist safety

**Action Item:** The City does not require reductions in mowing of grass, but does encourage native vegetation usage in public projects such as rain gardens and streambank restoration projects.

3. Schedules for chemical application that minimize the discharge of such constituents due to irrigation and expected precipitation.

**Action Item:** The City utilizes a third party for chemical application in Parks & Recreation that provides applications to manufacturers recommendations as needed.

4. The collection and proper disposal of unused pesticides, herbicides, and fertilizers.

**Action Item:** The City requires manufacture recommendations for usage, but does not prohibit usage or require replacing pesticide usage. Excessive application, however, is prohibited (Sec 107.2.C.8).

# 6.8 Training and Education

**6.8.1.** Employee Training Requirements – Permittees must develop an annual employee training program for appropriate employees involved in implementing pollution prevention and good housekeeping practices in the preceding Parts. All new hires must receive training within the first year of their hire date. This annual training must include a general stormwater education component, any new technologies, operations, or responsibilities that arise during the year, and the Permit Requirements that apply to the staff being trained. A description of the program must be maintained for review by the permitting authority. The permittee must also identify and track all personnel requiring training and records must be maintained. Training must begin within 1 year from the effective date of permit authorization.

**Action Item:** The Engineering Department provides city-wide training annually utilizing an agreement with the University of Arkansas Washington County Extension Office. Also, additional training is made available for Construction Stormwater Management Pre-Construction on a regular basis, and is offered to department staff city-wide. Records are maintained with the Extension Office of our annual training, and reported with the City's Annual Report.

# 6.9 Contractor Requirements and Oversight

6.9.1. Requirements for Contractors:

a. Any contractors hired by the permittee to perform municipal maintenance activities must be contractually required to comply with all of the stormwater control measures, good housekeeping practices, and facility-specific stormwater management SOPs described above.

b. The permittee must provide oversight of contractor activities to ensure that contractors are using appropriate control measures and SOPs. Oversight procedures must be described in the SWMP document.

# Part 7. INDUSTRIAL STORMWATER SOURCES

# 7.1 Summary.

This program component typically applies only to Phase I MS4 permittees as Phase II federal regulations (40 CFR 122.34(b)) do not specifically address stormwater discharges from industrial facilities and commercial businesses (other than as part of the education and outreach program).

Action Item: The City of Springdale does not include an "Industrial Stormwater Sources" component within their Stormwater Management Program and no action will be taken during this permit period with the Phase II permit pursuant to federal guidelines.

# Part 8. MONITORING, EVALUATION, AND REPORTING

# 8.1 Summary.

Phase II MS4 regulations allow, but do not specifically require, monitoring. Phase II MS4s are required to evaluate program compliance, the appropriateness of identified control measures, and progress toward achieving identified measurable goals. See 40 CFR 122.34(g).

# 8.2 Permit Requirements.

Section 303(d) of the Clean Water Act and the U.S. Environmental Protection Agency's (EPA) Water Quality Planning and Management Regulations (40 CFR Part 130) requires states to develop Total Maximum Daily Loads (TMDLs) for impaired waterbodies. A TMDL establishes the amount of a pollutant that a waterbody can assimilate without exceeding its water quality-based controls to reduce pollution from both point and nonpoint sources to restore and maintain the quality of the state's water resources (USEPA, 1991).

A TMDL exists in ADEQ Planning Segment 3J, located within the Ozark Highlands Ecoregion. This TMDL is for the impaired waterbody Clear Creek HUC 11110103-029 in the Arkansas River Basin in Northwest Arkansas.

The Wasteload Allocation (WLA) portion of the TMDL is the total loading of a pollutant that is assigned to point sources. There is one known permitted facility discharging sanitary wastewater into the Clear Creek HUC-reach 11110103-029 and four MS4 NDPES permits in the study area, including City of Springdale MS4.

Point Source Loading = monthly average flow rates (mgd) \* monthly maximum corresponding fecal coliform or E. coli criteria (cfu/100 mL) \* unit conversion factor (100 mL/mgd)

Where: Unit Conversion Factor = 37,854,120 100 mL/mgd

The point source individual WLAs are shown in the table below.

	Clear Creek: River Reach AR11110103-029									
NPDES Permit #	Facility	PCR-S FC	PCR-W/SCR FC	PCR-S E Coli	PCR-W-SCR E Coli					
		Wasteload Allocation – cfu/day								
AR0020010	Fayetteville WWTP outfall 002 (flow = 6.0 MGD)	9.08E+10	4.54E+11	9.31E+10	4.66E+11					
ARR040010	City of Fayetteville MS4	1.09E+11	5.43E+11	1.12E+11	5.59E+11					
ARR040038	City of Johnson MS4	1.60E+10	8.00E+10	1.64E+10	8.24E+10					
ARR040019	City of Springdale MS4	5.25E+10	2.62E+10	5.38E+10	2.70E+11					
ARR040023	Washington County MS4	4.65E+10	2.32E+11	4.77E+10	2.39E+11					

PCR-S (primary contact recreation summer) criteria- between May 1 - Sept 30 for pathogens.

**PCR-W** (primary contact recreation winter) criteria-between Oct 1 - Apr 30, criteria may not exceed **SCR** (secondary contact recreation) criteria limits.

SCR - Year round criteria limits.

cfu/day = colony forming units/day

The BMPs provided in the SWMP will be implemented and monitored as a surrogate for the numeric limit.

Action Item: The City of Springdale will implement a Monitoring and Sampling Plan in accordance with the TMDL assigned to Clear Creek. At minimum, samples will be taken quarterly and analyzed for Fecal Coliform and E. Coli.

## Summary of Measurable Goals:

- Analyze samples for E. Coli and Fecal Coliform in Clear Creek
- Calculate loading of identified pollutant
- Evaluate program effectiveness and TMDL compliance

# 8.3 Sampling Procedure.

Samples will be taken just downstream of the confluence of Clear Creek and Clear Creek Tributary 1, as shown on page 89. This is the furthest downstream location of Clear Creek within the City of Springdale's MS4.

At minimum, quarterly samples will be taken in accordance with 40 Code of Federal Regulation (CFR) Part 136 at the identified outfall and tested for the constituents in the table above. The samples will be taken at base flow periods and not during or directly following a rain event. Standard engineering methods will be used to estimate the flow and calculate loading.

All results from sampling will be reported in the Annual MS4 Report, along with progress of the program implementation. The City will evaluate TMDL compliance, BMP implementation, and progress toward achieving identified measurable goals annually.



