CITY OF ALBUQUERQUE

March 30, 2015

Ms. Hannah Branning (6EN-WC)
Environmental Protection Specialist
U.S. EPA, Region 6
1445 Ross Avenue, Suite 1200
Dallas, TX 75202-2733

RE: NPDES Permit No. NMS0000101 – Discharge Monitoring Report (DMR) Data, Reporting Period October 1, 2013 to September 30, 2014 (Annual)

Dear Ms. Branning:

The original hard copies of the DMRs required by NPDES Permit No. NMS000101 are attached. These DMRs summarize storm water quality data from 5 outfalls for the reporting period of October 1 to September 30 of the previous year. Trace metal and general chemistry data for the dry (October 1, 2013 to May 31, 2014) and wet (June 1, 2013 to September 30, 2014) season are included. Biennial data (volatile organic compounds, pesticides, and base/neutral compounds) were included in last year's annual report (2013).

Because of the continued drought in New Mexico, no qualifying storm events occurred during the dry season. In addition, no qualifying storm events leading to discharge occurred at two locations, the North Floodway Channel and the South Diversion Channel, during the wet season.

A copy of the delegation of authority letter that grants signatory authority of the DMRs to the Engineering Division Manager by the City of Albuquerque's Chief Operating Officer, Robert Perry, is attached. Copies of permit pages that cite frequency of analysis are also attached.

If you have any further questions, feel free to call me at (505) 768-3654 or send me an email at kverhage@cabq.gov.

Sincerely,

Kathy Verhage

Kathy Verhage, P.E.
Storm Water Management Section
Department of Municipal Development

Electronic Cc: Brent Larsen, Region 6 EPA
Nelly Smith, Region 6 EPA
Sarah Holcomb, NMED
James Hogan, NMED
Wilfred Gallegos, COA
Melissa Lozoya, COA
Kevin Daggett, COA
Patrick Chavez, AMAFCA
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PO Box 1293
Albuquerque
New Mexico 87103
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CITY OF ALBUQUERQUE

Office of the Mayor/ Chief Administrative Officer

January 21, 2015

EPA Region 6
Water Enforcement Branch (6EN-WC)
1445 Ross Avenue Suite 1200
Dallas, TX 75202-2733

Re: Delegation of Signatory Authority for City of Albuquerque, NPDES Permit No. NMS000101

To Whom It May Concern:

As the Chief Administrative Officer (CAO) of the City of Albuquerque (COA), in accordance with Federal Regulations 40 CFR 122.22(b), I hereby delegate the following positions to be Certifying Officials for the purposes of reporting under the City's Municipal Separate Storm Sewer System (MS4) Permit, Multi-Sector General Permit (MSGP), and Construction General Permit (CGP).

PO Box 1293

Albuquerque

New Mexico 87103

www.cabq.gov

Chief Administrative Officer

- Annual Reports
- Requests for changes to the COA's Storm Water Management Program (SWMP)

Engineering Division Manager

- Data Monitoring Reports (DMRs)
- Certification of Storm Water Pollution Prevention Plans (SWPPPs) under the MSGP
- Certification of eNOIs under the MSGP

Department of Municipal Development (DMD) Construction Management Managers

- Certification of SWPPPs for DMD and Capital Implementation Program (CIP) projects under the CGP
- Certification of eNOIs for DMD and CIP projects under the CGP

Parks & Recreation (Parks) Construction Managers, Supervisors, or Superintendents

- Certification of SWPPPs for CIP and Parks projects under the CGP
- Certification of eNOIs for CIP and Parks projects under the CGP

DMD and Parks Construction Managers, Supervisors, Superintendents, or Inspectors

- Construction Site Inspection Forms for DMD, CIP, and Parks projects under the CGP

This letter designates positions of signatory authority rather than naming specific individuals who hold the designated positions. The COA has chosen this method of delegating signatory authority to ensure consistency in meeting permit requirements during staff changes.

I understand the role and responsibilities of the COA as they relate to the MS4 permit and have selected individuals in these positions because of their understanding and knowledge of the permit requirements, including stormwater certification for construction personnel.

