



City of Santa Fe, New Mexico

Memorandum



DATE: September 26, 2024

TO: John Blair, City Manager JB

VIA: Regina A. Wheeler, Public Works Department Director RW
Melissa A. McDonald, Parks & Open Space Division Director MM

FROM: Zoë Isaacson, River & Watershed Manager ZRI
James Gallegos, River and Water Stormwater Inspector JG

ACTION:

Request for City Manager Approval on the MS4 Annual Report

BACKGROUND:

The Clean Water Act was established in 1972 to restore and maintain the quality of the nation's waterways and because stormwater runoff is a leading cause of pollution, the Environmental Protection Agency (EPA) created the Municipal Separate Storm Sewer System (MS4) Permit Program to address the need for improved stormwater quality. The MS4 Program, through federal mandate, requires permittees to implement a stormwater management program to control polluted stormwater discharges and thus enhance the quality of our surface water.

The Santa Fe urbanized area is covered under Phase II of the MS4 Permit Program and the permittees include the City of Santa Fe, Santa Fe County, and NM Department of Transportation District 5. Under the MS4 Permit NMR040000, each permittee must develop and implement a comprehensive Stormwater Management Plan (SWMP) consisting of six minimum control measures (MCMs) that must be implemented:

- Public Education/Outreach
- Public Participation/Involvement
- Illicit Discharge Detection and Elimination
- Construction Site Runoff Control
- Post-Construction Runoff Control
- Pollution Prevention/Good Housekeeping

The purpose of the attached annual report is to document the status of the City's SWMP. The report was compiled by the River and Watershed Section of Public Works and represents a compilation of materials submitted by appropriate departments and/or divisions, including Public Works, Public Utilities, and Community Development.

All materials that support this report are available and posted on the Public Works website:

- <https://santafenm.gov/public-works/parks-and-open-space/river-and-watershed> (2023-2024 MS4 Annual Report)

The draft annual report has been posted for public comment on the City's website as per the Permit requirements. Additional information such as Notice of Violation forms, correspondence and program information are available upon request.

SUMMARY: The River & Watershed Section has been successful in working with other departments and divisions to implement the stormwater program in compliance with the NMR040000 Permit, data and metrics for citywide stormwater management and compliance can be found in the attached document: 2023-2024 MS4 Annual Report Summary.

Some highlights of the River & Watershed Section's activities include recent participation in the 2nd annual Love Your Watershed Festival, a vibrant, inclusive gathering aimed at educating the community about various aspects of watershed health. This citywide event featured informational tables from several City and County departments and local river advocates. Well over 200 attendees, including children and families, learned about the importance of watershed health and improved water quality.

In addition, the River & Watershed Section, in collaboration with the Santa Fe Watershed Association, sponsored a workshop series promoting river and watershed stewardship. Topics covered included rain garden maintenance, structural pruning, invasive species management, and biohazard handling. Due to the series' success, we are excited to continue these workshops in the coming year.

Strengthening relationships with the community is a key priority for the Parks and Open Space Division. Through partnerships with the University of New Mexico and local businesses, we supported an innovative research project exploring the use of fungi as a non-toxic method for removing Siberian Elm trees. Over 180 Siberian Elms throughout our river and parks were inoculated, and we will track their condition over the coming years to assess the effectiveness of this management approach.

Additionally, the City of Santa Fe, in coordination with other departments, non-profits and contracted volunteers, achieved significant milestones, including the collection of over 320 tons of trash from our rivers and arroyos. We also conducted more than 370 stormwater inspections at construction sites, cleared over 3 miles of arroyos, performed over 2,550 preventative maintenance inspections within our fleet, and removed 650 tons of sediment from our stormwater infrastructure through routine sweeping of over 1,500 lane miles.

Cc:

Heather Lamboy, Land Use Department Director
John Dupuis, Public Utilities Department Director
Regina A. Wheeler, Public Works Department Director,
Melissa A. McDonald, Parks & Open Space Division Director

ATTACHMENTS:

- EPA sMS4 Annual Report form for NMR040000
- Annual Summary Report

Annual Report Format



National Pollutant Discharge Elimination System Stormwater Program MS4 Annual Report Format



Check box if you are submitting an individual Annual Report with one or more cooperative program elements. ☐

Check box if you are submitting an individual Annual Report with individual program elements only. ☒

Check box if this is a new name, address, etc. ☐

1. MS4(s) Information

City of Santa Fe NMR040000

Name of MS4

Zoë Isaacson River and Watershed Manager

Name of Contact Person (First)

(Last)

(Title)

505-955-6853

zrisaacson@santafenm.gov

Telephone (including area code)

E-mail

P.O. Box 909/ 200 Lincoln Avenue

Mailing Address

Santa Fe

NM

87501

City

State

ZIP code

What size population does your MS4(s) serve? 93,165

NPDES number 40,000

What is the reporting period for this report? (mm/dd/yyyy) From July 1, 2023 to June 30, 2024

2. Water Quality Priorities

A. Does your MS4(s) discharge to waters listed as impaired on a state 303(d) list? ☒ Yes ☐ No

B. If yes, identify each impaired water, the impairment, whether a TMDL has been approved by EPA for each, and whether the TMDL assigns a wasteload allocation to your MS4(s). Use a new line for each impairment, and attach additional pages as necessary.

Impaired Water	Impairment	Approved TMDL	TMDL assigns WLA to MS4
Santa Fe River	E.coli	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Santa Fe River	Total Nitrogen, Total Phosphorus	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Santa Fe River	Polychlorinated Biphenyls (PCBs)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

2. B. Continued

Impaired Water	Impairment	Approved TMDL		TMDL assigns WLA to MS4	
<input type="text"/>	<input type="text"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
<input type="text"/>	<input type="text"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
<input type="text"/>	<input type="text"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
<input type="text"/>	<input type="text"/>	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No

C. What specific sources contributing to the impairment(s) are you targeting in your stormwater program?

Pet waste, household hazardous waste, trash and debris (including natural vegetation), sediments, wastewater overflows (E.Coli, Chlorine, Ammonia) and food handling facilities discharges.

D. Do you discharge to any high-quality waters (e.g., Tier 2, Tier 3, outstanding natural resource waters, or other state or federal designation)? ☐ Yes ☒ No

E. Are you implementing additional specific provisions to ensure their continued integrity? ☐ Yes ☒ No

3. Public Education and Public Participation

A. Is your public education program targeting specific pollutants and sources of those pollutants? ☒ Yes ☐ No

B. If yes, what are the specific sources and/or pollutants addressed by your public education program?

Pet waste, household hazardous and green waste, trash and debris, sediment, auto industry, food handling facilities, construction site runoff and waste generated by homeless encampments

C. Note specific successful outcome(s) (e.g., quantified reduction in fertilizer use; NOT tasks, events, publications) fully or partially attributable to your public education program during this reporting period.

290 tons of trash removed from waterways and designated open space, 1500 lane miles were swept, 2,486 drop inlets were cleaned and 650 tons of sediment was removed from stormwater infrastructure

D. Do you have an advisory committee or other body comprised of the public and other stakeholders that provides regular input on your stormwater program? ☒ Yes ☐ No

4. Construction

A. Do you have an ordinance or other regulatory mechanism stipulating:

Erosion and sediment control requirements? ☒ Yes ☐ No

Other construction waste control requirements? ☒ Yes ☐ No

Requirement to submit construction plans for review? ☒ Yes ☐ No

MS4 enforcement authority? ☒ Yes ☐ No

B. Do you have written procedures for:

Reviewing construction plans? ☒ Yes ☐ No

Performing inspections? ☒ Yes ☐ No

Responding to violations? ☒ Yes ☐ No

C. Identify the number of active construction sites ≥ 1 acre in operation in your jurisdiction at any time during the reporting period.