# Appendix A: Forms

Project ID (offic Notice: All fields are required to be completed in full.	e use only): Applications with missing information will not be approved.
In accordance with Chapter 107.3(B) of the Ci sites where activity is to disturb soil or remove following from the applicant:	ty of Springdale Code of Ordinances, all construction vegetation on 0.5 or more acres will require the
Sites disturbing less than 5 acres: Grading Permit Application SWPPP or Erosion Control Plan Automatic Coverage Notice Fee If the area of disturbance is less than T	1 acre, a fee of \$250.00 is required.
Sites disturbing 5 or more acres: Grading Permit Application SWPPP ADEQ Notice of Coverage	
Fee of \$500.00	
Fee of \$500.00 Please note that, unless specified on the plan to include the entire property or platted area. A work may not commence until all documents h Engineering Department. Additionally, all com and Engineering Department.	set or SWPPP, the area disturbed shall be assumed A pre-construction meeting will not be scheduled and have been submitted and approved by the ments must be addressed through both the Planning
Fee of \$500.00 Please note that, unless specified on the plan to include the entire property or platted area. A work may not commence until all documents h Engineering Department. Additionally, all com and Engineering Department. Proposed Grading Site Information:	set or SWPPP, the area disturbed shall be assumed A pre-construction meeting will not be scheduled and have been submitted and approved by the ments must be addressed through both the Planning
Fee of \$500.00 Please note that, unless specified on the plan to include the entire property or platted area. A work may not commence until all documents h Engineering Department. Additionally, all command and Engineering Department. Proposed Grading Site Information: Job Title (on plans):	set or SWPPP, the area disturbed shall be assumed A pre-construction meeting will not be scheduled and have been submitted and approved by the ments must be addressed through both the Planning Nearest Intersection:
Fee of \$500.00  Please note that, unless specified on the plan to include the entire property or platted area. <i>A</i> work may not commence until all documents h Engineering Department. Additionally, all com and Engineering Department.  Proposed Grading Site Information: Job Title (on plans): Physical Address:	set or SWPPP, the area disturbed shall be assumed a pre-construction meeting will not be scheduled and have been submitted and approved by the ments must be addressed through both the Planning Nearest Intersection: Parcel Number(s):
Fee of \$500.00  Please note that, unless specified on the plan to include the entire property or platted area. <i>A</i> work may not commence until all documents h Engineering Department. Additionally, all com and Engineering Department.  Proposed Grading Site Information: Job Title (on plans): Physical Address: Total combined parcel acreage:	set or SWPPP, the area disturbed shall be assumed A pre-construction meeting will not be scheduled and have been submitted and approved by the ments must be addressed through both the Planning Nearest Intersection: Parcel Number(s): Proposed acreage to be disturbed:

Engineer's Informatio	1:	
Name of Firm:	Engineer:	
Phone:	City/State/Z	p:
Operator's Information	n (Responsible Party): N	opperator has been selected at this time.
Company:	Responsible	Individual:
<sup>o</sup> hone:	Mailing Add	ess:
Email:	City/State/Z	p:
By signing this application, person or persons who is c specifications andrequirem have full authority to issue such materials, labor, equip manner. If no superintende the person conducting the v	the operator agrees to have on the proj ompetent and capable of reading and ents for the type of work being perform orders or direction to employees worki oment, tools, and incidentals as may be nt is on site, the city official may issue iolation.	ect site at all times an agent or qualified thoroughly understanding the plans, ed. The qualified person or persons shall ng on site without delay and to promptly supply required to complete the work in a proper the Notice of Violation and Stop Work Order to
By signing this application, person or persons who is c specifications andrequirem have full authority to issue such materials, labor, equi manner. If no superintende the person conducting the Signature:	the operator agrees to have on the proj ompetent and capable of reading and ents for the type of work being perform orders or direction to employees worki ment, tools, and incidentals as may be nt is on site, the city official may issue iolation.	ect site at all times an agent or qualified thoroughly understanding the plans, ed. The qualified person or persons shall og on site without delay and to promptly supply required to complete the work in a proper the Notice of Violation and Stop Work Order to Date:
By signing this application, person or persons who is c specifications andrequirem have full authority to issue such materials, labor, equip manner. If no superintende the person conducting the v Signature: Permittee's Informatio Permittee Name:	the operator agrees to have on the proj ompetent and capable of reading and ents for the type of work being perform orders or direction to employees worki oment, tools, and incidentals as may be nt is on site, the city official may issue iolation.	ect site at all times an agent or qualified thoroughly understanding the plans, ed. The qualified person or persons shall ing on site without delay and to promptly supply required to complete the work in a proper the Notice of Violation and Stop Work Order to Date:
By signing this application, person or persons who is c specifications andrequirem have full authority to issue such materials, labor, equip manner. If no superintende the person conducting the or Signature: Permittee's Informatio Permittee Name: Phone:	the operator agrees to have on the proj ompetent and capable of reading and ents for the type of work being perform orders or direction to employees worki ment, tools, and incidentals as may be nt is on site, the city official may issue iolation.	ect site at all times an agent or qualified thoroughly understanding the plans, ed. The qualified person or persons shall ng on site without delay and to promptly supply required to complete the work in a proper the Notice of Violation and Stop Work Order to Date:
By signing this application, person or persons who is c specifications andrequirem have full authority to issue such materials, labor, equi manner. If no superintende the person conducting the v Signature:	the operator agrees to have on the proj ompetent and capable of reading and ents for the type of work being perform orders or direction to employees worki imment, tools, and incidentals as may be nt is on site, the city official may issue iolation. <b>n (Owner or Authorized Rep):</b> Mailing Add City/State/Z w that this document and all attachments erstand that the operator, whom has be of the City of Springdale Ordinance Cha a), revised September 2017. I understan that this property remains in compliance ces of Violation or Construction Site Ins of Springdale authorization to access a ator for compliance before, during, and in appletion of construction, as defined in C armwater Manager."	ect site at all times an agent or qualified thoroughly understanding the plans, ed. The qualified person or persons shall ag on site without delay and to promptly supply required to complete the work in a proper the Notice of Violation and Stop Work Order to Date:

# Stormwater Pollution Prevention Plan (SWPPP) Checklist

	STORMWATER PROGRAM					
Stormwater Pollution Prevention Plan Checklist						
	Project ID:					
he y (	Stormwater Pollution Prevention Plan (SWPPP) shall be prepared in accordance with good engineering practice qualified personnel and shall:					
	Identify potential sources of pollution which may reasonably be expected to affect the quality of stormwater discharges from construction					
	Identify, describe and ensure the implementation of Best Management Practices (BMPs), with emphasis on initial site stabilization, which are to be used to reduce pollutants in stormwater discharges from the construction site					
	Be site specific to what is taking place on a particular construction site					
	Ensure compliance with the terms and conditions of the Grading Permit					
	Identify the responsible party for on-site SWPPP implementation					
	Site Description					
	Receiving Waters					
	Documentation of Permit Eligibility Related to the 303(d) list and Total Maximum Daily Loads (TMDL)					
	Attainment of Water Quality Standards after Authorization					
	Site Map					
	Stormwater Controls					
	1. Initial Site Stabilization, Erosion, and Sediment Controls and Best Management Practices					
	2. Stabilization Practices					
	3. Structural Practices					
	Other Controls					
	Non-Stormwater Discharges					
	Post-Construction Stormwater Management					
	Applicable State or Local Programs					

Inspections	
1. Inspection Frequency	
2. Inspection Form	
3. Inspection Records	
4. Winter Conditions	
5. Adverse Weather Conditions	
Maintenance	
Employee Training	
Additional Comments:	
Paviewar Name (Brint)	

