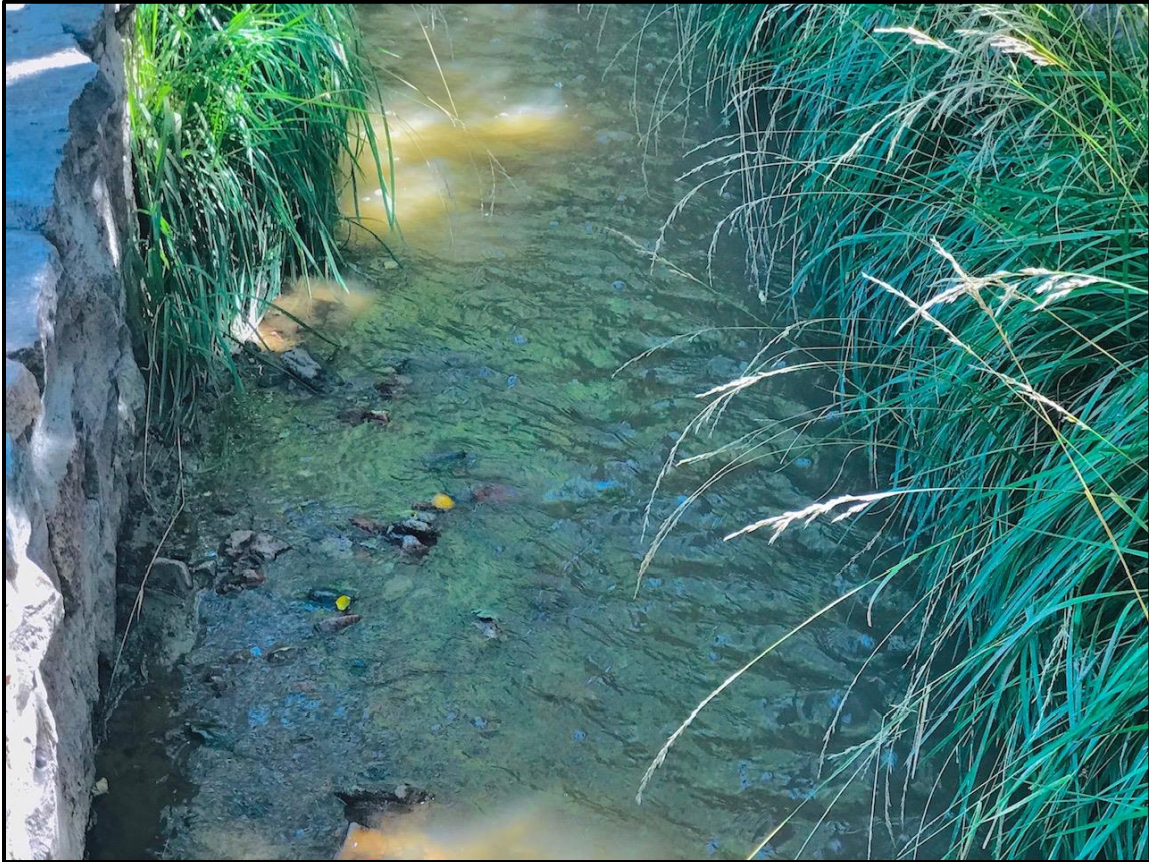


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# FY 2023 MS4 Annual Report

## in Compliance with MS4 Permit NMR040000



*Santa Fe County*  
**DRAFT**

August 9, 2023

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## List of Attachments

Santa Fe County MS4 Jurisdiction Map

## Annual Report Format



### National Pollutant Discharge Elimination System Stormwater Program MS4 Annual Report Form



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

Check box if you are submitting an individual Annual Report with individual program elements ☐

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

#### 1. MS4(s) Information

Santa Fe County

Name of MS4

Leandro

Cordova

Deputy County Manager

Name of Contact Person (First)

(Last)

(Title)

505-995-9517

lcordova@santafecountynm.gov

Telephone (including area code)

E-mail

100 Catron St.

Mailing Address

Santa Fe

NM

87501

City

State

ZIP code

What size population does your MS4(s) serve?

11,000

NPDES number

NMR040000

What is the reporting period for this report? (mm/dd/yyyy)

From

07/01/2022

to

06/30/2023

#### 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 9000.A_061 (Sar	E. coli	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Santa Fe River 9000.A_061 (Sar	Aluminium, Total Recoverable	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Santa Fe River 2110_00 (Cieng	Nutrients	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No
Santa Fe River 2110_00 (Cieng	E. coli	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

**2. B. Continued**

Impaired Water	Impairment	Approved TMDL		TMDL assigns WLA to MS4	
Santa Fe River 9000.A_062 (Guadalupe)	Aluminium, Total Recoverable	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Santa Fe River 9000.A_062 (Guadalupe)	PCBs	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Santa Fe River 9000.A_062 (Guadalupe)	E. coli	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Santa Fe River 2110_02 (Cochiti)	Nutrients	<input type="checkbox"/> Yes	<input checked="" 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?

Sediment; pet waste (E. coli); nutrients; and household waste (nutrients, litter/floatables/potential PCBs).

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 - Not Applicable

**3. Public Education and Public Participation**

A. Is your public education program targeting specific pollutants and sources of those pollutants?

☒ Yes ☐ No

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

Pet waste, trash/debris/floating, and household (including hazardous) waste.

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.

Please refer to the attached memo for a list of Santa Fe County's MS4 related initiatives.

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  $\geq 1$  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.

No set frequency for inspections. Frequency of inspections depending on length of project and as time allows.

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

If Yes, based on what criteria?