D. How many of the sites identified in 4.C did you inspect during this reporting period?

E. Describe, on average, the frequency with which your program conducts construction site inspections.

Construction site inspections are performed after rain events $>.25$ " ; discharge violations that are reported and/or observed.

F. Do you prioritize certain construction sites for more frequent inspections? ☒ Yes ☐ No

If Yes, based on what criteria?

Sites that are near waterways such as arroyos or the river, and or have a history of non-compliance ☒

G. Identify which of the following types of enforcement actions you used during the reporting period for construction activities, indicate the number of actions, or note those for which you do not have authority:

☒ Yes Notice of violation No Authority ☐

☐ Yes Administrative fines No Authority ☒

☒ Yes Stop Work Orders No Authority ☐

☐ Yes Civil penalties No Authority ☒

☐ Yes Criminal actions No Authority ☒

☐ Yes Administrative orders No Authority ☒

☐ Yes Other

H. Do you use an electronic tool (e.g., GIS, data base, spreadsheet) to track the locations, inspection results, and enforcement actions of active construction sites in your jurisdiction? ☒ Yes ☐ No

I. What are the 3 most common types of violations documented during this reporting period?

Illegal dumping, illicit discharges, and lack of appropriate control measures/(BMPs).

J. How often do municipal employees receive training on the construction program?

5. Illicit Discharge Elimination

A. Have you completed a map of all outfalls and receiving waters of your storm sewer system? ☐ Yes ☒ No

B. Have you completed a map of all storm drain pipes and other conveyances in the storm sewer system? ☐ Yes ☒ No

C. Identify the number of outfalls in your storm sewer system.

D. Do you have documented procedures, including frequency, for screening outfalls? ☒ Yes ☐ No

E. Of the outfalls identified in 5.C, how many were screened for dry weather discharges during this reporting period?

F. Of the outfalls identified in 5.C, how many have been screened for dry weather discharges at any time since you obtained MS4 permit coverage?

G. What is your frequency for screening outfalls for illicit discharges? Describe any variation based on size/type.

All outfalls that discharge into the Santa Fe River are monitored for illicit discharges at least once every other month. All other outfalls are inspected on a complaint/ as needed basis.

H. Do you have an ordinance or other regulatory mechanism that effectively prohibits illicit discharges? ☒ Yes ☐ No

I. Do you have an ordinance or other regulatory mechanism that provides authority for you to take enforcement action and/or recover costs for addressing illicit discharges? ☒ Yes ☐ No

- J. During this reporting period, how many illicit discharges/illegal connections have you discovered?
- K. Of those illicit discharges/illegal connections that have been discovered or reported, how many have been eliminated?
- L. How often do municipal employees receive training on the illicit discharge program?

6. Stormwater Management for Municipal Operations

- A. Have stormwater pollution prevention plans (or an equivalent plan) been developed for:

All public parks, ball fields, other recreational facilities and other open spaces	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
All municipal construction activities, including those disturbing less than 1 acre	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
All municipal turf grass/landscape management activities	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
All municipal vehicle fueling, operation and maintenance activities	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
All municipal maintenance yards	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
All municipal waste handling and disposal areas	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

Other

- B. Are stormwater inspections conducted at these facilities? ☒ Yes ☐ No

- C. If Yes, at what frequency are inspections conducted?

- D. List activities for which operating procedures or management practices specific to stormwater management have been developed (e.g., road repairs, catch basin cleaning).

- E. Do you prioritize certain municipal activities and/or facilities for more frequent inspection? ☒ Yes ☐ No

- F. If Yes, which activities and/or facilities receive most frequent inspections?

- G. Do all municipal employees and contractors overseeing planning and implementation of stormwater-related activities receive comprehensive training on stormwater management? ☒ Yes ☐ No

- H. If yes, do you also provide regular updates and refreshers? ☒ Yes ☐ No

- I. If so, how frequently and/or under what circumstances?

7. Long-term (Post-Construction) Stormwater Measures

- A. Do you have an ordinance or other regulatory mechanism to require:

Site plan reviews for stormwater/water quality of all new and re-development projects?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Long-term operation and maintenance of stormwater management controls?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Retrofitting to incorporate long-term stormwater management controls?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

- B. If you have retrofit requirements, what are the circumstances/criteria?

- C. What are your criteria for determining which new/re-development stormwater plans you will review (e.g., all projects, projects disturbing greater than one acre, etc.)?

D. Do you require water quality or quantity design standards or performance standards, either directly or by reference to a state or other standard, be met for new development and re-development? ☒ Yes ☐ No

E. Do these performance or design standards require that pre-development hydrology be met for:

Flow volumes ☒ Yes ☐ No

Peak discharge rates ☒ Yes ☐ No

Discharge frequency ☐ Yes ☒ No

Flow duration ☐ Yes ☒ No

F. Please provide the URL/reference where all post-construction stormwater management standards can be found.

<https://santafenm.gov/public-works/parks-and-open-space/river-and-watershed>

G. How many development and redevelopment project plans were reviewed during the reporting period to assess impacts to water quality and receiving stream protection?

H. How many of the plans identified in 7.G were approved?

I. How many privately owned permanent stormwater management practices/facilities were inspected during the reporting period?

J. How many of the practices/facilities identified in I were found to have inadequate maintenance?

K. How long do you give operators to remedy any operation and maintenance deficiencies identified during inspections?

L. Do you have authority to take enforcement action for failure to properly operate and maintain stormwater practices/facilities? ☒ Yes ☐ No

M. How many formal enforcement actions (i.e., more than a verbal or written warning) were taken for failure to adequately operate and/or maintain stormwater management practices?

N. Do you use an electronic tool (e.g., GIS, database, spreadsheet) to track post-construction BMPs, inspections and maintenance? ☒ Yes ☐ No

O. Do all municipal departments and/or staff (as relevant) have access to this tracking system? ☐ Yes ☒ No

P. How often do municipal employees receive training on the post-construction program?

8. Program Resources

A. What was the annual expenditure to implement MS4 permit requirements this reporting period?

B. What is next year's budget for implementing the requirements of your MS4 NPDES permit?

C. This year what is/are your source(s) of funding for the stormwater program, and annual revenue (amount or percentage) derived from each?

Source: Amount \$ OR %

Source: Amount \$ OR %

Source: Amount \$ OR %

D. How many FTEs does your municipality devote to the stormwater program (specifically for implementing the stormwater program; not municipal employees with other primary responsibilities)?

E. Do you share program implementation responsibilities with any other entities? ☐ Yes ☐ No

Entity	Activity/Task/Responsibility	Your Oversight/Accountability Mechanism
NM DOT	BMP Implementation Water Quality M+	Oversight by each entity
Santa Fe County	BMP Implementation Water Quality M+	Oversight by each entity

9. Evaluating/Measuring Progress

A. What indicators do you use to evaluate the overall effectiveness of your stormwater management program, how long have you been tracking them, and at what frequency? These are not measurable goals for individual management practices or tasks, but large-scale or long-term metrics for the overall program, such as macroinvertebrate community indices, measures of effective impervious cover in the watershed, indicators of in-stream hydrologic stability, etc.