Best Regards,

Robert J. Perry
Chief Administrative Officer

Electronic cc: Wilfred Gallegos, P.E.; Director, DMD
Melissa Lozoya, P.E.; Deputy Director, DMD
Bryan Wolfe, P.E., Construction Services Division Manager, DMD
David Harrison, P.E., Construction Services Section Manager, DMD
Kevin Daggett, P.E., Acting Engineering Division Manager, DMD
Ralph Saiz, Construction Manager, Parks Construction Division, DMD
Keith Reed, P.E., Deputy Director, Parks

Region 6
1445 Ross Avenue
Dallas, Texas 75202-2733 **NPDES Permit No. NMS000101**

AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the Clean Water Act, as amended, (33 U.S.C. 1251 et. seq; the "Act"), the co-permittees as listed below,

City of Albuquerque
Department of Municipal Development
P.O. Box 1293
Albuquerque, NM 87103

Albuquerque Metropolitan Arroyo Flood Control Authority (AMAFCA)
2600 Prospect NE
Albuquerque, NM 87107

New Mexico Department of Transportation
District III
P.O. Box 91750
Albuquerque, NM 87199-1750

University of New Mexico
Department of Safety, Health and Environmental Affairs
1801 Tucker Street N.E.
Albuquerque, NM 87131

are authorized to discharge from all portions of the Albuquerque Municipal Separate Storm Sewer System (MS4) owned or operated by any permittee listed above, to waters of the United States, in accordance with the Storm Water Management Program(s), effluent limitations, monitoring requirements, and other conditions set forth in Parts I, II, III, IV, V, VI, VII, and VIII herein.

This is a renewal NPDES permit issued for these portions of the municipal separate storm sewer system.

This permit shall become effective on March 1, 2012

This permit and the authorization to discharge shall expire the earlier of (1) ninety (90) days following the effective date of a watershed-based permit for the regulated Middle Rio Grande MS4s in the Albuquerque area or (2) at midnight February 28, 2017

Issued on January 31, 2012

William K. Honker, P.E.
Acting Director
Water Quality Protection Division

Prepared by

Suzanna M. Perea
Environmental Scientist
NPDES Permits and TMDLs Branch

TABLE XII.A - Representative Monitoring Annual Requirements: Monitoring Locations ML1 - ML5 [7]

PARAMETERS [8]	REPORT FOR EACH MONITORING PERIOD (each sample type)			SAMPLE TYPE(S)		MONITORING FREQUENCY
	Minimum	Average	Maximum	Grab	Composite	
1. Dissolved Oxygen (DO) (mg/l)	Yes	Yes		Yes[11]		1 event/ wet season;1 event/ dry season[6]
2. Biochemical Oxygen Demand (BOD_5) (mg/l)		Yes	Yes		Yes	1 event/ wet season;1 event/ dry season[6]
3. Chemical Oxygen Demand (COD) (mg/l)		Yes	Yes		Yes	1 event/ wet season;1 event/ dry season[6]
4. Total Suspended Solids (TSS) (mg/l)		Yes	Yes		Yes	1 event/ wet season;1 event/ dry season[6]
5. Total Dissolved Solids (TDS) (mg/l)		Yes	Yes		Yes	1 event/ wet season;1 event/ dry season[6]
6. Total Nitrogen (mg/l)		Yes	Yes		Yes	1 event/ wet season;1 event/ dry season[6]
7. Total Kjeldahl Nitrogen (TKN) (mg/l)		Yes	Yes		Yes	1 event/ wet season;1 event/ dry season[6]
8. Total Phosphorus (mg/l)		Yes	Yes		Yes	1 event/ wet season;1 event/ dry season[6]
9. Dissolved Phosphorus (mg/l)		Yes	Yes		Yes	1 event/ wet season;1 event/ dry season[6]
10. Total Cadmium (µg/l)		Yes	Yes		Yes	1 event/ wet season;1 event/ dry season[6]
11. Dissolved Cadmium (µg/l)		Yes	Yes		Yes	1 event/ wet season;1 event/ dry season[6]
12. Total Copper (µg/l)		Yes	Yes		Yes	1 event/ wet season;1 event/ dry season[6]
13. Dissolved Copper (µg/l)		Yes	Yes		Yes	1 event/ wet season;1 event/ dry season[6]
14. Total Lead (µg/l)		Yes	Yes		Yes	1 event/ wet season;1 event/ dry season[6]
15. Dissolved Lead (µg/l)		Yes	Yes		Yes	1 event/ wet season;1 event/ dry season[6]
16. Total Zinc (µg/l)		Yes	Yes		Yes	1 event/ wet season;1 event/ dry season[6]
17. Dissolved Zinc (µg/l)		Yes	Yes		Yes	1 event/ wet season;1 event/ dry season[6]
18. Mercury (µg/l)		Yes	Yes		Yes	1 event/ wet season;1 event/ dry season[6]
19. Chromium III (µg/l)		Yes	Yes		Yes	1 event/ wet season;1 event/ dry season[6]
20. Chromium VI (µg/l)		Yes	Yes		Yes	1 event/ wet season;1 event/ dry season[6]
21. Arsenic (µg/l)		Yes	Yes		Yes	1 event/ wet season;1 event/ dry season[6]
22. Thallium (µg/l)		Yes	Yes		Yes	1 event/ wet season;1 event/ dry season[6]