- 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?

Most common violations observed are silt fences down, mud being tracked unto roads, and dust control at the site.

- 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?

None - See attached memo.

- 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.

See attached memo.

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

Sustainable Land Development Code: <https://www.santafecountynm.gov/media/files/SLDC%201.20.17.pdf>

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

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

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

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

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

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

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

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

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

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

## 8. Program Resources

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

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

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

Source:  Amount \$  OR %

Source:  Amount \$  OR %

Source:  Amount \$  OR %

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

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

Entity	Activity/Task/Responsibility	Your Oversight/Accountability Mechanism
<input type="text"/>	See attached memo.	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

## 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 & Biological	2010-2020	Triennial	28
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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

Impairments (E. coli, PCBs, and total recoverable Aluminum) have remained constant in the upper reach of the SF River.

## 10. Additional Information

Please attach any additional information on the performance of your MS4 program, including information required in Parts I.C and III.B. If providing clarification to any of the questions on this form, 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



Name of Certifying Official, Title

Date (mm/dd/yyyy)



## Annual Report Annotations

Additional information to support the EPA MS4 form responses is provided below. Only sections requiring additional space or explanation for the EPA MS4 form responses are included.

### 1. MS4 Information

#### Page 1: Contact Information

The MS4 Permit compliance and reporting activities to address the minimum control measures are shared by multiple Santa Fe County departments. Currently, the County's Sustainability Office is working with Bohannon Huston, Inc. (BHI) to set up an improved framework across the County departments related to MS4 Permit compliance and reporting. Below is a summary of the departments involved and their contributions.

#### **Sustainability Office**

Jacqueline Beam, Sustainability Manager

[jybeam@santafecountynm.gov](mailto:jybeam@santafecountynm.gov)

(505) 992-9832

The Sustainability Office has a large role in the public education and outreach on stormwater impacts and public involvement/participation control measures. The office contributed information on its Earth Day events and public education efforts around recycling, water conservation, and other sustainability topics to this report.

#### **Building and Development Services**

John Lovato, Building and Development Supervisor

[ilovato@santafecountynm.gov](mailto:ilovato@santafecountynm.gov)

(505) 986-6228

The County's Growth Management, Building and Development Services department has MS4 responsibilities in the construction site stormwater runoff control and the post-construction stormwater management in new development and redevelopment control measures. This department contributed information to the Annual Report related to inspections, code enforcement activities, and staff trainings.

#### **Planning**

Brett Clavio, Interim Planning Manager

[gbclavio@santafecountynm.gov](mailto:gbclavio@santafecountynm.gov)

(505) 995-2775

The County's Growth Management, Planning Services department has MS4 responsibilities primarily in the post-construction stormwater management in new development and redevelopment control measure. The County's Open Space Parks & Trails stewarded and conserved over 60 miles of trails and two wetland areas throughout the year. This department contributed information to the Annual Report related to relevant County codes and open space activities.

## Public Works

Brian Snyder, Public Works Department Director

[bsnyder@santafecountynm.gov](mailto:bsnyder@santafecountynm.gov)

(505) 992-3023

The County's Public Works department includes multiple functional areas with MS4 responsibilities including road maintenance, management of Capital Improvement Projects, fleet management, open space management, property control, and solid waste & recycling. Public Works has MS4 responsibilities that span all MS4 control measures. The pollution prevention/good housekeeping for municipal operations control measure is one that falls solely within the County's Public Works department. This department contributed information to the Annual Report related to solid waste management, stormwater management along roadways, staff trainings, and other municipal operations.

### Page 1: What size does your MS4 serve?

Santa Fe County is 1,911 square miles and is New Mexico's third most populous county with more than 154,800 residents. Santa Fe County government provides a wide range of public services to residents who live in the City of Santa Fe and the 67,300 residents who live outside the city limits in the unincorporated areas of the County. This population includes residents who live both within and outside of the urbanized area. Approximately 11,000 people are in the unincorporated urbanized area, which defines the MS4 area. This estimate was found using the 2020 US Census, block-level, population data, and the 2010 US Census Urbanized Area boundary data.

## 2. Water Quality Priorities

**Page 1-2: Impaired waters.** Text box in the Environmental Protection Agency (EPA) Annual Report PDF form truncates text.

The New Mexico Environment Department (NMED) Surface Water Quality Bureau 2022-2024 State of New Mexico CWA §303(d)/§305(b) Integrated List & Report was approved by EPA on January 22, 2021. This list was approved after the National Pollution Discharge Elimination System (NPDES) General Permit for Discharges from Small MS4s Permit (NMR040000) went in administrative continuance (June 30, 2012). Previous impairment lists are available on the NMED Surface Water Quality website (<https://www.env.nm.gov/surface-water-quality/303d-305b/>).

Impaired Water*	Impairment	Approved TMDL?	TMDL Assigns WLA for MS4?
Santa Fe River (Guadalupe St. to Nichols Reservoir) NM-9000.A_062	Aluminum, total recoverable	No	N/A
	Polychlorinated Biphenyls (PCBs)	No	N/A
	E. coli	Yes	Yes

Impaired Water*	Impairment	Approved TMDL?	TMDL Assigns WLA for MS4?
Santa Fe River (Santa Fe WWTP to Guadalupe St.) NM-9000.A_061	E. coli  Aluminum, total recoverable	Yes  No	Yes  N/A
Santa Fe River (Cienega Creek to Santa Fe WWTP) NM-2110_00	Nutrients  E. coli	No  Yes  Also, TMDL (but no impairments) for sedimentation/siltation, DO, pH, and chlorine	N/A  Yes  No WLAs for MS4s for sedimentation/siltation, DO, pH, and chlorine
Santa Fe River (Cochiti Pueblo boundary to Cienega Creek) NM-2110_02	Nutrients	No  Also, TMDL (but no impairments) for sedimentation/siltation, DO, and pH	N/A  No WLAs for MS4s for sedimentation/siltation, DO, and pH

\*Impaired water designation from New Mexico Environment Department (NMED) Surface Water Quality Bureau 2022-2024 State of New Mexico CWA §303(d)/§305(b) Integrated List & Report.


