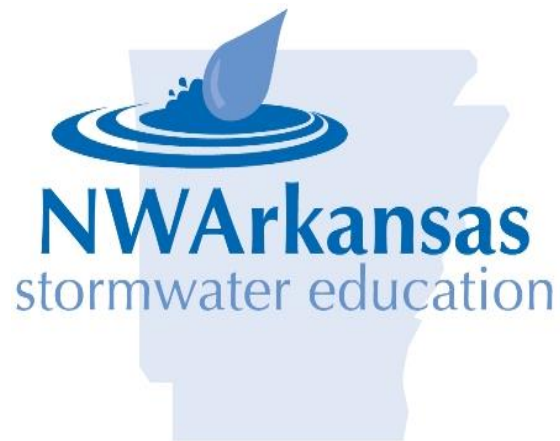


WASHINGTON COUNTY

STORMWATER MANAGEMENT PROGRAM



Washington County
Environmental Affairs & Recycling

Permit ARR 040023

Written: March 31, 2009
Updated: July 10, 2014

Table of Contents

	<u>Page Number</u>
Stormwater Management Program Overview	1
<ul style="list-style-type: none">• Goals• Term• Implementation• Resources• Retention of Records• Discharge Goals• Table of Organization	
Supporting Departments	2
Minimum Control Measure 1	3
<ul style="list-style-type: none">• Public Education & Outreach	
Minimum Control Measure 2	5
<ul style="list-style-type: none">• Public Involvement/ Participation	
Minimum Control Measure 3	5
<ul style="list-style-type: none">• Illicit Discharge & Elimination	
Minimum Control Measure 4	9
<ul style="list-style-type: none">• Construction Site Stormwater Runoff Control	
Minimum Control Measure 5	10
<ul style="list-style-type: none">• Post-Construction Stormwater Management for New Development and Redevelopment	
Minimum Control Measure 6	12
<ul style="list-style-type: none">• Pollution Prevention/ Good Housekeeping for Municipal Operations	
Legal Authority and SWMP Resources	13
Summary of Minimum Control Measures Schedule of Activities	13

STORMWATER MANAGEMENT PROGRAM (SWMP)

ADEQ Permit Number ARR040023

Goals

The goals of Washington County's Stormwater Management Program (SWMP) are to 1) reduce the discharge of pollutants from the MS4 area to the maximum extent practicable (MEP) and 2) satisfy the appropriate water quality requirements of the Arkansas Department of Environmental Quality and the Clean Water Act.

Term of SWMP

The SWMP shall cover the term of the permit, reviewed annually, and updated as necessary, or as required by the Environmental Affairs Director.

Implementation

Implementation of the revised and updated SWMP may be achieved through participation with other permittees, public agencies or private entities in corporative efforts to satisfy the requirement of Part 3 of the permit.

Total Maximum Daily Load (TMDL)

Washington County does not have any water bodies with an associated TMDL.

SWMP Resources

Washington County shall provide adequate finances, staff, equipment, and support capabilities to implement their activities under the SWMP to the maximum extent practicable (MEP).

Discharge Goals

The following goals are established for discharges from the Northwest Arkansas MS4:

1. No discharge of toxics in toxic amounts
2. No discharge of pollutants in quantities that would cause a violation of Arkansas Water Quality Standards
3. No discharge of floatable debris, oils, scum, foam, or grease in other than trace amounts
4. No discharge of non-storm water from the MS4 (except as provided in Permit)
5. No discharge of sediment from construction activities into the MS4

Table of Organization

MS4 Coordinator:

Washington County Environmental Affairs & Recycling Director Sophia Stephenson

Contact information:

2615 Brink Drive
Fayetteville, Arkansas 72701
Phone: 479-444-1725
Fax: 479-444-1726
Email: sstephenson@co.washington.ar.us

Supporting Departments

Fire Department

Spill prevention and response is a requirement in Washington County's MS4 permit ARR040023. The Hazmat Response Team of Washington County is responsible for responding to and containing spills that have a potential to pollute the County's MS4. The spill response program includes a combination of spill response by each permittee and legal requirements for private entities within the permittees municipal jurisdiction.

County Judge and Quorum Court

The County Judge and Washington County Quorum Court approve ordinances, changes to ordinances, contracts, fees and annual budgets.

Road Department

The Road Department works to sweep the streets, clean and maintain roadside ditches, and clean inlets. The Road Department also implements construction BMPs for road and bridge construction.

Water Department

Rural water department staff works to repair breaks and maintain water service and lines.

