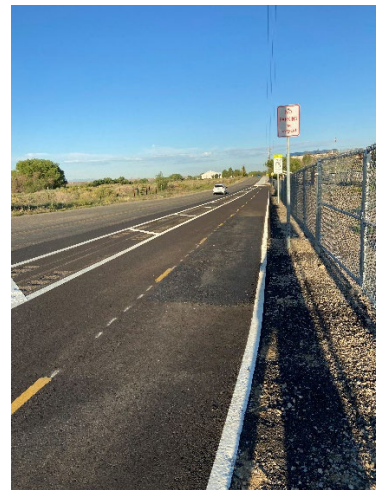


**San Juan County
National Pollutant Discharge Elimination
System (NPDES) Phase II
Municipal Separate Storm Sewer System
(MS4) Annual Report**

Reporting Period: July 1, 2022 to June 30, 2023



San Juan County
Public Works Department
305 South Oliver Drive
Aztec, New Mexico 87410

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Appendix A. Public Education and Outreach Information

NPDES Phase II Small MS4 Annual Report 2022-2023

San Juan County, New Mexico

1.0 General Information

San Juan County has completed this National Pollutant Discharge Elimination System (NPDES) Phase II Municipal Separate Storm Sewer System (MS4) General Permit Annual Report to comply with the U.S. Environmental Protection Agency (USEPA) Phase II rule. This report is submitted as a requirement of [NPDES MS4 Permit NMR040000](#), effective July 1, 2007 and administratively continued since July 1, 2012.

Municipality/Organization: San Juan County

EPA NPDES Permit Number: NMR040000

Reporting Period: July 1, 2022 – June 30, 2023

1.1 Executive Summary

The *Stormwater Management Plan: San Juan County* (COA and SJC, 2008) outlines the San Juan County's (SJC) program to comply with the U.S. Environmental Protection Agency (USEPA) [Phase II Stormwater Final Rule](#) (64 CFR 6872, 8 Dec 1999) to improve stormwater quality in accordance with the Clean Water Act of 1972. This program also serves to develop, implement, and enforce a stormwater management program designed to reduce the discharge of pollutants to the Maximum Extent Practicable (MEP). The USEPA has identified six minimum control measures which must be specifically addressed within this plan. SJC must show measurable goals and improvements in these six control areas, which are listed below and outlined in the report. Implementing these six control measures involves several departments within the San Juan County government. There are numerous outfalls located in the County that discharge into the Animas and San Juan Rivers, which are jurisdictional Waters of the United States. By following these six control measures, SJC benefits from reductions in pollutants being discharged to these Waters. A record of these results and improvements will be the responsibility of each department.

1.2 Stormwater Management Plan: Six Minimum Control Measures

The six minimum control measures which are addressed in this plan are:

1. Public Education and Outreach
2. Public Involvement and Participation
3. Illicit Discharge Detection and Elimination (IDDE)
4. Construction Site Stormwater Runoff Control
5. Post-Construction Stormwater Management in New Development and Redevelopment
6. Pollution Prevention and Good House Keeping for Municipal Operators

1.3 Permit Coverage Area

The Stormwater Management Plan (SWMP) encompasses the urbanized areas within SJC and covers approximately 44 square miles. SJC has a population of approximately 120,993 (U.S. Census Bureau, 2021).

1.4 Reporting Requirements

The MS4 Annual Report includes the status of compliance with the permit conditions, an assessment of the appropriateness of the Best Management Practices (BMPs) selected, and progress towards achieving the measurable goals for each of the six minimum control measures. The report also summarizes activities undertaken by SJC during the reporting cycle, any changes to the plan or its measurable goals, and all relevant data obtained during

the reporting period. Additionally, any changes made to BMPs or the measurable goals will be addressed.

1.5 Certifications

Contact Person: Nick Porell, San Juan County Public Works Director

Telephone #: (505) 334-4520 Email: nporell@sjcounty.net

Mailing Address: 305 South Oliver Drive, Aztec, New Mexico 87410

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.

Signature (San Juan County):

Printed Name: Nick Porell

Title: Director of Public Works

Date:

2.0 Self-Assessment

SJC has a Stormwater Management Plan (SWMP) in place which was developed in 2008 and updated in 2012. The SWMP is used as a guide to improve stormwater quality and implement compliance with the EPA Phase II Final Rule and the Clean Water Act of 1972.

The SWMP emphasizes Public Education and Outreach, and Public Involvement and Participation as control measures in stormwater management. Public education and involvement are effective tools that reach across many socioeconomic boundaries and can influence public behavior indefinitely. The County stresses these control measures to increase awareness and prevention, thereby reducing the number of stormwater pollution incidents which may occur. Throughout the year, SJC sponsored clean-up efforts and recycling programs, which receive high participation rates from the public and interest groups.

SJC, in conjunction with the City of Aztec, has a Stormwater Hotline (505-334-4560) to report spills, illicit discharges, and general comments or complaints from the public regarding stormwater runoff. The Stormwater Hotline has been a useful resource, although the County would like to see more participation and reporting from the public.

SJC requires the approval of submitted construction plans and land use plans that comply with USEPA regulations for all construction projects at least one acre in size.

No NOI's were active during this time with SJC named as the owner/operator.

SJC provides a good example regarding stormwater management with regular inspections and maintenance of their vehicles, street sweeping, and continuation of a sound Pesticide Management Plan, among other measures.