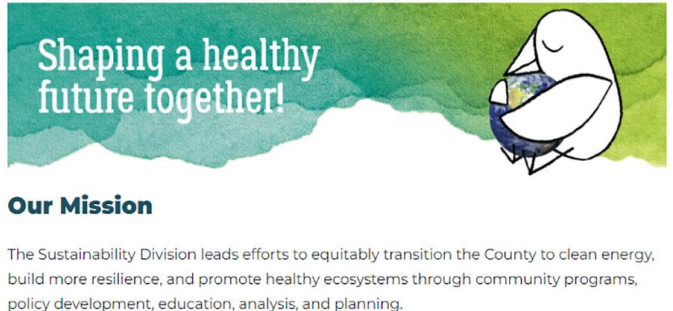
### 3. Public Education and Public Participation

**Page 2: Item 3C. Note specific successful outcome(s) fully or partially attributable to your public education program during this reporting period.**

The table below highlights Santa Fe County's MS4 related initiatives during this reporting period. Additional information on the initiatives is available upon request or from the links provided.

Throughout the reporting period of July 1, 2022, through June 30, 2023, the Santa Fe County MS4 related initiatives connected with and educated thousands of Santa Fe County residents. The outreach numbers for FY 2023 were not significantly impacted by the COVID-19 pandemic and related intermittent social distancing requirements within New Mexico. The outreach activities continue to be impacted by staffing challenges and the County's ongoing efforts during this fiscal year to define outreach responsibilities among the various County departments.

The table below provides a summary of Santa Fe County's MS4 related initiatives for public education and involvement:

Santa Fe County Initiatives	Date	Accomplishments and Additional Information
Santa Fe County Sustainability Office Adopt-a-Road Program	July 1, 2022 - June 30, 2023	<p>Six clean-ups were organized in this reporting period. Participants collected 136 bags of trash during these events. In FY 2023, 20 Adopters cleaned their adopted roadway sections at least twice per year. Santa Fe County Adopt-a-Road Program information, including a map of adopted roads, is available at: <a href="https://sfcomaps.santafecountynm.gov/mapsvc/apps/storymaps/stories/8578582edd324e4cbcccc641ce694b95">https://sfcomaps.santafecountynm.gov/mapsvc/apps/storymaps/stories/8578582edd324e4cbcccc641ce694b95</a></p>  <p>For volunteering: <a href="https://www.santafecountynm.gov/community-development/sustainability/go-green-learn/get-involved">https://www.santafecountynm.gov/community-development/sustainability/go-green-learn/get-involved</a></p>
30x30 Progress Report	July 1, 2022 - June 30, 2023	<p>The 30x30 initiative started in Dec. 2020 with the goal to conserve and restore at least 30% of lands and waters by 2030. In FY 2023, Santa Fe County achieved this goal with 31% of all mapped areas throughout the County now considered protected or conserved for healthy habitat.</p>
Santa Fe County Sustainability Office Website	July 1, 2022 - June 30, 2023	<p>The Santa Fe County sustainability website landing page had over 2,000 views: (<a href="https://www.santafecountynm.gov/community-development/sustainability">https://www.santafecountynm.gov/community-development/sustainability</a>). Sustainability content generally was viewed over 7,600 times.</p>  <p><b>Our Mission</b></p> <p>The Sustainability Division leads efforts to equitably transition the County to clean energy, build more resilience, and promote healthy ecosystems through community programs, policy development, education, analysis, and planning.</p>


Santa Fe County Initiatives	Date	Accomplishments and Additional Information
Santa Fe County Sustainability Office Virtual Newsletters	July 1, 2022 - June 30, 2023	<p>The Sustainability Office distributed monthly virtual newsletter to over 4,400 residents. The newsletter contained information on sustainability topics, including xeriscaping and rainwater harvesting landscapes, composting, recycling, and responsible outdoor recreation.</p> <p>As an example of content, the September 2022 issue, which was a Stormwater Special Issue, included information about stormwater runoff and why it's important to protect the County's waterways: <a href="https://www.santafecountynm.gov/community-development/sustainability/subscribe">September 2022 Sustainability Newsletter (govdelivery.com)</a></p> <p>Past newsletters are posted at: <a href="https://www.santafecountynm.gov/community-development/sustainability/subscribe">https://www.santafecountynm.gov/community-development/sustainability/subscribe</a></p>
Santa Fe County Sustainability Office Reduce, Reuse, Recycle Efforts	July 1, 2022 - June 30, 2023	<p>The Sustainability Office handled over 50 calls related to Reduce, Reuse, Recycle.</p> <p>The Office has initiated and is in the process of distributing free backyard composting systems to 45 residents in the County to help divert food and yard waste from the landfill.</p> <div data-bbox="1003 1108 1208 1352" data-label="Image"> </div> <p><b>Reduce, Reuse, Recycle</b></p>
Santa Fe County Sustainability Office Water Conservation Collaboration	July 1, 2022 - June 30, 2023	<p>The Santa Fe County Sustainability Office continued to collaborate with "Save Water Santa Fe", a City and County cooperative effort focusing on water conservation.</p> <div data-bbox="1010 1646 1192 1772" data-label="Image"> </div> <p><i>Save Water Santa Fe</i></p>