Sewer Department

Septic tank permits, inspections and enforcement are performed by the Arkansas Department of Health

Planning Department

The Planning Department places a high priority on implementing new and innovative environmental friendly development techniques to protect sensitive public and private water supplies. The Planning Department reviews large scale development plans, subdivision plans, and conditional use permits for appropriate drainage and sewage, floodplain compliance, and location in the urbanized area. They are also assisting with maintaining and updating maps of the stormwater features.

University of Arkansas Division of Agriculture Cooperative Extension Service (CES)

The University of Arkansas Cooperative Extension Service provides research-based information through non-formal education to help Arkansans improve their economic well-being and the quality of their lives. Since 2004, Washington County has jointly contracted with CES through the Northwest Arkansas Regional Planning Commission as a successful and cost-effective means of implementing the following minimum control measures required in our Phase II permits:

- #1) Public Education and Outreach
- #2) Public Involvement and Participation
- #6) Pollution Prevention and Good Housekeeping – municipal employee training component

Minimum Control Measures

Minimum Control Measure #1:

Public Outreach and Education on Stormwater Impacts (PE)

University of Arkansas Division of Agriculture Cooperative Extension Service

Permit Requirements: Regulation 40 CFR 122.34(b)(1): “The permittee must implement a public education program to distribute educational materials to the community or conduct equivalent outreach activities about the impacts of stormwater discharges on water bodies and the steps that the public can take to reduce pollutants in stormwater runoff.”

Responsible Party

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

Rationale

Washington County and the University of Arkansas Cooperative Extension Service participate in monthly meetings of the NWA Stormwater Compliance Group. We also have representation on the NWA Stormwater Education Steering committee (public membership comprised of diverse backgrounds/interests). The Education Steering committee 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 issues, target audiences and program methods, and plan public relations strategies.

Applicable Public Education/Outreach BMPs

PE #1

Develop and distribute electronic and printed educational materials

Input from both the MS4 Stormwater Compliance Group and Education Steering Committee guides the emphases of electronic and printed educational materials. Once topics have been 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, podcasts, e-learning modules, website content, newsletters, press releases, and PSAs.

Measurable Goals:

- A minimum of 20 electronic and printed educational materials will be developed. The number of educational materials distributed will be documented.
- MS4 Stormwater Compliance Group and Education Steering Committee meetings attendance will be documented.

PE #2

Create displays and staff educational booths

Displays highlighting the annual topics of emphasis will be created and set up/staffed at libraries, banks, schools, local festivals, county fairs, etc.

Measureable Goal:

- Stormwater displays will be created and used at a minimum of 3 events/locales

PE #3

Conduct stormwater programs for adult audiences

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 SWMP.

Measureable Goal:

- At least 5 stormwater education programs will be conducted for adult audiences

PE #4

Conduct hand-on youth stormwater/water quality education programs

Educational programs for school youth will focus on the water cycle, watersheds, stormwater dynamics, water quality and pollution prevention using the EnviroScape surface runoff model, groundwater simulator, hands-on exercises from Project WET, Project WILD, and Project Learning Tree and creek-side classrooms. Programs conducted will support the Arkansas State Frameworks/Common Core required curriculum.

Measureable Goals:

- At least 5 stormwater education programs will be conducted for youth audiences

**Minimum Control Measure #1:
5 Year Implementation Schedule**

2015	2016	2017	2018	2019
<i>Topic Emphases:</i> Yard and garden management	<i>Topic Emphasis:</i> Automotive maintenance	<i>Topic Emphasis:</i> Septic system and pool maintenance	<i>Topic Emphasis:</i> Litter/trash management	<i>Topic Emphasis:</i> Irrigation management to minimize runoff/disconnecting impervious surfaces
<i>Target Audience:</i> Homeowners and garden enthusiasts	<i>Target Audience:</i> Vehicle owners	<i>Target Audience:</i> Homeowners with septic systems/pools	<i>Target Audience:</i> General public, homeowners	<i>Target Audience:</i> Homeowners and businesses with irrigation systems and guttering

<i>Rationale:</i> Improper yard waste disposal can clog storm drains and excess fertilizer and pesticide applications can contaminate stormwater with nutrients and chemicals	<i>Rationale:</i> Leaking automotive fluids and washing vehicles on paved surfaces allow oil, grease and chemicals to be carried in stormwater to local waterways	<i>Rationale:</i> Malfunctioning septic systems, improper handling and disposal of pool chemicals and emptying chlorinated pool water can impact stormwater quality	<i>Rationale:</i> Improper handling and disposal of litter can allow it to enter the storm drain system and impact stormwater quality	<i>Rationale:</i> Efficient irrigation conserves water and prevents it from entering the storm drain system while disconnecting impervious surfaces minimizes runoff by enhancing infiltration
--	--	--	--	---

Performance Standard:

Urban stormwater outreach/education programs will reach at least 934 residents (50% of the urbanized area population).

