New Mexico Department of Transportation DISTRICT 5 – Farmington

FY 2024 MS4 Annual Report

DRAFT

Reporting Period: July 1, 2023 - June 30, 2024





Prepared by:

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Annual Report Format



National Pollutant Discharge Elimination System Stormwater Program MS4 Annual Report Format



Check box if you are submitting an elements.	individual Annual Report with one o	r more coop	erative pro	ogram 🛚	
Check box if you are submitting an	individual Annual Report with indivi	idual progra	m element	ts only.	
Check box if this is a new name, ad	dress, etc.				
1. MS4(s) Information					
New Mexico Department of Trans	portation - District 5 - Farmington U	A			
Name of MS4					
Rhonda	Lopez		Distric	t 5 Engineer	
Name of Contact Person (First)	(Last)		(Title)		
505-795-0533	Rhonda.Lopez@dot.nm	.gov]		
Telephone (including area code)	E-mail		_		
Po Box 4127					
Mailing Address					
Santa Fe	NM		87505		
City	State		ZIP cod	de	
What size population does your MS	4(s) serve? 61,505	NPDES	number	NMR04F004	
What is the reporting period for this	report? (mm/dd/yyyy) From 0	7/01/2023	to	06/30/2024	
2. Water Quality Priorities A Does your MS4(s) dischar	ge to waters listed as impaired on a st	tate 303(d) 1	ist? N	⊠ Yes □ N	0
B. If yes, identify each impair	red water, the impairment, whether a s a wasteload allocation to your MS4	TMDL has	been appro	oved by EPA for	each, and
Impaired Water	Impairment	Approved	l TMDL	TMDL assigns	WLA to MS4
NM-2401_10 San Juan (Navajo	E. coli (Fecal Coliform)	X Yes	☐ No	Yes	⊠ No
NM-2401_10 San Juan (Navajo	Sedimentation/Siltation, Turbic	Yes	No No	Yes	☐ No
NM-2401_00 San Juan (Animas	E. coli, Sedimentation/Siltation	X Yes	☐ No	Yes	⊠ No
NM-2403 A 00 Animas River (S	Nutrients	X Yes	☐ No	Yes Yes	⊠ No

2. B. Continued Impaired Water		Impairment	Approved	TMDL TN	MDL assigns	WLA to MS4	
NM-2403.A_00 Animas River (S		E. coli, Temperature	∑ Yes	□ No	× Yes	☐ No	
			Yes	☐ No	☐ Yes	☐ No	
☐ Yes ☐ No						☐ No	
			Yes	☐ No	Yes	☐ No	
C.	What specific sources cont	ributing to the impairment(s) are you	u targeting in	your stormw	ater program	?	
		rget collection, removal, and dispo uirements targets sedimentation c				ediment.	
D.	Do you discharge to any his resource waters, or other sta	gh-quality waters (e.g., Tier 2, Tier 3 ate or federal designation)?	3, outstanding	g natural	☐ Yes	⊠ No	
E.	Are you implementing addi	itional specific provisions to ensure	their continue	ed integrity?	Yes	☐ No	
	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?						
NMDOT brochures, educational displays, and outreach programs address litter, household hazardous waste, illicit							
discha	discharges, pet waste, and general stormwater quality awareness.						
С.	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.						
NMDOT's Adopt-a-highway litter removal program continued in FY 2024 and volunteers assisted with litter and debris removal from NMDOT roadways within District 5 during this reporting period.							
D.	D. Do you have an advisory committee or other body comprised of the public and other Yes No stakeholders that provides regular input on your stormwater program?						
4. A.	Construction Do you have an ordinance	or other regulatory mechanism stipu	lating:				
	Erosion and sediment contr	rol requirements?			X Yes	☐ No	
	Other construction waste co	ontrol requirements?			Yes Yes	☐ No	
	Requirement to submit con	struction plans for review?			X Yes	☐ No	
	MS4 enforcement authority	y?			X Yes	☐ No	
В.	Do you have written proceed	dures for:					
	Reviewing construction pla	ans?			X Yes	☐ No	
	Performing inspections?				X Yes	☐ No	
	Responding to violations?				X Yes	☐ No	
C.	 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 iden	ntified in 4.C did you inspect during	this reporting	g period?	All		
E.	Describe, on average, the f	requency with which your program	conducts con	struction site	inspections.		
Allpr	All projects within NMDOT right-of-way are inspected per the Construction General Permit (CGP) requirements						