<b>Santa Fe County Initiatives</b>	<b>Date</b>	<b>Accomplishments and Additional Information</b>
Santa Fe County Public Works Department Solid Waste (Trash) and Recycling Efforts	July 1, 2022 - June 30, 2023	<p>The Public Works Department assisted in picking-up roadside trash along County roads and with community clean-up days. The County also owns, operates, and maintains 6 solid waste convenience centers throughout Santa Fe County.</p> <p>The County collected 6,953 tons of refuse and 1,242 tons of recycling at the 6 County solid waste convenience centers in FY 2023.</p> <p>Recycling is mandatory at County convenience centers <a href="https://www.santafeopen.com/search/50.07/ecode360.com">Santa Fe County, NM Search: 50.07 (ecode360.com)</a>. These centers help minimize the litter, debris, and pollutants that reach the County's surface waters.</p>
Santa Fe County Open Space, Trails and Parks Northern New Mexico Master Naturalist Program	July 1, 2022 - June 30, 2023	<p>Santa Fe County Open Space is a partner organization in the Northern New Mexico Master Naturalist Program to train individuals to become stewards of New Mexico's environment, resources, and heritage. Program participants receive classroom instruction and field training where they learn about the ecology and environmental issues facing Northern New Mexico. Participants then complete volunteer hours with one of the program's partner organizations. Since 2017, over 140 people have completed the Master Naturalist program, and 43 of them have chosen to volunteer with Santa Fe County Open Space.</p>
Santa Fe County Open Space, Trails and Parks Pet Waste Stations Maintenance	July 1, 2022 - June 30, 2023	<p>Santa Fe County Open Space continued to maintain 15 dog waste stations and related signage throughout the county.</p>
Santa Fe County Open Space, Trails and Parks La Cieneguilla Open Space	July 1, 2022 - June 30, 2023	<p>Santa Fe County Open Space conducted maintenance and monitoring at La Cieneguilla Open Space, particularly to monitor and manage beaver activity.</p>
Xerces Society for Invertebrate Conservation Collaboration	July 1, 2022 - June 30, 2023	<p>The Xerces Society often provides free consultation and volunteers for County programs. The Xerces Society accomplished the following in FY 2023 within the County:</p> <ul style="list-style-type: none"> <li>• Created approximately 2 acres of healthy habitat across 189 properties.</li> <li>• Provided 8,350 plants for pollination and planting in residential and public space properties.</li> </ul>




Santa Fe County Initiatives	Date	Accomplishments and Additional Information
Santa Fe Watershed Association Collaboration	July 1, 2022 - June 30, 2023	<p>The County works and contracts with the Santa Fe Watershed Association in a number of efforts involving watershed/freshed health. The Santa Fe Watershed Association accomplished the following in FY 2023:</p> <ul style="list-style-type: none"> <li>• Completed the East Alameda rain garden and Zuni bowl.</li> <li>• Completed a watershed stakeholder priority assessment and report.</li> <li>• Over 800 5th grade students from 19 schools participated in My Water, My Watershed field trip.</li> <li>• Collected and removed over 15 tons of trash from Santa Fe waterways.</li> <li>• Supported planting of willows and cottonwoods between Frenchy's Field and Siler Road (Rio Grande Return has planted over 20,000 stems and poles).</li> <li>• Continued to facilitate and support the bi-monthly Santa Fe River Traditional Communities Collaborative and facilitate lower river mitigation conversations.</li> <li>• Facilitates quarterly meetings of municipal watershed plan signatories.</li> <li>• Participated as co-chair of the Greater Santa Fe Freshed Coalition and will become chair in January.</li> </ul>
Board of County Commissioners (BCC) Voted on Participating in the Monsanto Settlement	July 12, 2022	<p>The BCC voted on participating in the Monsanto Settlement (Monsanto Class Action Settlement, City of Long Beach, et. al. v. Monsanto Company, et. al., Case No. 2:16-cv-03439-FMO-AS, United States District Court, Central District of California – Western Division). The Class action suit argued that Monsanto's past manufacture and supply of PCBs continue to cause negative impacts on ecosystems, subsequently contaminating the waterways and resulting in necessary costly treatments to remove the chemicals. PCBs were used in numerous products, such as paint and ink, hydraulic fluids, transformers, and plastics and industrial equipment, until they were outlawed by Congress in 1979. Due to their persistence in the environment, PCBs continue to contaminate stormwater. The class settlement will be divided among all settlement class members, which</p>

