

City of Santa Fe, New Mexico

memo

DATE: September 22, 2022

TO: John Blair, City Manager JB

VIA: Regina Wheeler
Regina Wheeler (Sep 23, 2022 14:30 MDT)

Regina A. Wheeler, Public Works Department Director

Melissa A. McDonald, Parks & Open Space Division Director MMc

Zoe R. Isaacson, Acting River & Watershed Coordinator ZR

FROM: David N. Pike, Stormwater Project Administrator- Stormwater Compliance Officer DNP
Michelle P. Gutierrez, Stormwater Section Project Specialist MPG

PURPOSE: Annual Report for EPA Municipal Separate Storm Sewer System (sMS4) Submittal

REQUESTED ACTION: City Manager signature, upon review. Please go to page 6 of 6 of the sMS4 Annual Report (to view online go to <https://www.santafenm.gov/ms4> cooperative), sign and date it in the appropriate signature box. Upon signature, please email back confirmation to dnpike@santafenm.gov

BACKGROUND: The Clean Water Act (1972) was established to restore and maintain the quality of the nation's waterways and to ensure that rivers and streams were fishable, swimmable, and drinkable. Stormwater runoff is a leading source of water pollution. As stormwater runoff flows to the storm drain system it flows over land and impervious areas including sidewalks, streets, driveways, and parking lots picking up pollutants left on the ground such as oils, trash, and pet waste.

In 1990, the Environmental Protection Agency (EPA) created the Municipal Separate Storm Sewer System (sMS4) Permit Program under the National Pollutant Discharge Elimination System (NPDES) stormwater program (included in the Clean Water Act). The sMS4 Program requires permittees to implement a stormwater management program as a means to control polluted stormwater discharges. The Phase I sMS4 program affected urbanized areas, as defined by the US Census Bureau, with populations of 100,000 or greater. In 1999, EPA expanded the Program to Phase II, which included urbanized areas with populations between 50,000 to 100,000. The current Phase II Permit was issued in 2007, and a new Permit is expected as our population increases. 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). The SWWP currently consists of six program components known as 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 Stormwater Management Program (SWMP). The report was compiled by David Pike, NPDES Compliance Officer, and represents a compilation of materials submitted by appropriate departments and/or divisions:

- Public Works Department, Stormwater Office, David Pike , NPDES Compliance Officer, and Michelle Gutierrez, Project Specialist
- Public Works, Melissa A. McDonald, Parks & Open Space Division Director
- Land Use Department, Dee Beingessner, Drainage Engineer

Supporting staff:

- Streets and Drainage Maintenance Division Director, Thomas Martinez
- Parks and Recreation Department, Melissa A. McDonald, Parks & Open Space Division Director

All materials that support this report are available and posted at the following:

- 2021-2022 MS4 Annual Report: https://www.santafenm.gov/ms4_cooperative
- NMED Stormwater Water Quality Report: https://www.santafenm.gov/ms4_cooperative
- Post Construction LID Guidebook: https://www.santafenm.gov/ms4_cooperative
- GIS Mapped Storm Drain Inlet Maps: https://www.santafenm.gov/river_and_watershed
- Stormwater System Drainage Modeling: https://www.santafenm.gov/river_and_watershed
- NMDOT's Draft NPDES Manual: https://www.santafenm.gov/ms4_cooperative
- CSF Stormwater Management Strategic Plan https://www.santafenm.gov/river_and_watershed

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 Stormwater 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 city-wide stormwater management and compliance can be found in the attached document: 2021-2022 sMS4 Annual Report Summary.