The County also provides a number of resources available for the public, such as access to the [GeoHub](#) interactive mapping website, the Stormwater Hotline at 505-334-4560, listings of solid waste dumping locations, access to at-home recycling drop-off services at the Waste Management facilities in Farmington, and hosting hazardous and electronic waste collection days.

The "[Clean Up San Juan](#)" mobile app was launched in 2018 to report illegal dumping. Between July 1, 2022, and June 30, 2023, SJC had 951 reports through the app and 86 reports through the county sheriff's office. The National Association of Counties awarded SJC a 2020 Achievement Award for Information Technology.

3.0 Summary of Minimum Control Measures

3.1 *Public Education and Outreach*

3.1.1 **Target Audiences**

SJC uses a variety of methods to reach a diverse audience, such as utilizing mass media campaigns and a mix of resources to promote pollution awareness relevant to the SWMP. The industrial outreach program builds upon existing programs such as mailing out educational brochures, social media posts, and recycling to target businesses and industries which significantly impact storm drains and/or conveyances.

3.1.2 **Education Materials and Strategies**

The public education effort informs residents about SJC recycling programs, including proper disposal of used motor oil, chemicals, solvents, and other hazardous household products. Citizen watch groups are encouraged to identify areas regarding stormwater pollution. A Stormwater Hotline has been established to aid the community in reporting illicit discharge and potential spills and a Clean Up San Juan mobile app exists to aid in reporting illegal dumping. Relevant posts are made on social media. SJC has installed digital billboards at 3 of the county buildings and fire department locations throughout the County. The billboards display messages about trash cleanup.

In addition to having a County Floodplain Manager who is available to guide the public through various floodplain questions and issues, SJC maintains the following webpage:

- <https://www.sjcounty.net/government/community-development/floodplain-management>

These strategies involve using various public service announcements, including multilingual posters, brochures, and flyers to help promote awareness in stormwater pollution management.

3.1.3 **Pesticide Management/Community Awareness**

An integrated Pest Management brochure for County residents to find alternatives for traditional pesticides has been offered. The New Mexico State University (NMSU) offers brochures about pest management at the following webpage: <https://pubs.nmsu.edu/a/index.html>. The NMSU extension office provides classes that teach residents xeriscaping, non-chemical pest control, and removal of pests by non-chemical means.

Table 1. Public Education and Outreach

BMP ID #	BMP Description	Responsible Dept./ Person Name	Measurable Goals	Progress on Goal(s) – Permit Year 2022-2023	Planned Activities – Permit Year 2023-2024
1.1	Stencil drain program and mark outfalls	Public Works	Design and post storm drain markers.	Storm drain marker conditions were monitored.	Storm drain markers are replaced as needed each spring as weather improves.
1.2	Employee Guide on Stormwater	Public Works	Train all new County employees on preventing stormwater pollution.	New hires were trained in 2022-2023 permit period for SJC (Employee Training Guide).	Continue training new employees. Update the Guide as needed and improve tracking.
1.3	Stormwater management training of SJC personnel	Public Works	Attend training programs and classes and attend local interest group meetings.	Public Works engineer attends training via webinars and attended local interest group meetings.	Send SJC representative to appropriate conferences, training classes, and group meetings.
1.4	Education through displays at public events such as SJC Fair and Home Builders Assn.	Public Works	Set up booth with educational brochures and pamphlets. Submit social media posts.	SJC Representatives attended the local SJC Fair and Home Builders Association distributing education brochures and pamphlets.	Submit social media posts regarding stormwater education.

BMP ID #	BMP Description	Responsible Dept./ Person Name	Measurable Goals	Progress on Goal(s) – Permit Year 2022-2023	Planned Activities – Permit Year 2023-2024
1.5	Floodplain Management Education	Public Works	Hand out Floodplain Management Brochures to County residents. Education of personnel.	SJC Office of Emergency Mgmt. updated flood education brochure. Brochures made available at county offices and sent annually with utility bills. See Appendix A. SJC Floodplain map available at https://data-sjcounty.opendata.arcgis.com	Continue educating public on flood management and safety.
1.6	Hazardous Products Education	Public Works	Hand out Safer Alternatives to Hazardous Products Brochure at County Fair.	Extras saved and handed out at other educational outreach programs.	Continue educating public on hazard products and disposal methods.
1.7	Stormwater Newspaper Articles, Social Media and/or Web Page Announcements	Public Works	Announcements notifying public of SJC Stormwater Program, Stormwater Hotline, Hazardous Waste Disposal locations and dates, etc.	Flyers distributed by mail and social media. Posts made on SJC Next Door and Facebook pages.	Submit announcements as needed. Update stormwater pages for SJC.
1.8	Pesticide Management Plan	Public Works	Inform/educate residents of pesticide management and offer alternative methods to controlling pests/weeds.	Brochures and pamphlets are made available to the public through the SJC Pesticide Awareness Program. Notice is provided of mosquito spraying times and locations.	Continue educating the public through the Pesticide Awareness Program.

3.2 Public Involvement and Participation

The SJC public participation control measure has a large public component and involves all socio-economic groups. Support by residents is crucial to the success of the SWMP. Broader public support in the development and decision-making process minimizes potential legal challenges and maximizes acceptance and cooperation.