PARAMETERS [8]	REPORT FOR EACH MONITORING PERIOD (each sample type)			SAMPLE TYPE(S)		MONITORING FREQUENCY
	Minimum	Average	Maximum	Grab	Composite	
23. Chlorides (as Cl) (mg/l)		Yes	Yes		Yes	1 event/ wet season;1 event/ dry season[6]
24. Nitrate (mg/l)		Yes	Yes		Yes	1 event/ wet season;1 event/ dry season[6]
25. pH (S.U.)	Yes		Yes	Yes[11]		1 event/ wet season;1 event/ dry season[6]
26. Sulfates (mg/l)		Yes	Yes		Yes	1 event/ wet season;1 event/ dry season[6]
27. Conductivity (micromho/cm)		Yes	Yes	Yes[11]		1 event/ wet season;1 event/ dry season[6]
29. *E coli* [9]		Yes	Yes	Yes[10]		4 events/ wet season[6]; minimum of 2 events/ quarter during dry season
30. Oil and Grease (mg/l)		Yes	Yes	Yes		1 event/ wet season;1 event/ dry season[6]
31. Total Phenols (µg/l)		Yes	Yes		Yes	1 event/ wet season;1 event/ dry season[6]
32. Hardness (as $CaCO_3$) (mg/l)	Yes	Yes	Yes	Yes		1 event/ wet season; 1 event/ dry season[6]
33. Temperature (°C)	Yes	Yes	Yes	Yes[11]		1 event/ wet season;1 event/ dry season[6]

6 Seasonal monitoring periods are: Wet Season: June 1 through September 30; Dry Season: October 1 through May 31.

7 Monitoring frequency for each year for Monitoring Locations ML1-5. Monitoring for Monitoring Locations ML1-ML5 is to commence on the effective date of this permit.

8 If any individual analytical test result is less than the minimum quantification level (MQL) listed for that parameter, then a value of zero (0) may be used for that test result for the discharge monitoring report (DMR) calculations and reporting requirements. The annual report shall include the actual value obtained, if test result is less than the MQL.

9 Monitoring results for bacteria shall also be submitted with the Annual TMDL Progress Report required in Tables II.A and II.C. Bacteria Loadings for each monitoring location shall be estimated and reported in the Annual TMDL Progress Report.

10 May consist of multiple grab samples weighted for an event mean concentration.

11 Parameters shall be analyzed in the field within fifteen (15) minutes of sample collection.

TABLE XII.B – Representative Monitoring Biennial Requirements: Monitoring Locations ML1 – ML5 [12]

The following Minimum Quantification Levels (MQL's) are to be used for reporting pollutant data for NPDES permit applications and/or compliance reporting.

