



City of Santa Fe, New Mexico

Memorandum



DATE: October 3, 2023

TO: John Blair, City Manager

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

FROM: Zoë Isaacson, River & Watershed Manager *ZRI*
Andrew Wright, Project Specialist Stormwater *AFW*

ACTION:

Request for City Manager approval (Zoë Isaacson, zisaacson@santafenm.gov, 505.955.6853)

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 (sMS4) Permit Program to address the need for improved stormwater quality. The sMS4 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 sMS4 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> (2022-2023 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: 2022-2023 sMS4 Annual Report Summary.

Some highlights of the River & Watershed Section's activities include our rapid response to issues associated with homelessness and our continued efforts to keep our waterways free of encampments and potential water quality hazards. These efforts were complemented by our general management strategy of thinning, clearing, and maintaining arroyos and other stormwater conveyances. Collaboration with volunteer groups, contractors, City employees, and the newly established Park Rangers program has been particularly beneficial in preventing fire, drought, and pollution discharge in the Santa Fe River Watershed. In their combined efforts, these parties have removed over 150 tons of pollutants and nearly 550 cubic yards of silt and sediment from our waterways. The River and Watershed section has also increased our emphasis on constructing and maintaining green stormwater infrastructure prominently including roadway adjacent rain gardens, which help slow, spread, and sink stormwater to remove pollutants before they enter the Santa Fe River and contributing arroyos.

The River Talks Series, in its third year, was another success in reaching and educating the public on a variety of topics concerning the Santa Fe River Watershed. In collaboration with the Santa Fe River Commission and Santa Fe Watershed Association 8 talks were held including onsite tours of the upper watershed, rain gardens and urban reaches of the river. We had an average attendance of 25 people per event and received positive feedback from most of the attendees. The River and Watershed Section also offered Stormwater Compliance training to all city staff and over 20 individuals received their Stormwater Competent Person certification and license allowing them to inspect and regulate stormwater management on construction sites.

The City also developed and launched a new sustainability dashboard in November 2022, which served as both a transparent report on how the City is implementing the Sustainable Santa Fe 25-year plan and an educational tool for the public to make sustainable choices such as installing a home rain barrel or dining at a 'waterwise' restaurant. For additional data and metrics for the citywide stormwater management and compliance program refer to the attached document 2022-2023 sMS4 Annual Summary Report.

Thank you for your prompt attention.

Cc:

Jason M. Kluck, Land Use Department Director

John Dupus, Public Utilities Department Director

Melissa A. McDonald, Parks & Open Space Division Director

Regina A. Wheeler, Public Works Department Director,

Thomas E. Martinez, Streets & Drainage Maintenance Division Director

ATTACHMENTS:

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

City of Santa Fe, New Mexico

National Pollutant Discharge Elimination System



Draft

sMS4 Annual Report Summary

Fiscal Year 2022-2023

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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. The City of Santa Fe believes that educating the community and training City staff on stormwater awareness is an effective strategy for the NPDES (National Pollutant Discharge Elimination System) small SMS4 (small Municipal Separate Storm Sewer Systems) Phase II compliance. The City of Santa Fe also encourages use of Low Impact Development and Green Stormwater Infrastructure to infiltrate stormwater where possible. The City's receiving water is the Santa Fe River. A total maximum daily load for stream-bottom deposits has been determined for the Santa Fe River. The EPA has identified six minimum control measures (MCMs) that must be addressed within the plan and the City is required to show measurable improvement 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

The Best Management Practices (BMPs) listed here are minimum goals 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 of Santa Fe's Stormwater Management Strategic Plan incorporates the six MCMs suggested by the EPA to significantly reduce pollutants discharged by the City of Santa Fe.

The Stormwater Management Plan measures and controls are consistent with the total maximum daily loads established for the Santa Fe River by incorporating the best available measures for control of sediments.

This report indicates that the City continues to meet and at times exceed established goals. Based on available resources the City of Santa Fe continues to reduce pollutants to the maximum extent practicable.