3.2.1 Volunteer Educators/Speakers

Volunteer educators and speakers are encouraged to provide their expertise in the areas of stormwater maintenance and pollution prevention. SJC also have resources available at San Juan College in the fields of water and wildlife conservation, engineering, and hydrology to help support the stormwater infrastructure. The Animas and San Juan Watershed Conference was held June 21-22, 2023.

3.2.2 Public Meetings/Community Outreach

Public meetings present an opportunity to discuss various topics and provide input concerning appropriate stormwater management policies and BMPs. Community clean-up events and activities are County sponsored. A telephone hotline has been set up to aid enforcement authorities in the identification of polluters. The program seeks to contact groups such as the Rotary Clubs, River Walk groups, rafting groups, and Glade Recreation Area users. Responses are made to those who respond to SJC social media posts.

3.2.3 Recycling

Recycling programs have been instituted to recycle cardboard, aluminum cans and large appliances. A recycling program that targets these materials encourages proper disposal and should further reduce pollution of the river and waterways. SJC also offers single stream recycling at the Waste Management site located in Farmington, NM. Allowable recyclable materials, station locations, and hours are presented on the County's webpage (<https://www.sjcounty.net/government/public-works/solid-waste-dump-stations>).

Table 2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./ Person Name	Measurable Goals	Progress on Goal(s) – Permit Year 2022-2023	Planned Activities – Permit Year 2023-2024
2.1	Hazardous Waste Collection	Public Works	Set dates and locations for hazardous waste collection.	SJC conducts Save the Date! event for hazardous waste.	Continue Save the Date! program for SJC residents.
2.2	Stormwater Hotline	Public Works	Establish Stormwater Hotline to report spills and illicit discharges.	Stormwater Hotline at (505) 334-4560 successfully operating.	Keep Stormwater Hotline available to public. Increase advertisement of hotline and encourage reporting.
2.3	Reporting Illegal Dumping	Public Works	Establish hotline to report illegal dumping activities.	Hotline for County or City Municipalities at (505) 334-6622 and Clean Up San Juan app are successfully operating.	Increase public awareness of County Ordinances regarding illegal dumping. Encourage reporting illegal dumping activities.
2.4	Community Clean-Up Days and Free Dump Day	Public Works	Community clean-up days for curbside pickup, freon removal, tree branch/limb recycling, and dump convenience center. Services are free to county residents.	SJC Dumpster Days held Oct. 2022 and April 2023.	Schedule clean-up days for 2023-2024.

<i>BMP ID #</i>	<i>BMP Description</i>	<i>Responsible Dept./ Person Name</i>	<i>Measurable Goals</i>	<i>Progress on Goal(s) – Permit Year 2022-2023</i>	<i>Planned Activities – Permit Year 2023-2024</i>
2.5	National Public Lands Day	Public Works and U.S. Department of the Interior	Clean up illegally dumped trash in the BLM Glade Run Recreation Area.	Clean up held Sept. 2022	Continue to volunteer at National Public Lands Day and encourage additional volunteers.
2.6	Choke Cherry Cleanup	Public Works	Clean up trash in the Choke Cherry area	Clean up held Aug. 2022 and April 2023.	Continue to participate in Choke Cherry cleanup.
2.7	SJC Clean My Property	Community Development & Public Works	Clean properties for individuals not physically able to financially capable.	Cleaned 9 properties	Continue to work with property owners to clean properties.

3.3 Illicit Discharge and Detection Elimination

3.3.1 Visual Inspection/Screening

The illicit discharge detection measure involves County staff as well as local citizens. SJC locates illicit discharge problem areas through visual inspections, public complaints, visual screening, and dry weather screening methods. The program works to detect and eliminate illicit discharges. SJC catalog data pertinent to the NPDES program. The data is available to interested parties. Visual inspection of outfalls is integral in identifying those areas of the County that have frequent occurrences of illicit discharges.

3.3.2 Geographic Information System (GIS) Mapping

GIS is utilized by SJC to map the location of all storm sewer drain lines, ponds, and other waters that receive stormwater discharges. This information is made available through the County network and ArcGIS software. All outfalls which discharge into a recognized water body are accurately mapped using Global Positioning Systems (GPS) survey equipment. Thus, a map of the various aspects of the stormwater system (catch basins, pipes, culverts, and other stormwater structures) can also be depicted. This enables the County to locate sources of illicit discharges and the affected downstream waterways. SJC also hosts a San Juan County Map Portal (<https://webmaps.sjcounty.net/portal/home/>), which presents interactive web maps displaying educational tools such as Clean Up San Juan statistics, land use plans, waterways, floodplains, and SJC road statuses.

As SJC work on plans and as the next small MS4 Permit is finalized, there are tentative plans to include analytical sampling for caffeine and microbial source tracking in select samples to help identify areas where there may be illicit discharge issues and help differentiate them between human and animal sources. Additionally, sampling results may also be incorporated into the GIS database maintained and add upon by the [San Juan Watershed Group](#). During the annual Watershed Group conference a presentation introduced sampling of the Animas, San Juan and La Plata rivers. These presentations and sampling results can be found on the San Juan County Watershed under the Microbial Source Tracking Reports tab.

