NPDES PERMIT NO. NMS000101
ALBUQUERQUE MUNICIPAL SEPARATE STORM SEWER SYSTEM
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STORM WATER MANAGEMENT PROGRAM ATTACHMENT

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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"),

City of Albuquerque
Public Works Department
P.O. Box 1293
Albuquerque, NM 87103

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

New Mexico State Highway and Transportation Department
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 the first NPDES permit issued for these portions of the municipal separate storm sewer system.

This permit shall become effective on

This permit and the authorization to discharge shall expire at midnight,

Issued on

Miguel I. Flores
Director
Water Quality Protection Division (6WQ)

Prepared by

Claudia V. Hosch & Maria Okpala
Environmental Engineers
Permitting Section (6WQ-PP)

PART I. DISCHARGES AUTHORIZED UNDER THIS PERMIT.

A. Permit Area. This permit covers all areas, except agricultural lands, within the corporate boundary of the City of Albuquerque, New Mexico served by, or otherwise contributing to discharges from municipal separate storm sewers owned or operated by the permittees listed above.

B. Discharges.

1. **Authorized Discharges**: This permit authorizes the permittee(s) to discharge to waters of the United States from those portions of the Municipal Separate Storm Sewer System owned or operated by the Permittees:

   a. storm water and

   b. storm water mixed with those categories of non-storm water that are identified in the permittee's Storm Water Management Program in accordance with Part II.A.6.a.

2. **Unauthorized Discharges**: This permit does not authorize:

   a. discharge of storm water associated with industrial activity;

   b. discharge of storm water or non-storm water that is required to be authorized under a separate NPDES permit; and

   c. any storm water or non storm water discharge (either into or from the Municipal Separate Storm Sewer System), by any person other than the Permittees. This permit does not transfer liability for the act of discharging without (or in violation of) an NPDES permit from the operator of the discharge to the permittee(s).

   d. Spills: discharges of material resulting from a spill, except where such discharges are:

      1. the result of an Act of God where reasonable and prudent measures have been taken to minimize the impact of the discharge, or

      2. necessary to prevent loss of life, personal injury, or severe property damage. (See also Parts II.A.7 and VI.E).

C. Permittee Responsibilities.

1. Each permittee is responsible for:

   a. Compliance with permit conditions relating to discharges from portions of the Municipal Separate Storm Sewer System where the permittee is the operator;

b. Storm Water Management Program implementation on portions of the Municipal Separate Storm Sewer System where the permittee is the operator;

c. Compliance with annual reporting requirements as specified in Part V.C.;

d. Collection of representative wet weather monitoring data required by Part V.A., according to such agreements as may be established between permittees; and

e. A plan of action to assume responsibility for implementation of storm water management and monitoring programs on their portions of the Municipal Separate Storm Sewer System should interjurisdictional agreements allocating responsibility between permittees be dissolved or in default.

2. Permittees are jointly responsible for permit compliance on portions of the Municipal Separate Storm Sewer System where operational or Storm Water Management Program implementation authority over portions of the Municipal Separate Storm Sewer System is shared or has been transferred from one permittee to another in accordance with legally binding agreements. Each permittee remains ultimately responsible for those portions, and only those portions of the MS4, within its operational control.

PART II. STORM WATER POLLUTION PREVENTION AND MANAGEMENT PROGRAM(S).

Each permittee shall contribute to the development, revision and implementation of a comprehensive Storm Water Management Program including pollution prevention measures, treatment or removal techniques, storm water monitoring, use of legal authority, and other appropriate means to control the quality of storm water discharged from the Municipal Separate Storm Sewer System. The Storm Water Management Program shall be implemented in accordance with Section 402(p)(3)(B) of the Act, and the Storm Water Regulations (40 CFR Part 122.26).

Controls and activities in the Storm Water Management Program shall identify areas of permittee responsibility on a jurisdiction, applicability, or specific area basis. The Storm Water Management Program shall include controls necessary to effectively prohibit the discharge of non-storm water into municipal separate storm sewers and reduce the discharge of pollutants from the Municipal Separate Storm Sewer System to the Maximum Extent Practicable (MEP). The permittees shall control pollutants in storm water discharges to the Maximum Extent Practicable by implementing the Storm Water Management Program in its entirety.

The Storm Water Management Program shall cover the term of the permit and shall be updated as necessary, or as required by the Director, to ensure compliance with the statutory requirements of Section 402(p)(3)(B) of the Act. Modifications to the Storm Water Management Program shall be made in accordance with Parts II.G., and III. Compliance with the Storm Water Management Program and any schedules in Part III. shall be deemed compliance with Parts II.A, and II.B. The Storm Water Management Program, and all updates made in accordance with Part II.G., are hereby incorporated by reference.

Implementation of the Storm Water Management Program may be achieved through participation with other permittees, public agencies, or private entities in cooperative efforts to satisfy the requirements of Part II. in lieu of creating duplicate program elements for each individual permittee. The Storm Water Management Program, taken as a whole, shall achieve the "effective prohibition on the discharge of non-storm water" and "MEP" standards from Section 402(p)(3)(B) of the Act.

A. Storm Water Management Program Requirements.

1. *Structural Controls and Storm Water Collection System Operation:* The Municipal Separate Storm Sewer System and any storm water structural controls shall be operated in a manner to reduce the discharge of pollutants to the Maximum Extent Practicable.

2. *Areas of New Development and Significant Redevelopment:* A comprehensive master planning process (or equivalent) to develop, implement, and enforce controls to minimize the discharge of pollutants from areas of new development and significant re-development after construction is completed shall be implemented. The goals of such controls shall be:

    a. New development - limiting increases in the discharge of pollutants in storm water as a result of development, and

    b. Re-development - reducing the discharge of pollutants in storm water.

3. *Roadways:* Public streets, roads, and highways shall be operated and maintained in a manner to minimize discharge of pollutants, including those pollutants related to deicing or sanding activities.

4. *Flood Control Projects:* Impacts on receiving water quality shall be assessed for all flood management projects. The feasibility of retro-fitting existing structural flood control devices to provide additional pollutant removal from storm water shall be evaluated.

5. *Pesticide, Herbicide, and Fertilizer Application:* Each permittee shall implement controls to reduce the discharge of pollutants related to the storage and application of pesticides, herbicides, and fertilizers applied, by the permittee's employees or contractors, to public right of ways, parks, and other municipal property. Permittee(s) with jurisdiction over lands not directly owned by that entity (e.g. incorporated city) shall implement programs to reduce the discharge of pollutants related to commercial application and distribution of pesticides, herbicides, and fertilizers.

6. *Illicit Discharges and Improper Disposal*: Non-storm water discharges to the Municipal Separate Storm Sewer System shall be effectively prohibited. For the purpose of this permit, the following discharges need not be addressed as illicit discharges by the permittees nor prohibited from entering the Municipal Separate Storm Sewer System: discharges regulated by a separate NPDES permit; discharges for which an NPDES permit application has been submitted; and non-storm water discharges identified by the permittee as specified in item a. below.

   a. Permittees shall identify in the Storm Water Management Program any categories of non-storm water that are not prohibited from being discharged into the Municipal Separate Storm Sewer System, in accordance with conditions described in items (1) and (2) below.

      (1) Categories of non-storm water discharges that the permittees may exempt from the prohibition on non-storm water entering the Municipal Separate Storm Sewer System include those either:

         (a) listed in 40 CFR 122.26(d)(2)(iv)(B)(1); or

         (b) other similar occasional incidental non-storm water discharges (e.g. non-commercial or charity car washes, etc.).

      (2) Categories of non-storm water discharges exempted from the prohibition on non-storm water must not be reasonably expected (based on information available to the permittees) to be significant sources of pollutants to the Municipal Separate Storm Sewer System, because of either:

         (a) the nature of the discharges; or

         (b) conditions placed on the discharges by the permittees.

The Storm Water Management Program shall describe any local controls or conditions placed on discharges exempted from the prohibition on non-storm water. Permittees shall prohibit any individual non-storm water discharge otherwise exempted under this paragraph from the prohibition on non-storm water that is determined to be contributing significant amounts of pollutants to the Municipal Separate Storm Sewer System.

b. Each permittee shall implement the following programs to address the discharge of pollutants from sanitary sewers into the Municipal Separate Storm Sewer System:

(1) an ongoing program for prevention of unpermitted chronic dry and wet weather overflows from the sanitary sewer system (e.g. overflows caused by deteriorated or undersize lines, excessive inflow and infiltration, improper maintenance, etc.);

(2) a program for responding to and eliminating, as soon as practicable, unforseen episodic overflows from the sanitary sewer system (e.g. overflows caused by power outage, line breakage or blockage, vandalism, etc.); and

(3) an ongoing program to limit seepage from sanitary sewers into the MS4 (e.g. seepage due to minor cracks in lines, line joints separating due to land subsidence, etc.).

These programs may be implemented either directly or in conjunction with other permittees and/or the sanitary sewer system operator. Remediation schedules, not to exceed any compliance schedule placed on the sanitary sewer system operator by the State or EPA, may be developed to prioritize capital projects or repair and maintenance efforts. In the interim, the permittee shall require the operator of the illicit discharge to take all reasonable and prudent measures to minimize the discharge of pollutants to the Municipal Separate Storm Sewer System.

c. The permittee(s) shall ensure the implementation of a program to reduce the discharge of floatables (e.g. litter and other human-generated solid refuse). The floatables control program shall include source controls and, where necessary, structural controls.

d. The discharge or disposal of used motor vehicle fluids, household hazardous wastes; and the intentional disposal of collected quantities of grass clippings, leaf litter, and animal wastes into separate storm sewers shall be prohibited. The permittee(s) shall ensure the implementation of programs to collect used motor vehicle fluids (at a minimum, oil and antifreeze) for recycle, reuse, or proper disposal and to collect household hazardous waste materials (including paint, solvents, pesticides, herbicides, and other hazardous materials) for recycle, reuse, or proper disposal. Such programs shall be readily available to all private residents and shall be publicized and promoted on a regular basis.

e. A program to locate and eliminate illicit discharges and improper disposal into the Municipal Separate Storm Sewer System shall be implemented. This program shall include dry weather screening activities to locate portions of the Municipal Separate Storm Sewer System with suspected illicit discharges and improper disposal (described in Part II.A.11.a). Follow-up activities to eliminate illicit discharges and improper disposal may be prioritized on the basis of magnitude and nature of the suspected discharge; sensitivity of the receiving water; and/or other relevant factors. This program shall establish priorities and schedules for screening the entire Municipal Separate Storm Sewer System at least once during the permit term. Facility inspections may be carried out in conjunction with other municipal programs (e.g. pretreatment inspections of industrial users, health inspections, fire inspections, etc.), but must include random inspections for facilities not normally visited by the municipality.

f. Each permittee shall require the elimination of illicit discharges and improper disposal practices as expeditiously as reasonably possible. Where elimination of an illicit discharge within thirty (30) days is not possible, the permittee shall require an expeditious schedule for removal of the discharge. In the interim, the permittee shall require the operator of the illicit discharge to take all reasonable and prudent measures to minimize the discharge of pollutants to the Municipal Separate Storm Sewer System.

g. The permittee(s) shall maintain, and update as necessary, a list of discharges to municipal separate storm sewers that has been issued a NPDES permit. The list shall include the name, location and NPDES permit number of the discharger.

7. *Spill Prevention and Response:* A program to prevent, contain, and respond to spills that may discharge into the Municipal Separate Storm Sewer System shall be implemented. Where discharge of material resulting from a spill is necessary to prevent loss of life, personal injury, or severe property damage, the permittee(s) shall take, or insure the party responsible for the spill takes, all reasonable steps to minimize or prevent any adverse effects to human health or the environment. The spill response program may include a combination of spill response actions by the permittee(s) (and/or another public or private entity), and legal requirements for private entities within the permittee's municipal jurisdiction.

8. *Industrial & High Risk Runoff:* A program to identify and control pollutants in storm water discharges to the Municipal Separate Storm Sewer System from municipal landfills; other treatment, storage, or disposal facilities for municipal waste (e.g. transfer stations, incinerators, etc.); hazardous waste treatment, storage, disposal and recovery facilities; facilities that are subject to EPCRA Title III, Section 313; and any other industrial or commercial discharge the permittee(s) determines are contributing a substantial pollutant loading to the Municipal Separate Storm Sewer System shall be implemented. The program shall include:

a. priorities and procedures for inspections, monitoring (see also Part II.A.11.c.), and establishing and implementing control measures for such discharges; and

b. a list of industrial storm water sources discharging to the Municipal Separate Storm Sewer System, which shall be maintained and update as necessary.