Minimum Control Measure #2:

Public Involvement/Participation (PI)

University of Arkansas Division of Agriculture Cooperative Extension Service

Permit Requirements: The permittee must, at a minimum, comply with State and local public notice requirements when implementing a public involvement/participation program.

Responsible Parties

The jurisdiction is responsible for the development and implementation of the public involvement and participation efforts, utilizing the services of the University of Arkansas Cooperative Extension Service (contracted through the Northwest Arkansas Regional Planning Commission).

Rationale

Washington County and the University of Arkansas Cooperative Extension Service participate in monthly meetings of the NWA Stormwater Compliance Group. We also have representation on the Stormwater Education Steering committee (public membership comprised of diverse backgrounds/interests). The Education Steering committee 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 issues, target audiences and program methods, and plan public relations strategies.

Applicable Public Involvement BMPs and Measurable Goals

PI #1

Engage Residents in Stormwater Policy Development

Input from both the MS4 Stormwater Compliance Group and Education Steering Committee guides the emphases of electronic and printed educational materials. Once topics have been 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, podcasts, e-learning modules, website content, newsletters, press releases, and PSAs. (This item to be tracked and documented within Public Education/Outreach, MCM #1)

Measurable Goals:

- The number of educational/announcements materials distributed will be documented. (see MCM #1)
- MS4 Stormwater Compliance Group and Education Steering Committee meetings attendance will be documented. (see MCM #1)

PI #2

Train and Utilize Volunteer Educators

“Train-the-trainer” processes will be used to engage public volunteers and educators in teaching stormwater and pollution prevention (e.g. Benton and Washington County Master Gardeners, Master Naturalists, LakeSmart Leaders, etc.)

Measureable Goal:

- At least 1 train-the-trainer program will be conducted.

PI #3

Conduct Public Participation/Involvement Events

Citizen and youth groups will participate in public involvement events (litter pick up, establishing demonstration rain gardens, planting riparian vegetation, stenciling storm drain inlets, etc.).

Measureable Goal:

- At least 5 public participation events will be coordinated.

Performance Standard

At least 5 public participation and involvement activities will be conducted.

**Minimum Control Measure #2:
5 Year Implementation Schedule**

2015	2016	2017	2018	2019
<i>Program Emphasis:</i> Engage organizations (such as Master Gardeners, POAs and lawn care/landscaping professionals) to promote stormwater pollution prevention education	<i>Program Emphasis:</i> Engage HHW Collection Centers and automotive shops to promote their vehicle fluid collection	<i>Program Emphasis:</i> Partner with POAs, Health Department and watershed organizations to promote proper septic system function through inspections and regular pumping	<i>Program Emphasis:</i> Coordinate clean up events (potential locations: creek, lake, park, trail or roadway)	<i>Program Emphasis:</i> Partner with the Arkansas Irrigation Association to promote proper irrigation system use/maintenance
<i>Target Audience:</i> Homeowners, lawn care/landscaping professionals	<i>Target Audience:</i> Vehicle owners, automotive maintenance professionals	<i>Target Audience:</i> Homeowners with septic systems or swimming pools	<i>Target Audience:</i> MS4 residents	<i>Target Audience:</i> Homeowners and businesses with irrigation systems
<i>Rationale:</i> Improper management of grass clippings and leaves can clog storm drains and excess fertilizer and pesticide applications can contaminate stormwater with nutrients and chemicals	<i>Rationale:</i> Improper handling/disposal of automotive fluids allow oil, gasoline and other vehicle fluids to be transported in stormwater to local waterways	<i>Rationale:</i> Malfunctioning septic systems, improper handling and disposal of pool chemicals and emptying chlorinated pool water can impact stormwater quality	<i>Rationale:</i> Improper handling and disposal of litter can allow it to enter the storm drain system and impact stormwater quality	<i>Rationale:</i> Efficient irrigation conserves water and prevents it from entering storm drain systems

Minimum Control Measure #3:
Illicit Discharges Detection and Elimination (ID)

Permit Requirements: The permittee shall develop, implement, and enforce a program to detect and eliminate illicit discharges into the small MS4.

Applicable BMPs and Measurable Goals

ID #1

Maintenance of a Storm Sewer Map for Washington County

Washington County completed a map of the storm sewer features in the urbanized, unincorporated areas of the county in 2014. As new development occurs in the MS4 area, the Environmental Affairs and Planning Departments will work together to incorporate newly developed stormwater features into the existing map. The County uses ArcGIS for mapping.