3.3.3 Correct Illicit Discharges

If illicit discharges are discovered, reported, or suspected, the County addresses each discharge on a case-by-case basis, where an educational method to approaching illicit dischargers is first used to help prevent future non-compliance by that person(s). The County will submit a written letter, call, or personally talk to the individuals, with an emphasis on educating them about their actions' impacts to waterways, wildlife, and property value. In the event of re-occurring or illicit discharges with notable consequences, proper authorities are notified, and legal action is taken in accordance with applicable ordinances.

3.3.4 Documentation

Because SJC is currently working with other collaborative members in the urbanized area in shifting the sampling focus from an outfall-based program to a watershed-based program, no sampling data was collected during the permit period with regards to potential illicit discharges.

Table 3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goals	Progress on Goal(s) – Permit Year 2022-2023	Planned Activities – Permit Year 2023-2024
3.1	Stormwater Hotline	Public Works	Increase participation of Stormwater Hotline.	Stormwater Hotline advertised in local papers, pamphlets, fairs, and educational outreach programs.	Continue advertising hotline. Encourage reporting of illicit dumping and spills.
3.2	Visual inspections and monitoring	Public Works	Locate and report illicit discharges, illegal dumping, and spills.	Clean Up San Juan mobile app reported 951 illegal dumping incidents in 2022-2023. SJC Sheriff's Office had 86 reported incidents.	Continue tracking and educating offenders. Continue promoting the use of the Stormwater Hotline for reporting illegal dumping and discharges. Monitor for illicit discharges during pond cleanup.
3.3	Storm drains, outfalls, and problematic areas monitoring	Public Works	Visual inspection of storm drains and potential problematic areas.	SJC visually inspects and monitors on a quarterly basis.	SJC will inspect and monitor every quarter.
3.4	County ordinance on discharges and illegal dumping	Public Works	Update County Ordinances on prohibition of illicit discharges.	No ordinances currently under consideration.	No ordinances currently under consideration.

3.4 Construction Site Stormwater Runoff Control

3.4.1 Site Plan Review

SJC recognizes that construction sites can deposit a significant amount of sediment in a short period of time. The Phase II Rule, according to 40 CFR 122.34(b)(4) (USGPO 2021) and the NPDES Construction General Permit (CGP) requires the County to develop and enforce a stormwater management program to address stormwater runoff from construction sites one acre or greater in area. In 2010, the County adopted Ordinance 9 – Construction Code Ordinance, which adopts the codes adopted by Construction Industries Division (Title 14 NMAC); however, the County currently does not have a regulatory mechanism to conduct site plan review prior to construction. (the County requires that all buildings and structures require the seal of an architect, engineer, or both and plans will be subject to plan review.)

3.4.2 Non-Structural BMPs

Non-structural BMPs for stormwater runoff from construction sites implemented by SJC include education and awareness to construction personnel, minimizing disturbance to native soil and vegetation, establishing buffers along streams and waterways, minimizing disturbances of high slope areas, and encouraging sheet flow to vegetated areas. Stream buffer guidance will be encouraged by the Public Works Department staff such that riparian stream areas are restored with native vegetation. The zone will be 100 to 150 feet wide on both sides of the bank. The buffer includes the 100-year floodplain delineation and is governed by the Flood Plain Manager for SJC. To reduce severe flood-related erosion losses, no permanent structures shall be placed in the setback area, a distance equal to 60 times the average annual long-term recession rate at a site. SJC will determine whether proposed site alterations and improvements will be reasonably safe from flood-related erosion and will not cause flood-related erosion hazards.

3.4.3 Structural BMPs

Structural BMPs encouraged by SJC include check dams, geotextile silt fences, berms, and sediment basins. Native seeds are often incorporated into berms to help stabilize the structure and reduce runoff. This technology has the benefit of being retrofitted in the developed portions of the County.

Table 4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goals	Progress on Goal(s) – Permit Year 2022-2023	Planned Activities – Permit Year 2023-2024
4.1	Documentation of construction activities one acre or greater in size	Public Works	Record construction activities which result in construction site runoff. Train County staff (inspectors and plan reviewers) and construction operators.	Tracked all construction activity related to stormwater runoff. Documented sites with inadequate BMPs. Educating construction workers and responsible parties on stormwater runoff management. SJC filed for an NOI for the Lee Acres San Juan River Bridge Replacement and Glade Trails Replacement projects.	Continue to document construction site compliance as needed and continue educating construction personnel. Training for new requirements under the current Construction General Permit.
4.2	Stormwater Pollution Prevention Plan	Public Works	Construction sites greater than one acre must submit a SWPPP.	SWPPPs were prepared and followed, and CGP coverage was obtained prior to construction for applicable sites.	Continue enforcing SWPPP compliance. Revise ordinances as needed.
4.3	Education and Implementation of Structural and Non-Structural BMPs	Public Works, Engineering	Educate and encourage construction personnel and contractors to implement BMPs aimed at reducing stormwater runoff and erosion.	Observed BMPs and stormwater management practices for construction sites.	Continue with education and encouragement of BMP installation and practices. Partner with City of Farmington and SJ College for any new training.

3.5 Post-Construction Stormwater Management in New Development and Redevelopment

3.5.1 Post-Construction Runoff Control

SJC addresses post-construction stormwater runoff with structural and non-structural BMPs. The controls seek to reduce the amount of impervious cover by increasing natural land and vegetation, and to utilize pervious areas for more effective stormwater management. The County encourages regional ponds and parks, which provide additional pervious areas and native flora and fauna. The net increase of scenic features will positively impact neighborhood aesthetics and increase residential property values.