9. *Construction Site Runoff:* A program to reduce the discharge of pollutants from construction sites shall be implemented. This program shall include:

a. requirements for the use and maintenance of appropriate structural and nonstructural best management practices to reduce pollutants discharged to the Municipal Separate Storm Sewer System during the time construction is underway;

b. inspection of construction sites and enforcement of control measures (in accordance with priorities and procedures established in the Storm Water Management Program);

c. appropriate education and training measures for construction site operators; and

d. notification of appropriate building permit applicants of their potential responsibilities under the NPDES permitting program for construction site runoff.

10. *Public Education:* A public education program with the following elements shall be implemented:

a. a program to promote, publicize, and facilitate public reporting of the presence of illicit discharges or improper disposal of materials, including floatables, into the Municipal Separate Storm Sewer System;

b. a program to promote, publicize, and facilitate the proper management and disposal of used motor vehicle fluids and household hazardous wastes.

c. a program to promote, publicize, and facilitate the proper use, application, and disposal of pesticides, herbicides, and fertilizers by the public and commercial and private applicators and distributors.

11. *Monitoring Programs:* The following monitoring programs shall be implemented in addition to the monitoring required by Part V.:

a. The *Dry Weather Screening Program* shall continue ongoing efforts to detect the presence of illicit connections and improper discharges to the Municipal Separate Storm Sewer System. All major outfalls discharging directly to the Rio Grande must be screened at least once per year. All areas of the Municipal Separate Storm Sewer System must be screened at least once during the permit term. Screening methodology may be modified based on experience gained during actual field screening activities and need not conform to the protocol at 40 CFR 122.26(d)(1)(iv)(D). Sample collection and analysis need not conform to the requirements of 40 CFR Part 136. However, samples taken to confirm (e.g. in support of possible legal action) a particular illicit connection or improper disposal practice should conform to the requirements of 40 CFR Part 136.

b. *Wet Weather Screening Program:* Each permittee shall identify, investigate, and address areas within its jurisdiction that may be contributing excessive levels of pollutants to the Municipal Separate Storm Sewer System. All major outfalls discharging directly to the Rio Grande must be screened at least once per year. The wet weather screening program:

(1) shall screen the Municipal Separate Storm Sewer System, in accordance with the procedures specified in the Storm Water Management Program.

(2) shall specify the sampling and non-sampling techniques to be used for initial screening and follow-up purposes. Sample collection and analysis need not conform to the requirements of 40 CFR Part 136. However, samples taken to confirm (e.g. in support of possible legal action) a particular illicit connection or improper disposal practice should conform to the requirements of 40 CFR Part 136.

c. The *Industrial and High Risk Runoff Monitoring Program* shall monitor storm water discharges from Type 1 and 2 industrial facilities (described below) which discharge to the Municipal Separate Storm Sewer System. Analytical monitoring data collected by a facility to comply with, or apply for, a State or NPDES discharge permit (other than this permit) may be used, on a parameter-by-parameter basis, to avoid unnecessary cost and duplication of effort.

If a Type 1 or Type 2 industrial facility has two or more outfalls with substantially identical effluents, the MS4 may allow the facility to test only one outfall and to report that the quantitative data also apply to the substantially identical outfalls. The facilities must demonstrate that the storm water outfalls are substantially identical. The MS4 operator may allow the use of one or all of the following methods for such demonstration: (1) submission of a narrative description and a site map; (2) submission of matrices; or (3) submission of model matrices. Detailed guidance on each of the three options for demonstrating substantially identical outfalls is provided on pages 106 and 107 of the NPDES Storm Water Sampling Guidance Document (EPA 833-B-92-001), available on EPA's website at http://www.epa.gov/npdes/pubs/owm0093.pdf.

(1) Type 1 facilities are municipal landfills; hazardous waste treatment, disposal and recovery facilities; facilities that are subject to EPCRA Title III, Section 313; and industrial facilities the permittee(s) determines are contributing a substantial pollutant loading to the Municipal Separate Storm Sewer System. Analytical monitoring of the following parameters shall be conducted at Type 1 facilities which discharge to the Municipal Separate Storm Sewer System:

- any pollutants limited in an existing NPDES permit for a subject facility;
- oil and grease;
- chemical oxygen demand (COD);
- pH;
- biochemical oxygen demand, five-day (BOD_5);
- total suspended solids (TSS);

- total phosphorous;
- total Kjeldahl nitrogen (TKN);
- nitrate plus nitrite nitrogen;
- any discharge information required under 40 CFR 122.21(g)(7)(iii) and (iv);
- total cadmium;
- total chromium ;
- total copper;
- total lead;
- total nickel;
- total silver; and
- total zinc.

Frequency of monitoring shall be established by the permittee(s), but may not be less than once per year.

In lieu of the above parameter list, the permittee(s) may alter the monitoring requirement for any individual Type 1 facility:

(a) to coincide with the corresponding industrial sector-specific monitoring requirements of the Multi-Sector General Storm Water Permit (October 30, 2000, 65 FR 64801) or any applicable general permit issued after October 30, 2000. This exception is not contingent on whether a particular facility is actually covered by the general permit; or

(b) to coincide with the monitoring requirements of any individual permit for the storm water discharges from that facility.

The optional monitoring list must be supplemented by any pollutants of concern identified by the permittee(s) for that facility.

(2) Type 2 facilities are other municipal wastes treatment, storage, or disposal facilities (e.g., POTWs, transfer stations, incinerators) and industrial or commercial facilities the permittee(s) believe are contributing pollutants to the Municipal Separate Storm Sewer System. Appropriate monitoring (e.g., analytic, visual), as determined by the permittee(s), shall be conducted at Type 2 facilities which discharge to the Municipal Separate Storm Sewer System. The permittee(s) shall include in the Annual Report a list of parameters of concern and monitoring frequencies required for each type of facility.

(3) No Exposure Certification: In lieu of analytic monitoring, the permittee(s) may accept copy of certification from a facility made to EPA under 40 CFR 122.26(g).

B. **Area-specific Storm Water Management Program Requirements.** Permittees are required to develop and implement measures necessary to bring the discharge into compliance with the Middle Rio Grande Total

Maximum Daily Load (TMDL) for Fecal Coliform. Specific permit requirements to implement the TMDL are included in Part III, Table III.B.

The permittees shall conduct a five year monitoring study to collect samples and test storm water for its toxic effects on the fathead minnow (*Pimephales promalas*). Within 6 months from the effective date of the permit, the permittees shall develop a monitoring strategy for this study in coordination with the U.S. Fish and Wildlife Service, Albuquerque Ecological Field Services Office and EPA. The monitoring strategy must be consistent with EPA toxicity monitoring and testing protocols and may include the use of additional standard EPA freshwater toxicity test organisms, such as *Ceriodaphnia dubia*. The monitoring strategy must include a provision to notify the EPA immediately upon the detection of any toxicity. The completed monitoring strategy shall be implemented immediately and shall be added to the Storm Water Management Program in accordance with Part II.G.2.b. Implementation shall include monitoring of one storm event per year, at minimum, for the NPDES permit term. The permittee(s) shall provide EPA with status updates of the toxicity study, including monitoring data, in accordance with the annual reporting requirements in Part V.C. Before the expiration of the permit term (5 years), the permittee(s) shall compile a final report containing the monitoring data, the results of toxicity testing, an evaluation of the toxicants (if any), and the permittees' actions to eliminate that toxicity, including activities ongoing during the current permit term and any needed activities which would extend past the five year permit term.

C. **Deadlines for Program Implementation.** Except as provided in Part III, or in any implementation schedule in the Storm Water Management Program that is not in conflict with a Part III schedule, full implementation of the Storm Water Management Program shall begin within 90 days from the effective date of the permit.

D. **Roles and Responsibilities of Permittee(s).** The Storm Water Management Program, together with any attached interagency agreements, shall clearly identify the roles and responsibilities of each permittee.

E. **Legal Authority.** Each permittee shall ensure legal authority to control discharges to and from those portions of the Municipal Separate Storm Sewer System over which it has jurisdiction. This legal authority may be a combination of statute, ordinance, permit, contract, order or inter-jurisdictional agreements with permittees with existing legal authority to:

1. Control the contribution of pollutants to the Municipal Separate Storm Sewer System by storm water discharges associated with industrial activity and the quality of storm water discharged from sites of industrial activity;

2. Prohibit illicit discharges to the Municipal Separate Storm Sewer System;

3. Control the discharge of spills and the dumping or disposal of materials other than storm water (e.g. industrial and commercial wastes, trash, used motor vehicle fluids, leaf litter, grass clippings, animal wastes, etc.) into the Municipal Separate Storm Sewer System;

4. Control through interagency or interjurisdictional agreements among permittees the contribution of pollutants from one portion of the Municipal Separate Storm Sewer System to another;

5. Require compliance with conditions in ordinances, permits, contracts or orders; and

6. Carry out all inspection, surveillance and monitoring procedures necessary to determine compliance with permit conditions.

F. Storm Water Management Program Resources. Each permittee shall provide adequate finances, staff, equipment, and support capabilities to implement their activities under the Storm Water Management Program.

G. Storm Water Management Program Review and Update.

1. *Storm Water Management Program Review:* Each permittee shall participate in an annual review of the current Storm Water Management Program in conjunction with preparation of the annual report required under Part V.C.

2. *Storm Water Management Program Update:* The permittee(s) may change the Storm Water Management Program during the life of the permit in accordance with the following procedures:

   a. The approved Storm Water Management Program shall not be changed by the permittee(s) without the approval of the Director, unless in accordance with Parts II.G.2.b., c., or d.

   b. Changes adding (but not subtracting or replacing) components, controls, or requirements to the Storm Water Management Program may be made by the permittee(s) at any time upon written notification to the Director.

   c. Changes replacing an ineffective or unfeasible BMP specifically identified in the Storm Water Management Program with an alternate BMP may be requested at any time. Unless denied by the Director, changes proposed in accordance with the criteria below shall be deemed approved and may be implemented by the permittee(s) 60 days from submittal of the request. If request is denied, the Director will send the permittees a written response giving a reason for the decision. Such requests shall include the following:

      (1) an analysis of why the BMP is ineffective or infeasible (including cost prohibitive),

      (2) expectations on the effectiveness of the replacement BMP, and

      (3) an analysis of why the replacement BMP is expected to achieve the goals of the BMP to be replaced.

   d. Changes resulting from schedules contained in Part III. may be requested following completion of an interim task or final deadline. Unless denied by the Director, proposed changes meeting

the criteria contained in the applicable Part III schedule shall be deemed approved and may be implemented by the permittee(s) 60 days from submittal date.

e. Change requests or notifications shall be made in writing, signed in accordance with Part VI.H. by all directly affected permittees, and include a certification that all permittees were given an opportunity to comment on proposed changes prior to submittal to the Director.

3. *Storm Water Management Program Updates Required by the Director:* The Director may require changes to the Storm Water Management Program as needed to:

a. address impacts on receiving water quality caused, or contributed to, by discharges from the Municipal Separate Storm Sewer System;

b. include more stringent requirements necessary to comply with new State or Federal statutory or regulatory requirements; or

c. include such other conditions deemed necessary by the Director to comply with the goals and requirements of the Clean Water Act.

Changes requested by the Director shall be made in writing, set forth the time schedule for the permittee(s) to develop the changes, and offer the permittee(s) the opportunity to propose alternative program changes to meet the objective of the requested modification. All changes required by the Director shall be made in accordance with 40 CFR 124.5, 40 CFR 122.62, or as appropriate 40 CFR 122.63.

4. *Transfer of Ownership, Operational Authority, or Responsibility for Storm Water Management Program Implementation:* The permittee(s) shall implement the Storm Water Management Program on all new areas added to their portion of the Municipal Separate Storm Sewer System (or for which they become responsible for implementation of storm water quality controls) as expeditiously as practicable, but not later than one year from addition of the new areas. Implementation may be accomplished in a phased manner to allow additional time for controls that cannot be implemented immediately.

Within 90 days of a transfer of ownership, operational authority, or responsibility for storm water management program implementation, the permittee(s) shall have a plan for implementing the Storm Water Management Program on all affected areas. The plan may include schedules for implementation. Information on all new annexed areas and any resulting updates required to the Storm Water Management Program shall be submitted in the annual report.

H. Retention of Storm Water Management Program Records. The permittee shall retain Storm Water Management Program records developed in accordance with Parts II. and III. for at least 5 years after coverage under this permit terminates.