Indicator	Began Tracking (year)	Frequency	Number of Locations
<i>Example: E. coli</i>	2003	Weekly April–September	20
NMED Physical/Chemical and Biological	2010–2020	Triennial	28
E.coli Souce Study	2017	Not yet determined	Various locatio+
ESRI tracking of customer requests	2020	Not yet detemined	City of Santa Fe

B. What environmental quality trends have you documented over the duration of your stormwater program? Reports or summaries can be attached electronically, or provide the URL to where they may be found on the Web.

Impairments (E. Coli, PCBs, and total recoverable Aluminum) have remained constant in the upper reach of the SF River. Customers continue to submit requests about areas of the City that require attention.

10. Additional Information

Please attach any additional information on the performance of your MS4 program, including information required in Parts I.C, I.D, and III.B. If providing clarification to any of the questions above, please provide the question number (e.g., 2C) in your response.

Certification Statement and Signature

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.

☒ Yes ☐ No

Federal regulations require this application to be signed as follows: **For a municipal, State, Federal, or other public facility:** by either a principal executive or ranking elected official.

Signature

John Blair
John Blair (Oct 1, 2024 15:00 MDT)

John Blair

City Manager

Oct 1, 2024

Name of Certifying Official, Title

Date (mm/dd/yyyy)

City of Santa Fe, New Mexico

National Pollutant Discharge Elimination System



Draft

sMS4 Annual Report Summary

Fiscal Year 2023-2024

TABLE OF CONTENTS

Table of Contents	2
Executive Summary	3
MS4 Permittee Information	4
Minimum Control Measure 1 (Public Education & Outreach)	5
Public Education & Outreach (Goal/Task & Status)	6-8
Minimum Control Measure 2 (Public Participation & Involvement)	9-10
Public Participation & Involvement (Goal/Task & Status)	11-13
Minimum Control Measure 3 (Illicit Discharge Detection & Elimination)	14
Illicit Discharge Detection & Elimination (Goal/Task & Status)	15-16
Minimum Control Measure 4 (Construction Site Runoff Control)	17
Construction Site Runoff Control (Goal/Task & Status)	18-19
Minimum Control Measure 5 (Post-Construction Runoff Control)	20
Post-Construction Runoff Control (Goal/Task & Status)	21-22
Minimum Control Measure 6 (Pollution Prevention/Good Housekeeping)	23
Pollution Prevention/Good Housekeeping (Goal/Task & Status)	24-25



CITY OF SANTA FE
RIVER & WATERSHED



Executive Summary

The City of Santa Fe's Stormwater Management Strategic Plan (SMSP) outlines the City's compliance program to meet the Environmental Protection Agency's ("EPA") Phase II mandate to improve stormwater quality per the Clean Water Act of 1972. This program serves to develop, implement, and enforce a stormwater management plan that reduces the discharge of pollutants to the maximum extent possible.

Central to the City's approach is the belief that community education and staff training on stormwater issues are crucial for achieving compliance with the National Pollutant Discharge Elimination System (NPDES) small Municipal Separate Storm Sewer Systems (sMS4) Phase II regulations. Additionally, the city promotes the use of Low Impact Development (LID) and Green Stormwater Infrastructure (GSI) to enhance stormwater infiltration where feasible.

To ensure compliance, the EPA mandates that the City's plan address six minimum control measures (MCMs), and demonstrate measurable improvements in these areas:

1. Public Education and Outreach
2. Public Participation and Involvement
3. Illicit Discharge Detection and Elimination
4. Construction Site Runoff Control
5. Post-Construction Runoff control
6. Pollution Prevention/Good Housekeeping

Best management practices (BMPs) used to achieve the goals listed above are detailed in the summary report below. Current BMPs are based on anticipated funding levels derived from a Stormwater Utility Service Charge. If additional funds should become available through federal or state grants, loans approved by the Governing Body, or in-kind services, minimum control measures could be increased. Any additional efforts made by any department with the goal of improving quality of stormwater will be documented and reported to the designated Stormwater Manager.

Conclusion

The City's Stormwater Management Strategic Plan effectively works towards reducing pollutants in accordance with the EPA's sMS4 requirements. The City's policies are consistent with the best practices available for sediment control, water quality improvements, and training, demonstrating that Santa Fe continues to meet, and occasionally exceed, its goals for pollutant reduction. The City remains committed to reducing pollutants to the greatest extent practicable, given current resources.



CITY OF SANTA FE
RIVER & WATERSHED



PERMITTEE INFORMATION

Permit Number: NM (NM0040000)

Permittee: **City of Santa Fe**
Mailing Address: **P.O. Box 909**
City, State and Zip Code: **Santa Fe, NM 87504-0909**
Phone Number: **(505) 955-2134**

Have any areas been added to the SMS4 due to annexation or other legal means? No

B. REPORTING PERIOD July 1, 2023, to June 30, 2024

C. PROGRAM AREAS (AS ATTACHED)

D. CERTIFICATION

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.

John Blair
John Blair (Oct 1, 2024 15:00 MDT)

Oct 1, 2024

John Blair
City Manager
City of Santa Fe, NM

Date

Minimum Control Measure 1 –Public Education and Outreach

Assessment of Appropriateness of Identified Best Management Practices

The BMPs for Public Education and Outreach identified in the City's Stormwater Management Plan (SWMP) are still considered appropriate. The city has continued to address and implement many BMPs such as: distribution of educational materials, staff participation in community events, and posting of digital media such as updates to the City's Sustainability Dashboard and Stormwater Story Map.

Progress Towards Reducing Pollutants to the Maximum Extent Practicable

At this point, only a qualitative conclusion can be drawn. The city has reached specific groups of potential polluters (mechanics, restaurant owners, carwashes, unhoused, etc.) and City staff with a comprehensive stormwater message. Educational strategies include the free distribution of educational brochures, public and private informational events, a Sustainability Dashboard that is frequently updated, an interactive Stormwater StoryMap available to the public, and MS4 trainings for City staff. We have also redesigned one flier with work continuing on others, continue to host an annual series of River Talks engaging the public in dialogue about the Santa Fe River, and promote public awareness through digital and radio appearances and 'weekly wraps' that go to subscribers to the City's weekly updates. Based on the efficacy of these programs, the quality of stormwater runoff has likely improved. The Stormwater Program continues to raise awareness of the importance of clean runoff to City employees and managers, business owners and the public.

Status of Achieving Measurable Goals

Please refer to the following page, "Goal / Task" and "Status"

Results of Information (Data) Collected and Analyzed If Any

There has been a decrease in the number of public appearances with Homeowners Associations [HOAs], neighborhood groups however we feel this is because the city has developed a new city-wide reporting tool that allows us to speak to constituents directly. The city has also increased its Early Neighborhood Notification requirements, requiring project managers to hold meetings for any projects exceeding \$100,000. This new requirement coupled with the City's reporting tool allows City staff to reach a broader group of constituents. In addition, efforts to engage the public increased in other areas including River Talks, participation in conferences, radio programming and tabling at events, and support of educational programs in schools.