Some highlights of the sections' activities include our rapid response to the issues of homelessness and our continued efforts to keep our waterways free of encampments and potential water quality hazards. In addition, we were able to significantly reduce concerns regarding fire and drought- we managed to heavily thin and clear several arroyos including the Arroyo de los Pinos, Arroyo Mascaras, the Arroyo Saiz, among others to prevent flooding and catastrophic fire. This effort allowed us to work in close coordination with other agencies, our community and other departments to strengthen our local coalition of land managers. In collaboration with the Santa Fe River Commission, we were able to develop an interactive Stormwater Story Map ([found here: santafenm.gov/river and watershed](https://santafenm.gov/river_and_watershed)) for use by the public to better educate themselves on the importance of stormwater management. The City also participated in several live events that helped educate the public on available resources for water conservation, how to participate in community-wide precipitation monitoring, and also hosted the Land and Water Summit fieldtrip where close to 60 attendees traveled to various sites throughout the City to learn more about our green stormwater infrastructure. During this reporting period, we worked with a local non-profit, River Source, to develop a mapping protocol and risk assessment tool for our outlets with direct connectivity to the Santa Fe River channel. Through this effort, we supported our community and sponsored an at-risk teen in leadership and professional development. For additional data & metrics for the City wide stormwater management and compliance program can be found in the attached document 2021-2022 sMS4 Annual Summary Report.

Currently, the City of Santa Fe is working to modernize reporting to increase the City's efficiency by reducing incident response time, tracking and recording reports in real-time, and expanding the mapping capability of our personal to provide much needed updates to our stormwater infrastructure database. These reporting and data collection improvements will provide the City with a multi-functional platform for collecting data, recording site characteristics and performing condition assessments, mapping infrastructure location and performance information and a public interface for reporting and follow-up.

Thank you for your prompt attention.

Cc:

Jason M. Kluck, Land Use Department Director

Shannon W. Jones, 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 MS4 Annual Report form for NMR040000

City of Santa Fe, New Mexico

National Pollutant Discharge Elimination System

Storm Water
Management



Draft

sMS4 Annual Report Summary

Fiscal Year 2021 2022

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Executive Summary

The City of Santa Fe's Stormwater Management Plan (SWMP) outlines the City's program to comply with the Environmental Protection Agency's ("EPA") Phase II mandate to improve stormwater quality in accordance with the Clean Water Act of 1972. This will serve to develop, implement, and enforce a stormwater management plan designed to reduce the discharge of pollutants to the maximum extent possible. The City of Santa Fe believes that educating the community and developing a strong stormwater program 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 limit stormwater runoff by encouraging greater infiltration. 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 that must be specifically addressed within the plan. The city must show measurable goals and improvement in these six minimum control 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 ("BMP's") 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 ultimate goal of improving the quality of stormwater will be documented and reported to the designated Stormwater Manager.

Conclusion

The City of Santa Fe's Stormwater Management Plan incorporates the six minimum control measures, outlined 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 or exceed established goals. Based on available resources the City of Santa Fe continues to reduce pollutants to the maximum extent possible.



Stormwater



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, 2021, to June 30, 2022

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 (Sep 23, 2022 17:54 MDT)

John Blair
City Manager
City of Santa Fe, NM

Sep 23, 2022

Date



Stormwater



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, posting of digital PSAs and targeted trainings for both commercial and residential holdings.

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, and BMP trainings for City staff. Based on the efficacy of these programs, the quality of stormwater runoff should be improved. The ongoing Stormwater Program has continued 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.

Stormwater Activities Planned for Next Reporting Period

- Continue outreach targeting restaurants, automotive repair shops and commercial businesses.
- The Stormwater Program is currently adapting to new Covid-19 protocols and is developing virtual trainings, with current sMS4 requirements, to limit in-person interactions and will continue to develop up-to-date bilingual stormwater digital PSAs

Proposed Changes to the Stormwater Management Program

The comprehensive long-range SWMP is completed, however the Stormwater Management team continues to amend and update the plan as necessary. The plan will continue to satisfy the federal requirements of the newly issued EPA sMS4 permit. The team will continue to engage with the community and plan to increase the number of public trainings and opportunities for engagement.