PART III. SCHEDULES FOR IMPLEMENTATION AND COMPLIANCE.

A. **Implementation and Augmentation of Storm Water Management Program(s).** The permittee(s) shall comply with the schedules contained in Tables III.A and III.B for Storm Water Management Program implementation and augmentation, and permit compliance. The Director shall have sixty (60) days from receipt of an update or augmentation made in compliance with Part III to provide comments or request revisions. The permittee(s) shall have thirty (30) days from receipt of the Director's comments or required revisions to submit a response.

B. **Compliance with effluent limitations. Reserved.**

C. **Reporting compliance with schedules.** No later than 14 days following a date for a specific action (interim milestone or final deadline) identified in the Part III schedule(s), the permittee(s) shall submit a written notice of compliance or noncompliance to the Director in accordance with Parts V.E.

D. **Updating Storm Water Management Program.** The permittee(s) shall update the Storm Water Management Program(s), as appropriate, in response to changes required by Part III.A. Such updates shall be made in accordance with Part II.G.2.

Table III.A - Implementation and Augmentation of Storm Water Management Program(s).

STORM WATER MANAGEMENT PROGRAM COMPONENT	ACTIVITY	RESPONSIBLE PERMITTEE(S)	DATE DUE (from effective date of permit)
1. General	a. Develop and submit a program describing procedures to ensure that public participation is a component of the storm water management program. The program shall include procedures for ensuring that core items developed to comply with Table III.A schedules are available for public review, and that applicable State, Tribal, and local public notice requirements are complied with.	Albuquerque/AMAFCA NMSHTD UNM	June1, 2004
	b. Submit copies of new or revised ordinances adopted to implement the SWMP and other permit conditions.	Albuquerque/AMAFCA	December 1, 2005
2. SWMP Document	a. Submit copy of each permittee's SWMP revised as necessary to reflect final permit conditions and adjustment of time period-based (e.g. 18 months) schedule dates to reflect actual calendar dates based on the permit effective date. SWMP revisions shall follow the format in the City's SWMP and shall include:: 1) Incorporation of Part III compliance schedules 2) Incorporate measurable goals for each of the program elements included in Part II.A of the permit* 3) Months and years in which required actions will be taken, including interim milestones and the frequency of the actions	Albuquerque/AMAFCA NMSHTD UNM	December 1, 2004
	b. Revise SWMP document to include programs for all campuses in one document.	UNM	December 1, 2004

STORM WATER MANAGEMENT PROGRAM COMPONENT	ACTIVITY	RESPONSIBLE PERMITTEE(S)	DATE DUE (from effective date of permit)
3. Structural Controls (Part II.A.1)	a. Revise SWMP to include a list of all storm water quality facilities by drainage basin, including location and description. List shall include record of maintenance and inspections.	Albuquerque/AMAFCA NMSHTD UNM	December 1, 2004
	b. Revise Inspection and Maintenance program to include a target number of structures per basin to be cleaned per quarter.	Albuquerque/AMAFCA NMSHTD UNM	December 1, 2004
4. Areas of New Development and Significant Redevelopment (Part II.A.2.a and b.)	a. Submit revisions to master planning, design review and approval procedures (SWMP Chapter 1, Section A.2) to incorporate requirements for post construction controls to minimize discharge of pollutants from areas of new development and significant redevelopment. At a minimum, the revised program shall include: 1.) Guidance document with required storm water management technical standards and design guidelines. The document shall contain requirements for all projects; must address all areas, with special requirements for environmentally sensitive areas; shall be developed for use during planning and design stages of projects; and shall contain requirements for structural and non-structural controls. In developing the optimum measures for environmentally sensitive areas, the permittees should consult with the entities involved as to what controls will be appropriate and acceptable. Environmentally sensitive areas are areas in critical watersheds, areas with endangered species concerns, and riparian areas. 2.) Appropriate criteria for defining projects required to undergo formal review of storm water pollutant impacts for use during review and approval process. 3.) Submit copies of revised administrative procedures and any necessary revisions to ordinances (City of Albuquerque).	Albuquerque/AMAFCA UNM	December 1, 2005

STORM WATER MANAGEMENT PROGRAM COMPONENT	ACTIVITY	RESPONSIBLE PERMITTEE(S)	DATE DUE (from effective date of permit)
	b. Submit certification of the implementation of the revised master planning, formal adoption of guidance document and control requirements and incorporation of standards into master planning and plan review and approval process.	Albuquerque/AMAFCA UNM	December 1, 2006
	c. Develop and submit program describing criteria and procedures for determining requirements for structural and non structural **post-construction** storm water quality controls on new and significant reconstruction of roads and highways. The program shall include the following: 1.) Guidance manual for design and maintenance of structural and non structural controls to control pollutants in storm water runoff from highways. 2.) Detailed description of master planning and project planning procedures to reduce the discharge of pollutants from NMSHTD's MS4 within Albuquerque's corporate city limits. 3.) Identification of areas that are sensitive to the effects of urbanization and highway construction. 4.) Specific procedures for estimating the impacts to the water quality of the stream that would receive storm water runoff from new construction and significant reconstruction of highways. 5.) A process for evaluating and selecting alternative best management practices to mitigate the impacts on water quality. 6.) Special requirements for projects that may impact environmentally sensitive/unique areas. 7.) The criteria shall be implemented during project planning and design of new and reconstruction of projects.	NMSHTD	December 1, 2005
	d. Submit certification of the implementation of program described in item c. above for all new projects and for significant reconstruction of roads and highways by NMSHTD within the permit area.	NMSHTD	December 1, 2006

STORM WATER MANAGEMENT PROGRAM COMPONENT	ACTIVITY	RESPONSIBLE PERMITTEE(S)	DATE DUE (from effective date of permit)
5. Roadways (Part II.A.3)	a.Develop and submit an operational manual for de-icing activities addressing alternate materials and methods to minimize impacts to storm water quality.	Albuquerque/AMAFCA NMSHTD	June 1, 2005
	b. Develop and submit a program to control pollution in storm water runoff from equipment/vehicle maintenance yards and maintenance center operations.	Albuquerque/AMAFCA	June 1, 2005
	c. Revise street sweeping program with increased frequencies, taking into account leaf litter in the fall, de-icing operations in the winter and proximity to water bodies and conveyances.	Albuquerque/AMAFCA	June 1, 2005
	d. Submit certification of the implementation of the revised de-icing practices, BMPs to control pollution in storm water runoff from equipment/vehicle maintenance yards and maintenance center operations, and revised street sweeping program.	Albuquerque/AMAFCA	December 1, 2005
	e. Submit revisions to the SWMP describing maintenance practices for streets, roads and highways, to include: 1.) Specific practices to reduce to the Maximum Extent Practicable (MEP) pollutants from road and highway repair, equipment/vehicle yards and materials storage/ maintenance facilities. 2.) Roads and highways sweeping schedules and frequencies with priorities, taking into account leaf litter in the fall, de-icing operations in the winter and proximity to water bodies and conveyances. 3.) Description of criteria for litter control targets with priorities (e.g. proximity to receiving waters) within the permit area. 4.) Control measures to minimize the discharge of pollutants in storm water runoff related to deicing and sanding activities.	NMSHTD	December 1, 2004
	f. Submit certification of the implementation of the revised streets, roads and highways maintenance program.	NMSHTD	December 1, 2005

STORM WATER MANAGEMENT PROGRAM COMPONENT	ACTIVITY	RESPONSIBLE PERMITTEE(S)	DATE DUE (from effective date of permit)
	g. Develop and submit a permitting/certification program to ensure that entities applying for the use of Right of Way implement BMPs in their construction and maintenance procedures to minimize pollutants entering into NMSHTD's MS4.	NMSHTD	December 1, 2004
	h. Submit certification of the incorporation of BMP requirements into the of right of way permitting process.	NMSHTD	December 1, 2005
	i. Develop a litter source control program to include public awareness campaigns targeting the faculty and student bodies.	UNM	December 1, 2004
	j. Submit certification of implementation of the anti-litter educational/public awareness program.	UNM	December 1, 2005
6. Flood Control Projects and Structural Controls (Part II.A.4)	a. Develop and submit technical criteria guidance document and program for the assessment of water quality impacts and incorporation of water quality controls into future flood control projects. The criteria for future projects shall be implemented during the planning and design stages of projects. Impacts of new flood control projects on quality of receiving waters shall be assessed as part of the project approval process	Albuquerque/AMAFCA NMSHTD	June 1, 2005
	b. Develop and submit criteria, procedures and schedule to evaluate existing flood control devices/structures/drainage ways to assess the feasibility of retrofitting to provide additional pollutant removal from storm water.	Albuquerque/AMAFCA NMSHTD	June 1, 2005
	c. Submit a summary report of retrofit evaluations conducted on existing flood control devices/structures to benefit water quality. Update SWMP to include schedule (with priorities) for identified retrofit projects.	Albuquerque/AMAFCA NMSHTD	December 1, 2005

STORM WATER MANAGEMENT PROGRAM COMPONENT	ACTIVITY	RESPONSIBLE PERMITTEE(S)	DATE DUE (from effective date of permit)
	d. Submit certification of the implementation of program for water quality review of future flood control projects. Update SWMP to include schedule (with priorities) for identified retrofit projects.	Albuquerque/AMAFCA NMSHTD	December 1, 2005
	e. Begin implementation of retrofit program for identified projects.	Albuquerque/AMAFCA NMSHTD	December 1, 2006
7. Pesticide, Herbicide, and Fertilizer Application (Part II.A.5)	a. Submit revisions to the Pesticide, Herbicide and Fertilizer Program to include the following: 1.) Develop a public education program to advise the public on the proper use and application of pesticides, herbicides and fertilizers to minimize pollutants in storm water runoff. Program description to include schedules for specific activities and population targets. 2.) Develop and implement program to provide literature to the public on xeriscape landscaping for residential and commercial areas. 3.) Submit procedures and internal policies in place to ensure that the City's herbicide and pesticide applicators are properly trained and certified, and to ensure that the applicators use the least toxic products, and minimize use and application rates. 4.) Description of data monitoring system for all City departments utilizing pesticides, herbicides and fertilizers.	Albuquerque/AMAFCA	December 1, 2004
	b. Submit certification of implementation of revised Pesticide, Herbicide and Fertilizer Program..	Albuquerque/AMAFCA	December 1, 2005

STORM WATER MANAGEMENT PROGRAM COMPONENT	ACTIVITY	RESPONSIBLE PERMITTEE(S)	DATE DUE (from effective date of permit)
	c. Submit certification of implementation of Pesticide, Herbicide and Fertilizer Management program proposed in the SWMP.	UNM	December 1, 2004
8. Illicit Discharges and Improper Disposal (Part II.A.6.a)	a. Revise program to describe local controls or conditions on discharges exempted from the prohibition on non-storm water. For each category the permittees described as exempt, submit an explanation as to why the discharges are not reasonably expected to be significant sources of pollutants.	Albuquerque/AMAFCA NMSHTD UNM	December 1, 2004
	b. Define the term "not significantly chlorinated" in permittee's SWMP in terms of levels of chlorine	NMSHTD	December 1, 2004
9. Illicit Discharges and Improper Disposal - Overflows and Infiltration (Part II.A.6.b)	a. Revise program to prevent the discharge of pollutants from sanitary sewers into the MS4. The program shall include: 1.) Municipal controls used to address seepage from malfunctioning septic systems and on-site water systems into the storm sewer system. Program to include description of private sewage system regulations and procedures to reduce or prevent the possibility of illicit discharges from these systems, including seepage and infiltration into the MS4 system. 2.) Procedures to track and eliminate sanitary sewer overflow and exfiltration of wastewater into the MS4. 3.) Schedules and methods for sanitary sewer inspections, cleaning, maintenance and repairs, by basin. 4.) Procedures describing how findings from inspections are passed on to storm sewer maintenance personnel; how repairs of damaged sanitary lines are prioritized; and how sources are eliminated.	Albuquerque/AMAFCA	June 1, 2005
	b. Submit certification of implementation of revised program addressing prevention of sanitary overflows and limitation of sanitary seepage into the MS4.	Albuquerque/AMAFCA	December 1, 2005