Measureable Goals

- Maps will be reviewed at least annually to ensure they are current.
- Draft a regulation to require submittal of stormwater features for all future Large Scale Development and subdivisions in the County.

Responsible Parties

- Washington County Environmental Affairs
- Washington County Planning Department

5 Year Implementation Schedule

2015	2016	2017	2018	2019
Review annually. Update as necessary.	Review annually. Update as necessary.	Review annually. Update as necessary.	Review annually. Update as necessary.	Review annually. Update as necessary.
Begin drafting regulation to require submittal of stormwater features for LSD and subdivisions.	Continue work on regulation.	Implement and enforce regulation.	Implement and enforce regulation.	Implement and enforce regulation.

ID #2

Maintenance of Washington County’s Court Order addressing IDDE

Washington County adopted the *Stormwater Pollution Prevention, Grading & Erosion Control Court Order* in 2006. It was signed May 31, 2006 and filed June 1, 2006. On December 6, 2010 minor amendments were approved.

- Related Sections
 - IDDE Defined: Article 1. Part C
 - Prohibitions: Article 2. Part A
 - Exemptions: Article 2. Part B
 - Requirements applicable to certain dischargers: Article 2. Part C
 - Enforcement & Enforcement Procedures- Article 4. Part A- J

Measureable Goals

- The Court Order will be reviewed at least annually and updated as necessary.

Responsible Parties

- Washington County Environmental Affairs

5 Year Implementation Schedule

2015	2016	2017	2018	2019
Review annually. Update as necessary.	Review annually. Update as necessary.	Review annually. Update as necessary.	Review annually. Update as necessary.	Review annually. Update as necessary.

ID #3

Detect and Eliminate Illicit Discharges

Washington County Environmental Affairs will conduct dry weather screening of all outfalls in the MS4 area. This program establishes priorities and schedules for screening the entire MS4 at least once during the permit term. Priority will be based on density of development, age of development, sensitivity of the receiving water; and/or other relevant factors.

If illicit discharges are detected, Washington County will work to determine the source of the pollutant. Once the source is identified, the offending discharger will be notified and directed to correct the problem as expeditiously as reasonably possible. Where the elimination of an illicit discharge within ten (10) days is not possible, Washington County shall require the operator of the illicit discharge to take all reasonable measures to minimize the discharge of pollutants to the MS4.

Measureable Goals

- Conduct dry weather screenings of 100% of outfalls in the MS4 area
- Schedule of outfall screening will be documented
- Conditions of outfalls during screening will be documented
- Assessment and determination of non-stormwater discharges will be documented.
- Eliminate any illicit discharges detected

Responsible Parties

- Washington County Environmental Affairs

5 Year Implementation Schedule

2015	2016	2017	2018	2019
Establish priority areas for 20% of outfalls.	Establish priority areas for 20% of outfalls.	Establish priority areas for 20% of outfalls.	Establish priority areas for 20% of outfalls.	Establish priority areas for 20% of outfalls.
Document date of screenings and condition of outfalls.	Document date of screenings and condition of outfalls.	Document date of screenings and condition of outfalls.	Document date of screenings and condition of outfalls.	Document date of screenings and condition of outfalls.
Take corrective action as needed.	Take corrective action as needed.	Take corrective action as needed.	Take corrective action as needed.	Take corrective action as needed.

ID #4

Illicit Discharge Reporting, Response, and Enforcement System

Washington County currently operates an illegal dump, solid waste, stormwater, and junkyard enforcement program. We maintain a website about this program and encourage the public to notify us of potential environmental problems.

The Hazardous Materials Response System of Washington County is responsible for responding to and containing hazardous materials incidents that have a potential to pollute the County’s MS4.

Septic issues are investigated and enforced by the Arkansas Department of Health- Washington County Unit.

Measureable Goals

- Solid Waste, junkyard, and stormwater complaints will be documented
- The Environmental Affairs Enforcement Officer will investigate concerns and work to resolve issues
- Hazardous materials incidents will be addressed by the Hazardous Materials Response System of Washington County

Responsible Parties

- Washington County Environmental Affairs
- Hazardous Materials Response System of Washington County
- Arkansas Department of Health- Washington County Unit

5 Year Implementation Schedule

2015	2016	2017	2018	2019
Monitor process and revise as necessary.	Monitor process and revise as necessary.	Monitor process and revise as necessary.	Monitor process and revise as necessary.	Monitor process and revise as necessary.
Investigate concerns reported by the public.	Investigate concerns reported by the public.	Investigate concerns reported by the public.	Investigate concerns reported by the public.	Investigate concerns reported by the public.
Take corrective action as needed.	Take corrective action as needed.	Take corrective action as needed.	Take corrective action as needed.	Take corrective action as needed.