Stormwater Activities Planned for Next Reporting Period

- Increase outreach targeting restaurants, automotive repair shops and commercial businesses.
- Improve outreach activities oriented at the public such as River Talks.
- Continued efforts to update and advance mapping capabilities within the River and Watershed Section through use of 2ndNature Software programming and ArcGIS Survey 123.
- The Stormwater Program has piloted an interactive website to identify problem areas within the city that have excessive erosion and uncontrolled runoff. www.stormwatersantafe.com that we wish to deploy by the next reporting period.
- Continue to develop up-to-date bilingual stormwater digital resources.
- The River and Watershed Section plans has developed a new brochure that targets low effort stormwater management strategies for residents in both English and Spanish.
- Continued updates many public educational brochures.



CITY OF SANTA FE
RIVER & WATERSHED



- The MS4 Collaborative will continue to develop messaging for the watershed-wide permit and begin developing branding and outreach materials.
- Continued efforts to leverage funding through grants and low-interest loans.
- Continued participation in the Land Development Code rewrite to codify more stringent Stormwater Management Codes to improve stormwater quality and limit erosion.

Proposed Changes to the Stormwater Management Program

The comprehensive long-range SWMP is completed, and the Stormwater Management team continues to amend and update the plan as necessary in coordination with our City partners. The plan will continue to satisfy the federal requirements that coincide with any updates to the EPA sMS4 permit, including recent participation in meetings and providing comment for the EPA's draft MS4 permit released in the spring of 2024. The team will continue to engage with the community and plans to increase the number of public trainings and opportunities for engagement.

MINIMUM CONTROL MEASURE 1: PUBLIC EDUCATION AND OUTREACH	
GOAL / TASK	STATUS
Annual and long-term Stormwater Program funding through the stormwater utility service charge and in-kind services.	Funding was solicited this reporting period through the City's budget process. The Stormwater Program continues funding through a dedicated monthly stormwater utility service charge assessed to homeowners and businesses. In addition, the Stormwater division has been awarded FEMA BRIC and HMGP grants for the Cerrillos Road Stormwater Improvements and the Marc Brandt Park Bioswale and the US Forest Service Forestry Grant for Frenchy's Field Improvements including the Arroyo de Las Crucitas and development of an outdoor classroom, totaling close to \$2 Million.
Educational Stormwater brochure and survey will be sent/conducted annually to the public beginning in the next reporting period.	A public survey was developed and released in (2021), and a new survey is in development to gauge public knowledge surrounding the City's Stormwater Program and the Living River Flows, but has yet to be deployed However, a public survey was given to assess the successfulness of the River Talks Series. This survey proved successful. A new educational brochure focused on stormwater management on the residential scale is being disseminated in both English and Spanish.
Establish a calendar for MS4 Cooperative Meetings	The MS4 Cooperative is composed of representatives from the City of Santa Fe, Santa Fe County, and NMDOT. Cooperative meetings occur quarterly. A multitude of cooperative meetings took place discussing the new parameters of the Strawman Proposed MS4 Permit.
Create and post multimedia education materials and PSAs.	A Stormwater StoryMap and Sustainability Dashboard were updated and continue to be available digitally. Digital PSAs continue to be developed and released through the City of Santa Fe and River Commission.
Identify water quality issues that can be eliminated through education	Contracted with engineering consultants for first ever large-scale education and outreach campaign for stormwater management on residential properties to reduce sediment loads in the Santa Fe River; this work is on-going however a website has been established and a bilingual brochure has been developed.
100% of reported illegal dumping areas documented. Signage posted at locations; areas monitored, and signage maintained.	100% of reported illegal dumping areas have been documented. The City's River & Watershed Section continue to monitor, maintain & post new signage in areas of concern reported by City staff and the public. Over 100 signs continue to be maintained.



CITY OF SANTA FE
RIVER & WATERSHED



<p>Continued participation in community events to provide the public with City Stormwater Program information.</p>	<p>River Talks Series: The City and River Commission co-sponsor the River Talk public lecture series. The talks cover many issues related to the Santa Fe River Watershed and are free to the public. This year 7 talks were given by experts.</p> <p>The City of Santa Fe Parks and Open Space Division including staff from River and Watershed Section, the Mayor and several City Councilors participated in the second annual Love Your Watershed Festival. Over 200 participants joined over twenty booths to learn about our watershed, water quality, and local riparian flora and fauna.</p> <p>The City's River and Watershed Section sponsored several workshops focused on arroyo health, invasive species removal, and rain garden maintenance. These workshops were capped at 25 people and were at capacity.</p>
<p>Document the number of educational brochures given to targeted industries and at community events.</p>	<p>Stormwater management staff have created two types of auto brochures (Commercial & Do-It-Yourselfers) that are placed at auto fluids and auto parts points of sale locations.</p> <p>A restaurant brochure has also been created and distributed to restaurants. Approximately >30 brochures have been issued for this reporting period.</p> <p>This number is less than last year's totals due to staff turnover and vacancies within the program.</p>



Rain Garden Maintenance Workshop



Benefit of Environmental Flows (2023 River Talks Series)



CITY OF SANTA FE
RIVER & WATERSHED





Mori Hensley, Director of SFWA, Melissa McDonald, Parks and Open Space Division Director, Mayor Alan Webber, and Councilor Alam Castro (Love Your Watershed Day, 2023)



Public Art, 2023 Love your Watershed Day



CITY OF SANTA FE
RIVER & WATERSHED



Minimum Control Measure 2–Public Participation / Involvement

Assessment of Appropriateness of Identified Best Management Practices

While the BMPs for Public Participation and Involvement identified in the City's SWMP are still considered appropriate, the city has expanded the Stormwater Program to include multiple public participation campaigns such as the Santa Fe Rain Watchers precipitation monitoring program, an increase in the River Commission's public involvement through hybrid meetings and community engagement, a River Talks series of public lectures, and onsite workshops.

Progress Towards Reducing Pollutants to the Maximum Extent Practicable

The Adopt-the-River, Adopt-an-Arroyo, Adopt-a-Median, and Adopt-a-Trail/Park programs continue to succeed in recruiting sponsors; local non-profits, in conjunction with the city, hold volunteer cleanup events with increased participation and have started to offer workshops covering a range of topics that empower individuals to become stewards of and advocates for our watershed. For the first time ever, the Santa Fe River Trail was rated the number one trail in Santa Fe in the Santa Fe Reporter's Best Of edition. The Santa Fe River Commission regularly engages the community regarding stormwater issues; therefore, anecdotal data and qualitative analysis show that the City is continuing to grow public participation and involvement for the main tributary of stormwater runoff to the Santa Fe River.

The quality of stormwater runoff has improved due to removal of litter and potential pollutants from the Santa Fe River and the Arroyo de los Chamisos. The City of Santa Fe now has a fully staffed Park Ranger Program that is tasked with working with our unhoused population to help them find shelter outside of our open spaces, arroyos, and river corridor, this work involves routine patrolling and trash and litter removal. The Park Ranger Program was awarded a \$147,000 state tourism grant, which was successfully implemented to support litter cleanup efforts across roadways, rivers, and arroyos. Additional arroyos are maintained in collaboration with the KSFB non-profit, we have developed a "Most Littered Areas" list that is guiding our cleanup efforts by volunteer and youth programs and by street median maintenance volunteers. Working with the local nonprofit, the Santa Fe Watershed Association, the city has helped host workshops on hazardous materials (sharps) handling and homeless encampment cleanup protocols.