STORM WATER MANAGEMENT PROGRAM COMPONENT	ACTIVITY	RESPONSIBLE PERMITTEE(S)	DATE DUE (from effective date of permit)
	c. Develop and submit procedures to advise appropriate utility owner of infiltration or overflows if constituents common to sanitary sewage contamination are discovered in the MS4.	NMSHTD1	June 1, 2004
	d. Submit certification of implementation of notification procedures included in c. above.	NMSHTD	December 1, 2004
	e. Submit summary of results of sanitary sewer system survey and plan for rehabilitation	UNM	December 1, 2004
	f. Submit certification of implementation of plan to rehabilitate.	UNM	December 1, 2005
10. Illicit Discharges and Improper Disposal - Floatables (Part II.A.6.c)	a. Schedules for control of floatables are included under Roadways (Item 5) and Floatables (Item 17).	N/A	N/A
11. Illicit Discharges and Improper Disposal - Household Hazardous Wastes/Motor Vehicle Fluids (Part II.A.6.d)	a. Develop and submit a program including standard operating procedures for collection of used motor vehicle fluids (at a minimum oil and antifreeze) and toxics (including paint, solvents, pesticides, herbicides, and other hazardous materials) used in NMSHTD and UNM operations or discarded in the MS4, for recycle, reuse, or proper disposal.	NMSHTD	December 1, 2004
	b. Submit certification of implementation of used motor vehicle fluids and toxics program.	NMSHTD	December 1, 2005

STORM WATER MANAGEMENT PROGRAM COMPONENT	ACTIVITY	RESPONSIBLE PERMITTEE(S)	DATE DUE (from effective date of permit)
12. Illicit Discharges and Improper Disposal - MS4 Inspections and Elimination of Illicit Discharges (Part II.A.6.e and f.)	a. Submit revisions to illicit discharge inspection and elimination program to include: 1.) Types of facilities/outfalls/sampling points subject to inspections. 2.) Inspection procedures, priorities and frequencies (e.g. commercial, residential, etc) 3.) Enforcement procedures for identified illicit dischargers and improper disposal practices. 4.)An updated list of dischargers to the MS4 that has been issued a NPDES permit. The list shall include the name, location and NPDES permit number of the discharger.	Albuquerque/AMAFCA	December 1, 2004
	b. Submit certification of implementation of revised illicit discharge inspection and elimination program.	Albuquerque/AMAFCA	December 1, 2005
	c. Develop and submit a program to locate and eliminate illicit discharges and improper disposal into the MS4. The program shall include: 1). Description of utility permitting process for storm drain connections to NMSHTD's MS4. 2). Inspections of drainage connections to NMSHTD's MS4, after project completion to ensure continued compliance with drainage connection permit requirements and to ensure that no illicit or non-permitted connections have been made. 3). Description of standard investigative procedures used to identify and report the source(s) of illicit connections or discharges. These procedures shall include notification to NMED and EPA of illicit connections. 4.) An updated list of dischargers to the MS4 that has been issued a NPDES permit. The list shall include the name, location and NPDES permit number of the discharger. 5). Description of public education/outreach activities to promote, publicize, and facilitate public reporting of the presence of illicit discharges and improper disposal of materials into the MS4.	NMSHTD	December 1, 2004
	d. Submit certification of the implementation of the illicit discharge investigation/elimination program.	NMSHTD	December 1, 2005

STORM WATER MANAGEMENT PROGRAM COMPONENT	ACTIVITY	RESPONSIBLE PERMITTEE(S)	DATE DUE (from effective date of permit)
	e. Revise illicit discharge inspection/elimination program to include: 1.) Expedited time schedule for removal of illicit discharges, after discovery. 2.) An updated list of dischargers to the MS4 that has been issued a NPDES permit. The list shall include the name, location and NPDES permit number of the discharger.	UNM	December 1, 2004
	f. Submit certification of the implementation of the illicit discharge inspection/elimination program.	UNM	June 1, 2005
13. Spill Prevention and Response (Part II.A.7)	a. Submit a revised Spill Prevention and Response Program including Spill Response Plan and Interagency agreements. Program shall describe specific procedures to prevent, contain, mitigate and respond to potential pollutant discharges to the MS4, to surface waters, and to environmentally sensitive areas.	NMSHTD UNM	December 1, 2004
	b. Submit certification of the implementation of the revised Spill Prevention and Response program.	NMSHTD UNM	June 1, 2005
14. Industrial and High Risk Runoff (Part II.A.8) and Industrial and High Risk Runoff Monitoring (Part II.A.11.c)	a. Submit a revised Industrial and High Risk Program to include: 1.) A list of the facilities that the City will include in their industrial runoff control program, by category and by basin. 2.)Schedules and frequency of inspection for listed facilities. 3.) Priorities for inspections and description of procedures used during inspections (e.g. inspection checklist, review for NPDES permit coverage; review of storm water pollution prevention plan; etc.). 4.) Updated list of industrial storm water sources discharging to the MS4.	Albuquerque/AMAFCA	December 1, 2004

STORM WATER MANAGEMENT PROGRAM COMPONENT	ACTIVITY	RESPONSIBLE PERMITTEE(S)	DATE DUE (from effective date of permit)
	b. Revise the Industrial and High Risk Program to include a monitoring program for storm water discharges from the facilities identified in the program included in item a. above, in accordance with Part II.A.11.c. Program to include: 1) Monitoring frequency 2) Parameters 3) Entity who will do monitoring and analyses (MS4 permittees or subject facility). The monitoring program may include a waiver of monitoring for parameters at individual facilities based on a "no-exposure" certification.	Albuquerque/AMAFCA	December 1, 2004
	c. Revise Industrial and High Risk runoff program to include a list of facilities that UNM will include in their industrial runoff control program, by category (e.g. research labs, maintenance yards, power plant, etc.). The program shall include: 1) Schedule and frequency of inspections for listed facilities. 2) Priorities and description of procedures used during inspections. 3.)A monitoring program for storm water discharges from the facilities identified above, in accordance with Part II.A.11.c.	UNM	December 1, 2004
	d. Submit certification of the implementation of the revised Industrial and High Risk Runoff and Monitoring Programs.	Albuquerque/AMAFCA UNM	December 1, 2005

STORM WATER MANAGEMENT PROGRAM COMPONENT	ACTIVITY	RESPONSIBLE PERMITTEE(S)	DATE DUE (from effective date of permit)
15. Construction Site Runoff (Part II.A.9)	a. Submit revisions to Construction Runoff Program to include: 1.) Manual with technical criteria and specific sediment and erosion BMPs required to reduce discharge of pollutants to receiving waters from construction activities. The manual shall contain requirements and guidelines for construction and maintenance of BMPs. Criteria shall be developed for all construction sites and may allow for different requirements depending on project size. 2.) Detailed description of sediment and erosion plan review process and criteria used to evaluate proposed controls. 3.) Procedures for inspecting construction sites for sediment and erosion controls. Minimum frequency of inspections; and inspector's checklist. 4.) Enforcement mechanisms for violations and penalties to deter infractions. 5.) Corrective action follow-up procedures. 6.) Review for NPDES compliance as appropriate. 7.) Procedures to address citizen complaints of offsite sedimentation problems, if applicable.	Albuquerque/AMAFCA UNM	December 1, 2004
	b. Submit certification of implementation of operator education and training programs as described in the SWMP.	Albuquerque/AMAFCA UNM	December 1, 2004
	c. Submit certification of formal adoption and implementation of revised Construction Runoff program.	Albuquerque/AMAFCA UNM	December 1, 2005

STORM WATER MANAGEMENT PROGRAM COMPONENT	ACTIVITY	RESPONSIBLE PERMITTEE(S)	DATE DUE (from effective date of permit)
	d. Submit revisions to Construction Runoff Program to include: 1.) Updated NPDES handbook to include latest revisions to EPA's General Permit for Storm Water Discharges from Construction Activities. 2.) Procedures for verification of construction permit coverage. 3.) Description of enforcement measures for contractors that are not in compliance with permit requirements. 4.) Description and frequencies of educational/training activities for construction personnel and contractors on the different aspects of the construction program.	NMSHTD	December 1, 2004
	e. Submit certification of implementation of revised Construction Runoff Program for all NMSHTD construction sites within the permit area.	NMSHTD	December 1, 2005
16. Public Education (Part II.a.10)	a. Submit revisions to the public education program to promote, publicize and facilitate public reporting of the presence of illicit discharges or improper disposal of materials to include detailed description of public education activities, target groups and schedule/frequencies of activities.	Albuquerque/AMAFCA	December 1, 2004
	b. Submit certification of the implementation of the public education program and inlet stenciling program.	Albuquerque/AMAFCA	December 1, 2005
	c. Develop and submit a public education program to promote, publicize, and facilitate public reporting of the presence of illicit discharges or improper disposal of materials into the MS4; and to promote, publicize, and facilitate the proper management and disposal of used oil and household hazardous wastes. The program shall include a detailed description of public education activities, target groups and schedule/frequencies of activities	NMSHTD	December 1, 2004

STORM WATER MANAGEMENT PROGRAM COMPONENT	ACTIVITY	RESPONSIBLE PERMITTEE(S)	DATE DUE (from effective date of permit)
	d. Submit certification of the implementation of the public education programs required in item c. above.	NMSHTD	December 1, 2005
	e. Submit revisions to the public education program to include information on what constitutes an illicit discharge; steps to report illicit discharges; information on proper management of oil and toxics and opportunities to recycle motor vehicle fluids; and detailed description of public education activities, with frequencies.	UNM	December 1, 2004
	f. Submit certification of the implementation of the public awareness program, inlet stenciling program and hotline for reporting illicit discharges.	UNM	December 1, 2005
17. Floatables	a. Develop a program to reduce the discharge of floatables and trash from the North Diversion Floodway Channel to the maximum extent practicable. Submit results of a study conducted to determine the most effective structural or treatment control BMPs to reduce the levels of floatables discharged through this storm water conveyance.	Albuquerque/AMAFCA	December 1, 2004
	b. Begin installation of permanent BMPs to control the discharge of floatables and trash from the North Diversion Floodway Channel to the Maximum Extent Practicable, based on results of the study included in item a. above.	Albuquerque/AMAFCA	December 1, 2006

STORM WATER MANAGEMENT PROGRAM COMPONENT	ACTIVITY	RESPONSIBLE PERMITTEE(S)	DATE DUE (from effective date of permit)
	c. Conduct evaluations of trash reduction needs from the entire MS4 and determine the most effective structural or treatment control BMPs to reduce the levels of floatables discharged through the MS4. The study should specifically address: 1) all conveyances discharging directly to the Rio Grande; 2) upstream contributing systems; 3) possible retrofits of detention basins for outlet structures to minimize the discharge of floatables; and 4) Source control requirements for floatables in commercial and industrial areas Results of the evaluation should be submitted in a report format and shall include recommendations and milestones for implementation.	Albuquerque/AMAFCA NMSHTD UNM	December 1, 2004
	d. Complete installation and implementation of BMPs and retrofit structures to control floatables and trash based on the result of the evaluation included in item c. above.	Albuquerque/AMAFCA NMSHTD UNM	December 1, 2005
	e. Begin implementation of requirements for source control of floatables in industrial and commercial areas.	Albuquerque/AMAFCA	December 1, 2005
	f. Develop a floatables monitoring program, install a floatables monitoring location and commence monitoring (See Part V.B.).	NMSHTD UNM	December 1, 2004
	g. Develop a floatables monitoring program, install two floatables monitoring locations and commence monitoring (See Part V.B.).	Albuquerque/AMAFCA	December 1, 2005

STORM WATER MANAGEMENT PROGRAM COMPONENT	ACTIVITY	RESPONSIBLE PERMITTEE(S)	DATE DUE (from effective date of permit)
18. Monitoring - Dry Weather Screening (Part II..A.11.a)	a. Submit a description of dry weather screening program for covering the entire MS4, but not necessarily each individual outfall. The purpose of this program is to identify problem areas and "hot spots" within the MS4 that may need further investigation. All major outfalls discharging directly to the Rio Grande must be screened at least once per year. The program shall include: 1.) Priorities for screening 2.) Description of screening procedures 3.) Major system points to be screened 4.) Annual commitments and means of calculating percent of system screening (e.g. percent of land area, etc.) 5.) Sampling and non-sampling methods for initial screening, and follow-up procedures if potential problem areas or "hot spots" are located.	Albuquerque/AMAFCA NMSHTD UNM	September 1, 2004
	b. Complete dry weather screening of 50% of the MS4.	Albuquerque/AMAFCA NMSHTD UNM	June 1, 2005
	c. Complete dry weather screening of 100% (cumulative) of the MS4.	Albuquerque/AMAFCA NMSHTD UNM	December 1, 2006
19. Monitoring - Wet Weather Screening (Part II..A.11.b)	a. Develop and submit a wet weather screening program satisfying the requirements of Part II.A.11.b.The purpose of this program is to identify problem areas and "hot spots" within the MS4 that may need further investigation. All major outfalls discharging directly to the Rio Grande must be screened at least once per year.	Albuquerque/AMAFCA NMSHTD UNM	September 1, 2004