Stormwater



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.
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 will be developed for the next reporting period, to gauge public knowledge surrounding the City's Stormwater Program. A new educational brochure will be developed 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
Create and post multimedia commercials	Digital PSAs continue to be developed and released through the Stormwater Program and River Commission.
100>IPM brochures given out annually to help ensure proper use of pesticide and lawn chemical flyers distributed and posted at vendor locations	An IPM (Integrated Pest Management) brochure has been created and is currently distributed to local businesses for distribution at the point of sale of related items. A minimum of 100 brochures were distributed.
100% of reported illegal dumping areas documented. Signage posted at locations; areas monitored, and signage maintained	100% of reported areas have been documented. The City's Stormwater Staff continues to monitor, maintain & post new signage in areas of concern reported by City staff and the public. Over 100 signs have been posted and continue to be maintained.
Continued participation in community events to provide the public with City Stormwater Program information	In concert with the River Commission, we were able to renew city-wide efforts to improve water quality through the education and outreach around the proper disposal of pet waste: The City and RC developed a new campaign slogan ("Keep it Clean because We're ALL Downstream") in the hopes to reenergize the public's interest in this topic. A new brochure was developed and over 100 copies were distributed at least 3 events: the Spring Dog Park Cleanup and the City/County Earth Day Celebrations (multiple events over several days). We worked with a product designer to design reusable dog bag dispensers made from recycled bicycle tire inner tubes; we supplied the designer with specific messaging tailored to our program for the product packaging and each dispenser was outfitted with a roll of 50 compostable bags. (150) dispensers have been distributed at various City sponsored events. A proposed "Abandon Shopping Cart Bill" is working through the City's governing body and will be up for public comment on July 27, 2022. If approved and adopted, the bill will probably be finalized in the fall of 2022.
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 on a continual basis. Approximately >50 brochures have been issued for this reporting period. The Water Passport Program- we worked with Water Conservation to develop stormwater specific facts and activities to include in their passport program.



Stormwater



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 regular PSA and social media releases, the development of a Stormwater Story Map has been posted on the City’s website/River Talk Series, 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 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 issues of stormwater; therefore, anecdotal data and qualitative analysis show that the City is continuing to grow public participation and involvement 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 youth group programs and by the ongoing street median maintenance volunteers.

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 previous reporting period. We have a recruitment goal 50 people. This volunteer program will enrich the national weather database and aid 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 releases monthly social media and public service announcements, hosts an educational lecture series, and regularly participates in budget analyses for rain gardens throughout the city, and will soon release the City’s first ever Stormwater Story Map that will provide 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
- Encourage neighborhood HOA’s/Homeowners to partnership with the city in cleanup efforts to remove pollutants from arroyos, acequias and drainages.

Proposed Changes to the Stormwater Management Program



Stormwater



- 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
- Utilize YouthWorks, Inc. to replace damaged "Only Rain in the Drain" curb markers and place new markers on storm drain inlets in new developments
- Utilize Homeowners Associations (HOAs) to help educate their community about illicit discharges, pet waste, litter, household hazardous waste, and general stormwater quality awareness



New Support a Living River Logo



Free Upcycled Bag Dispensers with Educational Packaging



Stormwater



MINIMUM CONTROL MEASURE 2

Public Participation / Involvement

Goal / Task	Status
<p>Annual and long-term Stormwater Program funding through the stormwater utility service charge and in-kind services</p>	<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>This year, the city was awarded \$4.18 million loan from the NMED's Clean Water State Revolving Fund. Funding goes towards stormwater infrastructure projects that help improve water quality and stability of our open channel conveyance systems.</p>
<p>Continue to clean waterways (arroyos, Santa Fe River) and identify types/sources of pollution Note: includes homeless encampments</p>	<p>The River and Watershed Section enters an annual contract with YouthWorks, the Santa Fe Watershed Association and Friends of the Santa Fe River, to clean the City's arroyo system and Santa Fe River. The City maintains approximately 77.34 miles of arroyos; a total of (810.57) tons of silt and sediment, trash, and debris (includes homeless encampments) has been documented and removed.</p> <p>The SFWA results (River and arroyos combined)</p> <ul style="list-style-type: none"> • Total Volunteer Hours: 1,606.5 hrs. • Volunteer in-kind contributions: \$40,853 • 11.09 tons of trash collected (1,479 individual bags).
<p>Document the number of participants volunteering for river and arroyo cleanups from the previous year</p>	<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>An estimated 850 volunteers participated in River and Arroyo cleanup events for the reporting year July 1, 2021, to June 30, 2022</p>
<p>Record the number of drain markers replaced or installed</p>	<p>A total of 75 drain markers were replaced and re-installed for this reporting period. Inlet markers will continue to be placed.</p>
<p>100% of city refuse residents have been provided non-Recyclable covered waste storage bins and containers.</p>	<p>Achieved; 100% of all cities 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>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; 90% of all reported complaints were resolved this reporting period and 10% were left open for follow-up discussion.</p> <p>(3015) total complaints have been documented on the FY 21/22 spreadsheet.</p>