ID #5

Proper Solid Waste Management in Washington County

Washington County falls in the Boston Mountain Solid Waste District (BMSWD) area of the state. Together the District, Cities and County work together to address solid waste issues throughout Washington County. Washington County has trash service available to all residents of the County. Solid waste haulers are licensed and monitored for compliance with Arkansas solid waste regulations by BMSWD. Washington County operates rural recycling drives and a Household Hazardous Waste (HHW) Drop-off Facility that properly disposes or recycles electronics, household chemicals, lawn and garden products, automotive fluids, batteries, fluorescent bulbs, appliances, scrap metal, and tires. Washington County provides free education programs to the public which focus on proper solid waste dispose, recycling and source reduction, composting, and natural resources conservation.

Measureable Goals

- Washington County Environmental Affairs will conduct education programs in public and private schools in the county.
- Washington County Environmental Affairs will conduct education programs to the public encouraging the use of recycling options, composting, and solid waste facilities in the County
- Increase the number of patrons using the Household Hazardous Waste Drop-off by 5%
- The amount of HHW collected will be documented
- The amount of electronics recycled will be documented
- The amount of scrap metal recycled will be documented
- The amount of recyclables collected will be documented
- Washington County will work cooperatively with the Solid Waste District and Cities to expand solid waste disposal, reuse, and recycling options

Responsible Parties

- Washington County Environmental Affairs
- Boston Mountain Solid Waste District

5 Year Implementation Schedule

2015	2016	2017	2018	2019
Conduct solid waste education programs for all ages.	Conduct solid waste education programs for all ages.	Conduct solid waste education programs for all ages.	Conduct solid waste education programs for all ages.	Conduct solid waste education programs for all ages.
Increase advertising and marketing of Washington County’s HHW facility.	Increase advertising and marketing of Washington County’s HHW facility	Increase advertising and marketing of Washington County’s HHW facility	Increase advertising and marketing of Washington County’s HHW facility	Increase advertising and marketing of Washington County’s HHW facility
Work with solid waste district and cities to expand solid waste options.	Work with solid waste district and cities to expand solid waste options.	Work with solid waste district and cities to expand solid waste options.	Work with solid waste district and cities to expand solid waste options.	Work with solid waste district and cities to expand solid waste options.

Rationale

ArcGIS mapping was chosen because aerial photography is updated annually by the Assessor’s office. The County Planning Department and Assessor’s office update property information regularly. Integrating new development into the maps as it occurs will be the most cost effective means of maintaining our storm sewer system map.

Illegal dump remediation and enforcement eliminates solid waste from our roadways and ditches. Washington County has an established program for enforcing County Ordinances and State laws pertaining to solid waste and stormwater. Our office has procedures for documenting concerns from the public, investigating a site, and alleviating environmental concerns. Washington County and Boston Mountain Solid Waste District each staff Environmental Enforcement Officers commissioned by the State of Arkansas as Illegal Dump Control Officers. The Hazardous Materials Response System of Washington County is trained and equipped to respond to hazardous materials incidents.

Washington County has a trained educator on staff. The educator works closely with school districts in the county as well as civic groups and the general public. There is a wide variety of solid waste management services available to residents and businesses within Washington County, and we promote those services to the public.

Performance Standards

The stormwater illicit discharge detection and elimination program shall include dry weather screening of all stormwater outfalls located in the MS4's urbanized area. Only those outfalls draining undeveloped watershed do not need to be screened for illicit discharges.

Minimum Control Measure #4:
Construction Site Stormwater Runoff Control (CS)

Permit Requirements

Washington County is required, at a minimum, to develop, implement, and enforce a program to reduce pollutants in any stormwater runoff to the small MS4 from construction activities that result in land disturbance of greater than or equal to one (1) acre or less than (1) one acre if that construction activity is part of a larger common plan of development.

Applicable Construction Site BMPs and Measurable Goals

CS # 1

Maintenance of Washington County’s Court Order addressing Construction Site Stormwater Runoff
 Washington County adopted the *Stormwater Pollution Prevention, Grading & Erosion Control Court Order* in 2006. It was signed May 31, 2006 and filed June 1, 2006. On December 6, 2010 minor amendments were approved.