STORM WATER MANAGEMENT PROGRAM COMPONENT	ACTIVITY	RESPONSIBLE PERMITTEE(S)	DATE DUE (from effective date of permit)
	b. Complete wet weather screening of 50% of the MS4.	Albuquerque/AMAFCA NMSHTD UNM	June 1, 2005
	c. Complete wet weather screening of 100% (cumulative) of the MS4.	Albuquerque/AMAFCA NMSHTD UNM	December 1, 2006
20. Supporting Permit Requirements	a. Submit updated description of the roles and responsibilities of co-permittees, including any interagency agreements developed for MS4 permitting purposes.	Albuquerque/AMAFCA NMSHTD UNM	December 1, 2004
21. Industrial High Risk Municipal Operations Note: Some of the requirements in this program are also developed under other program components. This item consolidate the pollution prevention/good	a. <u>Pollution Prevention/Good Housekeeping for Municipal Operations</u>. The permittee or MS4 operator, as applicable, shall: 1.) Develop and implement an operation and maintenance program that includes a training component and has the ultimate goal of preventing or reducing pollutant runoff from municipal operations due to activities, including but not limited to, park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and storm water system maintenance. The permittee shall address the following topics in the program: a. Maintenance activities, maintenance schedules, and long-term inspection procedures for controls to reduce floatables and other pollutants to the small MS4; b. Controls to reduce or eliminate the discharge of pollutants from streets, roads, highways, municipal parking lots, maintenance and storage yards, waste transfer stations, fleet or maintenance shops with outdoor storage areas, and salt and sand	Albuquerque/AMAFCA NMSHTD UNM	December 1, 2004

STORM WATER MANAGEMENT PROGRAM COMPONENT	ACTIVITY	RESPONSIBLE PERMITTEE(S)	DATE DUE (from effective date of permit)
housekeeping BMPs for municipal operations. Compliance items for these requirements under other program components are to	storage locations and snow disposal areas; c. Procedures to properly dispose of waste removed from the small MS4 and municipal operations, including dredge spoil, accumulated sediments, floatables, and other debris; d. Procedures to ensure that new flood management projects are assessed for impacts on water quality and existing projects are assessed for incorporation of additional water quality protection devices or practices; 2.) Include the following information in the SWMP: a. A list of the municipal operations impacted by this operation and maintenance program;		
be consolidated and also submitted under this program item.	b. A list of industrial facilities (other than large construction activities defined as industrial activity) owned or operated by the permittee that ultimately discharge to the small MS4 and are subject to: i. The Multi-Sector General Permit (MSGP), or ii. Individual NPDES permit for discharges of storm water associated with industrial activity. c. A map showing the industrial facilities owned and operated by the MS4; d. The EPA permit authorization number or a MSGP NOI form for each facility; e. A description of the training program for municipal employees; f. A list of measurable goals for the municipal pollution prevention program; g. Dates by which the permittee will achieve specific measurable goals; and h. The name of the person(s) responsible for implementing and coordinating employee training and pollution prevention activities.	Albuquerque/AMAFCA NMSHTD UNM	December 1, 2004

Note: The "Certification of Implementation" is a letter from the permittee to EPA, stating that the program or permit condition has been implemented by the date due. The certification needs to be signed in accordance with Part VI.H Signatory Requirements of the permit.

* Guidance on measurable goals is found at

I.http://www.epa.gov/npdes/stormwater/measurablegoals/index.htm.

The following requirements are included to implement the requirements in the Middle Rio Grande Total Maximum Daily Load (TMDL) for Fecal Coliform developed by the State of New Mexico.

TABLE III.B - Implementation of Fecal Coliform TMDL

Activity	Responsible Permittee	Draft Available for public review and comment	Compliance Date (from the effective date of the permit)
1.0 **Source Categories**. Develop and submit a list of potential categories of fecal coliform sources by watershed and watershed density (undeveloped, low, moderate, high), covering the entire permit area. 1.1 **Legal Authority** Evaluate adequacy of existing legal authority to implement the conditions included in this Table. Where existing ordinances are lacking, provide a schedule for obtaining the necessary legal authority. Ordinances shall be in place prior to the implementation of the programs.	Albuquerque/ AMAFCA NMSHTD UNM	1 month prior to compliance date	June 1, 2004
2.0 **Dry Weather Investigation.** Develop and submit a dry weather field investigation program, by watershed, to identify and isolate fecal coliform sources that occur during dry weather so that they can be reduced/eliminated. The program shall address the sources identified in item 1.0 above. The program shall address the suitability of each of the following measures and shall include detailed description of activities and frequencies. 2.1 **Low Density Watersheds**: 2.1.1 Conduct dry weather channel survey 2.1.2 Conduct survey of septic systems (e.g. aerial, ground, etc.) 2.1.3 Conduct visual or tracer tests on suspected failing systems 2.1.4 Investigate recreational and seasonal sewage dischargers 2.1.5 Conduct ARA and study to determine whether fecal coliforms are of human or nonhuman origin 2.1.6 Test ditch or channel sediments to see if they are a bacteria source or reservoir 2.2 **Moderate/High Density Watersheds**: 2.2.1 Conduct dry weather channel survey 2.2.2 Test for Illicit connections 2.2.3 Check integrity of major trunk lines for cracks and leaks 2.2.4 Check for historic and unconnected septic systems 2.2.5 Conduct ARA and study to determine whether fecal coliforms are of human or nonhuman origin 2.2.6 Check ponds, lakes and impoundments for waterfowl concentrations	Albuquerque/ AMAFCA NMSHTD UNM	2 months prior to compliance date	September 1, 2004

Activity	Responsible Permittee	Draft Available for public review and comment	Compliance Date (from the effective date of the permit)
3.0 **Wet Weather Investigation** Develop and submit a wet weather field investigation program, by watershed, to identify and isolate fecal coliform sources that occur during wet weather so that they can be reduced/eliminated. The program shall address the sources identified in item 1.0 above. The program shall address the suitability of each of the following measures and shall include detailed description of activities and frequencies. 3.1 **Low Density Watersheds** 3.1.1 Inspect septic systems for wet-weather failure 3.1.2 Conduct comprehensive wet weather monitoring to isolate subwatershed hot spots 3.1.3 Submit results of the Antibiotic Resistance Analysis and the study to determine whether fecal coliforms are of human or nonhuman origin 3.1.4 Sample runoff from suspected source areas (e.g. hobby farms and livestock areas) 3.1.5 Test storm drain or channel sediments to see if they are a bacteria sink or source 3.2 **Moderate/High Density Watersheds**: 3.2.1 Check for chronic sanitary sewer overflows at specific manholes and /or pumping stations 3.2.2 Submit results of the Antibiotic Resistance Analysis and the study to determine whether fecal coliforms are of human or nonhuman origin 3.2.3 Conduct comprehensive wet weather monitoring to identify key source areas or subwatersheds	Albuquerque/ AMAFCA NMSHTD UNM	2 months prior to compliance date	September 1, 2004
4.0 Submit certification of the full implementation of the dry and wet weather field investigation programs.	Albuquerque/ AMAFCA NMSHTD UNM	N/A	June 1, 2005
5. 0 **Fecal Coliform Reduction and Treatment** Develop and submit a program for reducing or treating existing fecal coliform sources, by watershed and watershed density. The program shall address the sources identified in items 3.0 and 4.0 above. The program shall address the suitability of each of the following measures and shall include detailed description of activities and frequencies. Where activities are to be performed by entities other than the permittee, describe enforcement mechanism to be used to ensure compliance. 5.1 **Low Density Watersheds**	Albuquerque/ AMAFCA NMSHTD UNM	6 months prior to compliance date	June 1, 2005

Activity	Responsible Permittee	Draft Available for public review and comment	Compliance Date (from the effective date of the permit)
5.1.2 Rehabilitate failing septic systems 5.1.3 Connect failing septic systems to sewer 5.1.4 Increase septic system clean outs 5.1.5 Retrofit storm water ponds 5.1.6 Retrofit ditches as dry swales 5.1.7 Waterfowl management 5.1.8 Install recreational vehicle sewage pumpouts 5.1.9 Implement conservation plans at hobby farms 5.2 **Moderate/High Density Watersheds**: 5.2.2 Eliminate illicit connections to storm sewer 5.2.2 Rehabilitate existing sewer system to eliminate sanitary sewer overflows 5.2.3 Relocate storm outfalls 5.2.4 Disinfect at the end of pipe 5.2.5 Retrofit storm water ponds 5.2.6 Retrofit ditches as dry swales 5.2.7 Waterfowl harrasment 5.2.8 Enforce pet waste disposal 5.2.9 Implement conservation plans at hobby farms			
6.0 Submit certification of the full implementation of fecal coliform reduction and treatment program.	Albuquerque/ AMAFCA NMSHTD UNM	N/A	December 1, 2005
7.0. **Prevention of Future Fecal Discharges** Develop and submit a program for preventing future fecal coliform discharges, by watershed. The program shall address at a minimum, the measures included below, with detailed description of activities and frequencies. Where activities are to be performed by entities other than the permittee, describe enforcement mechanism to be used to ensure compliance. 7.1 **Low Density Watersheds** 7.1.1 Land use management 7.1.2 Stringent septic system requirements:	Albuquerque /AMAFCA NMSHTD UNM	6 months prior to compliance date	June 1, 2005

Activity	Responsible Permittee	Draft Available for public review and comment	Compliance Date (from the effective date of the permit)
7.1.2.1 Feasibility criteria 7.1.2.2 Setbacks 7.1.2.3 Reserve field requirements 7.1.2.4 Minimum lot size 7.1.2.5 Technology criteria 7.1.2.6 Inspections 7.1.2.7 Maintenance requirements 7.1.3 Stream/ ditches buffers and access restrictions 7.1.4 Livestock fencing 7.1.5 Wildlife control 7.1.6 Land application criteria for biosolids 7.1.7 Storm water treatment for new development 7.1.8 Public education 7.1.9 Recreational vehicle and park sewage pump-out facilities 7.2 **Moderate/High Density Watersheds**: 7.2.1 New Sewer Testing 7.2.2 Inspection of new sewer hookups 7.2.3 SSO monitoring and prevention 7.2.4 Storm water treatment for new development 7.2.5 Optimal storm water outfall location 7.2.6 Engineered stream buffers 7.2.7 Pet Exclusion 7.2.8 Waterfowl control /management 7.2.9 Public education on pet waste 7.2.10 Transient sewage disposal 7.2.11 Septic system rehabilitation 7.2.12 Intensive sanitary sewer controls/faster spill response 7.2.13 Public education/Hotline reporting procedures 7.2.14 Livestock fencing			
8.0 Submit certification of the implementation of the program to prevent future fecal coliform sources.	Albuquerque /AMAFCA	N/A	December 1,

Activity	Responsible Permittee	Draft Available for public review and comment	Compliance Date (from the effective date of the permit)
	NMSHTD UNM		2005
9.0 **Monitoring Program** Develop a monitoring program, in consultation with the State of New Mexico, to assess BMP effectiveness and compliance with Fecal Coliform TMDL at North Diversion Floodway Channel, San Jose Drain, South Diversion Channel and Tijeras Arroyo. Target values and equation for comparison of loadings are included in Table III.B.2 below. While developing this monitoring program, the permitees should take into account the frequency of storm events, and the variation in Fecal Coliform levels, within individual storm event. Collection and analysis of samples shall be conducted in accordance with Part V requirements. Results shall be submitted in Discharge Monitoring Report (DMR) forms.	Albuquerque /AMAFCA NMSHTD UNM	6 months prior to compliance date	December 1, 2005
10.0 Submit certification of the full implementation of the monitoring program to assess BMP effectiveness.	Albuquerque /AMAFCA NMSHTD UNM	N/A	December 1, 2006
11.0 **BMP Assessment** Submit BMP evaluations and assessment, and revisions to the programs above if deemed necessary, based on monitoring data obtained.	Albuquerque /AMAFCA NMSHTD UNM	6 months prior to compliance date	June 1, 2008
12. 0 **Annual TMDL Progress Reports** The permittees shall submit annual reports describing progress on the activities required in Table III.B. to comply with the Fecal Coliform TMDL. The reports shall follow the requirements included in Part V.C, items 1, 4, 6 and 7, but shall be submitted separately from the Annual Report covering all other items of the permit. Results of the monitoring program shall be summarized in the Annual TMDL Progress Report and shall include graphic representation of fecal coliform trends. The Annual TMDL Progress Report shall also include computations of annual percent reduction achieved from the baseline loads and comparisons with the target loads.	Albuquerque /AMAFCA NMSHTD UNM	N/A	Annually on December 1st.