Table 5. Post-Construction Stormwater Management
in New Development and Redevelopment

BMP ID #	BMP Description	Responsible Dept./ Person Name	Measurable Goals	Progress on Goal(s) – Permit Year 2022-2023	Planned Activities – Permit Year 2023-2024
5.1	Education and Awareness	Public Works	Visit post-construction sites and ensure compliance of existing ordinances.	Visited recent post-construction sites. Inspected to ensure compliance with ordinances.	Continue to visit post-construction sites on an as-needed basis or when compliance issues arise.
5.2	Education and Implementation of Structural and Non-Structural BMPs	Public Works, Engineering	Educate and encourage implementation of BMPs aimed at reducing stormwater runoff and erosion.	Continued to implement BMPs into plans and designs.	Continue with education and encouragement of BMP installation and practices. Offer more CGP training.
5.3	Post-Construction Training	Public Works, Engineering	Attend trainings and seminars on post-construction stormwater.	Individual continuing education.	Continue attending educational classes and workshops.

3.6 Pollution Prevention and Good Housekeeping in Municipal Operations

3.6.1 Municipal Maintenance

The SJC Pollution Prevention and Good Housekeeping in Municipal Operations Program goals are to reduce pollutant runoff from County operations. A vehicle maintenance program requires that all County owned vehicles be regularly inspected to eliminate the amount of oil, grease, and fluid leaks. Street sweeping is performed on streets at a frequency based on the most traveled streets and busiest intersections. All street cleaning is performed using vacuum-equipped sweepers. Outfalls are regularly inspected and analyzed according to a standardized checklist. Trouble outfalls are inspected and maintained after every storm event.

3.6.2 Pesticide General Permit for San Juan County

San Juan County was covered under the Pesticide General Permit during the reporting period and re-applied for coverage in December 2022. Coverage is valid through January 2028. The County Vector Department has personnel certified in herbicide and pesticide applications. All equipment used for application is cleaned in a wash bay and all products are stored in a controlled access area.

3.6.3 County-Wide Clean-Up Days

County-wide Dumpster Days are held twice a year (April and October). Dumpster Days allows SJC residents to dispose of one free load of refuse at the convenience stations located throughout the County. There was also a Choke Cherry cleanup day in April. The Choke Cherry cleanup allowed the community to participate in a clean-up of the Choke Cherry and Glade Run Recreation Area.

Table 6. Pollution Prevention and Good Housekeeping in Municipal Operations

BMP ID #	BMP Description	Responsible Dept./ Person Name	Measurable Goals	Progress on Goal(s) – Permit Year 2022-2023	Planned Activities – Permit Year 2023-2024
6.1	Municipal Maintenance	Public Works	Inspect and maintain County vehicles. Sweep streets on a regular basis; sweeping more often on the most traveled and busiest streets. Inspect and maintain outfalls.	Government-owned vehicles are regularly inspected and maintained. Approximately 225 miles of paved roads are swept in SJC. Storm drains and outfalls are regularly inspected and maintained.	Continue inspections and maintenance operations. Continue street sweeping on a regular basis, increase frequency as needed.
6.2	Municipal – Pesticide Permit	Public Works	Follow Pesticide Management Plan; complete required reporting.	Submitted required Annual reports.	Submit required Annual Reports.
6.3	Multi-Sector Stormwater Permit (MSGP)	Public Works	Permit sites under MSGP; implement SWPPPs.	Complete inspections on sites under MSGP	Submit required Annual Reports.
6.4	County-Wide Cleanup Days	Public Works	Hold county-wide public cleanup days.	Spring and Fall clean-up “dumpster” days held annually and hosted in October and April. See flyers in Appendix A.	Continue to schedule clean up days on a semi-annual basis.

4.0 Stormwater Inspections

During development of the SWMP, there were initially 12 identified outfall locations within the urbanized areas of San Juan County. San Juan County has conducted periodic inspections of outfalls of concern during this reporting period.

4.1 Stormwater Runoff Observations, Sampling and Laboratory Analyses

During development of the MOA with COF and NMDOT, a review of outfall locations was made, and several possible changes to the inspection and sampling strategy have been discussed, as the emphasis has changed from an outfall emphasis to a watershed-based focus. Preliminarily, improved monitoring locations could include:

1. From Animas River, upstream of UA boundary in Aztec;
2. From Animas River, upstream of its confluence with San Juan River;
3. From San Juan River, upstream of its confluence with Animas;
4. From La Plata River, upstream of the UA boundary in Farmington;
5. From San Juan River, just below (downstream) of confluence with Animas River;
6. From La Plata River, upstream of its confluence with San Juan River;
7. From San Juan River, just below (downstream) of confluence with La Plata River;
8. From San Juan River, just below (downstream) of the UA boundary west of Farmington/Kirtland; and
9. From San Juan River, upstream of UA boundary in Farmington.

Additionally, consideration will also be made of the irrigation systems/canals that are present within the San Juan, Animas and La Plata watersheds and that exist within the Urbanized Area. San Juan County is working with COF and NMDOT to develop a preliminary sampling approach. The Final MS4 Permit may still have some additional modifications, and the sampling plan will be modified accordingly.