<b>Santa Fe County Initiatives</b>	<b>Date</b>	<b>Accomplishments and Additional Information</b>
		number over 2,500 across the nation and include Santa Fe County. BCC vote: <a href="http://go.boarddocs.com/nm/sfc/Board.nsf/goto?open&amp;id=CETRKM6CC2D3">http://go.boarddocs.com/nm/sfc/Board.nsf/goto?open&amp;id=CETRKM6CC2D3</a> .
Santa Fe County Sustainability Office Hosted Nature Based Climate Solution Workshops	July 26 - 27, August 2, 2022	These workshop focused on planning for nature-based climate solutions in Santa Fe County and identification of priority areas.
Santa Fe County Sustainability Office Staff Attended Master Naturalist Trainings	August - November 2022	Staff participated in Master Naturalist meetings and field trips.
Santa Fe County Sustainability Office Presented the MS4 FY 21 Annual Report and Stormwater Overview to the Board of County Commissioners (BCC)	August 30, 2022	Information on MS4 requirements were presented to the BCC.
Santa Fe County Sustainability Office River Presentation with the City of Santa Fe and the New Mexico Department of Transportation	September 13, 2022	A presentation on the Santa Fe River was made at the Camino del Bosque.
Santa Fe County Sustainability Office Radio Interview with Save Water Santa Fe	September 21, 2022	The Sustainability team participated in a career day held at El Camino Real at 2500 S. Meadows in Santa Fe.
Santa Fe County Sustainability Office Participated in Career Day at El Camino Real	October 13, 2022	Michelle Hunter, County Water Resource Manager, discussed efforts focused on water conservation. <a href="http://www.kswvradio.com">Save Water Santa Fe   KSWV (kswvradio.com)</a>
Santa Fe County Sustainability Office Led the Development of the Nature-based Climate Solutions Report	November 2, 2022	This report, prepared by Nature-based Climate Solutions, includes a summary of key findings from Sustainability Office staff engagement workshops on nature-based climate solutions. The report highlights 3 potential focus areas in Santa Fe County: 1. Protect and Restore Biodiversity, 2. Capture and Infiltrate Runoff, and 3. Build Healthy Soils. Findings from this report and a follow-up report prepared by Environmental Management and Planning Solutions Inc. will inform the incorporation of nature-based solutions into the County's climate plan.

Santa Fe County Initiatives	Date	Accomplishments and Additional Information
Board of County Commissioners (BCC) Approves Resolution 2022-105, Authorizing Santa Fe County Free Tire Disposal Day	November 29, 2022	This resolution applies the County's Recycling and Illegal Dumping (RAID) grant funds from the State towards hosting a free tire disposal day (held on April 15, 2023) to encourage proper recycling of tires.
New Adopt-a-Road Map Published	February 1, 2023	The map highlights adopted roads, provides a means to track clean ups, and helps new adopters identify available roads. <a href="https://santafecountynm.gov">Santa Fe County Adopt-a-Road Program (santafecountynm.gov)</a>
2023 Land and Water Summit	March 2 - 3, 2023	<p>The County sponsored and attended this summit, which had an emphasis on Green Stormwater Infrastructure/Low Impact Development and how collaboration is the key to a sustainable future.</p> 
Reorganization of Santa Fe County Sustainability Office Website	March 7, 2023	Website, <a href="https://santafecountynm.gov">Sustainability   Santa Fe County (santafecountynm.gov)</a> , was reorganized to make items easier to find; it includes resources on County projects and programs, as well as actions residents can take to conserve water, reduce waste, save energy, and protect nature.
Santa Fe County Launches Collaboration with Reunity Resources	March 13, 2023 (approximate date)	<p>The County's backyard composting program launches in collaboration with Reunity Resources. Residents who use County convenience centers may apply to receive a free backyard composting system with instruction on how to use it. The goal of this program is to divert organic matter from the landfill and to improve soil health. The program was covered in the Santa Fe New Mexican:</p> <p><a href="https://www.santafenewmexican.com/news/local_news/santa-fe-county-extends-program-to-grow-home-composting/article_94317130-c773-11ed-bc59-9f78a4ca5ae8.html">https://www.santafenewmexican.com/news/local_news/santa-fe-county-extends-program-to-grow-home-composting/article_94317130-c773-11ed-bc59-9f78a4ca5ae8.html</a></p>

Santa Fe County Initiatives	Date	Accomplishments and Additional Information
Podcast on 30x30 Initiative with City Climate Corner	March 21, 2023	<p>Santa Fe County Sustainability Manager, Jacqueline Beam, provided an update on 30x30, along with how the resolution happened, what it means, and how it is being implemented. <a href="#">Santa Fe County, NM: Conserve 30% by 2030   City Climate Corner</a></p>
Santa Fe County Sustainability Office Receives an EnviroScape Watershed Model	March 22, 2023	<p>The model will be used at public events to educate community members on sources of stormwater pollution and best management practices. County staff in Growth Management and Sustainability learned to use the model.</p> 
Board of County Commissioners (BCC) Passed Resolution 2023-34, Authorizing Free Solid Waste Days and Free Green Waste Days	March 28, 2023	<p>Resolution 2023-34, authorizes several free solid waste days and free green waste days at convenience centers. In support of the Great American Cleanup, the Santa Fe County BCC has approved Resolution 2023-34, allowing free solid waste and green disposal days for 2023. Beginning Saturday, April 15, 2023, Santa Fe County will grant free green and solid waste drop off for all permit punch holders. Garbage bags, safety vests, and gloves are available at no-charge to facilitate community and neighborhood litter collection activities.</p>
Santa Fe County Free Tire Recycling Event	April 15, 2023	<p>The County hosted this event sponsored by a grant from the State of NM Recycling and Illegal Dumping (RAID) Fund.</p>

Santa Fe County Initiatives	Date	Accomplishments and Additional Information
<p>Santa Fe Solid Waste Management Agency (SFSWMA) Free Residential Solid Waste and Green Waste Disposal Day</p>	<p>April 15, 2023</p>	<p>SFSWMA provided free residential solid waste and green waste disposal at County convenience centers to support and encourage participation in the Great American Cleanup - Keep America Beautiful.</p> 
<p>Santa Fe County Earth Day 2023</p>	<p>April 22, 2023</p>	<p>The Sustainability Office celebrated Earth Day with events including rainwater harvesting techniques, rain garden creation, gardening tips, and sustainability initiatives.</p> 
<p>The City Summit – ICLEI, Cities Summit of America</p>	<p>End of April 2023</p>	<p>The Summit, held in Denver, focused on sustainable design and urban developments. Sustainability staff, along with Commissioner Hansen of District 2, were honored to represent Santa Fe County in the <a href="#">Cities Summit of the Americas</a>. The agenda highlighted sustainability and equity concerns, economic development, as well as solutions found within the many diverse cultures and the tying binds of the concerns humanity as a whole share: dedication to fostering healthy ecosystems and conservation of natural resources, for equitable life and a thriving planet.</p> 