Table III.B.2
Numeric Target Values for Storm water Conveyances[1]

Conveyance	(30-day geometric mean)
North Diversion Floodway Channel	6.438×10^{11} cfu/day
San Jose Drain	1.068×10^{10} cfu/day
South Diversion Channel	1.444×10^{11} cfu/day
Tijeras Arroyo	1.199×10^{11} cfu/day

Formular to Compare Actual Loadings to Target Values

The resultant formular for Fecal Coliform TMDL should be used to address Fecal Coliform loadings:

C as cfu/100 ml * 1000 ml/1 L /0.264 gallons * Q = cfu/day

Where: C = 30-day geometric mean FC concentration
Q = event flow in million gallons/day

[1]Middle Rio Grande Total Maximum Daily Load for Fecal Coliform, NMED, 2001

Conveyance	(30-day geometric mean)

PART IV. DISCHARGE LIMITATIONS.

1. Discharge Limitations. **Reserved**

PART V. MONITORING AND REPORTING REQUIREMENTS.

A. <u>Storm Event Discharges.</u>

1. *Representative Monitoring:* Monitoring shall be conducted on representative outfalls, internal sampling stations, and/or instream monitoring locations to characterize the quality of storm water discharges from the Municipal Separate Storm Sewer System.

   a. Monitoring Requirements: Refer to Tables V.A.1.a.(1) and (2)

   b. Outfall Descriptions: Refer to Table V.A.1.b.

   c. Alternate representative monitoring locations may be substituted for just cause during the term of the permit. Requests for approval of alternate monitoring locations shall be made to the Director in writing and include the rationale for the requested monitoring station relocation. Unless disapproved by the Director, use of an alternate monitoring location (except for outfalls with numeric effluent limitations) may commence 30 days from the date of the request. For outfalls where numeric effluent limitations have been established, the permit must be modified prior to substitution of alternate monitoring locations. Six samples shall be collected during the first year of monitoring at substitute outfalls.

2. *Representative Monitoring - Rapid Bioassessment Option:* The permittee(s) has the option of developing and implementing a rapid bioassessment monitoring program.

   a. The permittee(s) shall obtain all necessary aquatic wildlife collection permits from appropriate State and/or Federal agencies (e.g. State Fish and Game Commission).

   b. Permittee(s) utilizing the rapid bioassessment monitoring option shall conduct monitoring of the separate storm sewer system as described in Part V.A.1, except the monitoring for years 2, 3, and 5 for all parameters except fecal coliform, is no longer required. All other requirements of Part V.A.1., A.3., and A.4. (e.g.: samples types, parameters, etc.) remain unchanged.

   c. If the permittee(s) elects to develop and implement a rapid bioassessment monitoring program, the permittee(s) shall submit an approvable monitoring program to EPA no later than one year from the effective date of this permit. An approvable program must include:

      (1) monitoring of at least two locations in the Rio Grande receiving storm water discharges from the

municipal separate storm sewer system plus a reference site located within the same ecological region as the municipal separate storm sewer system;

(2) monitoring of each station at least twice per year, with monitoring conducted at essentially the same time periods each year; and

(3) concurrent (e.g. within a day or two) monitoring of the reference site each time a station located in the receiving waters of the municipal separate storm sewer system is monitored.

Unless disapproved by the Director within 60 days, a proposed rapid bioassessment monitoring plan meeting the criteria herein shall be deemed approved and the permittee(s) may implement the alternate rapid bioassessment program.

d. The permittee(s) shall notify the Director and State (addresses provided in Part V.E.), in writing, at least 14 days prior to commencing an alternate rapid bioassessment monitoring program.

3. *Storm Event Data:* For Part V.A.1. and any additional sampling conducted for Part V.A.5., quantitative data shall be collected to estimate pollutant loadings and event mean concentrations for each parameter sampled. Records shall be maintained of all analytical results, the date and duration (in hours) of the storm event(s) sampled; rainfall measurements or estimates (in inches) of the storm event which generated the sampled runoff; the duration (in hours) between the storm event sampled and the end of the previous measurable (greater than 0.1 inch rainfall) storm event; and an estimate of the total volume (in gallons) of the discharge sampled.

4. *Sample Type, Collection, and Analysis:* The following requirements apply only to storm event discharge samples collected for **Part V.A.1 and A.5.**

a. Composite Samples: Flow weighted composite samples shall be collected as follows:

(1) Composite Method - Flow-weighted composite samples may be collected manually or automatically. For both methods, equal volume aliquots may be collected at the time of sampling and then flow-proportioned and composited in the laboratory, or the aliquot volume may be collected based on the flow rate at the time of sample collection and composited in the field.

(2) Sampling Duration - Samples shall be collected for at least the first three (3) hours of discharge. Where the discharge lasts less than three (3) hours, the entire discharge must be sampled.

(3) Aliquot Collection - A minimum of three aliquots per hour, separated by at least fifteen (15) minutes, shall be collected. Where more than three aliquots per hour are collected, comparable intervals between aliquots shall be maintained (e.g. six aliquots per hour, at least seven (7) minute intervals).

b. Grab Samples: Grab samples shall be taken during the first two hours of discharge.

c. Representative Storm Events: Samples shall be collected from the discharge resulting from a storm event that is greater than 0.1 inches in magnitude and that occurs at least 72 hours from the previously measurable (greater than 0.1 inch rainfall) storm event.

The required 72 hour storm event interval is waived where the preceding measurable storm event did not result in a measurable discharge. The required 72 hour storm event interval is also waived where the permittee(s) documents that less than a 72 hour interval is representative for local storm events during the season when sampling is being conducted.

d. Analytical Methods: Analysis and collection of samples shall be done in accordance the methods specified at 40 CFR Part 136. Where an approved Part 136 method does not exist, any available method may be used unless a particular method or criteria for method selection (such as sensitivity) has been specified in the permit.

5. *Seasonal Loadings and Event Mean Concentrations.* All necessary sampling data shall be collected to provide estimates for each major outfall (or appropriate sub-watershed) of seasonal pollutant loadings and event mean concentrations for a representative storm event for the parameters listed in **Table V.A.1.a.(1) - Representative Monitoring Annual Requirements**. This information may be estimated from the representative monitoring locations and shall take into consideration land uses and drainage areas for the outfall. The estimates of seasonal loadings and event mean concentrations shall be included in the Annual Report for year four of the permit.

A. Floatables Monitoring. The permittees shall establish locations for monitoring floatable material in discharges to or from their Municipal Separate Storm Sewer System, as follows: Albuquerque/AMAFCA - two stations; NMSHTD and UNM - one station each. Floatable material shall be monitored at least twice per year. The amount of material collected shall be estimated in cubic yards.

B. Annual Report. Each permittee shall contribute to the preparation of an annual system-wide report to be submitted by no later than **February 1st.** The report shall cover the previous year from **January 1st to December 31st** and include the following separate sections, with an overview for the entire Municipal Separate Storm Sewer System and subsections for each permittee:

1. The status of implementing the storm water management program(s) (status of compliance with any schedules established under this permit shall be included in this section);

2. Proposed changes to the storm water management program(s) ;

3. Revisions, if necessary, to the assessments of controls and the fiscal analysis reported in the permit application under 40 CFR 122.26(d)(2)(iv) and (d)(2)(v);

4. A summary of the data, including monitoring data, that is accumulated throughout the year; actual values of representative monitoring results shall be included, if results are below minimum analytical level (MAL);

5. Annual expenditures for the reporting period, with a breakdown for the major elements of the storm water management program, and the budget for the year following each annual report;

6. A summary describing the number and nature of enforcement actions, inspections, and public education programs; and

7. Identification of water quality improvements or degradation.

Preparation and submittal of a system-wide annual report shall be coordinated by the **City of Albuquerque**. The report shall indicate which, if any, permittee(s) have failed to provide the required information on the portions of the Municipal Separate Storm Sewer System for which they are responsible to the **City of Albuquerque.** Joint responsibility for report submission shall be limited to participation in preparation of the overview for the entire system and inclusion of the identity of any permittee who failed to provide input to the annual report. Each individual permittee shall be individually responsible for content of the report relating to the portions of the Municipal Separate Storm Sewer System for which they are responsible and for failure to provide information for the system-wide annual report in a timely manner. Each permittee shall sign and certify the annual report in accordance with Part VI.H. and include a statement or resolution that the permittee's governing body or agency (or delegated representative) has reviewed or been appraised of the content of the Annual Report. The first annual report shall be due **December 1, 2004,** and may be based on less than one year's information.

D. **Certification and Signature of Reports.** All reports required by the permit and other information requested by the Director shall be signed and certified in accordance with Part VI.H.

E. **Reporting: Where and When to Submit.**

1. Representative monitoring results (Part V.A.1) obtained during the reporting period running from **January 1st** to **December 31st** shall be submitted on Discharge Monitoring Report Form(s) along with the annual report required by Part V.C. A separate Discharge Monitoring Report Form is required for each monitoring period (season) specified in Part V.A.1.

2. Signed copies of discharge monitoring reports required under Part V., the Annual Report required by Part V.C., and all other reports required herein, shall be submitted to:

U.S. EPA, Region 6
Compliance Assurance and Enforcement Division
Water Enforcement Branch (6EN-WC)
1445 Ross Avenue
Dallas, Texas 75202-2733

3. Requests for Storm Water Management Program updates, changes in monitoring locations, or application for an individual permit shall be submitted to:

U.S. EPA, Region 6
Water Quality Protection Division
Operations Support Office (6WQ-O)
1445 Ross Avenue
Dallas, Texas 75202-2733

Additional Notification. In addition, the permittee(s) shall provide copies of discharge monitoring reports, annual reports, requests for Storm Water Management Program updates, items for compliance with permit requirements for TMDL implementation (Table III.B), programs or changes in monitoring locations, and all other reports required herein, to:

New Mexico Environment Department
Surface Water Quality Bureau

1190 St. Francis Drive
P.O. Box 26110
Santa Fe, New Mexico 87502

Pueblo of Sandia
Box 6008
Bernalillo, NM 87004
Attn: Water Quality Officer

Pueblo of Isleta
P.O. Box 1270
Isleta, NM 87022
Attn: Director, Pueblo Environment Department

Table V.A.1.a (1). - Representative Monitoring Annual Requirements: Outfalls 001 - 005 [3]

PARAMETERS [4]	REPORT FOR EACH MONITORING PERIOD (each sample type)			SAMPLE TYPE(S)		MONITORING FREQUENCY
	Minimum	Average	Maximum	Grab	Composite	
1. Biochemical Oxygen Demand (BOD_5) (mg/l)		Yes	Yes		Yes	2 events/ wet season;1 event/ dry season[2]
2. Chemical Oxygen Demand (COD) (mg/l)		Yes	Yes		Yes	2 events/ wet season;1 event/ dry season[2]
3. Total Suspended Solids (TSS) (mg/l)		Yes	Yes		Yes	2 events/ wet season;1 event/ dry season[2]
4. Total Dissolved Solids (TDS) (mg/l)		Yes	Yes		Yes	2 events/ wet season;1 event/ dry season[2]
5. Total Nitrogen (mg/l)		Yes	Yes		Yes	2 events/ wet season;1 event/ dry season[2]
6. Total Kjeldahl Nitrogen (TKN) (mg/l)		Yes	Yes		Yes	2 events/ wet season;1 event/ dry season[2]
7. Total Phosphorus (mg/l)		Yes	Yes		Yes	2 events/ wet season;1 event/ dry season[2]
8. Dissolved Phosphorus (mg/l)		Yes	Yes		Yes	2 events/ wet season;1 event/ dry season[2]
9. Total Cadmium (ug/l) *(MAL 1 ug/l)*		Yes	Yes		Yes	2 events/ wet season;1 event/ dry season[2]
10. Dissolved Cadmium (ug/l) *(MAL 1 ug/l)*		Yes	Yes		Yes	2 events/ wet season;1 event/ dry season[2]
11. Total Copper (ug/l) *(MAL 10 ug/l)*		Yes	Yes		Yes	2 events/ wet season;1 event/ dry season[2]
12. Dissolved Copper (ug/l) *(MAL 10 ug/l)*		Yes	Yes		Yes	2 events/ wet season;1 event/ dry season[2]
13. Total Lead (ug/l) *(MAL 5 ug/l)*		Yes	Yes		Yes	2 events/ wet season;1 event/ dry season[2]
14. Dissolved Lead (ug/l) *(MAL 5 ug/l)*		Yes	Yes		Yes	2 events/ wet season;1 event/ dry season[2]
15. Total Zinc (ug/l) *(MAL 20 ug/l)*		Yes	Yes		Yes	2 events/ wet season;1 event/ dry season[2]
16. Dissolved Zinc (ug/l) *(MAL 20 ug/l)*		Yes	Yes		Yes	2 events/ wet season;1 event/ dry season[2]
17. Mercury (ug/l) *(MAL 0.2 ug/l)*		Yes	Yes		Yes	2 events/ wet season;1 event/ dry season[2]
18. Chromium III (ug/l) *(MAL 10 ug/l)*		Yes	Yes		Yes	2 events/ wet season;1 event/ dry season[2]