The City of Santa Fe's Environmental Services Division continues to implement a "Two on Tuesday" anti-litter campaign, and updates to the online Sustainability Dashboard are ongoing. The dashboard offers transparency on how the city is addressing climate change, conserving water, reducing pollution, and more. Both programs have benefitted the City by empowering constituents to make choices that lead to a cleaner River, leading to less pollutants being collected in our stormwater.

In addition, the Santa Fe River Commission makes periodic social media announcements, posts paper notices, hosts an educational lecture series of River Talks, and helped update the City's Stormwater StoryMap that provides an interactive tool to educate the public on stormwater issues and concerns.

The City's Stormwater Inspector collaborated with the GIS team to develop an ArcGIS Survey 123 application to map and track drain marker replacements and locations of new installs. This will help us track where we have inlets as well as the condition of these markers.



CITY OF SANTA FE
RIVER & WATERSHED



Status of Achieving Measurable Goals Identified in the Stormwater Management Plan
Please refer to the following page, "Goal / Task" and "Status"

Results of Information (Data) Collected and Analyzed, If Any

There has been a continued citizen cleanup effort with Adopt-the-River, Adopt-an-Arroyo, Adopt-a-Median, Keep Santa Fe Beautiful and My Watershed, My Water volunteer groups and other City-sponsored programs. The city continues to schedule Amnesty Days for this reporting period.

The City's Stormwater Inspector collaborated with the GIS team to develop an ArcGIS Survey 123 application to map and track drain marker replacements and locations of new installs. This will help us track where we have inlets as well as the condition of these markers.

In collaboration with the KSFB non-profit, we have developed a "Most Littered Areas" list that is guiding our cleanup efforts.

Stormwater Activities to be Undertaken in Next Reporting Period

- Continue work with citizen watch group(s) to look out for and report illicit discharges.
- Sustain partnerships with various youth groups and developers for the progression of the inlet marker program.
- Encourage neighborhood HOA's/Homeowners to form partnerships with the city in cleanup efforts to remove pollutants from arroyos, acequias and drainages.
- Increase educational and workshop opportunities to continue steward recruitment.
- Continue supporting public campaigns such as "Two on Tuesday" via digital resources.
- The City hopes to continue to expand the Rain Watchers program to encourage dialogue between individuals regarding issues and concerns over climate, stormwater management, and ways individuals and the City can improve current practices.
- Increase bilingual and inclusive messaging throughout the city.
- Drain markers will continue to be replaced and installed in newly developed areas of Santa Fe. Locations of drain marker replacements and new installations will continue to be mapped using the ArcGIS Survey 123 app developed specifically for this purpose.

Proposed Changes to the Stormwater Management Program

Hazardous waste receiving and recycling activities are managed year-round by City staff. The public is invited to participate during the City's Environmental Services Hazardous Household Waste Amnesty Drop-off Day.

Description of Additional BMPs That May Be Necessary (and Schedule)

- Develop and implement a campaign program regarding illegal dumping in arroyos and drainage ways.
- FY24 Utilization of on-call contracts to replace damaged "Only Rain in the Drain" curb markers and place new markers on storm drain inlets in new developments.
- Utilize digital platforms to educate local communities about illicit discharges, pet waste, litter, household hazardous waste, and general stormwater quality awareness.
- The city has been invited to participate in the Local Emergency Planning Committee and will have a staff member appointed to the board. The first meeting and appointments are not until September of 2024.



CITY OF SANTA FE
RIVER & WATERSHED



MINIMUM CONTROL MEASURE 2: PUBLIC PARTICIPATION AND INVOLVEMENT

GOAL / TASK	STATUS
Annual and long-term Stormwater Program funding through the stormwater utility service charge and in-kind services	<p>Funding was solicited this reporting period through the City's budget process. The Stormwater Program continues funding through a dedicated monthly stormwater utility service charge assessed to homeowners and businesses.</p> <p>In the previous reporting period, the city was awarded a \$4.18 million loan from the NMED's Clean Water State Revolving Fund. The Loan continues to fund stormwater infrastructure projects that help improve water quality and stability of our open channel conveyance systems.</p> <ul style="list-style-type: none"> • 500C River Repair Project (\$1.26M)- completed FY23 • The 500C River Repair Projects 1-year FY24 warranty has just expired. • 600C Arroyo de Los Pinos (\$420k)- contract awarded FY23; construction to begin early FY25
Continue to clean waterways (arroyos, Santa Fe River) and identify types/sources of pollution Note: includes homeless encampments	<p>The River and Watershed Section enters an annual contract with non-profits such as YouthWorks, the Santa Fe Watershed Association and Friends of the Santa Fe River, as well as local contractors to keep the City's arroyo system and Santa Fe River clean. The city maintains approximately 77.34 miles of arroyos; a total of over 548 cubic yards of silt and sediment as well as 154.38 tons of trash, and debris (includes homeless encampments) has been documented and removed.</p> <p>2NDNATURE software purchased for better record keeping, tracking and reporting. Multiple trainings took place with the 2NDNATURE team to figure out software integration.</p>
Document the number of volunteer and man-hours committed to volunteering for river and arroyo cleanups from the previous year	<p>The City of Santa Fe, YouthWorks, the Santa Watershed Association, four homeowner associations and acequia associations actively clean arroyos and drainages at least three times a year.</p> <p>The SFWA results (River and arroyos combined)</p> <ul style="list-style-type: none"> • Total Volunteer Hours: 1,181 hrs (755 river, 421 arroyo) • 10.3 tons of trash collected (1,373 individual bags). • 99 visits from 658 volunteers <p>Keep Santa Fe Beautiful:</p> <ul style="list-style-type: none"> • 120 volunteer hours • 41.676 tons (~86,352 lb) of litter removed. • 5 clean ups <p>Rangers:</p> <ul style="list-style-type: none"> • 532 clean-ups, 79 of which were in waterways including the Santa Fe River. Estimated man hours 5,760, estimated man-hour cost of \$240,000, approx. 238.16 tons of litter removed from waterways <p>Friends of the Santa Fe River:</p> <ul style="list-style-type: none"> • \$46,000/1300 man-hours for Arroyo and River Clean-Up <p>An estimated over 650 volunteers participated in River and Arroyo cleanup events for the reporting year July 1, 2022, to June 30, 2023.</p>



CITY OF SANTA FE
RIVER & WATERSHED



Record the number of drain markers replaced or installed	Supplies were ordered to replace and re-install drain markers, and reconnaissance strategies have been developed to continue this program in the next reporting period. An order of 500 arroyo and river drain markers was received. There were 88 River and 5 Arroyo drain markers replaced.
100% of City refuse residents have been provided non-Recyclable covered waste storage bins and containers.	Achieved; 100% of the City's refuse residents have received covered waste containers as the City's Environmental Services Division has moved into a side container load truck. Providing residents with covered waste containers has reduced pollution in the City's storm system significantly. In addition, the Environmental Services Department has repaired or replaced 96 dumpsters and trash cans. This program continues to operate effectively.
Document all hotline and constituent complaints that have been resolved	All calls and constituent complaints received were entered into the database detailing the incident and resulting actions; roughly 90% of all reported complaints were resolved this reporting period and the remainder were left open for follow-up discussion. The city continues to use a digital CRM reporting system that takes advantage of ESRI software to document and respond to constituent concerns. 2NDNATURE software has been purchased for better record keeping, tracking and reporting. Approximately 23 complaints have been documented on the FY 23/24 spreadsheet. The River and Watershed website had changes made for easier navigation.