Stormwater



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 a decrease in total number of illicit discharge reports and corrective actions. Reasons for this may include: Covid-19 related to business closures and public reporting.

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
- Continue improvements to Public Reporting of non-stormwater discharges record keeping
- Continue Illicit Discharge education and training
- Continue mapping of City’s stormwater infrastructure

Proposed Changes to the Stormwater Management Program

None currently.

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

None currently.



Siler Yard Complex Illicit Discharge Disconnection



Stormwater



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 Annual and long-term Stormwater Program funding through GO Bond	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.)	In 2013, Smith Engineering completed mapping of all existing outfalls, catch basins, culverts, manholes etc. for appx 60% of the city. Tetra Tech completed the remaining portion and did a condition assessment. However, Phase II of mapping (the Stormwater Pipe System) is still outstanding. Partial funding has been requested and mapping is to be scheduled 2022.
Document discovered illicit sources and disconnections	No Illicit discharge connections were documented this reporting period. Educational brochures were passed-out and 67 door hangers were placed to notify individuals and neighborhoods of illicit discharges and strategies to prevent further violations.
Outfall inspection program ongoing/ document maintenance issues and investigate dry weather flows	A total of (600) outfalls have been recorded 25 % were inspected this reporting period. Only (1) dry weather flow was documented at a 36" diameter outfall in the Arroyo Mascaras along Rosario Boulevard. The source of the one-time flow was not identified. Monitoring continues at this outfall.
Document the number of citizen complaints related to illegal dumping into the city's storm system and the results of actions taken.	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. The city's stormwater staff has documented and responded to over 3000 stormwater related inquires. Approximately 75% of these reported inquires are related to illegal dumping complaints because of homeless encampments.
Continue commercial business inspection program and document findings; follow up on discoveries and record actions taken.	A total of (31) 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	10 trash racks have been installed in the Canada Rincon Arroyo at Camino de las Crucitas. The trash racks were placed on both the upstream and downstream ends of the 5 concrete box culverts (CBCs) that convey stormwater under Camino de las Crucitas. Total project cost: \$120,000.00



Stormwater



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 a decrease in awareness of construction site runoff control due to BMP education and implementation, maintenance, and routine site inspections due to Covid-19 pandemic.

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.

Proposed Changes to the Stormwater Management Program

None currently.

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

None currently.



BMP Construction Entrance



Stormwater



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	4 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: 33 approved with exception, 373 approved, 14 cancelled and 0 disapproved.
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 (373) brochures/flyers were issued to the City's Permit and Development Division and an additional 53 were distributed to contractors by the Stormwater Inspector in the field. 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 (1481) enforcement actions were documented.



Stormwater



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 data 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

None currently.

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

Stormwater Staff plans to take more pro-active approach in monitoring BMPs and tracking those 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.



Porous Concrete Permanent BMP



Open Channel Outfall – BMP – Infiltration Garden



Stormwater



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 Stormwater Office 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 pervious 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 hosted the Land and Water Summit to educate and collaborate on new and existing GFI, over 40 participants took part in the discussions.</p> <p>The River Talks Series, hosted by the City and River Commission, supported a lecture on GSI and toured LID/GI sites. Over 35 participants from the public showed up to the event.</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>



Stormwater



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 Complex Yard has taken addition 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. 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.