5.0 Summary

5.1 Public Education and Outreach

SJC has used several outreach tools and mass media campaigns to educate the public on stormwater management. Examples of such control measures include social media posts, setting up booths at the County Fair and annual Home Builders Association Home and Garden Expo, mailing out educational brochures and fliers, and submitting stormwater related articles to the local newspapers and websites. Storm drain markers, which have been placed throughout the County to inform the public which drains flow directly to nearby

rivers or waterways, are checked and replaced as needed. A Pesticide Management Plan is utilized to educate the public on proper spraying methods as well as alternative methods to controlling weeds and insects.

5.2 Training, Conferences, and Continued Collaboration with other MS4 Entities

SJC personnel have attended and will continue attending training sessions and meetings on stormwater. New employees to the County are educated by their peers and through reading the Employee Guide on Stormwater.

SJC will continue to work with COF, COA, NMDOT, and the NMED Surface Water Quality Bureau (SWQB) in developing a collaborative agreement to meet permit requirements. Additionally, the San Juan Watershed Group and the San Juan Soil and Water Conservation District have also been helpful in offering assistance.

5.3 Public Involvement and Participation

The County sponsors recycling programs several times a year to collect chemicals and hazardous household wastes, a county-wide cleanup twice per year, and set up a dumpster in the Glade Recreational Area two to three times per year. Citizen watch groups and general members of the public are encouraged to report spills or illicit discharges through the Stormwater Hotline and illicit solid waste through the Clean Up San Juan app. The public may respond to social media posts.

SJC were able to collect 26.71 tons of roadside trash and debris, 82.27 tons of trash was removed from public lands, and 3.15 tons of trash from other special projects, which was taken to the landfill. The County sweeps approximately 225 miles of paved roads. Government vehicles and machinery are regularly inspected and maintained to prevent fluid leaks.

5.4 Construction and Post-Construction

Construction sites equal to or greater than one acre in size is required to submit a stormwater pollution prevention plan in accordance to EPA regulations and County ordinances. The County encourages and educates proper installation and maintenance of structural and non-structural BMPs for construction and post-construction sites. LID implementation, xeriscaping, and preservation of natural land and vegetation are also encouraged by SJC. SJC will review and incorporate BMP practices and recommendations from the recently released [New Mexico Department of Transportation \(NMDOT\) National Pollutant Discharge Elimination System Manual](#) (2020).

5.5 Stormwater Inspections and Monitoring

Stormwater outfalls were inspected throughout the year to ensure they were in good operating condition and to help identify impending structural failures, maintenance needs, and water quality issues of the storm drain system. SJC will continue routine inspections and sampling events to ensure BMPs are met, and they are in good operating condition.

6.0 References

- Storm Water Management Plan, Aztec: City of Aztec (COA) and San Juan County (SJC), 2008.
- U.S. Census Bureau, *State and County Quickfacts*. 2021.
<https://www.census.gov/quickfacts/fact/table/US/PST045219>.
- USGPO. *U.S. Government Printing Office (USGPO) Electronic Code of Federal Regulations*.
May 28, 2021. http://www.ecfr.gov/cgi-bin/text-id?tpl=/ecfrbrowse/Title40/40cfr122_main_02.tpl (accessed May 28, 2021).

APPENDIX A -PUBLIC EDUCATION AND OUTREACH INFORMATION

Can Emergency Responders find you?

RURAL ADDRESSING 505-334-4550

1. Update your Rural Addressing information
2. Make sure there is an accurate house number clearly marked on your home

Do You Operate a Business in San Juan County outside City Limits?

BUSINESS REGISTRATION 505-334-4550

1. Register your business on line at www.sjcounty.net
2. Its FREE, easy and your business can be listed on the San Juan County Buy Local Directory Page

Starting a Cannabis related business?

CANNABIS PERMITTING 505-334-4719

1. Apply for San Juan County Cannabis Permit at permitting.sjcounty.net
2. Call for applicant assistance appointment 505-334-4719
3. Cannabis related construction is considered commercial.

Thinking about building?

BUILDING DEPARTMENT 505-334-4313

San Juan County Building Department serves as the permitting agent for Aztec, Bloomfield, Kirtland, and San Juan County unincorporated

1. Construction, electrical, and plumbing/mechanical activities must be permitted
2. Call for information on what documentation your construction will need to obtain a permit
3. Carports, portable buildings, and storage sheds over 120 sq ft, must be permitted

permitting.sjcounty.net

Questions about dividing land?

SUBDIVISION REVIEW 505-334-4550

1. Providing information on the process of dividing property in San Juan County Unincorporated

San Juan County Clean Up Program

CODE COMPLIANCE 505-334-4550

1. San Juan County may provide assistance for eligible applicants to clean up abandoned manufactured homes, junk cars, and trash.
2. This is an income based program and proof of income documentation is required.
3. Once applicant has been approved for the program, project will be reviewed for size.
4. Property owner/applicant will be responsible for paying landfill fees prior to clean up work being scheduled.
5. Fees are based on project size.

Online Permitting and Business Registration

permitting.sjcounty.net

Call 505-334-4719 to set up an appointment for training or assistance



HOW DO I FIND OUT IF MY PROPERTY HAS WETLANDS OR PROTECTED/ENDANGERED SPECIES?
The United States Army Corps of Engineers can provide land owners with information on wetlands and protected or endangered species. 505-342-3483

HOW DO I KNOW IF MY PROPERTY IS IN THE FLOODPLAIN?