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, 2022, to June 30, 2023

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
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 the City's new Sustainability Dashboard and updated 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, 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 comprehensive MS4 trainings for City staff. We have also redesigned one flier with work continuing others, 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 City-maintained listservs. 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, constituents, and river stewards. However, efforts to engage the public increased, 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 general public such as River Talks.
- Continued efforts to update and advance mapping capabilities within the River and Watershed Section
- The Stormwater Program continues to adapt for a more remote-forward environment by developing virtual and hybrid trainings regarding current SMS4 requirements and making River Commission meetings hybrid, and will continue to develop up-to-date bilingual stormwater digital resources.
- The River and Watershed Section plans to update many public education materials including brochures.
- Continued efforts to leverage funding through grants and low-interest loans.
- 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. 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 & 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 applied for FEMA Hazard Mitigation Grant funds for Ashbaugh Park Infiltration Gallery and Marc Brandt Park Improvements and applied for the US Forest Service Forestry Grant for Frenchy's Field Improvements including the Arroyo de Las Crucitas and development of an outdoor classroom.
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. A new educational brochure is being finalized through a cooperative agreement between the County of Santa Fe, New Mexico Dept. of Transportation and the City of Santa Fe and should be in circulation by the next reporting period. Selected Educational Brochures will be posted online in bilingual
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.
Create and post multimedia education materials and PSAs.	A Stormwater StoryMap was updated and continues to be available digitally, and a sustainability dashboard was created. 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.
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.
Continued participation in community events to provide the public with City Stormwater Program information.	The River and Watershed Team facilitates regular monthly virtual/ hybrid River Commission meetings open to the public. The topic of stormwater is often discussed, and the River Commission has helped educate the public on such topics as: water quality issues pertaining to pet waste, water conservation and stormwater utilization, among others. 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 8 talks were given by experts.
Document the number of educational brochures given to targeted industries and at community events.	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. A restaurant brochure has also been created and distributed to restaurants. Approximately >50 brochures have been issued for this reporting period. The Water Passport Program developed by the Water Conservation Program includes stormwater specific facts and activities and continues to be distributed to school- aged kids and their families. Support school curriculums that teach responsible stormwater management practices such as "Know Your Watershed" and My Water, My Watershed. This second experiential program is part of the fifth-grade curriculum across Santa Fe Public schools.



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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 and an increase in the River Commission's public involvement through hybrid meetings and community engagement, a River Talks series of public lectures, and the NMED Source of Supply Planning Group's development of a framework for public participation.

Progress Towards Reducing Pollutants to the Maximum Extent Practicable

The Adopt-the-River, Adopt-an-Arroyo and 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 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 Chamisos. Additional arroyos are maintained by volunteer and youth programs and by the ongoing street median maintenance volunteers.

The City of Santa Fe's Environmental Services Division has also implemented a Two On Tuesday anti-litter campaign, and launched an online Sustainability Dashboard for transparency around how the City is addressing climate change, conserving water, reducing pollution, and more. Both of these 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.

Santa Fe Rain Watchers, a local chapter of the Community Collaborative Rain, Hail and Snow Network has continued to grow. The group currently has 24 volunteers, up from nine members in the 2021 reporting period. This volunteer program enriches the national weather database and aids in drainage modeling throughout the city. 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.

In addition, the Santa Fe River Commission makes periodic social media and public service announcements, hosts an educational lecture series of River Talks, regularly participates in budget analyses for rain gardens throughout the city, and helped update the City's Stormwater Story Map that provides an interactive tool to educate the public on stormwater issues and concerns.

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.

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.



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- Encourage neighborhood HOA's/Homeowners to form partnerships with the City in cleanup efforts to remove pollutants from arroyos, acequias and drainages.
- Continue supporting public campaigns such as 'Two On Tuesday' via digital resources.

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.



Photo 1: River Talk attendees in a garden space.

MINIMUM CONTROL MEASURE 2	
Public Participation / 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 • 600C Arroyo de Los Pinos (\$420k)- contract awarded FY23
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.</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: 1478 hrs (1129.75 river, 348.25 arroyo) <ul style="list-style-type: none"> • 15.31 tons of trash collected (2041 individual bags). <ul style="list-style-type: none"> • 127 visits from 763 volunteers <p>Keep Santa Fe Beautiful:</p> <ul style="list-style-type: none"> • 120 volunteer hours, • 23.4385 tons (~46,877 lb) of litter removed. <ul style="list-style-type: none"> • Eight clean ups <p>Rangers:</p> <ul style="list-style-type: none"> • 44 clean ups, estimated man-hour cost of \$110,000, approx. 110 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 800 volunteers participated in River and Arroyo cleanup events for the reporting year July 1, 2022, to June 30, 2023.</p>
Record the number of drain markers replaced or installed	<p>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.</p>



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<p>100% of City refuse residents have been provided non-Recyclable covered waste storage bins and containers.</p>	<p>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.</p> <p>In addition, the Environmental Services Department has repaired or replaced 96 dumpsters and trash cans.</p> <p>This program continues to operate effectively.</p>
<p>Document all hotline and constituent complaints that have been resolved</p>	<p>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.</p> <p>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.</p> <p>Approximately (275) total complaints have been documented on the FY 22/23 spreadsheet.</p>



Photos 2 & 3: Sandoval underpass before and after cleanup.