PARAMETERS [4]	REPORT FOR EACH MONITORING PERIOD (each sample type)			SAMPLE TYPE(S)		MONITORING FREQUENCY
	Minimum	Average	Maximum	Grab	Composite	
19. Chromium VI (ug/l) *(MAL 10 ug/l)*		Yes	Yes		Yes	2 events/ wet season;1 event/ dry season[2]
20. Arsenic (ug/l) *(MAL 10 ug/l)*		Yes	Yes		Yes	2 events/ wet season;1 event/ dry season[2]
21. Thallium (ug/l) *(MAL 10 ug/l)*		Yes	Yes		Yes	2 events/ wet season;1 event/ dry season[2]
22. Chlorides (as Cl) (mg/l)		Yes	Yes		Yes	2 events/ wet season;1 event/ dry season[2]
23. Nitrate (mg/l)		Yes	Yes		Yes	2 events/ wet season;1 event/ dry season[2]
24. pH (S.U.)	Yes		Yes	Yes		2 events/ wet season;1 event/ dry season[2]
25. Sulfates (mg/l)		Yes	Yes		Yes	2 events/ wet season;1 event/ dry season[2]
26. Conductivity		Yes	Yes	Yes		2 events/ wet season;1 event/ dry season[2]
27. Fecal Coliform (colonies/100 ml)		Yes	Yes	Yes [6]		4 events/ wet season[2]; Minimum of 2 events/ quarter during dry season [5]
28. Oil and Grease (mg/l)		Yes	Yes	Yes		2 events/ wet season;1 event/ dry season[2]
29. Total Phenols		Yes	Yes		Yes	2 events/ wet season;1 event/ dry season[2]
30. Hardness (as $CaCO_3$) (mg/l)	Yes	Yes	Yes	Yes		2events/ wet season; 1 event/ dry season[2]
31. Temperature (°C)	Yes	Yes	Yes	Yes		2events/ wet season;1 event/ dry season[2]

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

[3] Monitoring frequency for each year for Outfalls 001-005. Monitoring for Outfalls 001-005 to commence on the effective date of this permit.

[4] If any individual analytical test result is less than the minimum analytical level (MAL) 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 MAL.

[5] Monitoring results for fecal coliform shall also be submitted with the **Annual TMDL Progress Report** required in **Table III.B.** Fecal Coliform Loadings for each outfall shall be estimated and reported in the **Annual TMDL Progress Report**.

[6] May consist of multiple grab weighted for an event mean concentration.

Table V.A.1.a (2) - Representative Monitoring Bi-Annual Requirements[6]: Outfalls 001 - 005

VOLATILE COMPOUNDS	REQUIRED MQL (µg/L)	EPA METHOD
Benzene	10	624
Bromoform	10	624
Carbon Tetrachloride	10	624
Chlorobenzene	10	624
Chlorodibromomethane		10 624

PESTICIDES	REQUIRED MQL (µg/L)	EPA METHOD
Aldrin		.05
608		
Alpha-BHC		.05
608		
Beta-BHC		.05

BASE/NEUTRAL COMPOUNDS	REQUIRED MQL (µg/L)	EPA METHOD
Bis(2-ethylhexyl) phthalate	10	625
4-Bromophenyl phenyl ether	10 625	
Butyl benzyl phthalate	10	625
2-Chloronapthalene	10	625
4-Chlorophenyl phenyl ether	10	625

Chloroethane	50	624
2-Chloroethyl vinyl ether	10	624
Chloroform	10	624
1,1-Dichloroethane	10	624
1,2-Dichloroethane	10	624
1,2-Dichloropropane	10	624
1,3-Dichloropropylene	10	624
Ethylbenzene	10	624
Methyl Bromide [Bromomethane]	50	624
Methyl Chloride [Chloromethane]	50	624
Methylene Chloride	20	624
1,1,2,2-Tetrachloroethane	10	624
Toluene	10	624

608			
Gamma-BHC (Lindane)	.05		
	608		
Delta-BHC	.05		
608			
Chlordane	.2		
			60
		8	
4,4'-DDT	.1		
608			
4,4'-DDE (p,p-DDX)	.1		
608			
4,4'-DDD (p,p-TDE)	.1		
608			
Dieldrin	.1		
	608		
Alpha-endosulfan	.1		
608			
Beta-endosulfan	.1		
608			
Endosulfan sulfate	.1		
608			
Total PCBs	1.0		
			60
		8	

BASE/NEUTRAL COMPOUNDS	(Ug/L)	EPA METHOD
Acenaphthene		10
625		
Acenaphthylene		10
625		
Anthracene		10
625		
Benzo(a)anthracene		10

Chrysene	10	625
Dibenzo (a,h) anthracene	20	625
1,2-Dichlorobenzene	10	625
1,3-Dichlorobenzene	10	625
1,4-Dichlorobenzene	10	625
3,3'-Dichlorobenzidine	50	625
Diethyl Phthalate	10	625
Dimethyl Phthalate	10	625
Di-n-Butyl Phthalate	10	625
2,4-Dinitrotoluene	10	625
2,6-Dinitrotoluene	10	625
Di-n-octyl Phthalate	10	625
Fluoranthene	10	625
Fluorene	10	625
Hexachlorobenzene	10	625
Hexachlorobutadiene	10	625
Hexachloroethane	20	625
Indeno (1,2,3-cd) pyrene	20	625
(2,3-o-phenylene pyrene)		
Isophorone	10	625
Naphthalene	10	625
Nitrobenzene	10	625
N-nitrosodi-n-propylamine	20	625
Phenanthrene	10	625
Pyrene	10	625
1,2,4-Trichlorobenzene	10	625

	625		
	Benzo(a)pyrene	10	
	625		
	3,4-Benzofluoranthene	10	
		625	
	Benzo(ghi)perylene	20	
	625		
	Benzo(k)fluoranthene	10	
	625		
	Bis(2-chloroethoxy) methane	10	
	625		
	Bis(2-chloroethyl) ether	10	
	625		
	Bis(2-chloroisopropyl) ether	10	
	625		

[6] Parameters included in Table **V.A.1.a (2)** are to be monitored by Albuquerque/AMAFCA biannually (every other year). Seasonal monitoring periods are: Wet Season: June 1 through September 30; Dry Season: October 1 through May 31. Monitoring Frequency is to be 2 events/wet season and 1 event/dry season, using composite sampling. Average and maximum values are to be reported for each monitoring period. Monitoring to commence one year from the effective date of this permit and to continue every other year thereafter.
If any individual analytical test result is less than the minimum analytical level (MAL) 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.

Table V.A.1.b - Representative Monitoring Outfall Descriptions

OUTFALL	SITE NO.	LOCATION	DESCRIPTION	RESPONSIBLE PERMITTEE
001	9900	North Floodway Channel near Alameda (USGS Station No. 08329900)	Station located on concrete lined channel. Drains approx. 92 sq.mi. Land use is: 41% residential; 36% agricultural; 15% commercial; 4% industrial; 4% open space	Albuquerque/ AMAFCA
002	200	South Diversion Channel above Tijeras Arroyo near Albuquerque (USGS Station No. 08330775)	Station located on natural unlined channel. Drains approx. 11 sq.mi. Land use is: 30% agricultural; 28% commercial 21% industrial; 13% residential; 8% open space	Albuquerque/ AMAFCA
003	500	San Jose Drain at Woodward Road at Albuquerque (USGS Station No. 08330200)	Station located on concrete lined channel. Drains approx. 2 sq.mi. Land use is: 41% residential; 30% commercial; 18% agricultural; 9% industrial; 2% open space	Albuquerque/ AMAFCA
004	400B	City of Albuquerque Lift Station #32 (Barelas) at Albuquerque (USGS Station No. 08330075)	Stations located at storm water pumping stations. Combined drainage of. 4 sq.mi. Land use is: 35% residential; 34% commercial; 12% open space; 10% industrial; 9% agricultural	Albuquerque/ AMAFCA
005	300A	Mariposa Diversion of San Antonio Arroyo at Albuquerque (USGS Station No. 083299375)	Station located on natural unlined channel. Drains approx. 31 sq.mi.. Land use is: 73% agricultural; 14% industrial; 11% residential; 1% commercial; 1% open space	Albuquerque/ AMAFCA

PART VI. STANDARD PERMIT CONDITIONS.

A. Duty to Comply. The permittee(s) must comply with all conditions of this permit insofar as those conditions are applicable to each permittee, either individually or jointly. Any permit noncompliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

B. Penalties for Violations of Permit Conditions. The Director will adjust the Civil and administrative penalties listed below in accordance with the Civil Monetary Penalty Inflation Adjustment Rule (Federal Register: Dec. 31, 1996, Volume 61, No. 252, pages 69359-69366, as corrected, March 20, 1997, Volume 62, No. 54, pages 13514-13517) as mandated by the Debt Collection Improvement Act of 1996 for inflation on a periodic basis. This rule allows EPA's penalties to keep pace with inflation. The Agency is required to review its penalties at least once every four years thereafter and to adjust them as necessary for inflation according to a specified formula. The civil and administrative penalties listed below were adjusted for inflation starting in 1996.

1. *Criminal Penalties*.

   a. Negligent Violations: The Act provides that any person who negligently violates permit conditions implementing Sections 301, 302, 306, 307, 308, 318, or 405 of the Act is subject to a fine of not less than $2,500 nor more than $25,000 per day of violation, or by imprisonment for not more than 1 year, or both.

   b. Knowing Violations: The Act provides that any person who knowingly violates permit conditions implementing Sections 301, 302, 306, 307, 308, 318, or 405 of the Act is subject to a fine of not less than $5,000 nor more than $50,000 per day of violation, or by imprisonment for not more than 3 years, or both.

   c. Knowing Endangerment: The Act provides that any person who knowingly violates permit conditions implementing Sections 301, 302, 306, 307, 308, 318, or 405 of the Act and who knows at that time that he is placing another person in imminent danger of death or serious bodily injury is subject to a fine of not more than $250,000, or by imprisonment for not more than 15 years, or both.

   d. False Statement: The Act provides that any person who knowingly makes any false material statement, representation, or certification in any application, record, report, plan, or other document filed or required to be maintained under the Act or who knowingly falsifies, tampers with, or renders inaccurate, any monitoring device or method required to be maintained under the Act, shall upon conviction, be punished by a fine of not more than $10,000 or by imprisonment for not more than 2 years, or by both. If a conviction is for a violation committed after a first conviction of such person under this paragraph, punishment shall be by a fine of not more than $20,000 per day of violation, or by imprisonment of not more than 4 years, or by both. (See Section 309(c)(4) of the Act).

1. *Civil Penalties.* The Act provides that any person who violates a permit condition implementing Sections 301, 302, 306, 307, 308, 318, or 405 of the Act is subject to a civil penalty not to exceed $27,500 per day for each violation.

2. *Administrative Penalties.* The Act provides that any person who violates a permit condition implementing Sections 301, 302, 306, 307, 308, 318, or 405 of the Act is subject to an administrative penalty, as follows:

   a. Class I penalty: Not to exceed $11,000 per violation nor shall the maximum amount exceed $27,500.

   b. Class II penalty: Not to exceed $11,000 per day for each day during which the violation continues nor shall the maximum amount exceed $137,500.

C. Duty to Reapply. If the permittee wishes to continue an activity regulated by this permit after the permit expiration date, the permittee must apply for and obtain a new permit. The application shall be submitted at least 180 days prior to expiration of this permit. The Director may grant permission to submit an application less than 180 days in advance but no later than the permit expiration date. Continuation of expiring permits shall be governed by regulations promulgated at 40 CFR 122.6 and any subsequent amendments.