To set up a site visit on drainage, wetland, or flooding issues call the San Juan County Floodplain Management Office - (505) 334-4719.

For map information go to:
www.sjcounty.net
OR

Visit the FEMA Map Store:
<https://tinyurl.com/3h9jspas>

TIPS TO AVOID FLOOD DAMAGE

- ↑ The main electric panel board (electric fuses or circuit breakers) should be at least 12" above the projected flood elevation for your home.
- ↑ Elevate all electric outlets, switches, light sockets, baseboard heaters, electric service lines, and wiring at least 12" above the projected flood elevation for your home.
- ↑ Build a floodwall around large appliances or elevate on masonry or pressure-treated lumber.
- ↑ Furnaces and water heaters can be placed on masonry blocks or concrete, moved inside a floodwall, or moved to a higher floor.
- ↑ Outside air conditioning compressors, heat pumps or package units can be placed on a base of masonry, concrete, or pressure treated lumber.
- ↑ Fuel tanks can float or be rolled by the force of water during a flood. Tanks must be securely anchored to cement slabs. Vents and fill line openings should be above projected flood levels.
- ↑ To prevent flood waters from entering the sewer system and forcing sewage into your home, install an interior or exterior backflow valve.
- ↑ Build drainage systems or levees around your property.
- ↑ Seal openings such as low windows.
- ↑ Construct exterior floodwalls around basement floors and window wells.

ELEVATE OR RELOCATE STRUCTURES OUT OF THE FLOODPLAIN

SAN JUAN COUNTY PERMIT REQUIREMENTS FOR NEW CONSTRUCTION, SUBSTANTIAL IMPROVEMENTS, AND MANUFACTURED HOME PLACEMENT IN FLOOD HAZARD AREAS

Structures in an area where the Base Flood Elevation has been established—**Zone AE:**

1. Lowest floor and machinery will be at least one foot above the Base Flood Elevation.
 2. An Elevation Certificate must be submitted and a Floodplain Permit obtained before project begins.
- It is suggested that elevation be confirmed prior to framing.
3. A final Elevation Certificate will be required prior to final inspection of the structure.

Structures in an area where the Base Flood Elevation has not been established—**Zone A:**

1. Lowest floor will be at least three feet above the Highest Adjacent Grade to the structure walls.
 2. An Elevation Certificate must be submitted and a Floodplain Permit obtained before project begins.
 3. A final Elevation Certificate will be required prior to final inspection of the structure.
- It is suggested that elevation be confirmed prior to framing.

WHAT IS AN ELEVATION CERTIFICATE?

FEMA Form 81-31 Elevation Certificate is used to provide elevation information necessary to ensure compliance with floodplain ordinances to determine the proper insurance premium rate, and to support a Letter of Map Amendment or Revision (LOMA-LCMR).

ANYONE CAN GET FLOOD INSURANCE
Even if you don't live in a special flood hazard area or you are renting, you can still get flood insurance.
floodsmart.gov

HISTORY OF FLOODING IN SAN JUAN COUNTY

Floods in San Juan County result from general rainstorms, snowmelt, and rain from cloudburst storms. General rain floods have been the cause of severe damage along the Animas and La Plata Rivers and have usually occurred during the months of September and October. This type of flood results from prolonged heavy rainfall over tributary areas and is characterized by high peak flows of moderate duration.

Major rain floods occurred on the La Plata River in 1804 and 1909. On the Animas and San Juan Rivers, Spring snowmelt flooding occurred in 1884 and rain flooding in 1909. During the latter part of June 1927, melting snow augmented by general rain over the San Juan River basin created the highest flows and most widespread flooding on the La Plata, Animas, and San Juan Rivers since the flood of October 1911, which is counted as the historic basis for the 1% annual chance flood, also known as the 100-year flood.

More recent floods include: 1995 and 2005 on the Animas River due to high Spring run-off; 2009 flash floods on the La Plata Highway (NM 170); 2008 thru 2014, flash flooding occurred in the area of Blanco; and in 2008 and 2011 flash flooding occurred on Sullivan Road in Bloomfield. In 2009, a flash-flood event occurred near the Colorado border on NM 170. A 2015 storm brought flooding to Aztec with high winds and intense rain. Peak Release flows from Navajo Dam, on the San Juan River, in 2016, caused an abandoned manufactured home to slide off the bank and also damaged storage buildings.

Flash-flooding events throughout San Juan County have continued to cause damage to infrastructure and private property. A major flash-flooding event in 2013 deposited several feet of sediment for residents to



San Juan County.....
Building a Stronger

Rain, Snow, Flood Disasters Happen HERE



San Juan County Floodplain Management

209 S Oliver—Aztec, NM 87410
www.sjcounty.net
@SanJuanCounty—Facebook
@SanJuanCountyNM—Twitter

RESOURCES AND CONTACTS

LOCAL FLOOD RESOURCES

San Juan County Floodplain Management	505-334-4550 505-334-4719
City of Aztec Planning and Zoning	505-334-7605
City of Bloomfield Planning and Zoning	505-632-6319
City of Farmington Engineer's Office	505-599-1306

SAN JUAN COUNTY COMMUNITY DEVELOPMENT

CODE COMPLIANCE

For information regarding the San Juan County Cleanup Program or the land use ordinances, please contact the Code Compliance Officer at 505-333-3130 or 505-334-4550.