VER. 2019-1

	虪 City of Springdale 🔜
	STORMWATER PROGRAM
	Non-stormwater Discharge to MS4 Request
SEC. 1	07.2 PROHIBITION S AND REQUIREMENT S
2. 3.	No person shall release or cause to be released into the storm drainage system any dischargethat is not composed entirely of uncontaminated stormwater. Common stormwater contaminants include trash, yard waste, lawn chemicals pet waste, wastewater, gjl, petroleum products, cleaning products, paint products, hazardous waste and sediment. Any discharge shall be prohibited by this Section if the discharge in question has been determined to be a source of pollutants to the storm drainage system. The construction, use, maintenance or continued existence of illicit connections to the storm drain system is
4.	prohibited. This prohibition expressly includes, without limitation, illicit connections made in the past, regardless of whether the connection was permissible under law or practices applicable or prevailing at the time of connection. No person shall connect a line conveying sanitary sewage, domestic sewage or industrial waste, to the storm
5.	drainage system, or allow such a connection to continue. No person shall maliciously destroy or interfere with BMP's implemented pursuant to this Chapter.
B. Exemp	tions. The following non-stormwater discharges are deemed acceptable and not a violation of this Section:
2.	Uncontaminated waterline flushing and other infrequent discharges from potable water sources;
3. 4.	Infrequent uncontaminated discharge from landscape irrigation or lawn watering; Discharge from the occasional non-commercial washing of vehicles on properties zoned A-1, R-E, SF-1, SF-2, SF-3, SF-4, MF-2, MF-4, MF-12, MF-16, MF-24, P-1 or PUD, or the non-commercial washing of vehicles by charitable organizations. However, individuals and charitable organizations shall choose a biodegradable soap specifically
	your vehicle on unpaved surfaces so that the toxic waste water can be absorbed and neutralized in soil instead of flowing directly into storm drains or open water bodies.
5.	Car Lot Washing - When washing multiple vehicles at dealerships or used car lots shall use facilities draining directly
5.	Car Lot Washing - When washing multiple vehicles at dealerships or used car lots shall use facilities draining directly to the sanitary sewage or use a biodegradable soap specifically formulated for automotive usage, soap shall be both chlorine and phosphate-free as well as non-petroleum-based. All toxic waste water flowing directly into storm drains
5.	Car Lot Washing - When washing multiple vehicles at dealerships or used car lots shall use facilities draining directly to the sanitary sewage or use a biodegradable soap specifically formulated for automotive usage, soap shall be both chlorine and phosphate-free as well as non-petroleum-based. All toxic waste water flowing directly into storm drains or open water bodies is prohibited. Uncontaminated discharge from foundation, footing or crawl space drains, sump pumps and air conditioning.
5. 6. 7.	Car Lot Washing - When washing multiple vehicles at dealerships or used car lots shall use facilities draining directly to the sanitary sewage or use a biodegradable soap specifically formulated for automotive usage, soap shall be both chlorine and phosphate-free as well as non-petroleum-based. All toxic waste water flowing directly into storm drains or open water bodies is prohibited. Uncontaminated discharge from foundation, footing or crawl space drains, sump pumps and air conditioning condensation drains; Uncontaminated groundwater, including rising groundwater, groundwater infiltration into storm drains, pumped or oundwater and springs:
5. 6. 7. 8. 9.	Car Lot Washing - When washing multiple vehicles at dealerships or used car lots shall use facilities draining directly to the sanitary sewage or use a biodegradable soap specifically formulated for automotive usage, soap shall be both chlorine and phosphate-free as well as non-petroleum-based. All toxic waste water flowing directly into storm drains or open water bodies is prohibited. Uncontaminated discharge from foundation, footing or crawl space drains, sump pumps and air conditioning condensation drains; Uncontaminated groundwater, including rising groundwater, groundwater infiltration into storm drains, pumped groundwater and springs; Diverted stream flows and natural riparian habitat or wetland flows; A discharge orflow of fire protection water that does not contain oil or hazardous substances or materials.
ь. 6. 7. 8. 9. scharge add	Car Lot Washing - When washing multiple vehicles at dealerships or used car lots shall use facilities draining directly to the sanitary sewage or use a biodegradable soap specifically formulated for automotive usage, soap shall be both chlorine and phosphate-free as well as non-petroleum-based. All toxic waste water flowing directly into storm drains or open water bodies is prohibited. Uncontaminated discharge from foundation, footing or crawl space drains, sump pumps and air conditioning condensation drains; Uncontaminated groundwater, including rising groundwater, groundwater infiltration into storm drains, pumped groundwater and springs; Diverted stream flows and natural riparian habitat or wetland flows; A discharge orflow of fire protection water that does not contain oil or hazardous substances or materials.
5. 6. 7. 8. 9. scharge ado	Car Lot Washing - When washing multiple vehicles at dealerships or used car lots shall use facilities draining directly to the sanitary sewage or use a biodegradable soap specifically formulated for automotive usage, soap shall be both chlorine and phosphate-free as well as non-petroleum-based. All toxic waste water flowing directly into storm drains or open water bodies is prohibited. Uncontaminated discharge from foundation, footing or crawl space drains, sump pumps and air conditioning condensation drains; Uncontaminated groundwater, including rising groundwater, groundwater infiltration into storm drains, pumped groundwater and springs; Diverted stream flows and natural riparian habitat or wetland flows; A discharge orflow of fire protection water that does not contain oil or hazardous substances or materials.
5. 6. 7. 8. 9. scharge add esponsible C oposed disc	Car Lot Washing - When washing multiple vehicles at dealerships or used car lots shall use facilities draining directly to the sanitary sewage or use a biodegradable soap specifically formulated for automotive usage, soap shall be both chlorine and phosphate-free as well as non-petroleum-based. All toxic waste water flowing directly into storm drains or open water bodies is prohibited. Uncontaminated discharge from foundation, footing or crawl space drains, sump pumps and air conditioning condensation drains; Uncontaminated groundwater, including rising groundwater, groundwater infiltration into storm drains, pumped groundwater and springs; Diverted stream flows and natural riparian habitat or wetland flows; A discharge orflow of fire protection water that does not contain oil or hazardous substances or materials.
6. 7. 8. 9. scharge add esponsible C oposed disc escription of	Car Lot Washing - When washing multiple vehicles at dealerships or used car lots shall use facilities draining directly to the sanitary sewage or use a biodegradable soap specifically formulated for automotive usage, soap shall be both chlorine and phosphate-free as well as non-petroleum-based. All toxic waste water flowing directly into storm drains or open water bodies is prohibited. Uncontaminated discharge from foundation, footing or crawl space drains, sump pumps and air conditioning condensation drains; Uncontaminated groundwater, including rising groundwater, groundwater infiltration into storm drains, pumped groundwater and springs; Diverted stream flows and natural riparian habitat or wetland flows; A discharge orflow of fire protection water that does not contain oil or hazardous substances or materials.
5. 6. 7. 8. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9.	Car Lot Washing - When washing multiple vehicles at dealerships or used car lots shall use facilities draining directly to the sanitary sewage or use a biodegradable soap specifically formulated for automotive usage, soap shall be both chlorine and phosphate-free as well as non-petroleum-based. All toxic waste water flowing directly into storm drains or open water bodies is prohibited. Uncontaminated discharge from foundation, footing or crawl space drains, sump pumps and air conditioning condensation drains; Uncontaminated groundwater, including rising groundwater, groundwater infiltration into storm drains, pumped groundwater and springs; Diverted stream flows and natural riparian habitat or wetland flows; A discharge orflow of fire protection water that does not contain oil or hazardous substances or materials. dress: priganization: harge date(s): discharge: (or attach) ow as the "Signature of Responsible Organization Agent", I agree that I am an authorized agent for the Organization above, and agree that to the best of my knowledge, the requested discharge is not defined in above, and <u>is defined</u> in "Exemptions" above. As the agent for the organization, I understand that I am rany resulting violations of Chapter 107 - STORMWATER POLLUTION PREVENTION, GRADING, AND NTROL.
5. 6. 7. 8. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9.	Car Lot Washing - When washing multiple vehicles at dealerships or used car lots shall use facilities draining directly to the sanitary sewage or use a biodegradable soap specifically formulated for automotive usage, soap shall be both chlorine and phosphate-free as well as non-petroleum-based. All toxic waste water flowing directly into storm drains or open water bodies is prohibited. Uncontaminated discharge from foundation, footing or crawl space drains, sump pumps and air conditioning condensation drains; Uncontaminated groundwater, including rising groundwater, groundwater infiltration into storm drains, pumped groundwater and springs; Diverted stream flows and natural riparian habitat or wetland flows; A discharge orflow of fire protection water that does not contain oil or hazardous substances or materials. dress: uncontaminated (or attach) ow as the "Signature of Responsible Organization Agent", I agree that I am an authorized agentfor the lorganization above, and agree that to the best of my knowledge, the requested discharge is not defined in above. As the agentfor the organization, I understand that I am rany resulting violations of Chapter 107 - STORMWATER POLLUTION PREVENTION, GRADING, AND NTROL. of Responsible Organization Agent:
5. 6. 7. 8. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9.	Car LoT Washing - When washing multiple vehicles at dealerships or used car lots shall use facilities draining directly to the sanitary sewage or use a bio degradable soap specifically formulated for automotive usage, soap shall be both chlorine and phosphate-free as well as non-petroleum-based. All toxic waste water flowing directly into storm drains or open water bodies is prohibited. Uncontaminated discharge from foundation, footing or crawl space drains, sump pumps and air conditioning condensation drains; Uncontaminated groundwater, including rising groundwater, groundwater infiltration into storm drains, pumped groundwater and springs; Diverted stream flows and natural riparian habitat or wetland flows; A discharge or flow of fire protection water that does not contain oil or hazardous substances or materials. discharge or flow of fire protection water that does not contain oil or hazardous substances or materials. discharge:
6. 7. 8. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9. 9.	Car LoT Washing - When washing multiple vehicles at dealerships or used car lots shall use facilities draining directly to the sanitary sewage or use a biodegradable soap specifically formulated for automotive usage, soap shall be both chlorine and phosphate-free as well as non-petroleum-based. All toxic waste water flowing directly into storm drains or open water bodies is prohibited. Uncontaminated discharge from foundation, footing or crawl space drains, sump pumps and air conditioning condensation drains; Uncontaminated groundwater, including rising groundwater, groundwater infiltration into storm drains, pumped groundwater and springs; Diverted stream flows and natural riparian habitat or wetland flows; A discharge orflow of fire protection water that does not contain oil or hazardous substances or materials.  dress:



Permit No. ARR150000

# SITE WITH AUTOMATIC COVERAGE (LESS THAN 5 ACRES) CONSTRUCTION SITE NOTICE

FOR THE

Arkansas Department of Environmental Quality (ADEQ) Storm Water Program

NPDES GENERAL PERMIT NO. ARR150000

The following information is posted in compliance with **Part I.B.8.A** of the ADEQ General Permit Number **ARR150000** for discharges of stormwater runoff from sites with automatic coverage. Additional information regarding the ADEQ stormwater program may be found on the internet at:

www.adeq.state.ar.us/water/branch\_npdes/stormwater

Permit Number	ARR150000
Contact Name: Phone Number:	
Project Description (Name, Location, etc.): Start Date: End Date: Total Acres:	
Location of Stormwater Pollution Prevention Plan:	

For Construction Sites Authorized under Part I.B.6.A (Automatic Coverage) the following certification must be completed:

I \_\_\_\_\_\_\_\_\_(Typed or Printed Name of Person Completing this Certification) certify under penalty of law that I have read and understand the eligibility requirements for claiming an authorization under Part I.B.2. of the ADEQ General Permit Number ARR150000. A stormwater pollution prevention plan has been developed and implemented according to the requirements contained in Part II.A.2.B & D of the permit. I am aware there are significant penalties for providing false information or for conducted unauthorized discharges, including the possibility of fine and imprisonment for knowing violations.

Signature and	d l'itle
---------------	----------

Date

		CONTACT INFO:	RESPONSIBLE PERSON:	PROJECT LOCATION:	PROJECT NAME:		
PP DETAILS MUST BE MAINTAINED ON-SITE IN A V CONSTRUCTION ENTRANCE. A MAILBOX IS PREF INNOTICEIII SUBMIT AN UPDATED SW LATER THAN 1 MON Engineen 201: Springdale Phone	PHONE: VOID – Sample Only	EMAIL: VOID – Sample Only	: VOID – Sample Only	VOID – Sample Only	VOID – Sample Only	EXPIRES:	- GRADIN(
TEATHERPROOF CONTAINER, E ERRED WITH LABEL "SWPPP" O PPP AND GRADING PERMIT APP TH PRIOR TO EXPIRATION, Spring Chartment Spring Street 4, Arkansas 72764 479-756-7716	CONTACT INFO:	STAFF SIGNATURE:	APPROVAL DATE:	AUTHORIZED STAFF:	APPROVAL	01-01-20	<b>3 PERN</b>
ASILY ACCESSIBLE, NEAR THE ON THE SIDE OF THE BOX. PLICATION NO	hwren@springdalear.gov 479-756-7716	VOID – Sample Only	VOID – Sample Only	HOLLY WREN, NPDES TECH			
							R. 2019-2

# Grading Permit Document

SPRINGDALE Gra	ding Permit Extension
Notice: All fields are required to be	Project ID (office use only): e completed in full. Applications with missing information will not be approved.
Job Title (on plans):	Grading permit expiration date:
Total combined parcel acreage	e: Disturbed acreage:
Is any portion of the property lo If yes, a Floodplain Develop	ocated in a FEMA Special Flood Hazard Area? YES NO
Will a water truck be used duri	ng grading? YES NO
If yes, provide source:	
Operator's Information (Resp	oonsible Party):
Company:	Responsible Individual:
Phone:	Mailing Address:
Email:	City/State/Zip:
By signing this application, the opera person or persons who is competent specifications and requirements for have full authority to issue orders o such materials, labor, equipment, to manner. If no superintendent is on s the person conducting the violation.	ator agrees to have on the project site at all times an agent or qualified t and capable of reading and thoroughly understanding the plans, the type of work being performed. The qualified person or persons shall or direction to employees working on site without delay and to promptly supply ols, and incidentals as may be required to complete the work in a proper site, the city official may issue the Notice of Violation and Stop Work Order to
Signature:	Date:
Permittee's Information (Owr	ner or Authorized Rep): Mailing Address:
Phone:	City/State/Zip:
"I certify under penalty of law that thi best of my knowledge. I understand responsible for compliance of the Cit Grading, and Erosion Control, revise with the operator to ensure that this p the permittee regarding Notices of V signing below, I give the City of Sprir work completed by the operator for c	is document and all attachments provide true and accurate information to the that the operator, whom has been identified and signed this document, is ty of Springdale Ordinance Chapter 107 Stormwater Pollution Prevention, ed September 2017. I understand that the City of Springdale will work directly property remains in compliance with this ordinance, and may not always contact iolation or Construction Site Inspection Reports given to the operator. By ngdale authorization to access said project property and location, and inspect all compliance before, during, and after any construction activities until the grading of construction, as defined in Chapter 107, has been completed and approved
by the City of Springdale Stormwater	r Manager."

SPRINGDALE WITH AND ALLES HAINTAINED ON-SITE IN A WEATHERPROOF CONTAINER, EASILY ACCESSIBLE, NEAR THE CONSTRUCTION ENTRANCE. A MAILBOX IS PREFERRED WITH LABEL "SWPPP" ON THE SIDE OF THE BOX. IIINOTICEIII SUBMIT AN UPDATED SWPPP AND GRADING PERMIT APPLICATION NO LAIER IHAN LMONTHERIOR TO EXERNATION APPLICATION NO LAIER IHAN LMONTHERIOR TO EXERTALION. City of Springdale Engineering Department 201 Spring Street Springdale, Arkansas 72764 Phone 479-756-7716	PHONE: VOID - Sample Only CONTACT INFO: hwren@springdalear.gov 47	CONTACT INFO: EMAIL: VOID – Sample Only STAFF SIGNATURE: VOID – Sample Only	RESPONSIBLE PERSON: VOID – Sample Only APPROVAL DATE: VOID – Sample Only	PROJECT LOCATION: VOID - Sample Only AUTHORIZED STAFF: HOLLY WREN, NPDES T	PROJECT NAME: VOID - Sample Only APPROVAL	EXPIRES: 01-01-2018	PROVISIONAL GRADING PERMIT CONSTRUCTION OF IMPROVEMENTS NOT AUTHORIZE
RTHE	.gov 479-756-7716	y	y	DES TECH			VER. 2019-2

# Provisional Grading Permit Document



#### CITY OF SPRINGDALE STORMWATER CONSTRUCTION SITE INSPECTION REPORT

NPD

General Information								
Project Name		Permit Number						
Date of Inspection		Permit Expiration						
Inspector's Name and Title(s)	Priscila Morales, Stormwater Coordinator							
Inspector's Contact Information	O: 479-756-7716 C: 479-841-3887							
Present phase of construction								
Construction site was compliant at the time of this immedian								

Construction site was compliant at the time of this inspection.