- Related Sections
 - Stormwater Discharges from Construction Activities: Article 3. Part A-F
 - Enforcement & Enforcement Procedures: Article 4. Part A-J

Measureable Goals

- The Court Order will be reviewed at least annually and updated as necessary.

Responsible Parties

- Washington County Environmental Affairs

5 Year Implementation Schedule

2015	2016	2017	2018	2019
Review annually. Update as necessary.	Review annually. Update as necessary.	Review annually. Update as necessary.	Review annually. Update as necessary.	Review annually. Update as necessary.

CS #2

Pre-Construction Site Plan Review by Washington County Planning Department

All large scale development plans, subdivision plans, lot splits, and conditional use permits are submitted to the Washington County Planning Department for review and approval. Review of the project includes the following points which pertain to water quality:

- Location of the project in the urbanized, unincorporated area of the County – Planning Department
 - If project does fall within the County’s MS4 area the Environmental Affairs & Recycling Director is notified. Environmental Affairs & Recycling is responsible for pre-construction review of plan and must follow guidelines as detailed in *Stormwater Pollution Prevention, Grading & Erosion Control Court Order*.
- Floodplain compliance – Planning Department

- Approved sanitation needs, including septic, combined sewer system, and city sewer connections – Washington County Health Department
- Appropriate water drainage plans – County Engineer (Note: drainage plans for lot splits are not required.)

Measureable Goals

- The number of pre-construction site plans reviewed will be documented
- The number of applicable sites in Washington County’s jurisdiction will be documented
- The Environmental Affairs Department will review all large scale developments, subdivision plans, lot splits, and conditional use permits in the urbanized, unincorporated areas of Washington County to ensure compliance with the County’s Court Order

Responsible Parties

- Washington County Environmental Affairs
- Washington County Planning Department
- Arkansas Department of Health – Washington County Unit
- Washington County Engineer

5 Year Implementation Schedule

2015	2016	2017	2018	2019
Monitor process and revise as necessary.	Monitor process and revise as necessary.	Monitor process and revise as necessary.	Monitor process and revise as necessary.	Monitor process and revise as necessary.
Document # of pre-construction site plans reviewed and the # of sites requiring SWPPP’s.	Document # of pre-construction site plans reviewed and the # of sites requiring SWPPP’s.	Document # of pre-construction site plans reviewed and the # of sites requiring SWPPP’s.	Document # of pre-construction site plans reviewed and the # of sites requiring SWPPP’s.	Document # of pre-construction site plans reviewed and the # of sites requiring SWPPP’s.
Review projects in the MS4 area for proper stormwater control measures.	Review projects in the MS4 area for proper stormwater control measures.	Review projects in the MS4 area for proper stormwater control measures.	Review projects in the MS4 area for proper stormwater control measures.	Review projects in the MS4 area for proper stormwater control measures.

CS #3

Inspection of Construction Sites & Enforcement of Court Order

Washington County Environmental Affairs and Recycling will inspect active construction sites with Washington County Stormwater Permits on a monthly basis. These sites will be inspected to ensure they are following their SWPPP as required in the County’s Court Order. On a complaint basis, the County will investigate solid waste and stormwater complaints received.

Measureable Goals

- On a monthly basis, all active construction sites with a permit from Washington County will be inspected to verify BMPs are built as designed.
- The Environmental Affairs Department will investigate concerns from the public and alleviate stormwater violations.
- The Environmental Affairs Department will document the number of stormwater concerns reported by the public or discovered during inspections.

- The Environmental Affairs Department will document the number of concerns requiring enforcement action.

Responsible Parties

- Washington County Environmental Affairs

5 Year Implementation Schedule

2015	2016	2017	2018	2019
Monitor process and revise as necessary.	Monitor process and revise as necessary.	Monitor process and revise as necessary.	Monitor process and revise as necessary.	Monitor process and revise as necessary.
Take corrective action as needed.	Take corrective action as needed.	Take corrective action as needed.	Take corrective action as needed.	Take corrective action as needed.

Rationale

All lot splits, commercial and multifamily projects on tracts greater than one acre, and conditional use permit projects are submitted to the Washington County Planning office. The planning office reviews each project for compliance with sanitary issues, proper drainage, and floodplain compliance. If the project is within the urbanized, unincorporated area of the county they submit it to the Environmental Affairs office for stormwater review.

Washington County has an established program for enforcing County Ordinances and State laws pertaining to solid waste and stormwater. Our office has procedures for documenting concerns from the public, investigating a site, and alleviating environmental concerns.

Performance Standards

The construction site stormwater control program shall include pre-construction site plan reviews of 100 percent of projects from construction activities that result in a land disturbance of greater than or equal to one acre. These applicable sites shall be inspected at least on a monthly basis to ensure compliance.