	F.	Do you prioritize certain construct	on sites for more frequent inspections?	☐ Yes	⊠ No			
		If Yes, based on what criteria?						
	G.		bes of enforcement actions you used during the reporting tions, or note those for which you do not have authoric		construction			
		Yes Notice of violation	0 No Authority					
		Yes Administrative fines	0 No Authority					
		Yes Stop Work Orders	0 No Authority					
		Yes Civil penalties	0 No Authority 🖂					
		Yes Criminal actions	0 No Authority 🖂					
		Yes Administrative orders	0 No Authority 🖂					
		Yes Other						
	Н.		GIS, data base, spreadsheet) to track the locations, actions of active construction sites in your	X Yes	☐ No			
	I.	What are the 3 most common types	of violations documented during this reporting period	?				
Т	Typically NMDOT projects will have minor comments to contractors regarding BMPs, but nothing that has resulted in a							
1 1	•		ty to enforce deficiencies through contract documen	-				
	J.	How often do municipal employee	receive training on the construction program?	ce per 4 yea	rs			
5.	A.	Illicit Discharge Elimination Have you completed a map of all o system?	utfalls and receiving waters of your storm sewer	⊠ Yes	□ No			
	В.	Have you completed a map of all s sewer system?	form drain pipes and other conveyances in the storm	Yes	⊠ No			
	C.	Identify the number of outfalls in y	our storm sewer system. 16					
	D.	Do you have documented procedure	es, including frequency, for screening outfalls?	X Yes	☐ No			
	E.	E. Of the outfalls identified in 5.C, how many were screened for dry weather discharges during this reporting period?						
	N	one						
	F.	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	ng outfalls for illicit discharges? Describe any variatio	n based on s	ize/type.			
O	utfal	ls are screened a minimum of once	per Permit term.					
_	Н.	Do you have an ordinance or other discharges?	regulatory mechanism that effectively prohibits illicit	Yes	⊠ No			
	I.		regulatory mechanism that provides authority for you	☐ 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? N/A					
	L.	How o	often do municipal employees receive training on the illicit discharge program?	See Additional I	Explanatio		
6.	A.	Storm Have					
	All public parks, ball fields, other recreational facilities and other open spaces				⊠ No		
	Al	l munic	Yes	⊠ No			
	Al	l munic	Yes	⊠ No			
	Al	l munic	ipal vehicle fueling, operation and maintenance activities	Yes	⊠ No		
	Al	l munic	ipal maintenance yards	☐ Yes	⊠ No		
	Al	l munic	ipal waste handling and disposal areas	Yes	⊠ No		
	Ot	her					
	B.	Are st	ormwater inspections conducted at these facilities?				
	C.	If Yes	, at what frequency are inspections conducted?				
	D.		etivities for which operating procedures or management practices specific to storm leveloped (e.g., road repairs, catch basin cleaning).	water managemer	nt have		
		sweep	ing, litter pickup, catch basin cleaning, culvert cleaning, scour repair, and water	quality structure			
	E.	inspec	u prioritize certain municipal activities and/or facilities for more frequent tion?	Yes	No No		
	F.	If Yes	, which activities and/or facilities receive most frequent inspections?				
	G.		municipal employees and contractors overseeing planning and implementation of vater-related activities receive comprehensive training on stormwater management	? Yes	☐ No		
	Н.		do you also provide regular updates and refreshers?	∑ Yes	☐ No		
	I.	•	now frequently and/or under what circumstances?	_	_		
Or	ngoi	ng, as r	needed.				
7.	A.		term (Post-Construction) Stormwater Measures u have an ordinance or other regulatory mechanism to require:				
		•	reviews for stormwater/water quality of all new and re-development projects?	⊠ Yes	☐ No		
		•	n operation and maintenance of stormwater management controls?	∑ Yes	☐ No		
			ng to incorporate long-term stormwater management controls?	— ⊠ Yes	— □ No		
	В.	If you	have retrofit requirements, what are the circumstances/criteria?		_ _		
			eview STIP projects for opportunities to retrofit and incorporate appropriate cor nt projects. NMDOT will not develop an inventory or priority ranking of potentia				
	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.)?						
		T will r	eview STIP projects for opportunities to retrofit and incorporate appropriate cor				