Santa Fe County Initiatives	Date	Accomplishments and Additional Information
The Sustainability Office and Seeds of Wisdom Installed Rain Gardens at the County Fairgrounds	June 2023	The Sustainability Office Supported the installation of two large scale raingardens (approximately 300 sq. ft.) and planted approximately 20 plants and trees at a key location to capture and polish runoff from rooftops and parking areas.
2023 Next Generation Water Summit	June 15-16, 2023	 <p>The County sponsored and attended this summit. The theme of this year's summit was "Water Reuse and Conservation: The New Paradigm". It brought together the building and development community, water reuse professionals, and water policymakers in a collaborative setting to share best practices and to learn about innovative water conservation and water reuse techniques that can be used to comply with water conservation restrictions spreading across the southwest.</p>

## 5. Illicit Discharge Elimination

**Page 3: Items 5A, 5B, and 5C.**

**Outfall and storm sewer mapping.** 5A and 5B are both "Yes" or "No" checkbox responses on the EPA Annual Report form.

Additional explanation: The 2013 Stormwater Management Program (SWMP) Plan stated that "Santa Fe County has limited storm drain outfalls discharging into intermittent and ephemeral water courses ("arroyos"), with potential access to the waters of the United States." and that "Storm drain outfalls are privately owned and operated; the County has neither public storm drain system nor public storm drain facilities." The SWMP committed that as public systems are constructed through implementation of the County's Capital Improvement Program, these systems will be required to be designed, constructed, and maintained in a manner consistent with NPDES criterion by the Public Works department. The Sustainable Growth Management Plan, adopted by Resolutions 2010-210 and 2010-225, provides a plan of approach for the development of public stormwater conveyance systems to augment sustainability and reduce stormwater pollution.



Santa Fe County's GIS department has mapped the MS4/Urbanized Areas for the County. This County MS4 jurisdiction map is attached to this Annual Report for reference. To improve the County's MS4 Permit compliance, Santa Fe County contracted BHI in 2022 to support MS4 Permit compliance and reporting activities. BHI was tasked to assist the County with developing a map of the County stormwater outfalls and stormwater conveyance systems. BHI found, as the original SWMP identifies, that the County does not have a storm drain system, a stormwater conveyance system, or specific stormwater outfalls points. Analysis in FY 2022 and FY 2023 identified priority County stormwater management areas, including roadways, trails, parks, and facilities that are located near the Santa Fe River and Cienga Creek, where stormwater runoff from County maintained roadways/trails may have an impact on surface waters. The priority stormwater management areas and pollutants of concern are currently under review by County departments and will be summarized in the FY 2024 MS4 Annual Report.

### **Page 3: Items 5D, 5E, 5F, and 5G.**

**Outfall dry weather screening.** Additional explanation: Santa Fe County has not identified specific outfalls points, as explained above. Analysis in FY 2022 and FY 2023 identified priority County stormwater management areas, including roadways, trails, parks, and facilities that are located near the Santa Fe River and Cienga Creek, where stormwater runoff from County maintained roadways/trails may have an impact on surface waters. Many of these priority stormwater management areas, along with other County owned areas, were visited on February 24, 2023, with BHI and County staff. During the February 24, 2023 site visits, there were no dry weather discharges identified at the County facilities.

To improve the County's MS4 Permit compliance, Santa Fe County contracted BHI in 2022 to support MS4 Permit compliance and reporting activities, which includes a task that will complete a dry weather screening of priority County stormwater management areas. This task will continue to move the County toward compliance with the requirements in 5D, 5E, 5F, and 5G, and will be completed in FY 2024.

### **Page 3: Items 5J and 5K.**

**Number of illicit discharges discovers and eliminated.** Additional explanation: In FY 2023, two (2) illicit discharges were discovered. One (1) discharge was wastewater that discharged a few hundred feet from a County system manhole into a County wastewater pond at the wastewater treatment plant. The discharge was completely contained within the pond. This incident was properly addressed, mitigated, and did not impact any surface waters. The second incident is an on-going, fluctuating issue with intermittent E. coli releases that exceed NPDES discharge standards released from the City of Santa Fe wastewater treatment plant effluent into the Santa Fe River, which impacts downstream County owned property. The County is aware of the situation and has been in communication with the City regarding the elevated E. coli releases. The City has notified all County residents of the E. coli releases. The City of Santa Fe has not yet provided a remedy to this intermittent illicit discharge from the wastewater treatment plant.

**Page 4: Item 5L. How often do municipal employees receive training on the illicit discharge program?** Text box in the EPA Annual Report PDF form does not allow enough space to enter complete response. The complete response to summarize the related staff trainings that support understanding of potential illicit discharges:

For FY 2023 (July 1, 2022 – June 30, 2023), the County provided relevant staff trainings as follows:

- New staff were trained on proper recycling and general sustainability during New Employee Orientation (15 orientations during FY 2023).
- 15 staff completed Global Safety Data Sheets (SDS) and Hazardous Communication Standards training.
- The County's Growth Management Department, Planning Services Division staff regularly trains staff using the Certified Stormwater Inspectors (CSI) National Stormwater Center training.