D. Need to Halt or Reduce Activity Not a Defense. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

E. Duty to Mitigate. The permittee(s) shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

F. Duty to Provide Information. The permittee(s) shall furnish to the Director, within a time specified by the Director, any information which the Director may request to determine compliance with this permit. The permittee(s) shall also furnish to the Director upon request copies of records required to be kept by this permit.

G. Other Information. When the permittee becomes aware that he or she failed to submit any relevant facts or submitted incorrect information in any report to the Director, he or she shall promptly submit such facts or information.

H. Signatory Requirements. All Discharge Monitoring Reports, storm water management programs, reports, certifications or information either submitted to the Director or that this permit requires be maintained by the permittee(s), shall be signed by:

1. for a municipality, State, or other public agency: by either a principal executive officer or ranking elected official; or

2. a duly authorized representative of that person. A person is a duly authorized representative only if:

   a. The authorization is made in writing by a person described above and submitted to the Director.

   b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of manager, operator, superintendent, or position of equivalent responsibility or an individual or position having overall responsibility for environmental matters for the company. A duly authorized

representative may thus be either a named individual or any individual occupying a named position.

c. If an authorization is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new written authorization satisfying the requirements of this paragraph must be submitted to the Director prior to or together with any reports, information, or applications to be signed by an authorized representative.

3. Certification: Any person signing documents under this section shall make the following certification: "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate 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."

I. Penalties for Falsification of Monitoring Systems. The Act provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by fines and imprisonment described in Section 309 of the Act.

J. Oil and Hazardous Substance Liability. Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under section 311 of the Act or section 106 of CERCLA.

K. Property Rights. The issuance of this permit does not convey any property rights of any sort, nor any exclusive privileges, nor does it authorize any injury to private property nor any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

L. Severability. The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

M. Requiring a Separate Permit.

1. The Director may require any co-permittee authorized by this permit to obtain a separate NPDES permit. Any interested person may petition the Director to take action under this paragraph. The Director may require any co-permittee authorized to discharge under this permit to apply for a separate NPDES permit only if the co-permittee has been notified in writing that a permit application is required. This notice shall include a brief statement of the reasons for this decision, an application form (as necessary), a statement setting a deadline for the co-permittee to file the application, and a statement that on the effective date of the separate NPDES permit, coverage under this permit shall automatically terminate. Separate permit applications shall be submitted to the address shown in Part V.E. The Director may grant additional time to submit the application upon request of the applicant. If an owner or operator fails to submit in a timely manner a separate NPDES permit application as

required by the Director, then the applicability of this permit to the co-permittee is automatically terminated at the end of the day specified for application submittal.

2. Any co-permittee authorized by this permit may request to be excluded from the coverage of this permit by applying for a separate permit. The co-permittee shall submit a separate application as specified by 40 CFR 122.26(d) with reasons supporting the request to the Director. Separate permit applications shall be submitted to the address shown in Part V.E. The request may be granted by the issuance of a separate permit if the reasons cited by the co-permittee are adequate to support the request.

N. State/Environmental Laws.

1. Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable State law or regulation under authority preserved by section 510 of the Act.

2. No condition of this permit shall release the permittee from any responsibility or requirements under other environmental statutes or regulations.

O. Proper Operation and Maintenance. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit and with the requirements of storm water management programs. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. Proper operation and maintenance requires the operation of backup or auxiliary facilities or similar systems, installed by a permittee only when necessary to achieve compliance with the conditions of the permit.

P. Monitoring and Records.

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

2. The permittee shall retain records of all monitoring information including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of the reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least 3 years from the date of the sample, measurement, report or application. This period may be extended by request of the Director at any time.

3. Records of monitoring information shall include:

   a. The date, exact place, and time of sampling or measurements;

   b. The initials or name(s) of the individual(s) who performed the sampling or measurements;

   c. The date(s) analyses were performed;

   d. The time(s) analyses were initiated;

e. The initials or name(s) of the individual(s) who performed the analyses;

f. References and written procedures, when available, for the analytical techniques or methods used; and

g. The results of such analyses, including the bench sheets, instrument readouts, computer disks or tapes, etc., used to determine these results.

Q. Monitoring Methods. Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit.

R. Inspection and Entry. The permittee shall allow the Director or an authorized representative of EPA, or the State, upon the presentation of credentials and other documents as may be required by law, to:

1. Enter the permittee's premises where a regulated facility or activity is located or conducted or where records must be kept under the conditions of this permit;

2. Have access to and copy at reasonable times, any records that must be kept under the conditions of this permit;

3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and

4. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Act, any substance or parameters at any location.

S. Permit Actions. This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

T. Additional Monitoring by the Permittee. If the permittee monitors more frequently than required by this permit, using test procedures approved under 40 CFR Part 136 or as specified in this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the Discharge Monitoring Report (DMR). Such increased monitoring frequency shall also be indicated on the DMR.

U. Archeological and Historic Sites. This permit does not authorize any storm water discharges nor require any BMPs to control storm water runoff which are not in compliance with any historic preservation laws.

1. If municipal excavation and/or construction projects implementing requirements of this permit will result in the disturbance of previously undisturbed land, and the project is not required to have a separate NPDES permit (e.g. general permit for discharge of storm water associated with construction activity), then the permittee may seek authorization for storm water discharges from such sites of disturbance by:

   a. the permittee shall, thirty (30) days prior to commencing land disturbance, submit the following to the State Historic Preservation Officer (SHPO) for evaluation of possible effects on properties listed or eligible for listing on the National Register of Historic Places:

(1) a description of the construction or land disturbing activity and the potential impact that this activity may have upon the ground, and

(2) a copy of a USGS topographic map outlining the location of the project and other ancillary impact areas.

The address of the SHPO is:

New Mexico Office of Cultural Affairs
Historic Preservation Division
Room 320, La Villa Rivera
228 East Palace Avenue
Santa Fe, New Mexico 87501

Pueblo of Sandia
Box 6008
Bernalillo, New Mexico 87004

If the permittee receives a request for an archeological survey or notice of adverse effects from the SHPO, the permittee shall delay such activity until:

(1) a determination of no adverse effect has been made, or

(2) measures to minimize harm to historic properties have been agreed upon.

If the permittee does not receive notification of adverse effects or a request for an archeological survey from the SHPO within thirty (30) days, the permittee may proceed with the activity.

b. Alternately, the permittee may obtain authorization for storm water discharges from such sites of disturbance by applying for a modification of this permit. The permittee may apply for a permit modification by submitting the following information to the Permitting Authority 180 days prior to commencing such discharges:

(1) A letter requesting a permit modification to include discharges from activities subject to this provision, in accordance with the signatory requirements in Part VI.H.

(2) a description of the construction or land disturbing activity and the potential impact that this activity may have upon the ground; County in which the facility will be constructed; type of facility to be constructed; size area (in acres) that the facility will encompass; expected date of construction; and whether the facility is located on land owned or controlled by any political subdivision of New Mexico; and

(3) a copy of a USGS topographic map outlining the location of the project and other ancillary impact areas.

PART VII. PERMIT MODIFICATION.

A. Modification of the Permit. The permit may be reopened and modified during the life of the permit to address:

1. changes in the State's Water Quality Management Plan, including Water Quality Standards;

2. changes in State or Federal statutes or regulations;

3. add a new permittee who is the owner or operator of a portion of the Municipal Separate Storm Sewer System;

4. changes in portions of the Storm Water Management Program that are considered permit conditions;

5. construction activities implementing requirements of this permit that will result in the disturbance of previously undisturbed land and not required to have a separate NPDES permit; or

6. other modifications deemed necessary by the Director to meet the requirements of the Act.

All modification to the permit will be made in accordance with 40 CFR 122.62, 122.63, and 124.5.

B. Termination of Coverage for a Single Permittee. Permit coverage may be terminated, in accordance with the provisions of 40 CFR 122.64 and 124.5, for a single permittee without terminating coverage for other permittees.

C. Modification of Storm Water Management Program(s). Only those portions of the Storm Water Management Programs specifically required as permit conditions shall be subject to the modification requirements of 40 CFR 124.5. Addition of components, controls, or requirements by the permittee(s); replacement of an ineffective or infeasible BMP implementing a required component of the Storm Water Management Program with an alternate BMP expected to achieve the goals of the original BMP; and changes required as a result of schedules contained in Part III shall be considered minor changes to the Storm Water Management Program and not modifications to the permit. (See also Part II.G.)

D. Changes in Monitoring Outfalls. Changes in monitoring outfalls, other than those with specific numeric effluent limitations (as described in Part V.A.1.c.), shall be considered minor modifications to the permit and will be made in accordance with the procedures at 40 CFR 122.63.

PART VIII. DEFINITIONS.

All definition contained in Section 502 of the Act shall apply to this permit and are incorporated herein by reference. Unless otherwise specified, additional definitions of words or phrases used in this permit are as follows:

A. "Best Management Practices" ("BMPs") means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the United States. BMPs also include treatment requirements, operating procedures, and practices to control facility site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

B. "CWA" or "The Act" means Clean Water Act (formerly referred to as the Federal Water Pollution Control Act or Federal Water Pollution Control Act Amendments of 1972) Pub.L. 92-500, as amended Pub. L. 95-217, Pub. L. 95-576, Pub. L. 96-483 and Pub. L. 97-117, 33 U.S.C. 1251 et.seq.

C. "Co-permittee" is defined at 40 CFR 122.26(b)(1).

D. "Core Municipality" means, for the purpose of this permit, the municipality whose corporate boundary (unincorporated area for counties and parishes) defines the municipal separate storm sewer system. (ex. City of Dallas for the Dallas Municipal Separate Storm Sewer System, Harris County for unincorporated Harris County).

E. "Director" means the Regional Administrator or an authorized representative.

F. "Discharge" for the purpose of this permit, unless indicated otherwise, refers to discharges from the Municipal Separate Storm Sewer System (Municipal Separate Storm Sewer System).

G. "Flood Control Projects" refer to major drainage projects developed to control water quantity rather than quality, including channelization and detention.

H. "Flow-weighted composite sample" means a composite sample consisting of a mixture of aliquots collected at a constant time interval, where the volume of each aliquot is proportional to the flow rate of the discharge.

I. "Illicit connection" means any man-made conveyance connecting an illicit discharge directly to a municipal separate storm sewer.

J. "Illicit discharge" is defined at 40 CFR 122.26(b)(2).

K. "Individual Residence" refers, for the purposes of this permit, to single or multi-family residences. (e.g. single family homes and duplexes, town homes, apartments, etc.)

L. "Landfill" means an area of land or an excavation in which wastes are placed for permanent disposal, and which is not a land application unit, surface impoundment, injection well, or waste pile.

M. "Land application unit" means an area where wastes are applied onto or incorporated into the soil surface (excluding manure spreading operations) for treatment or disposal.

N. "Large or medium municipal separate storm sewer system" is defined at 40 CFR 122.26(b)(4) & (7).

O. "MEP" is an acronym for "Maximum Extent Practicable," the technology-based discharge standard for Municipal Separate Storm Sewer Systems established by CWA §402(p).

P. "MS4" is an acronym for "Municipal Separate Storm Sewer System" and is used to refer to either a Large or Medium Municipal Separate Storm Sewer System (e.g. "the Dallas MS4").

Q. "Municipal Separate Storm Sewer" is defined at 40 CFR 122.26(b)(8).

R. "Part '#'" refers, unless otherwise indicated, to Part "#" of this permit (e.g. Part V.E.2.).

S. "Permittee" refers to any "person," as defined at 40 CFR 122.2, authorized by this NPDES permit to discharge to Waters of the United States.

T. "Point Source" means any discernible, confined, and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, landfill leachate collection system, vessel or other floating craft from which pollutants are or may be discharged. This term does not include return flows from irrigated agriculture or agricultural storm water runoff.

U. “Storm drainage projects” include storm water inlets, culverts, minor conveyances and a host of other structures or devices

V. "Storm sewer", unless otherwise indicated, refers to a municipal separate storm sewer.

W. "Storm Water" means storm water runoff, snow melt runoff, and surface runoff and drainage.

X. "Storm Water Discharge Associated with Industrial Activity" is defined at 40 CFR 122.26(b)(14).

Y. "Storm Water Management Program" refers to a comprehensive program to manage the quality of storm water discharged from the municipal separate storm sewer system. For the purposes of this permit, the Storm Water Management Program is considered a single document, but may actually consist of separate programs (e.g. "chapters") for each permittee.

Z. "SWMP" is an acronym for "Storm Water Management Program."

AA. "Time-weighted composite" means a composite sample consisting of a mixture of equal volume aliquots collected at a constant time interval.

BB. "Waters of the United States" is defined at 40 CFR 122.2.