Park Ranger Cleanup Before, 3/04/2024



Park Ranger Cleanup After, 3/04/2024



Park Ranger Cleanup Before, 3/25/2024



Park Ranger Cleanup After, 3/25/2024



CITY OF SANTA FE
RIVER & WATERSHED



Minimum Control Measure 3 – Illicit Discharge Detection & Elimination

Assessment of Appropriateness of Identified Best Management Practices

The BMPs for Illicit Discharge Detection and Elimination identified in the City's SWMP are still considered appropriate. The City has addressed, and is continuing to address and implement, BMPs such as cross departmental collaboration to better track illicit discharges and other stormwater issues throughout the city.

Progress Towards Reducing Pollutants to the Maximum Extent Practicable

Only a qualitative conclusion can be drawn at this time. A full-time Stormwater Inspector was hired in March of 2024; a marked improvement uptick in illicit discharge inspections and resolutions were observed once this position was filled. The City's Stormwater team also work with our IT department to digitize our Notice of Violation process. This provides a standard operating procedure for issuing violations while providing a mechanism to record and track them. Education on the proper disposal of oils, greases, construction materials, green waste continues with the use of doorhangers and brochures.

Other City inspection areas such as: Planning & Land Use Grading & Drainage, Water Conservation Office, Parks & Open Space, and others have continued to refer illicit discharges to the Stormwater Inspector. City and County communication has increased and illicit discharges are being handled more effectively as contacts have been identified and relationships continue to developed.

Status of Achieving Measurable Goals

Please refer to the following page, "Goal / Task" and "Status"

Results of Information

Based on the spreadsheet data for this reporting period, there has been an increase in the total number of illicit discharge reports and corrective actions. Reasons for this may include: previous underreporting due to understaffing, greater public awareness of reporting tools and efficiencies of reporting tools, and streamlined back-end delegation.

Stormwater Activities to be Undertaken in Next Reporting Period

- Any discovered illicit discharge sources will be documented and disconnected.
- All reported dry weather flows will be documented and reported.
- Continue recording the number of citizen reports of illicit dumping and documentation of all actions taken by the City.
- Integrate 2ndNature Software infrastructure.
- Continue improvements to Public Reporting of non-stormwater discharges record keeping.
- Continue Illicit Discharge education and training, including potential redesign of training material.
- Continue mapping of City's stormwater infrastructure.

Proposed Changes to the Stormwater Management Program

Implement use of 2NDNATURE software and cross train intradepartmental staff.

Description of Additional BMPs That May Be Necessary (and Schedule)

The Stormwater team is developing a targeted training for Senior Staff to better educate departments on SMS4 requirements and expectations of staff. This approach will hopefully improve communication and end of year information gathering. The Stormwater team also hopes to begin cross training departments on utilization of the 2NDNATURE software to improve mapping and real time condition assessment.



CITY OF SANTA FE
RIVER & WATERSHED



MINIMUM CONTROL MEASURE 3: ILLICIT DISCHARGE DETECTION & ELIMINATION	
GOAL / TASK	STATUS
Annual and long-term Stormwater Program funding through the stormwater utility service charge and in-kind services	Funding was solicited this reporting period through the City's budget process. The Stormwater Program continues funding through a dedicated monthly stormwater utility service charge assessed to homeowners and businesses.
Expand current Storm Drain System Map to capture system complexity (catch basins, pipes, culverts, etc.)	Approximately 60% of the City's drain system has been mapped. Continued mapping of Stormwater Pipe System is on-going and will continue through the next reporting period. Staff continues to receive training on software to record the location and condition of the storm drain system.
Outfall inspection program ongoing/ document maintenance issues and investigate dry weather flows	<p>A total of 600 outfalls have been recorded throughout the city while 25% were inspected this reporting period.</p> <p>No dry weather flows were documented during this reporting period. The dry weather flow that was documented at a 36" diameter outfall in the Arroyo Mascaras along Rosario Boulevard in 2021 continues to be monitored.</p> <p>2ndNature software system will assist in documenting maintenance issues.</p>
Document the number of citizen complaints related to illegal dumping into the city's storm system and the results of actions taken.	<p>While continuing to share the stormwater message with all residents and businesses we are receiving less citizen complaints because of the city's education and outreach measure. We are seeing a decline in the number of overall reported complaints per previous reporting periods. All complaints were documented and resolved.</p> <p>The City's stormwater staff has documented and responded to over 23 stormwater related inquires. Park Ranger Staff responded to Approximately 50% of these reported inquiries are related to illegal dumping complaints because of homeless encampments and illegal disposal of green waste.</p> <p>In collaboration with the KSFB non-profit, we have developed a "Most Littered Areas" list that is guiding our cleanup efforts.</p>
Continue commercial business inspection program and document findings; follow up on discoveries and record actions taken.	A total of 29 commercial business inspections took place. All inspections and corrective actions have been documented.
Incorporate design/build trash racks to comply with new proposed regulations regarding the reduction of floatables/Pollution	No new trash racks were installed in the City of Santa Fe; however, improvement to existing sediment traps and design have been incorporated in rain garden and infiltration basin designs.





Illicit Discharge NOV issued 6/18/2024



Illicit Discharge report: natural organic compounds, no violation found, 2/28/2024



Stormwater Inspector Training, 2/7/2024



CITY OF SANTA FE
RIVER & WATERSHED



Minimum Control Measure 4 – Construction Site Runoff Control

Assessment of Appropriateness of Identified Best Management Practices

The BMPs for Construction Site Runoff Control identified in the City's SWMP are still considered appropriate; the City has addressed and implemented many BMPs such as implementing an improved inlet protection protocol at the City's Siler Road Complex Yard.

Progress Towards Reducing Pollutants to the Maximum Extent Practicable

At this point, only a qualitative conclusion can be drawn. The City enforces a comprehensive Terrain and Stormwater Management ordinance that aims to prevent pollutants from leaving construction sites; therefore, the quality of stormwater runoff from these sites has improved greatly. In addition, the City of Santa Fe's River and Watershed Section is working with Land Use on a development code rewrite to hopefully protect and improve stormwater quality. By filling the vacant stormwater inspector position, the City now has a certified stormwater inspector on staff. With the staffing of this position, more training and education of Land Use and Code Enforcement Staff has occurred. Onsite inspections have increased as well as coordination between departments and staff to identify violations. A construction-specific BMP brochure and handout package was developed, for distribution to contractors by Stormwater Staff and Planning and Land Use Staff and continues to be distributed.

Status of Achieving Measurable Goals Identified

Please refer to the following page, "Goal / Task" and "Status"

Results of Information (Data) Collected and Analyzed If Any

There was an increase in awareness of construction site runoff control due to better public awareness and post-pandemic social conditions. We hope to reach pre-pandemic levels in the next reporting period.