BMP / activity	Maintenance Required?	Corrective Action Needed / Maintenance Required
Site Entrance / Exit	□Yes □No	
Rock Check Dam	Yes No	
Wattle	□Yes □No	
Silt Fence	□Yes □No	
Inlet Protection	□Yes □No	
Seed and Mulch / Sod	□Yes □No	
Concrete Washout	□Yes □No	
Secondary Containment	Yes No	
Sediment Pond / Trap	□Yes □No	
Buffer Zone	□Yes □No	
Dust Control	□Yes □No	
Trash / Litter Collection	Yes No	
Stockpile	□Yes □No	
Slope Stabilization	□Yes □No	
Hazardous Material Storage	□Yes □No	
Protection of neighboring properties	□Yes □No	
	□Yes □No	

NOTES:

#### CERTIFICATION STATEMENT

"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."

Print name and title: Priscila Morales, Stormwater Coordinator

Signature:

Date:

SPRINGOAL	City of S	pringdal	e							
	STORMWA	TER PROGRAM	N							
Ν	<b>OTICE OI</b>	F VIOLAT	ΓΙΟΝ							
Notice of Violati	on – a written notice detailing any violatio	ns of Chapter 107 and any action exp	ected of the violators.							
Grading Permit Number: **	Work Completed Estimate: Not started.	Today's Date:	Permit Expiration Date:							
ource: Construction Si	te Project 🚽 Inspect	or:	initial this box if referred to Neishborhood Services:							
Did the inspec	tor speak with a site superinte	ndent? • Yes (	) No							
If yes, what v	vas the site superintendent's	name?								
The project was dete	The project was determined to be in compliance with Chapter 107 at the time of this report.									
Installed BMPs (I.E. wattle, silt fence, ditch checks, etc.) do not match the installation locations or and/or details as provided to the City of Springdale and approved for construction. Grading plans shall conform to the NPDES Phase II Stormwater Regulations as established by the current ADEQ Construction Permit ARR 150000.										
						Any person proposing to engage in clearing, filling, excavating, quarrying, construction or similar activitie				
						on any piece of distu permit as specified in	rbed land of 0.5 acre or larger this chapter.	shall apply to the Stormwa	ter Manager for a grading	
Before a Grading Pe	rmit may be issued all develo	opments and improvement	e within the total acreace							
area must be approv	ed by the appropriate process th	hrough the Planning Depart	ment.							
No land alteration sl building permit, have	nall be permitted until all nece been issued and construction is	essary city approval of all is imminent.	plans and permits, except							
All construction wor neighboring propertie	k shall include appropriate o s.	drainage and erosion con	trol measures to protect							
Approval may be obt particular locations for	ained by public or private entiti r a limited time period, not to ex	ies for the stockpiling of co xceed six (6) months.	nstruction spoil material at							
No construction, to development, or imp Permit.	include, but not limited to, fo provements of any kind are a	oundation work on structu uthorized by the issuance	res, vehicular use areas, of a Provisional Grading							
A Provisional Gradin Completion of Cons in compliance with C	g Permit will expire six (6) mont struction portions b, c, d, and e hapter 107.	ths after date of issuance, a e, or must be converted to a	and must meet the defined a full Grading Permit, to be							
Appropriate provisio Practices Manual sh changed soil and su limitations on soil e construction has mig	ns such as those in the Dra all be used to accommodate s rface conditions during and aft xposure. If staff determines u	ainage Criteria Manual ar tormwater runoff and contr ter development, including upon visual inspection the	d the Best Management ol soil loss occasioned by the use of vegetation and at excessive silt from the required							
neighboring property.	easements, or to public drainage systems, and may not be directed to a									
---	---									
A copy of an approved Gr showing the location of al visible and maintained at the	ading or Erosion Control Plan, and a copy of the approved Dust Control Plan, I approved BMPs, attached to a copy of the Grading Permit, must be clearly he approved construction entrance.									
Open areas not planned fr than twenty-one (21) day accordance with this code.	or immediate use shall be seeded or sodded. Soil which is exposed for more s with no construction activity shall be seeded, mulched or re-vegetated in									
The operator or their qualif request, a copy of the SV specific BMPs.	ied person or persons shall be able to provide, upon the Stormwater Manager's VP3 on site and shall be prepared to respond to unforeseen maintenance of									
No slopes steeper than a 3	3:1 pitch unless otherwise approved in writing by the Director of Engineering.									
It shall be a violation of Construction as defined in	Chapter 107 if a Grading Permit is allowed to expire and Completion of n Chapter 107 has not been achieved.									
<ul> <li>be inspected annually by facility is still in complianc with the Engineering Department</li> </ul>	the responsible entity and/or by a licensed civil engineer to indicate that the e with the originally approved design. A copy of this inspection shall be filed artment. Failure to inspect shall constitute a violation of this chapter. If the									
facility fails to perform per approved and completed v specified time period is a v	r the original design specifications, then corrective action must be proposed, within a time period to be specified. Failure to take corrective action within the iolation of this chapter.									
facility fails to perform per approved and completed v specified time period is a v corrective measures to be taken: ate that work should be completed: lote: Work should be completed PRIOR to thi	r the original design specifications, then corrective action must be proposed, within a time period to be specified. Failure to take corrective action within the iolation of this chapter.									
facility fails to perform per approved and completed v specified time period is a v corrective measures to be taken: ate that work should be completed: lote: Work should be completed PRIOR to this DOES THIS NOTICE OF VIOLATION S	r the original design specifications, then corrective action must be proposed, within a time period to be specified. Failure to take corrective action within the iolation of this chapter.									
facility fails to perform per approved and completed v specified time period is a v corrective measures to be taken: ate that work should be completed: lote: Work should be completed PRIOR to this DOES THIS NOTICE OF VIOLATION S	r the original design specifications, then corrective action must be proposed, within a time period to be specified. Failure to take corrective action within the iolation of this chapter. is date. This date will be the date of follow-up site inspection, in which work must be completed by 7am.) ERVE AS A <u>STOP WORK ORDER</u> ? ying, construction or similar activities shall cease until an inspection report verifies compliance.									
facility fails to perform per approved and completed v specified time period is a v forrective measures to be taken: ate that work should be completed: lote: Work should be completed PRIOR to this DOES THIS NOTICE OF VIOLATION S YES, clearing, filling, excavating, quarr NO, work may continue while correcti o FAILURE TO COMPLY. Requires IF SIGNED clearing, filling, excav	r the original design specifications, then corrective action must be proposed, within a time period to be specified. Failure to take corrective action within the iolation of this chapter.									
facility fails to perform per approved and completed v specified time period is a v forrective measures to be taken: ate that work should be completed: lote: Work should be completed PRIOR to this DOES THIS NOTICE OF VIOLATION S YES, clearing, filling, excavating, quarr NO, work may continue while correcti o FAILURE TO COMPLY. Requires IF SIGNED clearing, filling, excav Individual resp	r the original design specifications, then corrective action must be proposed, within a time period to be specified. Failure to take corrective action within the iolation of this chapter. is date. This date will be the date of follow-up site inspection, in which work must be completed by 7am.) SERVE AS A STOP WORK ORDER? ying, construction or similar activities shall cease until an inspection report verifies compliance. We actions are being taken. Chief Building Inspector Signature Here: ating, quarrying, construction or similar activities shall cease until an inspection report verifies compliance.									
facility fails to perform per approved and completed v specified time period is a v forrective measures to be taken: ate that work should be completed: lote: Work should be completed PRIOR to this DOES THIS NOTICE OF VIOLATION S YES, clearing, filling, excavating, quarr NO, work may continue while correcti o FAILURE TO COMPLY. Requires IF SIGNED clearing, filling, excav Individual resp Driver's License/Sta	r the original design specifications, then corrective action must be proposed, within a time period to be specified. Failure to take corrective action within the iolation of this chapter. is date. This date will be the date of follow-up site inspection, in which work must be completed by 7am.) <b>ERVE AS A STOP WORK ORDER?</b> ying, construction or similar activities shall cease until an inspection report verifies compliance. We actions are being taken. Chief Building Inspector Signature Here: ating, quarrying, construction or similar activities shall cease until an inspection report verifies compliance. Donsible for activities in NOV: ate ID No of Responsible Party:									
facility fails to perform per approved and completed v specified time period is a v corrective measures to be taken: ate that work should be completed: lote: Work should be completed PRIOR to this DOES THIS NOTICE OF VIOLATION S YES, clearing, filling, excavating, quarm NO, work may continue while correcti o FAILURE TO COMPLY. Requires <u>IF SIGNED</u> clearing, filling, excava Individual resp Driver's License/Sta	r the original design specifications, then corrective action must be proposed, within a time period to be specified. Failure to take corrective action within the iolation of this chapter. is date. This date will be the date of follow-up site inspection, in which work must be completed by 7am.) <b>ERVE AS A STOP WORK ORDER?</b> ying, construction or similar activities shall cease until an inspection report verifies compliance. we actions are being taken. Chief Building Inspector Signature Here:									