**Additional projects to highlight related to Santa Fe County projects to reduce and eliminate on-site sewage disposal systems (septic system and cesspools) within the MS4/Urbanized Area:** In the Agua Fria area of Santa Fe County, which is within the MS4/Urbanized Area, the County Public Works department has been leading a multi-million dollar water/wastewater infrastructure expansion project to remove septic systems and cesspools within this area and to connect this area to a wastewater system. This project will improve stormwater and surface water quality by reducing the potential leaks and overflows from aging and non-functional septic systems and cesspools.

## **6. Stormwater Management for Municipal Operations**

**Page 4: Item 6G. Do all municipal employees and contractors overseeing planning and implementation of stormwater-related activities receive comprehensive training on stormwater management? If so, how frequently and/or under what circumstances?** Text box in the EPA Annual Report PDF form does not allow enough space to enter complete response. Complete response:

For FY 2023 (July 1, 2022 - June 30, 2023), the County provided relevant staff trainings as follows:

- New staff were trained on proper recycling and general sustainability during New Employee Orientation (15 orientations during FY 2023).
- The County's Growth Management Department, Planning Services Division staff regularly trains staff using the Certified Stormwater Inspectors (CSI) National Stormwater Center training. The County Floodplain manager is a certified floodplain administrator and obtains training 2-3 times per year on a variety of stormwater management and floodwater management topics.

- The County's Growth Management Department, Planning Services Division had a staff member attend several stormwater and watershed management related trainings in FY 2023, including a Post-Fire Restoration workshop with the New Mexico Healthy Soils Working Group, an Erosion Control workshop with Quivira Coalition, and a Land Health and History workshop with Quivira Coalition and Flowering Tree Permaculture Institute.
- 2 staff received training on installing "lagunitas" or a mulch "sponge" to harvest rainwater for newly planted trees.
- 3 staff attended the Land and Water Summit and 4 staff attended the Next Generation Summit.

## 8. Program Resources

### Page 5: Item 8A. What was the annual expenditure to implement MS4 Permit requirements this reporting period?

As explained in Section 1, MS4 Information, multiple County departments share responsibilities and expenses related to MS4 Permit compliance and reporting. Below is a summary of the department's expenditures and contributions to implement MS4 Permit requirements for FY 2023.

County Department	Summary of Activities/Tasks/Responsibilities	FY 2023 Expenditure
Sustainability Office	Education and outreach efforts around recycling, water conservation, and sustainability topics; Adopt-A-Road program; Earth Day events and outreach efforts; backyard composting program; Next Generation Water Summit sponsorship; sustainability professional society memberships; and percent FTEs to support MS4 requirements.	\$243,200
Planning and Building and Development Services	SWPPP compliance training costs and percent FTEs to support MS4 requirements, including: development plan reviews, SWPPP reviews, code enforcement inspections, and cistern inspections.	\$28,000
Public Works	Solid waste community cleanup efforts; erosion control and culvert cleaning and maintenance efforts; roadway trash and debris cleanup efforts; and percent FTEs to support MS4 requirements.	\$5,173,500
<b>Total Estimated MS4 Related Expenditures for FY 2023</b>		<b>\$5,444,700</b>

**Page 6: Item 8D. How many FTEs does your municipality devote to the stormwater program (specifically for implementing the stormwater program; not municipal employees with other primary responsibilities)?** Text box in the EPA Annual Report PDF form does not allow enough space to enter complete response.

Complete response: Santa Fe County does not currently have any full-time employees (FTEs) devoted to the stormwater program related specifically to MS4 Permit compliance. In FY 2023, the BCC approved a position for an Environmental Compliance Officer and this position will be advertised in FY 2024. This new position will include MS4 Permit compliance and reporting responsibilities. During FY 2023, the County had multiple employees, across the various departments (Sustainability Office, Growth Management - Building and Development Services, Growth Management - Planning, and Public Works) with MS4 Permit compliance and reporting related responsibilities, typically in the range of 5- to 15 percent of their primary responsibilities. In addition, Santa Fe County contracted BHI in 2022 to supplement County staff and to support MS4 Permit compliance and reporting activities.

**Page 6: Item 8E. Do you share program implementation responsibilities with any other entities?** Text box in the EPA Annual Report PDF form does not allow enough space to enter complete response. Complete response:

Entities	Activity/Task/Responsibility	Your Oversight/ Accountability Mechanism
City of Santa Fe Santa Fe County NMDOT-District 5	Santa Fe Stormwater MS4 Advisory Group	Memorandum of Agreement
City of Santa Fe Santa Fe County	"Save Water Santa Fe", a City and County cooperative effort	--

## 9. Evaluating/Measuring Progress

**Page 6: Item 9.** Santa Fe County currently relies on monitoring and reporting completed by NMED. In FY 2023, NMED's Surface Water Quality Bureau (SWQB) began a Santa Fe River Microbial Source Tracking (MST) Special Project - <https://www.env.nm.gov/surface-water-quality/wp-content/uploads/sites/18/2023/04/2023-Santa-Fe-River-MST-FSP-Final.pdf>. The SWQB will investigate the sources of nutrient and fecal contamination in the Santa Fe River. The SWQB will collect MST and E. coli samples for analysis at three to five established SWQB monitoring sites along the Santa Fe River within the City of Santa Fe. The County will review the results from this project, once available, to determine if the results are applicable to and useful for the County's MS4 program.