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

Proposed Changes to the Stormwater Management Program

None currently.

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

None at this time.



Stormwater



MINIMUM CONTROL MEASURE 6

Pollution Prevention / Good Housekeeping

Goal / Task	Status
<p>A dedicated monthly stormwater utility service charge assessed to homeowners and businesses</p>	<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>Parks & Trails pesticide program ongoing</p>	<p>IPM office initiated 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 draft the NMED Source Water Protection plan documenting existing and potential contamination sites.</p>
<p>List the number of outfalls cleaned and the amount of trash/Unsheltered encampment removed.</p>	<p>We estimate (10) of all outfalls were inspected, prioritized, and maintained. A total of (153.57) tons of trash and debris were removed from outfalls and Homeless encampments.</p>
<p>Document the number of miles of streets cleaned and the amount of trash removed from streets.</p>	<p>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.</p>
<p>List the number of preventative maintenance procedures performed on city owned vehicles.</p>	<p align="center">This reporting period Fleet Management Performed an estimated (809) preventive work order.</p>
<p>Improve BMPs at the Siler Yard Facility to meet the latest stormwater regulations</p>	<p>Per the results of an EPA self-audit, the City of Santa Fe contracted with Weston Solution to provide engineering design services for stormwater management and pollution and prevention at the Siler Yard Facility. Work included the design of a grading and drainage plan, development of long-term BMP specifications and other recommendations for MS4 compliance. Design 100% complete; project closeout date 6/30/2021</p>



Stormwater



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

David Pike Public Works Project Administrator
 Name of Contact Person (First) (Last) (Title)

505-955-2134 dnpike@santafenm.gov
 Telephone (including area code) E-mail

PO Box 909/200 Lincoln Avenue.

Mailing Address

Santa Fe NM 87501
 City State ZIP code

What size population does your MS4(s) serve? 87,000 NPDES number 40,000

What is the reporting period for this report? (mm/dd/yyyy) From July 1, 2021 to June 30, 2022

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.coil	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Santa Fe River Nutrients	Total Nitrogen, Total Phosphorus	<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
		<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	
Santa Fe River	PCP's, Aluminum,	<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
		<input type="checkbox"/> Yes	<input 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

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

Waste Water Over Flows, (E. coli, Chlorine, Ammonia), Pet Waste, 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?

Auto Industry, Food Handling Facilities, IPM Program, Construction Run Off, City of SF Ordinance 2005-3 addresses all pollutants/discharges

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.

Reduce 50% synthetic fertilizer blend with organic compost with organic for landscape installation/maintenance; Removal of all toxic products

- 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 or observed are investigated, 14 day inspections are scheduled.

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

If Yes, based on what criteria?

Sites adjacent to water ways, those requiring more disturbance in acreage

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, (BMP's)

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 a month

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 type="checkbox"/> Yes | <input checked="" 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.

- 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: | <input type="text" value="City of Santa Fe Public Utility Stormwater Fee"/> | Amount \$ | <input type="text"/> | OR % | <input type="text" value="100"/> |
| Source: | <input type="text"/> | Amount \$ | <input type="text"/> | OR % | <input type="text"/> |
| Source: | <input type="text"/> | Amount \$ | <input type="text"/> | OR % | <input type="text"/> |
- 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
NMDOT	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	2010-2022	Triennial	28
E. coli Source Study	2017	Not yet determined	Varied locations

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, PCB's and total recoverable Aluminum) have remained constant in the upper reach of the SF River

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 Santa Fe City Manager Sep 23, 2022
John Blair (Sep 23, 2022 17:54 MDT)
 Name of Certifying Official, Title Date (mm/dd/yyyy)

Signature: *Zoe Isaacson*
zoe isaacson (Sep 23, 2022 11:07 MDT)

Email: zrisaacson@santafenm.gov

Signature: *Melissa McDonald*
Melissa McDonald (Sep 23, 2022 11:09 MDT)

Email: mamcdonald@santafenm.gov