Photos 4 & 5: Paseo de Peralta underpass before and after cleanup.

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. Many businesses and homeowners have been provided educational materials such as stormwater BMP and "Good Housekeeping" brochures targeting residential and business owners and feel it is reasonable to conclude that the quality of stormwater runoff has improved to some degree. 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.

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.
- Hire additional staff specifically trained in stormwater inspection practices.
- 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.



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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. Use of the 2ndNature software infrastructure will prove to be helpful in this regard.
Document discovered illicit sources and disconnections	<p>No illicit discharge connections were documented during this reporting period. Educational brochures were passed out and 110+ door hangers were placed to notify individuals and neighborhoods of illicit discharges and strategies to prevent further violations.</p> <p>A focus on cross training of field staff as inspectors has been implemented and will continue. Stormwater Inspector Competent Training was held and the City increased their certified staff by 15 individuals.</p>
Outfall inspection program ongoing/ document maintenance issues and investigate dry weather flows	<p>A total of (600) outfalls have been recorded 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 275 stormwater related inquires. Approximately 75% of these reported inquires are related to illegal dumping complaints because of homeless encampments and illegal disposal of green waste.</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	The Siler Trash Rack projects at the Santa Fe River Outfall has been funded. Design and construction is anticipated to occur during the next reporting period.



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. A construction-specific BMP brochure and handout package was developed, for distribution to contractors by Stormwater Staff and Planning and Land Use Staff.

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.

Proposed Changes to the Stormwater Management Program

Increase inspectors/staff and cross train land use department inspectors for stormwater violations.

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

Cross training of Park Rangers and other staff for stormwater inspections is on-going and will continue into the next reporting period.



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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: 358 passed, 59 partial pass, 40 subject to re-inspection with a fee, 72 subject to re-inspection, 2 scheduled, 8 cancelled, and 0 disapproved. These amounted to a grand total of 539.
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 total of >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.



Photos 6 & 7: Protected Storm Drain and Track Pad Entrance at the 500C (CWSRF 088)-Santa Fe River Repair Project.



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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

A collaborative improvement project for the removal of non-native vegetation in various reaches of the Santa Fe River and along arroyos within the urban boundary by the city and area YCC crews, Friends of the Santa Fe River, and River Source summer interns. The City continues to incorporate low impact development components city-wide through the Alameda Rain Gardens Project and development of the Railyard District. These, combined with the City's comprehensive Terrain and Stormwater Management ordinance improved the quality of stormwater runoff.

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

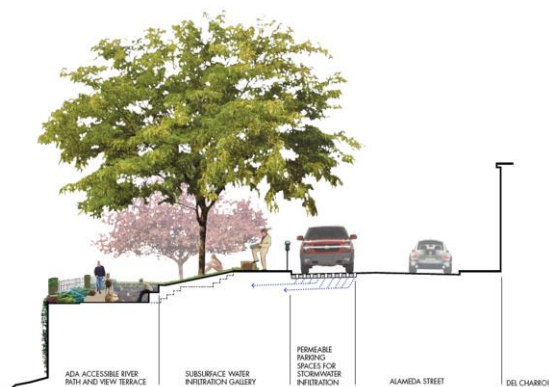
- Continue porous pavement monitoring.
- Continue to track post construction control measures.
- Continue to improve watershed protection goals.
- Continue expansion of the Alameda Rain Garden Project.
- Continue monitoring the effectiveness of infiltration gardens.

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 a 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.



Photos 8 & 9: Permeable pavement use in parking lane along the Santa Fe River.



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>
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 Brother's Lane Rain Garden and Camino Escondido Stilling Basins were completed in March of 2022. 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>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 general public. An average of 25 members of the public showed up to these.</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, 5 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>



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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 has taken 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 Stormceptor 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, there has been a sharp increase in funding for Park Rangers, who have been able to 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.

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 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.



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MINIMUM CONTROL MEASURE 6

Pollution Prevention / 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	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. The River and Watershed section helped develop the NMED Source Water Protection plan documenting existing and potential contamination sites, which is now available to the public.
List the number of outfalls cleaned and the amount of trash/Unsheltered encampment removed.	We estimate (5) of all outfalls were inspected, prioritized, and maintained. A total of (59.76) tons of trash and debris were removed from outfalls and homeless encampments. 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 (2874) tons.
List the number of preventative maintenance procedures performed on City-owned vehicles.	During this reporting period Fleet Management performed (1771) preventative work orders. This includes 723 oil changes, 265 tire repairs, and 783 other repairs.
Improve BMPs at the Siler Yard Facility to meet the latest stormwater regulations	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.



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