Stormwater Activities to be Undertaken in Next Reporting Period

- Continue tracking of inadequate site plan submittals to Planning and Land Use.
- Continue documenting the number of stop-work orders due to construction site runoff control violations.
- Continue to track the number of BMP informational brochures given to contractors.
- Continue to record the number of enforcement actions taken.
- Continue to improve awareness about construction requirements & control measures.
- Continue to develop and implement BMP training (particularly sites that disturb > 1 acre.)
- Continue to cross-train the City's Land Use Department Grading & Drainage Staff to improve stormwater plan requirements.
- Hire additional staff specifically trained in stormwater inspection practices.
- Greater participation of River and Watershed Staff at pre-construction meetings to discuss stormwater BMPs and continued inspections of CGP project areas.

Proposed Changes to the Stormwater Management Program

Increase inspectors/staff and cross train land use department inspectors for stormwater violations. The Stormwater Management Team hopes to add an additional Project Manager in the next reporting period. The continuation of trainings for our staff.

Description of Additional BMPs That May Be Necessary

Cross training of Park Rangers and other staff for stormwater inspections is on-going and will continue into the next reporting period. Stormwater Staff has also discussed greater participation in



CITY OF SANTA FE
RIVER & WATERSHED



pre-construction meetings, regardless of the project's department affiliation, to help align BMP utilization from the start of the project.

MINIMUM CONTROL MEASURE 4: CONSTRUCTION SITE RUNOFF CONTROL	
GOAL / TASK	STATUS
A dedicated monthly stormwater utility service charge assessed to homeowners and businesses	As part of the Stormwater Program, construction site runoff control education and enforcement are funded through a monthly stormwater utility service charge assessed to homeowners and businesses.
Record and track the number of stop-work orders given	5 stop-work orders were documented and issued.
Document the number of enforcement actions/ inadequate site plans reported by inspectors	Grading & Drainage inspections reported for this period are as follows: 373 passed, 62 partial pass, 40 subject to re-inspection with a fee, 72 subject to re-inspection, 1 scheduled, 9 cancelled, and 0 disapproved. These amounted to a grand total of 557. That is 18 more than last year.
Document the number of BMP informational brochures given to contractors	A construction-specific brochure and a BMP flyer was developed by the Stormwater Staff for distribution to developers and contractors. A little over 50 educational/BMP brochures were issued this reporting period.
Ordinance # 2005-3 Stormwater Illicit Discharge Control in place	Construction site activities that have disturbed less than one acre of land have shown a reduction in pollutant discharges because of the enforcement of City of Santa Fe's 2005-3 Stormwater Illicit Discharge Control ordinance.
Document the number of stormwater related enforcement actions taken which include Stormwater Pollution Prevention Plan (SWPPP) and non-SWPPP violations.	During this reporting period a total of (292) enforcement actions were documented. Additional routine and random site inspections took place periodically.

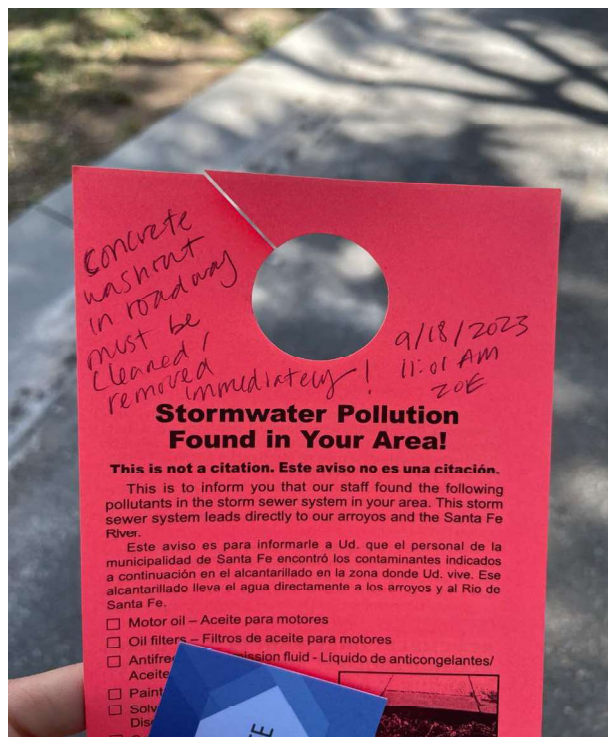


CITY OF SANTA FE
RIVER & WATERSHED





The Tierra Contenta Trail Repair to stop erosion and undermining of trail along the Arroyo de los Chamisos. 6/30/2024



Doorhanger left at residential construction site with improper disposal of concrete washout, 9/18/2023



Construction Site BMPs at Los Soleras, 6/24/2024



CITY OF SANTA FE
RIVER & WATERSHED



Minimum Control Measure 5 – Post-Construction Runoff Control

Assessment of Appropriateness of Identified Best Management Practices

The BMPs for post-construction runoff control identified in the City's SWMP are still considered appropriate; the City continues to implement BMPs in this area.

Progress Towards Reducing Pollutants to the Maximum Extent Practicable

The City continues to incorporate low impact development components city-wide through the Alameda Rain Gardens Project and development of the Railyard District. The River and Watershed Section is spearheading the stormwater master plan for the Midtown Santa Fe Development, a 67acre site that focuses on green stormwater infrastructure and onsite stormwater management to attenuate flood pulses and infiltrate runoff to the maximum extent possible. This project area will showcase responsible, multi-beneficial stormwater management that is intended to become required in future development in Santa Fe. These, combined with the City's comprehensive Terrain and Stormwater Management ordinance improved the quality of stormwater runoff. In addition, the River and Watershed team installed new roadway rain gardens at Valley Dr. and has completed design of additional infiltration basins at Las Estancias Park. The City was also awarded almost \$2 Million in FEMA Hazard Mitigation and BRIC grants to design large scale infiltration galleries and green stormwater infrastructure to help mitigate flooding and improve stormwater quality.

Status of Achieving Measurable Goals

Please refer to the following page, "Goal / Task" and "Status"

Results of Information (Data) Collected and Analyzed, If Any

No conclusions can be drawn from the data that has been collected at this time.

Stormwater Activities to be Undertaken in Next Reporting Period

- Continue porous pavement monitoring and increase its use with the implementation and promotion of block pavers and suspended pavement technology.
- Continue to track post construction control measures.
- Continue to improve watershed protection goals.
- Continue expansion of the Alameda Rain Garden Project and promote/install rain gardens throughout the City.
- Continue monitoring the effectiveness of infiltration gardens.

Proposed Changes to the Stormwater Management Program

The River & Watershed Section is considering mapping these areas and developing strategies for routine maintenance.

Description of Additional BMPs That May Be Necessary (and Schedule)

The River & Watershed Section plans to take more pro-active approach in monitoring BMPs and tracking those sites that fail due to improper maintenance or poor implementation. The group plans to use this data to better site BMPs and conduct routine maintenance on a schedule tailored to site specific needs.