RURAL ADDRESS/ E9-1-1 UPDATE

All residents should complete an E9-1-1 addressing update. Accurate addressing is vital to the Emergency 9-1-1 system. Verification of a physical address for emergency services is required before building permits can be issued or new electrical service obtained. All new addresses that will access a County Maintained Road or a State or US Highway must have a permit for construction of the driveway within the Right-of-Way before an E9-1-1 address may be issued.

To obtain or verify your E9-1-1 address, contact us at (505)334-4314/334-4713 rural.addressing@sjcounty.net

DIVISION OF LAND, MANUFACTURED HOME/RV PARKS

For information on divisions of land, Manufactured Home Parks, or RV Parks in the unincorporated areas of San Juan County, please contact us at 505-334-4248 or 505-334-4550.

BUILDING PERMITS/ INSPECTIONS

For building permits and information on building codes in the unincorporated areas of San Juan County and the Cities of Aztec and Bloomfield, contact us at 505-334-4313 or on line at permitting.sjcounty.net

OTHER FLOOD RESOURCES

FEMA—National Flood Insurance Program
msc.fema.gov (flood maps)
www.FloodSmart.gov
www.ready.gov

Turn Around Don't Drown—NOAA
<https://www.weather.gov/safety/flood-turn-around-dont-drown>
www.stormready.noaa.gov

Flood Vent Suppliers
USA FOUNDATION FLOOD AIR VENTS
www.usafloodairvents.com
SMART VENT
www.smartvent.com

FACT:
San Juan County Floodplain Management has information available on historic flooding, arroyo inundation studies, Natural Areas, and other unpublished documentation to assist homeowners.

DROUGHT RESOURCES

NMSU EXTENSION
Home Gardening and Landscape
http://aces.nmsu.edu/pubs/_drought/#homegarden

DITCH SAFETY

Ditch the Ditches
<https://ditchtheditches.com/>

FACT:
HOMEOWNERS INSURANCE DOES NOT COVER OUTSIDE FLOODING



SAVE THE DATE



OCTOBER 15, 2022




SAN JUAN COUNTY NEW MEXICO SINCE 1887

Dumpster Day!

OCTOBER 15, 2022

October 15, during normal business hours
County Transfer Stations will accept normal
loads from county residents for **FREE!**

GO TO SJCOUNTY.NET FOR MORE INFO!

Household Hazardous Waste Collection Event!

Safely dispose of household hazardous waste - for free!

Save the Date!

Saturday, October 15
9:00 am- 1:00 pm



San Juan County
Administration Building
100 S. Oliver
Aztec, NM

**Bloomfield | Kirtland
San Juan County**

Please bring proof of residency

NO WASTE FROM AZTEC OR FARMINGTON ACCEPTED
FARMINGTON RESIDENTS visit <http://bit.ly/COFsanitation>
for curbside hazardous waste pickup options

Bring

- Used Batteries
- Light bulbs
- Auto Fluids
- Gas
- Brake Fluid
- Antifreeze
- Household cleaners
- Gardening Chemicals
- Insecticides
- Weed killers
- Fertilizers
- Aerosols
- Paints

DO NOT Bring

- Biomedical or Medical waste
- Explosives
- Compressed gasses
- 55-gallon drums
- Yard waste
- Ammunition
- Appliances
- Tires
- Electronic Waste
- Business or Industrial Waste

SJCounty.net | Facebook.com/OEMSJC | (505) 334-7700

Household Hazardous Waste Collection Event!

Safely dispose of household hazardous waste - for free!

Save the Date!

Saturday, March 25
9:00 am- 1:00 pm



San Juan County
Administration Building
100 S. Oliver
Aztec, NM

**Bloomfield | Kirtland
San Juan County**

Please bring proof of residency

NO WASTE FROM AZTEC OR FARMINGTON ACCEPTED
FARMINGTON RESIDENTS visit <http://bit.ly/COFsanitation>
for curbside hazardous waste pickup options

Bring

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- Household cleaners
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- Tires
- Electronic Waste
- Business or Industrial Waste



San Juan County
NEW MEXICO
SINCE 1817

Dumpster Day!

April 15, 2023



Most County Transfer Stations will accept normal loads from county residents during regular hours for **FREE!**

GO TO SJCOUNTY.NET FOR LOCATIONS AND HOURS!



**CHOKECHERRY CANYON
SPRING CLEANUP**

LUNCH BY:




Chokecherry Canyon/Glade Rec Area
Saturday April 22nd • 8-4
Lunch/Water/Raffle Prizes for Volunteers
2.7 Miles North From Pinon Hills Blvd on Glade Rd
Call Allen Elmore for More Info (505) 686-3831

**EVERY LOAD OF TRASH
WILL EARN 1-3 TICKETS!
DRAWING AT 4PM!**

Prizes From:
AE Properties, Winters Farm,
Cold Stone Creamery, Lane Electric,
The Poop Group, Zenity Insurance,
Second To None Cleaning Services,
Ultimate Performance UTV,
Hi Country Chevy, Noel's,
Misty Maid Cleaning Services,
The Allen Agency, Taco Bell,
Rick's Professional K9 Training,
Boon's Thai, Country Roads Farms,
Aztec Motocross, The Raven's Nest,
Serrano's, and Parts Authority!