VER. 2019-2



#### STORMWATER PROGRAM

# STOP WORK

### Detén el Trabajo

#### JOB REFERENCE:

###-## - ########

Stormwater Manager: Kristifier Paxton, NPDES Tech Please Call: 479-756-7716

#### Chapter 107.4.D

**Enforcement Options for Failure to Comply** 

The City of Springdale Engineering Director in conjunction with the *Chief Building Inspector* may issue a stop work order to any persons violating any provision of the City's Stormwater Pollution Prevention, Erosion Control, and Grading Ordinance by ordering that all site work stop except that necessary to comply with any administrative order.

V19.01

City of S	pringdale 📾
STORMWA	ATER PROGRAM
NOTICE OF TERMINATION	OF GRADING PERMIT #
Property Owner's Information:	Notice of Termination by Request - the Operator is requesting an inspection to prove that this project meets "Completion
Permittee Name:	of Construction" requirements defined in Chapter 107. Notice of Termination by Expiration - the Grading Permit
Mailing Address:	has expired. Your project must meet Completion of Construction within 7 days, or an extension request in the form of a Grading Permit
City/State/Zip:	Application, revised SWPPP, and any compliance changes must be submitted and approved.
Phone:	Notice of Termination by Review - during an inspection, a
Operator's Information: (Responsible Party) Name:	representative approved by the Director of Engineering has determined that Completion of Construction has been achieved, and has terminated your grading permit.
Mailing Address:	Engineering, in conjunction with the Chief Building Inspector, has
City/State/Zip:	terminated your Grading Permit. This is either due to a failure to comply with Chapter 107 requirements or to protect the safety and welfare of the general public. Completion of Construction as defined in Chapter 107 is required within 7 days. (Requires Director Signature)
The Stomwater Manager or Director of Engineering must obs Termination. The following is a required checklist which must be or shall be a violation of Chapter 107 if a Grading Permit is allowed to not been achieved. Initial each when completed (to be con Completion of Construction – defined as an development and grading within approved by the Planning Comr	erve Completion of Construction prior to approving a Notice of ompleted prior to the issuance of a Notice of Termination being issued. It o expire and Completion of Construction as defined in Chapter 107 has mpleted by City Engineering Department Staff) ny Construction Site with a Grading Permit in which: In the disturbed area is complete and matches plans as mission, and
the disturbed soil area is obse and	rved to have 80% grass coverage and 100% stability,
No slopes steeper than a 3:1 pi of Engineering, and	tch unless otherwise approved in writing by the Director
Notice of Violations issued ha report signed by a representativ	ve all corrective actions approved with an inspection ve of the Director of Engineering, and
all heavy equipment, stockpiles from the Construction Site.	s, and construction site materials have been removed
This document is not valid until signed by the D document is signed below by the Stormwater Manag been terminated. No further grading shall be per	irector of Engineering or Stormwater Manager. If this ger or Director of Engineering, the Grading Permit has mitted under this permit if this document is signed.
Kristifier Paxton, MGIS, CFM City of Springdale Stormwater Manager	<i>it Number</i> Bradley N. Baldwin, P.E. City of Springdale Director of Engineering

DETENTION/RE	FENTION CERTIFICATION
File Number (office use):	Date Submitted:
Address or Approximate Location:	
Responsible Individual:	
Entity Name:	Phone:
Mailing Address:	Email:
City/State/Zip:	
Engineer's Certification	n <u>Engineer Signature &amp; Seal</u>
Designed Storage Volume:	
As-Built Storage Volume:	
Designed Outlet Device Type:	
As-Built Outlet Device Type:	
Designed Outlet Device Dimensions:	
As-Built Outlet Device Dimensions:	
Designed Release (f <sup>3</sup> /sec):	Retention
As-Built Release (f <sup>3</sup> /sec):	Detention
By placing my professional stamp and signature on t according to the approved design on file with the Cit designed to drain to this pond in fact does drain to s Volume must be provided to the City of Springdale	is paper, I certify that this detention pond is constructed y of Springdale. I further certify that all the drainage area id pond. Calculations to determine the As-Built Storage Stormwater Manager.
Chapter 107.6 Maintenance of Stormwater Facilities B. Inspection of Detention and Retention Systems	
All stormwater detention and retention facilities mus licensed civil engineer to indicate that the facility is still inspection shall be filed with the Engineering Departme the facility fails to perform per the original design speci completed within a time period to be specified. Failur violation of this chapter.	be inspected annually by the responsible entity and/or by a in compliance with the originally approved design. A copy of this nt. Failure to inspect shall constitute a violation of this chapter. If ications, then corrective action must be proposed, approved and a to take corrective action within the specified time period is a
×-	

VER. 2019-1



#### City of Springdale Stormwater Program

Community Service Stormwater Restoration Request Form

What work is being requested?