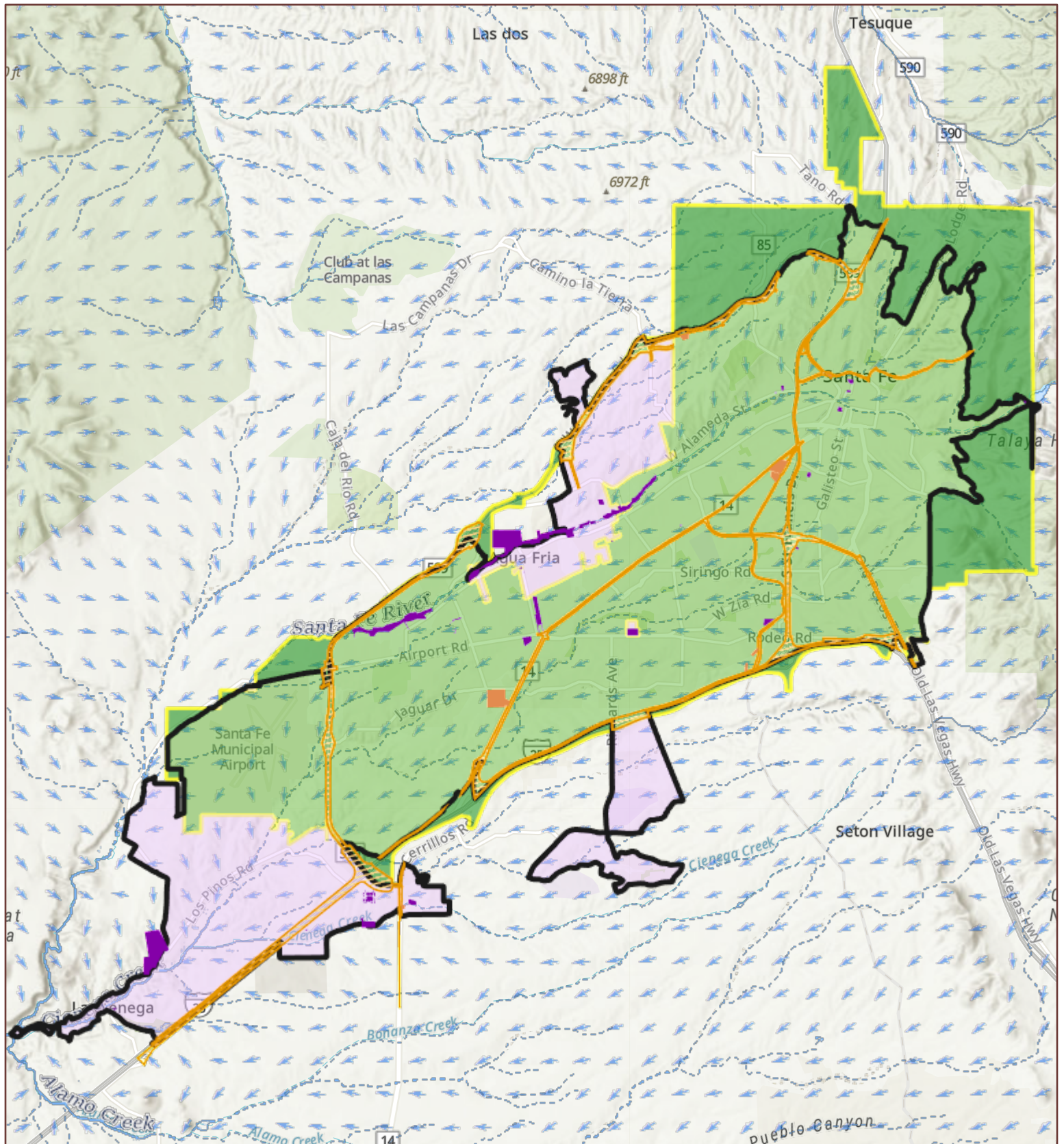
To improve the County's MS4 Permit compliance, Santa Fe County contracted BHI in 2022 to support MS4 Permit compliance and reporting activities which includes several tasks that will contribute to an updated stormwater management program. These tasks will assist the County in developing a framework for improved MS4 compliance where program indicators and overall effectiveness of the stormwater management program can begin to be evaluated.

## **10. Additional Information**

**Page 6: Item 10.** Santa Fe County's Stormwater Management Program (SWMP) Plan was updated in 2013. It is accessible online at: [https://www.santafecountynm.gov/userfiles/SFC\\_MS4\\_Rev3-28-2013.pdf](https://www.santafecountynm.gov/userfiles/SFC_MS4_Rev3-28-2013.pdf) or available for review upon request. The current SWMP version is Revision 3, March 2013. In FY 2023, Santa Fe County has been working on updating the SWMP and expects that this will be finalized in FY 2024.

For reference, please find attached to this Annual Report the current County MS4 jurisdiction map.





- MS<sub>4</sub>
- NMDOTMS<sub>4</sub>
- Jurisdiction (NMDOT parcels 2021)
- NM Department of Transportation ROW (2016)
- County MS<sub>4</sub> Jurisdiction (County owned parcels 2021)
- Census 2021 Urbanized Area
- City of Santa Fe MS<sub>4</sub> Jurisdiction (Outside of the 2021 Urbanized Area)
- City of Santa Fe Jurisdiction
- Vector Flow/Aspect (2014 LiDAR)



**SANTA FE COUNTY**

Scale: 1:144,448

1 inch equals 2.28 miles



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Spatial Reference: WGS 1984 Web Mercator Auxiliary Sphere  
Note, the Web Mercator projection preserves direction and shape, but distorts distance and area. This information is for reference only. Santa Fe County assumes no liability for errors associated with the use of these data. Users are solely responsible for confirming data accuracy.