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.	E. Do these performance or design standards require that pre-development hydrology be met for:						
Flo	ow volumes	☐ Yes ⊠ No					
Pea	ak discharge rates	⊠ Yes □ No					
Dis	scharge frequency	☐ Yes ⊠ No					
Flo	ow duration	☐ Yes No					
F.	Please provide the URL/reference where all post-construction stormwater management standard	ds can be found.					
ht	tps://dot.state.nm.us/content/dam/nmdot/Infrastructure/Drain_Design_Manual.pdf						
G.	How many development and redevelopment project plans were reviewed during the reporting p	period to assess					
	impacts to water quality and receiving stream protection?						
Н.	How many of the plans identified in 7.G were approved?						
I.	How many privately owned permanent stormwater management practices/facilities were inspec	eted during the					
	reporting period? N/A						
J.	How many of the practices/facilities identified in I were found to have inadequate maintenance	? N/A					
K.	How long do you give operators to remedy any operation and maintenance deficiencies identified	ed during					
	inspections? N/A, NMDOT is the only oper						
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?	e per 4 years					
A.	Program Resources What was the annual expenditure to implement MS4 permit requirements this reporting period?	\$583,400					
B.	What is next year's budget for implementing the requirements of your MS4 NPDES permit?	\$584,000					
C.	This year what is/are your source(s) of funding for the stormwater program, and annual revenue percentage) derived from each?	e (amount or					
	Source: DOT Budget Amount \$	OR % 100					
	Source: Amount \$] OR %					
	Source: Amount \$	OR %					
D.	How many FTEs does your municipality devote to the stormwater program (specifically for im	plementing the					
	stormwater program; not municipal employees with other primary responsibilities)?						

8.

Enti	1 0	ram implementation re Activity/Task/Rea	•	Your Oversight/Accountable	☐ No pility Mechanism
		Refer to Item 10 Addit	tional		
		Information Memo, Ite	em 8E		
A. What have you practices indices, i	nt indicators do been tracking or tasks, but l	them, and at what free arge-scale or long-term fective impervious cov	quency? These are not netrics for the overa	s of your stormwater managemer measurable goals for individual ll program, such as macroinverte dicators of in-stream hydrologic Frequency Weekly April—September	management ebrate community stability, etc. Number of Locations
Adopt-a	a-highway trac	cking	pre MS4 Permit	monthly	7 roadways
Mainte	nance activity	tracking	pre MS4 Permit	weekly	7 roadways
				the duration of your stormwater per to where they may be found on the	
Please attach	III.B. If provid	information on the per	-	4 program, including informatio	_
I certify und under my d qualified pe on my inqu directly resibest of my in are signification.	irection or so ersonnel prop iry of the per ponsible for knowledge a ant penalties	of law that this document of law that this document of the law that this document of law that this document of law that this document of law that the law that th	ance with a system valuated the inform manage the system nation, the informationate, and complete. Information, inclusion, inclusion, inclusion.	ments were prepared designed to assure that nation submitted. Based n, or those persons ion submitted is, to the I am aware that there ding the possibility of	☐ Yes ☐ No
		this application to be sal executive or ranking		a municipal, State, Federal, or	other public
Signature			Rhonda Lopez	z, PE, District 5 Engineer	
L			Name o	of Certifying Official, Title	Date (mm/dd/yyyy)



Date: October 7, 2024
To: EPA Region 6

From: Rhonda Lopez, P.E., NMDOT District 5 Engineer

Subject: NPDES Stormwater Program MS4 Annual Report

Item 10: Additional Information

New Mexico Department of Transportation, District 5

NPDES Permit NMR04F004 (Farmington UA)

The items below provide additional information for each corresponding item in the MS4 Annual Report Format PDF for the reporting period July 1, 2023, to June 30, 2024.

1. The total population listed is 61,505, which includes 53,049 for the Farmington Urbanized Area (UA) and 8,456 for the Aztec UA located within NMDOT District 5. The 2010 U.S. Census population values for the UAs and urban clusters were used for this population estimate.

NPDES Permit number: NMR04F004 (Farmington UA)

2B: Impaired Waters – Text box in the Environmental Protection Agency (EPA) MS4 Annual Report PDF form truncates text. The impaired waters designations shown in the MS4 Annual Report form and in Table 1 below were approved by EPA on May 13, 2024 for the 2024-2026 State of New Mexico Clean Water Act (CWA) §303(d)/§305(b) Integrated List & Report. The impaired waters designations listed in Table 1 were approved after the MS4 Permit went in administrative continuance. Previous impairment lists are available on the NMED Surface Water Quality website (https://www.env.nm.gov/surface-water-quality/303d-305b/). For clarity, impaired waters that the NMDOT District 5 discharges to within the Farmington and Aztec MS4 areas are shown in Table 1.