[] Trash & General Cleanup

[] Brush & Vegetation Removal

[ ] Other \_\_\_\_\_

Location of Restoration Request:

Extent of restoration request and Area of Interest Photo:

## Appendix B: City Facilities



Parcel # 815-22506-010 - R L Hayes S/D Parcel # 815-22506-020 - R L Hayes S/D	Parcel # 815-29223-000 - Springdate Outlots Parcel # 815-29223-000 - Springdate Outlots 1600 W Den Tyson Pkwy Parcel # 815-38501-000 - Glass Commercial S/D Parcel # 815-38501-000 - Glass Commercial S/D Parcel # 815-38502-000 - Glass Commercial S/D Parcel # 815-38502-000 - Glass Commercial S/D Parcel # 815-38502-000 - Glass Commercial S/D 720 Glass Dr	Parcel# # 15 - S0292-000 - Parson Hills Comm St0 1776 E Robinson Parcel# # 815-30070-111 - Springdale Outlots 1623 S 48th St Parcel # 815-33683-202 - Springdale Outlots Har-Ber Ave	Parcel # 815-25315-000 - Railroad Addin Parcel # 815-25315-000 - Railroad Addin Parcel # 815-25316-000 - Railroad Addin Parcel # 815-27129-000 - White Hills Add II 3420 Elm Springs Rd Parcel # 815-37291-000 - Parson Hills Comm Sf0	301 E #MINISVIIIE AVE 815,27718-005 - Rain and RWV 2225 W Huntsville Fire Dept 417 Holcontb SI (parcel #'s below)
Springdale Industrial Park 2 Phase 3, Lots 11 & 12 S-T-R 06-17-29 5 35 acres Springdale Industrial Park, Lot 10A 1.63 acres Springdale Industrial Park, Lot 10B 1.63 acres S-T-R 31-18-29	Pt SE SW S.T.R. 11-17:30 7.00 acres Pt NE NW S.T.R. 14-17:30 1.95 acres Lot 2 S.T.R. 25-18:30 0.955 acres Lot 3 S.T.R. 25-18-30 0.911 acres Lot 4 S.T.R. 25-18:30 0.796 acres Lot 5 S.T.R. 25-18:30 0.829 acres	Lot 2 ST-R 06-17-29 PI SW 1/4-SE 1/4 S-T-R 04-17N-30W PI SW SE 955 acres PI NE SW S-T-R 31-16-30 2 11 acres	W 27 ft of N 82.25 ft of Bik 24 Bik 25, ST-R 35 ft 65 Bik 24 Bik 25, ST-R 35 ft 5:0 S 48 1/2 ft Bik 24, N 26 ft Bik 25 Bik 25, ST-R 36 ft 6:0 E 51,42 ft of S 156 ft 6 in of Bik 25 P1 Lot 1, Bik 3, ST-R 34-18-30 Lot 1, ST-R 06-17-29	S-T-R-36-18-30 0.55 acres
3/17/2017 9/19/2018 9/19/2018	1/31/2014 3/28/2014	10/9/1992	2/10/1904 1/3/1964 2/27/1965 12/27/1978 10/0/1982	9/18/100k
Fire Training Facility (cost includes site improvements) Land for future Fire Station No 8	Land for new Station No. 2	Fire Station No. 6 land for future Fire Station No 7	Central Fire Station Central Fire Station Fire Station No. 4 Fire Station No. 5	Donated End Station

Shiot Meeting Hati Parcei # 815-29864-000 - 222 Huntsville	MUSEUM 118 W Johnson - Original Museum building 815-26934-000 - Springdale Original 815-26935-000 - Springdale Original 815-26937-000 - Springdale Original	Community Engagement Parcel # 815-22927-000 - Holcombs First Addn 210 Spring St RECREATION & CULTURE	Animal Services Pancel # 81.5. 20637-0120 - Springstale Outlints 3801 Don Tysion Pkwy Building Inspection Parcel # 81.5-22956-000 - Holcombs First Addm 107 Spring St
P1 Lots 1 & 6, also N 1/2 closed street S-T-R 36-18-30	Eighty feet of North side, Lot 1, Block 7, and all lands lying East of above land to the center of former Mill Street, Part of Lot 1, Block 7 137.50 ft by 90 ft S-T-R 36-18-30 Pt Lots 18.8, Block 7 (114 x 137 fr/2) S-T-R 36-18-30 Pt NE SW 36-18-30 (67/r13.69/24.58/61.97/137.75) Lots 2.3.4.5.6.7, Block 7 S-T-R 36-18-30 Pt Lot 18.8 Pt Lot 1, Block 7 S-T-R 36-18-30	Lot 2, Bik 2, S-T-R 36-18-30 S/2 E 180 ft. Lot 2	PI NE VA NAVI A S.T.R 18.17.29 6.06 acres P1 Block 5 S.T.R 36-18-30 (160.93/ 80/160/80)
11/17/2004 6/30/2017	5/3/1881	1/15/1980	9/14/2018 8/28/1998
Shiich Meeling Hall (formerly Odd Fellows Lodge) (some parcels still in Urban Renewal Agency of Spdl name)	Shioh Museum	Community Engagement office	Sold \$(2)19

Rotary Park Playground (parce/#s below) Parcel # 815-29107-210 - Springdale Outlots Parcel # 815-29107-211 - Springdale Outlots	Tyson Sports Complex 4303 Watkins (parcel #'s below) 815-29107-600 - Springdale Outlots Parcel # 815-29107-210 - Springdale Outlots 4105 Watkins Ave	Bobby Hopper Park Parcel # 815-28733-000 - Springdale Outlots Parcel # 815-28733-001 - Springdale Outlots Bobby Hopper Park - site improvements added to land	200 Spring St & 300 N Mill 104 E Emma (parcel #'s below) Parcel # 815-22945-000 - Holcombs First Addn Parcel # 815-22947-000 - Holcombs First Addn Parcel # 815-22949-001 - Holcombs First Addn	LIBRARY Corner - Maple St & Pleasant ( <i>Part of Murphy Park parcels below</i> ) 815-27801-000 - Courty Court Plat 815-27807-000 - Courty Court Plat 815-27808-000 - Courty Court Plat 815-27808-000 - Courty Court Plat 815-27808-000 - Courty Court Plat	
WW 1/4 SE 1/4 S.T.R 09-17-30 beginning at NVV E 334 ft, S 660 ft, W 334 ft, N 660 ft 4.913 acres	NW 1/4 SE 1/4 S-T-R 09-17-30, less & except the West 334 ft 30.085 acres NW1/4 SE 1/4 S-T-R 9-17-30 approx 40 acres	PT NW SW S-T-R 31-16-29 8 44 acres	Lot 4, BIK 6, S.T.R 35; 18-30 Part Lot 4, 181 fritont Lot 4, BIK 6, S.T.R 36; 18:30 Part Lot 4 (20 1/2 x 140) Pt Lots 5-B, BIK 6 4 x 140' S.T.R 36; 18:30	Lot 1 NE NE 2-17-30 except W 150 ft & E 300 ft P1 Lot 1 NE NE 2-17-30 NV NVI 1-17-30 Lots 2-3 NE NE 2-17-30 NV NVI 1-17-30 P1 Lots 2-3 NE NE 5-1-R 30-17-30 All of Bik 3 & Part of Bik 4 5-1-R 36-18-30	
	10/30/1967 3/19/1965 10/31/2018	3/18/1991 3/18/1991 9/14/2016	11/4/1975 11/4/1975 11/9/2010	1/8/1965 1/8/1965 6/22/1960 1/8/1965 1/8/1965	
	Tysen Sports Complex Tysen Park	Botby Hopper Park Park land	Shiloh Square Shiloh Square Shiloh Square - correction of prior split	Likrany Shiloh Memorial Park	