Minimum Control Measure #5:

Post-Construction Stormwater Management in New Development and Redevelopment (PC)

Permit Requirements

Washington County is required, at a minimum, to develop, implement, and enforce a program to reduce pollutants in post-construction runoff to their MS4 from new development and redevelopment projects that result in land disturbance of greater than or equal to one (1) acre.

Applicable Post-Construction BMP's and Measurable Goals

PC #1

Maintenance of Washington County's Court Order addressing Construction Site Stormwater Runoff
Washington County adopted the *Stormwater Pollution Prevention, Grading & Erosion Control* Court Order in 2006. It was signed May 31, 2006 and filed June 1, 2006. On December 6, 2010 minor amendments were approved.

- Related Sections
 - General Provisions. Article 1. Part A & B
 - Stormwater Discharges from Construction Activities: Article 3. Part A-F

Measureable Goals

- The Court Order will be reviewed at least annually and updated as necessary.

Responsible Parties

- Washington County Environmental Affairs

5 Year Implementation Schedule

2015	2016	2017	2018	2019
Review annually. Update as necessary.	Review annually. Update as necessary.	Review annually. Update as necessary.	Review annually. Update as necessary.	Review annually. Update as necessary.

PC #2

BMP Manual for Washington County

University of Arkansas Professionals wrote the BMP Manual for the Northwest Arkansas MS4s. This was chosen because the BMPs are specific to the conditions and needs that are in the NWA area.

Available online at: <http://www.co.washington.ar.us>

- This manual addresses:
 - Construction Planning & Sequencing
 - Construction Entrance
 - Various Erosion Controls
 - Various Sediment Controls
 - Vegetation & Erosion Control Mats
 - Nutrient Loading Control
 - Organic Loading Control

Measureable Goals

- The BMP Manual will be reviewed and in the process of being updated

Responsible Parties

- NWA Stormwater Compliance Group

5 Year Implementation Schedule

2015	2016	2017	2018	2019
Review and progress towards up to date manual for the region.	Review and progress towards up to date manual for the region.	Review and progress towards up to date manual for the region.	Review and progress towards up to date manual for the region.	Review and progress towards up to date manual for the region.

PC# 3

Construction Site Inspections

All large scale development plans, subdivision plans, lot splits, and conditional use permits are submitted to the Washington County Planning Department for review and approval. Review of the project includes the following points which pertain to water quality: location in the urbanized area, floodplain compliance, proper sanitation needs, and water drainage. Before a construction site stormwater permit can be closed, Washington County will inspect the site to ensure that controls are installed as required.

- Authorized by County court order titled: *Stormwater Pollution Prevention, Grading & Erosion Control*
 - Article 4. Enforcement. Part A-J

Measureable Goals

- 100 percent of sites requiring a SWPPP will be inspected to ensure controls have been installed as required
- The number of applicable sites in Washington County’s jurisdiction requiring post-construction controls will be documented
- The number of long-term operation and maintenance (O&M) plans developed will be documented

Responsible Parties

- Washington County Environmental Affairs

5 Year Implementation Schedule

2015	2016	2017	2018	2019
Review sites to ensure proper installment of BMPs.	Review sites to ensure proper installment of BMPs.	Review sites to ensure proper installment of BMPs.	Review sites to ensure proper installment of BMPs.	Review sites to ensure proper installment of BMPs..
Document # of sites with long-term O&M plans.	Document # of sites with long-term O&M plans.	Document # of sites with long-term O&M plans.	Document # of sites with long-term O&M plans.	Document # of sites with long-term O&M plans.

PC #4

Low Impact Development

Washington County development regulations reflect some LID values, such as allowance of open ditch development. However, Washington County has few development requirements that would act as impediments to low impact development. The Washington County Road, Planning, and Environmental Affairs Departments will jointly review the requirements to determine appropriate updates that could encourage low impact development.

Measureable Goals

- Development requirements will be reviewed and appropriate updates will be made

Responsible Parties

- Washington County Planning Department
- Washington County Environmental Affairs
- Washington County Road Department

5 Year Implementation Schedule

2015	2016	2017	2018	2019
No action planned.	Develop plan to identify and remove impediments to LID.	Review annually and update as necessary.	Review annually and update as necessary.	Review annually and update as necessary.

Rationale

The Northwest Arkansas Stormwater Compliance Group has representatives from a variety of MS4s. This allows for a variety of perspectives from different size MS4s and types of construction projects. Inspectors from these MS4s can provide helpful insight into the effectiveness of particular BMPs as used in Northwest Arkansas.