Table 1. Impaired Water Summary Table

Impaired Water*	Impairment	Approved TMDL?	TMDL Assigns WLA for MS4?	
NM-2401_10 San Juan River (Navajo boundary at Hogback to Animas River)	E. coli (Fecal Coliform) Sedimentation/Siltation	Yes No	No N/A	
NM-2401_00 San Juan River (Animas River to Canon Largo)	Sedimentation/Siltation	Yes Also, TMDL (but no impairment) for fecal coliform and E. coli	No WLA for MS4s for E. coli	
NM-2403.A_00 Animas River (San Juan River to Estes Arroyo)	Temperature	Yes Also, TMDLs (but no impairments) for Nutrients and E. coli	No WLAs for MS4s for Nutrients and E. coli	

^{*}Impaired water designation from New Mexico Environment Department (NMED) Surface Water Quality Bureau 2024-2026 State of New Mexico CWA §303(d)/§305(b) Integrated List & Report.

2C: NMDOT maintenance activities target collection, removal, and disposal of floatables, roadside litter, and sediment. NMDOT compliance with the Construction General Permit (CGP) requirements targets sedimentation concerns within the watershed.

NMDOT's facilities and activities do not contribute directly to the existing impairments/TMDLs and therefore, NMDOT's activities do not target these impairments/TMDLs. As an example, NMDOT does not use fertilizers during general operations, and NMDOT roadways are not a source of excess plant nutrients which contributed to the nutrients TMDL in the Animas River. For E. coli, MS4s can be significant sources of E. coli because they transport urban runoff that can be affected by pet waste, illicit sewer connections, and failing septic systems – all of which are not directly related to NMDOT roadways or operations.

3. No additional comments on information provided on the MS4 Annual Report Form.

4. 4A: Regulatory Mechanisms:

NMDOT Standard Specifications for Highway and Bridge Construction – web link: https://dot.state.nm.us/content/nmdot/en/standards.html#, construction contract, and NPDES Manual (Revision 4, 10/2023) – web link: https://www.dot.nm.gov/wp-content/uploads/2024/01/NMDOT-NPDES-Manual-Rev-4-2023.pdf. NMDOT led the effort to update the NPDES Manual in FY 2020 and again in FY 2023-FY 2024. The FY 2020-FY 2021 update included updated regulatory information and the addition of Green Stormwater Infrastructure (GSI) and Low Impact Development (LID) Best Management Practices. The FY 2023-FY 2024 update addressed the Construction General Permit (CGP) section of the manual to reflect updates from the 2022 CGP.

In FY 2024, NMDOT finalized an Erosion and Sediment Control Field Guide to assist NMDOT staff and inspectors, as well as contractors, with improved CGP compliance. This field guide includes information on CGP requirements as well as inspection information on best management practices for construction phase temporary erosion and sediment control. NMDOT printed 240 copies of the flip book field guide for their staff and contractors; it can be found online here: https://www.dot.nm.gov/wp-content/uploads/2024/07/2024-05-23-Erosion-and-Sediment-Control-Field-Guide_FINAL-FOR-WEB.pdf.

- **4B**: NMDOT Standard Specifications for Highway and Bridge Construction and EPA SWPPP inspection form (available in NPDES Manual). Links provided in 4A above.
- **4C & 4D**: There were TBD NMDOT construction projects that were within the MS4 boundary and disturbed greater than (>) one (1) acre of bare ground in the UA during this reporting period. As a result, there were TBD NMDOT construction sites that required inspections during this reporting period.
- **4J**: NMDOT NPDES/SWPPP Qualified training is required every four (4) years but is typically offered multiple times per year.
- 5. **5A**: An NMDOT Outfalls map for the MS4 area has been developed. There have not been any updates to this map in FY 2024. This map is available upon request.
 - **5B**: The vast majority of potential NMDOT storm drain outlets are short culverts under the roadways, and therefore do not need to be mapped to determine upstream sources. The limited networked storm drains within NMDOT ROW capture only NMDOT runoff. Mapping these will serve no benefit in locating illicit discharges entering NMDOT ROW from outside its jurisdiction.
 - **5H**: NMDOT has no authority to issue an ordinance or other regulatory mechanism to prohibit illicit discharges.
 - **5I**: NMDOT has no authority to issue an ordinance or other regulatory mechanism to take enforcement action or recover costs for addressing illicit discharges.
 - **5J & 5K**: No illicit discharges were discovered during this reporting period in the MS4 area.

5L: NMDOT does not have a stand-alone illicit discharge training program – this topic is covered in the general stormwater training, spill prevention and response training, as well as in the maintenance activity performance guidelines (such as emergency repairs/clean-up and litter pickup). All employees also have access to an illicit discharge educational brochure and report form - https://www.dot.nm.gov/wp-content/uploads/2021/10/Illicit-Discharge-Brochure-and-Form.pdf.