POLLUTANTS	MQL µg/l	POLLUTANTS	MQL µg/l
METALS, RADIOACTIVITY, CYANIDE and CHLORINE			
Aluminum	2.5	Molybdenum	10
Antimony	60	Nickel	0.5
Arsenic	0.5	Selenium	5
Barium	100	Silver	0.5
Beryllium	0.5	Thallium	0.5
Boron	100	Uranium	0.1
Cadmium	1	Vanadium	50
Chromium	10	Zinc	20
Cobalt	50	Cyanide	10
Copper	0.5	Cyanide, weak acid dissociable	10
Lead	0.5	Total Residual Chlorine	33
Mercury[13]	0.0005		
	0.005		
DIOXIN			
2,3,7,8-TCDD	0.00001		
VOLATILE COMPOUNDS			
Acrolein	50	1,3-Dichloropropylene	10
Acrylonitrile	20	Ethylbenzene	10
Benzene	10	Methyl Bromide	50
Bromoform	10	Methylene Chloride	20
Carbon Tetrachloride	2	1,1,2,2-Tetrachloroethane	10
Chlorobenzene	10	Tetrachloroethylene	10
Clorodibromomethane	10	Toluene	10
Chloroform	50	1,2-trans-Dichloroethylene	10
Dichlorobromomethane	10	1,1,2-Trichloroethane	10
1,2-Dichloroethane	10	Trichloroethylene	10
1,1-Dichloroethylene	10	Vinyl Chloride	10
1,2-Dichloropropane	10		
ACID COMPOUNDS			
2-Chlorophenol	10	2,4-Dinitrophenol	50
2,4-Dichlorophenol	10	Pentachlorophenol	5
2,4-Dimethylphenol	10	Phenol	10
4,6-Dinitro-o-Cresol	50	2,4,6-Trichlorophenol	10

POLLUTANTS	MQL µg/l	POLLUTANTS	MQL µg/l
		BASE/NEUTRAL	
Acenaphthene	10	Dimethyl Phthalate	10
Anthracene	10	Di-n-Butyl Phthalate	10
Benzidine	50	2,4-Dinitrotoluene	10
Benzo(a)anthracene	5	1,2-Diphenylhydrazine	20
Benzo(a)pyrene	5	Fluoranthene	10
3,4-Benzofluoranthene	10	Fluorene	10
Benzo(k)fluoranthene	5	Hexachlorobenzene	5
Bis(2-chloroethyl)Ether	10	Hexachlorobutadiene	10
Bis(2-chloroisopropyl)Ether	10	Hexachlorocyclopentadiene	10
Bis(2-ethylhexyl)Phthalate	10	Hexachloroethane	20
Butyl Benzyl Phthalate	10	Indeno(1,2,3-cd)Pyrene	5
2-Chloronapthalene	10	Isophorone	10
Chrysene	5	Nitrobenzene	10
Dibenzo(a,h)anthracene	5	n-Nitrosodimethylamine	50
1,2-Dichlorobenzene	10	n-Nitrosodi-n-Propylamine	20
1,3-Dichlorobenzene	10	n-Nitrosodiphenylamine	20
1,4-Dichlorobenzene	10	Pyrene	10
3,3'-Dichlorobenzidine	5	1,2,4-Trichlorobenzene	10
Diethyl Phthalate	10		
		PESTICIDES AND PCBS	
Aldrin	0.01	Beta-Endosulfan	0.02
Alpha-BHC	0.05	Endosulfan sulfate	0.02
Beta-BHC	0.05	Endrin	0.02
Gamma-BHC	0.05	Endrin Aldehyde	0.1
Chlordane	0.2	Heptachlor	0.01
4,4'-DDT and derivatives	0.02	Heptachlor Epoxide	0.01
Dieldrin	0.02	PCBs[5]	-
Alpha-Endosulfan	0.01	Toxaphene	0.3

(MQL's Revised November 1, 2007)

12 Parameters included in Table XII.B are to be monitored biennially (every other year). Seasonal monitoring periods are: Wet Season: June 1 thru September 30; Dry Season: October 1 through May 31. Monitoring Frequency: one (1) event/wet season and one (1) event/dry season, using composite sampling. Average and maximum values are reported each monitoring period. Monitoring requirements commence on the effective date of permit and shall continue on the every other year schedule established by prior permit.

If any individual analytical test result is less than the minimum quantification level (MQL) listed for that parameter, a value of zero (0) may be used for that test result for the discharge monitoring report (DMR) calculations and reporting requirements.

13 Default MQL for Mercury is 0.005 unless Part I of your permit requires the more sensitive Method 1631 (Oxidation / Purge and Trap / Cold vapor Atomic Fluorescence Spectrometry), then the MQL shall be 0.0005.