Washington County has an established program for enforcing County Ordinances and State laws pertaining to solid waste and stormwater. Our office has procedures for documenting concerns from the public, investigating a site, and alleviating environmental concerns.

Performance Standards

The post-construction program shall include pre-construction site plan review of 100 percent of projects from construction activities that result in a land disturbance of greater than or equal to one acre to ensure that required controls are designed per requirements. Applicable sites shall be inspected to ensure that controls are installed per requirements. Long-term operation and maintenance of stormwater controls is the responsibility of the property owner.

Minimum Control Measure #6:

Pollution Prevention/ Good Housekeeping for Municipal Operations (PP)

Permit Requirements

Washington County is required, at a minimum, to develop and implement an operation and maintenance program that includes a training component for employees and has the ultimate goal of preventing or reducing pollutant runoff from municipal operations.

Applicable Pollution Prevention/Good Housekeeping BMPs and Measurable Goals

PP #1

Train MS4 Employees

MS4 employees will be equipped with a knowledge and understanding of how to reduce the potential impact of their municipal operations activities on stormwater quality. Training will focus on control measures used during new construction and land disturbances and fleet and building maintenance.

Measureable Goal

- A minimum of 5 training programs will be conducted for MS4 employees.

Responsible Parties

- University of Arkansas Division of Agriculture Cooperative Extension Service
- Washington County Environmental Affairs

5 Year Implementation Schedule

2015	2016	2017	2018	2019
Conduct annual employee training.	Conduct annual employee training.	Conduct annual employee training.	Conduct annual employee training.	Conduct annual employee training.

PP #2

Maintain a List of Industrial Facilities Owned or Operated by the MS4

Washington County owns and operates one facility in the MS4 area that requires an Industrial Stormwater Permit. This is the Washington County Household Hazardous Waste Drop-off Facility. The permit number is ARR001184, and it is a No-Exposure Exclusion permit.

Measureable Goal

- A list of industrial facilities owned and operated by the MS4 which require an industrial permit will be maintained in the Washington County Environmental Affairs Office
- Employees will be trained on proper handling, storage, and spill prevention of hazardous waste

Responsible Parties

- Washington County Environmental Affairs

5 Year Implementation Schedule

2015	2016	2017	2018	2019
Conduct annual employee training.	Conduct annual employee training.	Conduct annual employee training.	Conduct annual employee training.	Conduct annual employee training.
Review and update as needed the list of industrial facilities owned by Washington County.	Review and update as needed the list of industrial facilities owned by Washington County.	Review and update as needed the list of industrial facilities owned by Washington County.	Review and update as needed the list of industrial facilities owned by Washington County.	Review and update as needed the list of industrial facilities owned by Washington County.

Rationale

The University of Arkansas Cooperative Extension Service has contracted with Washington County to be responsible for the development and implementation of the education efforts, including employee education and training.

Performance Standard

The pollution prevention/good housekeeping program shall include an annual employee training for all eligible employees and an inspection of municipal-owned facilities to ensure industrial stormwater coverage.

Legal Authority and SWMP Resources

Code of Ordinances of Washington County

- Accessible at: <http://www.municode.com/resources/gateway.asp?pid=14303&sid=4>
- Chapter 11 – *Planning & Development*
 - Washington County Planning Department Mission Statement: Rural Areas are an important resource that should be developed with care in order to retain their value and function. It is our mission to facilitate the development of these areas to benefit the County and its citizens.
- Chapter 17 – *Water and Sewer*
 - This chapter establishes requirements and standards for direct and indirect contribution into the wastewater collection and treatment systems for Washington County, for the protection of the public health and welfare.

AR Const. Art. 7, § 28

§ 28. County Courts; jurisdiction

The County Courts shall have exclusive original jurisdiction in all matters relating to county taxes, roads, bridges, ferries, paupers, bastardy, vagrants, the apprenticeship of minors, the disbursement of money for county purposes, and in every other case that may be necessary to the internal improvement and local concerns of the respective counties. The County Court shall be held by one judge, except in cases otherwise herein provided.

Washington County Court Order Stormwater Pollution Prevention, Grading & Erosion Control

The Washington County Environmental Affairs & Recycling website maintains the following:

- Current Court Order
- BMP Manual
- Permit Application
- County Map with urbanized areas
- Amendments to Court Order

Interlocal Cooperation Agreement for Hazardous Materials Incident Response Services in Washington County

Memorandum of Understanding for the MS4 Jurisdictions of Northwest Arkansas and the Northwest Arkansas Regional Planning Commission