6. **6A**:

- 1. NMDOT does not have parks or ball fields.
- 2. All projects greater than (>) one (1) acre are required to develop a SWPPP as required by the Construction General Permit (CGP); projects less than (<) one (1) acre are dealt with on a case-by-case basis.
- 3. NMDOT has negligible turf and landscaping.
- 4. NMDOT does not have vehicle fueling or operation and maintenance activities within the MS4 area.
- 5. NMDOT does not have maintenance yards within the MS4 area.
- 6. NMDOT does not have municipal waste handling facilities.

6B: There are no NMDOT patrol facilities within the UA, so no inspections for the MS4 program were performed.

6G: All employees who approve drainage plans and final stabilization temporary erosion control plans receive comprehensive training on stormwater management.

7. **7E**:

- 1. Pre-development hydrology flow volumes are not limited by NMDOT design standards. Stormwater retention is required within MS4 areas as required in the MS4 Permits (covering the Middle Rio Grande Permit and anticipating the regulations in the forthcoming state-wide permit).
- 2. Peak discharge rate limits are addressed in the current *Drainage Design Manual* (DDM).
- 3. Discharge frequency is not limited by NMDOT design standards.
- 4. Flow duration is not limited by NMDOT design standards.

7F: The web page link to NMDOT's *Drainage Design Manual*, which includes post-construction stormwater management standards, is: https://www.dot.nm.gov/infrastructure/program-management/drainage-design/.

In FY 2024, NMDOT finalized a Green Stormwater Infrastructure (GSI) Maintenance Field Guide and GSI Maintenance Manual to assist NMDOT staff and maintenance contractors with improved maintenance of drainage facilities with GSI features, which have both engineered and biological components and require maintenance. GSI features are designed to capture, treat, and infiltrate stormwater. They provide other benefits, such as shade, habitat, and beauty. NMDOT printed over 200 copies of the flip book field guide for their staff and contractors and it can be found online here: https://www.dot.nm.gov/wp-content/uploads/2024/07/2024-05-23-GSI-Maintenance-Field-Guide_FINAL-FOR-WEB.pdf. The GSI Maintenance Manual is located online here: https://www.dot.nm.gov/wp-content/uploads/2024/07/NMDOT-GSI-Maintenance-Manual_Final.pdf.

- **7G & 7H**: There were TBD development/re-development projects reviewed during this reporting time frame within the MS4 area.
- **71 & 7J**: Not applicable; there are no privately-owned facilities within NMDOT jurisdiction.
- **7K through M**: Not applicable; NMDOT is the only operator post-construction and as a result, no enforcement authority or action is required.
- 8. **8A**: Dollar amounts shown reflect estimated expenditures from July 1, 2023 through June 30, 2024. Expenditures shown reflect costs for consulting fees and maintenance activities (litter pickup, street sweeping, drainage structure cleaning, etc.) within the MS4 boundary. The costs of the Drainage Design & Environmental Bureau's employee salaries, training, and travel expenses were **not** included in this MS4 program resources estimate.
 - 1. Consultant fees = \$20,600
 - 2. Maintenance/litter pickup activities = \$528,900
 - 3. Roadway sweeping = \$33,900
 - 4. Total = \$583,400
 - **8B**: Next year's budget for implementing NMDOT District 5's Farmington MS4 NPDES program is anticipated to be similar to this year's expenditures.
 - **8C**: NMDOT has no annual revenue or direct funding source for the MS4 program. The MS4 program budget (amounts shown) is allocated out of the general funding for the DOT.
 - **8E**: NMDOT is part of the San Juan Basin Stormwater MS4 Advisory Group, which is organized as a Memorandum of Agreement between the City of Farmington, City of Aztec, City of Bloomfield, San Juan County, and NMDOT District 5. This group agrees to support and encourage a cooperative commitment to assist one another with issues regarding compliance with the MS4 Permit within the San Juan Basin area.
- 9. 9A: NMDOT is a non-traditional MS4 and evaluating the overall effectiveness of its stormwater management program focuses on metrics collected specific to its roadway facilities. Large scale watershed or in-stream hydrologic studies are beyond the jurisdiction and reach of NMDOT. NMDOT tracks adopt-a-highway data (public participation litter removal program) including the number of volunteers and amount of trash removed at each location. In addition, through NMDOT's Maintenance Management System (MMS), NMDOT tracks all maintenance activities in each district including miles of roadway sweeping, litter removal, and drainage structure cleanings. Tracking this data assists NMDOT in evaluating the overall effectiveness of its activities related to stormwater management and MS4 Permit compliance.
- 10. Supporting documents similar to those provided with previous MS4 Annual Reports have been compiled and are on file at NMDOT offices. They have not been included in this report to keep this submittal to a manageable size. These supporting documents are available upon request.