CITY OF SANTA FE
RIVER & WATERSHED



MINIMUM CONTROL MEASURE 5: POST-CONSTRUCTION RUNOFF CONTROL	
GOAL / TASK	STATUS
A dedicated monthly stormwater utility service charge assessed to homeowners and businesses	<p>As part of the Stormwater Program, post-construction runoff control measures are funded through a monthly stormwater utility service charge assessed to homeowners and businesses.</p> <p>The River and Watershed Section secured a \$4.18M NMED Clean Water State Revolving Fund loan to improve surface water quality.</p> <p>The River and Watershed Section has secured close to \$2M in grants for improved stormwater management (FEMA and USDA grants) and continues to apply for additional funding.</p>
Porous pavement follow-up studies	<p>The City's River and Watershed Section continues to monitor pervious projects (city approved) for effectiveness in reducing contaminant loads in stormwater runoff to meet the EPA's NPDES program. Studies indicate that the conditions of approved previous projects continue to function as designed and help in reducing overall runoff in the area.</p>
Low-Impact Development and Green Infrastructure Practices	<p>The construction of four new rain gardens took place this past year. This project uses LID principles and Green Infrastructure to improve stormwater quality before it enters the Santa Fe River. This work was funded through a NMED River Steward Grant.</p> <p>City of Santa Fe participated in the Land and Water Summit to educate and collaborate on new and existing GSI.</p> <p>An interview with 4th graders on Stormwater capture and reuse hurdles took place.</p> <p>The River Talks Series, hosted by the City and River Commission, supported a lecture on GSI and toured LID/GI sites. There was also a River Talk specifically dedicated to clarifying the sMS4 permit and process to the public. Over 35 participants from the public showed up to these events with over 150 unique attendees.</p>
Document the number of river/arroyo miles modified and vegetated	<p>Of the 77.34 miles of arroyos and 13 miles of the Santa Fe River the City maintains, 3 miles were thinned, cleaned and or modified to improve stormwater conveyance and quality.</p>
Document the amount of acreage preserved as buffers	<p>To date a total of 3,969.84 acres have been designated as City Open Space.</p>



CITY OF SANTA FE
RIVER & WATERSHED





Valley Drive Rain Gardens, 6/15/2024



Educational signage at Valley Drive rain gardens, 6/29/2024



CITY OF SANTA FE
RIVER & WATERSHED



Minimum Control Measure 6: Pollution Prevention & Good Housekeeping

Assessment of Appropriateness of Identified Best Management Practices

The BMPs for Pollution Prevention and Good Housekeeping identified in the City's SWMP considered appropriate; the City continues to implement BMPs in this area. The City's Siler Yard Complex continues to take additional steps to improve water quality by educating City employees about stormwater pollution and installing BMPs to meet current regulatory and compliance standards.

Progress Towards Reducing Pollutants to the Maximum Extent Practicable

Only a qualitative conclusion can be drawn at this time. To the extent that on-going street sweeping, inlet vacuuming, utilization of "snout" drop-inlets and/or Storm-ceptor inlets in new construction, an active IPM Program, and removal of debris and potential pollutants from city arroyos and channels, is effective, the quality of stormwater runoff continues to improve.

In addition, the Park Ranger program is fully staffed. They work extensively in both prevention of encampment establishment in arroyos and channels as well as eliminating any litter or other pollutants that would otherwise enter stormwater channels. Qualitative data have suggested positive results for the quality of stormwater runoff thanks to this program.

An employee training covering MS4 and Good Housekeeping was provided to the City's Park and Open Space Division, Environmental Services Division, and Fleet, all divisions housed at Siler Yard. In addition, MS4 and Construction Site BMP trainings continue to be provided for all City Staff.

The Parks and Open Space Division has been diligent in replacing an aging fleet. Approximately 25 vehicles have been replaced, taking leaky vehicles off the roads and improving water quality.

Status of Achieving Measurable Goals Identified

Please refer to the following page, "Goal / Task" and "Status"

Results of Information (Data) Collected and Analyzed If Any

Outfall cleaning, inlet cleaning, trash pickup, recycling, and IPM training have all increased.

Stormwater Activities to be Undertaken in Next Reporting Period

- Sustained monitoring of municipal operations and making recommendations for improvements.
- Continue tracking the quantity of IPM brochures distributed to the public.
- Continue training city employees in IPM (conducted by Parks Dept. Staff).
- Continue to document outfall cleaning, inlet cleaning, and channel trash pickup.
- Continue to document street sweeping accomplishments.
- Compile the number of preventative maintenance procedures performed on city owned vehicles.
- Continue to train City employees regarding BMP's related to department specific work activities.
- Continue to hire Park Rangers.
- Re-initiate internal training for City employees to improve synergy in awareness of sMS4 needs.

Proposed Changes to the Stormwater Management Program

Increased training and routine inspections for City Staff will be an important part of our continuing program.

Description of Additional BMPs That May Be Necessary (and Schedule)

Regular meetings with Streets Drainage Section for development of routine maintenance schedule and collaboration.



CITY OF SANTA FE
RIVER & WATERSHED



MINIMUM CONTROL MEASURE 6: POLLUTION PREVENTION AND GOOD HOUSEKEEPING	
GOAL / TASK	STATUS
A dedicated monthly stormwater utility service charge assessed to homeowners and businesses	Funding was solicited this reporting period through the City's budget process. The Stormwater Program continues funding through a dedicated monthly stormwater utility service charge assessed to homeowners and businesses.
Parks & Trails pesticide program ongoing	<p>IPM office continued a pesticides program to limit use of hazardous chemicals; the City of Santa Fe does not use herbicides or pesticides containing hazardous chemicals.</p> <p>IPM used a preemergent herbicide to treat 95 acres of a golf course. 5 acres of putting greens were treated with a Fungicide.</p>
List the number of outfalls cleaned and the amount of trash/Unsheltered encampment removed.	We estimate 22 outfalls were inspected, prioritized, and maintained. A total of 59.76 tons of trash and debris were removed from outfalls and homeless encampments. A total of 2,486 drop inlets were cleaned. Routine inspection of outfalls continues, and qualitative data from increased inspections seems to indicate success.
Document the number of miles of streets cleaned and the amount of trash removed from streets.	Approximately 1500 lane miles have been cleaned this reporting period. Arterial street cleaning takes place approximately 6 times a year. The amount removed from the storm sewer infrastructure was approximately 650 tons.
List the number of preventative maintenance procedures performed on City-owned vehicles.	<p>During this reporting period Fleet Management performed 2,559 preventative work orders. This includes 910 oil changes, 159 tire repairs, and 1490 other repairs.</p> <p>Parks and Open Space replaced nearly 25 vehicles within their fleet, taking polluting vehicles off the street swapping them with newer, more fuel-efficient work trucks. This included the purchase of two-hybrid Ford F-150s for the River and Watershed Section.</p>
Improve BMPs at the Siler Yard Facility to meet the latest stormwater regulations	<p>Work continues to ensure good housekeeping practices are in order until the suggested grading and drainage plan from the 2021 Weston Engineered Study can be implemented. Parks and Open Space constructed five new to prevent wind and rain migration of landscaping materials into the storm drain system.</p> <p>Staff training for employees at the Siler Yard continue and routine inspections align with the City's commitment to pollution prevention.</p> <p>All maintenance staff are currently involved with inventory of the yard, and there is a focused effort in removing old and decommissioned machinery and securing any mobile materials to prevent migration into nearby waterways.</p>



CITY OF SANTA FE
RIVER & WATERSHED





Covered parking for Environmental Service Vehicles, Siler Yard Complex 2024



Silt fencing around salt and cinder yard prevents migration to the storm drain system, Siler Yard Complex 2024



Newly built bays for mulch and other landscape materials to prevent wind and rain migration to storm system, Siler Yard Complex, 2024

Signature: *Melissa McDonald*

Email: mamcdonald@santafenm.gov

Signature: *Regina Wheeler*
Regina Wheeler (Sep 29, 2024 07:23 MDT)

Email: rawheeler@santafenm.gov