el # 815-29107-220 - Springdale Outlots by Park Lake Ny Park 1 Watson - Murphy Park Youth Center 27807-000 - County Court Plat 27807-000 - County Court Plat 27817-000 - County Court Plat 27817-000 - County Court Plat 27819-000 - B F Grahams Addin 22087-000 - B F Grahams Addin	Lot 1 NE NE 2-17:30 except W 150 ft & E 300 ft PL Lot 1 NE NE 2-17:30 NW NW 1-17:30 Lots 2:3 NE NE 2-17:30 NW NW 1-17:30 Lots 2:3 NE NE 2-17:30 NW NW 1-17:30 Lot 4 NE NE S-T-R 02-17:30 F1 Lot 4 NE NE S-T-R 02-17:30 Lot 5 NE NE 2-17:30 NW NW 1-17:30 Lot 5 NE NE 2-17:30 NW NW 1-17:30 Lot 6 NE NE 2-17:30 NW NW 1-17:30 Lot 6 NE NE 2-17:30 NW NW 1-17:30 Lot 6 NE NE 2-17:30 NW NW 1-17:30 Lot 7. Bit 1, S-T-R 36-18:30 Lot 4, Bit 1, S-T-R 36-18:30 Lot 4, Bit 1, S-T-R 36-18:30	10/26/1989 1/8/1955 1/8/1955 6/22/1955 6/22/1955 1/8/1955 1/7/1955 2/24/1988 1/7/1955 1/7/1955 10/26/1976 10/26/1976	
	Lot 1 NE NE 2-17-30 except W 150 ft & E 300 ft P1 Lot 1 NE NE 2-17-30 NW NW 1-17-30 Lots 2-3 NE NE 2-17-30 NW NW 1-17-30 P1 Lots 2-3 NE NE 2-17-30 except the E 300 ft thereof Lot 4 NE NE S-T-R 2-17-30 except the E 300 ft thereof Lot 4 NE NE S-T-R 02-17-30 P1 Lot 4, NE NE (40 x 228 8) Lot 5 NE NE 2-17-30 & NW NW 1-17-30	1/8/1955 1/8/1955 6/22/1905 6/22/1905 1/8/1955 1/7/1955 2/24/1908 1/7/1954	Duck pond Picnic area & playgrou Sold 115/19 Pt NE/4 600 Ash
	Lot 1, Blk 1, S-T-R 36-18-30 Lot 2, Blk 1, S-T-R 36-18-30	10/26/1976	Park St Park Park St Park
	Lot 3. Bik 1, S-T-R 36-18-30 Lot 4, Bik 1, S-T-R 36-18-30	10/26/1976 10/26/1976	Park St Park Park St Park
	Lot 5, Blk 1, S.T.R 36-18-30 Lot 6, Blk 1, S.T.R 36-18-30	10/26/1976 10/26/1976	Park St Park Park St Park
	Lot 7, Bik 1, S-T-R 36-18-30 Lot 8, Bik 1, S-T-R 36-18-30 (Rendal of Pi Biock 1)	10/26/1976 10/28/1976	Park St Park Park St Park
	(Replat of Pt Block 1)		
	Lot 18, Bix 2, S.T.R 36-18-30 Lot 18, also S 1/2 alley on N side	10/26/1976	Old Grove St Pa
is Addn	Lot 19, Bix 2, S-T-R 36-18-30 Lot 19, also S 5 25 ft of alley	10/26/1976	Old Grove St P
ooks Addin ooks Addin	Lot 20, Bik 2, S-T-R 36-18-30	4/15/1976 10/26/1976	Old Grove St Old Grove St
10 - Brooks Addn 10 - Brooks Addn 10 - Brooks Addn 10 - Brooks Addn	Lots 24, 25, also S 5,25 ft of alley		

203 Park SI (parcel #'s below) 610 E Grove SI (parcel #'s below) Parcel # 815-20806-000 - Claypool Addin Parcel # 815-24879-000 - Picnic Addin Parcel # 815-24880-000 - Picnic Addin	Parcel # 815-20012-01 - Springdale Outlots Parcel # 815-20016-01 - Springdale Outlots 1906 Cambridge St SENIOR CENTERS (transfer from Parks & Rec)	306 Park St Parcel # 815-30637-003 - Springdale Outlots 3601 Dan Tyson Pkwy	Parcel # 815-28484-000 - County Court Plat 509 E Allen Ave Parcel # 815-24900-000 - Picnic Add	Fitzgerald Station and Homestead Parcel # 815-28671-002 - Springdale Outlots 2459 Old Wire Rd 2459 Old Wire Rd Parcel # 815-28671-003 - Springdale Outlots 1567 Dodd Ave	Parcel # 21-00167-470 - Benton County 7540 W County Line Parcel # 21-00167-471 - Benton County 8163 Carrie Smäth Parcel # 21-00167-545 - Benton County	Parcel # 815-36201-000 - Springdale Outlots 4009 Hytton Rd C L & Willie George Park - site improvements added to land NW Park - Ball @ Downum
	Pt SE/4 SW/4 S-T-R 2-17-30 2.38 acres Pt SW SW & PT SE SW S-T-R 2-17-30 3.57 acres	Pt NE 1/4 NW1/4 S-T-R 18-17-29 4 54 acres	Pt Lot 60 SW SE 288 45 x 398 61 S-T-R 36-18-30 1 459 acres Block 6, Lots 4-5-6 S-T-R 36-18-30 47 acres	PT SE NW S-T-R 30-18-29 2 15 acres Pt SE NW S-T-R 30-18-29 2 0 acres	E/2 SE/4 S.T.R 19-18-30 65.62 acres N 3/4 W/2 NE SE S-T-R 19-18-30 15.12 acres W/2 of W/2 SW 1/4 S-T-R 20-18-30 40.42 acres	S/2 NW NW S-T-R 16-17-29 20.00 acres & Pt SW NW S-T-R 16-17-29 20.94 acres
12/10/1976	1/15/2019	9/14/2018	7/23/2018 7/23/2018	625/2018	11/30/2012	6/30/2016
Springdale Senior Center - Meals on Wheels J Powell Senior Citizens Center Senior Citizens Parking	New Recreational Facility	Fulure park land			121 16 total acres or \$11,041.68 per acre	

Parcel # 815-30838-500	Watkins & 56th St 6373 Watkins Ave (64th & Watkins)	Parcel # 815.30837-000 Parcel # 815.30838-000 Parcel # 815.30838-200	ARVEST BALLPARK 3000 S 56th St	Parcel # 815-24805-000 - Prone Add 200 S Cleveland		Parcel # 815-24839-000 - Picnic Addn	205 Park St	Parcel # 815-24888-000 - Picnic Addn	Parcel # 815-24887-000 - Picnic Addh	Parcel # 815-24884-000 - Picnic Addn	Parcel # 615-24662-000 - Picnic Addi	Parcel # 815-24881-000 - Picnic Addn	
S-T-R 08-17-30 P1 NW 1/4 SE 1/4 S-T-R 09-17-30 75 acres (.31 acre R-O-W easement) (.13 permanent utility easement)	Pt NE SE 20.00 acres	PI NE SE :92 acres (200 x 200)		E 10 m Lot 13, Blik 5 E 15 ft Lot 13, Blik 5 Pt lots 2 & 3, Blik 4 S-T-R 36-18-30	alkey Nof Lots 8-11 Lot 13. Bit 4, S.T-R 36-18-30 E 15 e i to 15 other 5/3 of allow	Bik 4, S T R 36-18-30 Lots 4-12, Lot 13 except E 15 ft of	Pt Lots 2 & 3, also N/2 of adj vacated alley	Also N/2 of adj vacated alley Lot 2, Bik 4, S-T-R 36-18-30	Lot 5, Filk 3, S-T-R 36-18-30 Lot 6, Blk 3, S-T-R 36-18-30	Lot 4, Blk 3, S-T R 36-18-30	8/2 Lot 2, Lot 3, Bik 3, S T-R 36-18-30	Lot 2, Blk 3, S-T-R 36-18-30	Lot 1, BIK 3, S.T.R 36 18-30 N 45 11 Lot 1
	9/20/2007		10/30/2006	7/23/2010	4/25/1972	10/17/19/2	1014 724 070	12/15/1986	10/29/1976 10/29/1976	10/29/1976	10/29/1976	10/29/1976	10/29/1976
				J Powell & Spdt Senior Center parking lot	J Powell Senior Clizers Center	Springdale Senior Letter - weas on vinetis	Constructions Constant Monster in Minister	Springdale Senior Center - Meals on Wheels	Senior Citizens Parking Senior Citizens Parking	Senior Critzens Parking	Senior Cilizens Parking	Senior Cilizens Parking	Senior Citizens Parking