



MICHELLE LUJAN GRISHAM
GOVERNOR

JAMES C. KENNEY
CABINET SECRETARY

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

August 7, 2025

Adrienne Widmer, Utilities Director
City of Las Cruces Utilities
East Mesa Water Reclamation Facility
P.O. Box 20000
Las Cruces, New Mexico 88004-9002

RE: Draft Discharge Permit Renewal and Modification, DP-1536, East Mesa Water Reclamation Facility

Dear Adrienne Widmer:

The New Mexico Environment Department (NMED) hereby provides notice to the City of Las Cruces Utilities of the proposed approval of Ground Water Discharge Permit Renewal and Modification, DP-1536 (copy enclosed), pursuant to Subsection H of 20.6.2.3108 NMAC. NMED will publish notice of the availability of the draft Discharge Permit in the near future for public review and comment and will forward a copy of that notice to you.

Prior to making a final ruling on the proposed Discharge Permit, NMED will allow 30 days from the date the public notice is published in the newspaper for any interested party, including the Discharge Permit applicant, i.e., yourself, to submit written comments and/or request a public hearing. A hearing request shall set forth the reasons why a hearing is requested. NMED will hold a hearing in response to a timely hearing request if the NMED Secretary determines there is substantial public interest in the proposed Discharge Permit.

Please review the enclosed draft Discharge Permit carefully. Please be aware that this Discharge Permit may contain conditions that require the permittee to implement operational, monitoring, or closure actions by a specified deadline.

Please submit written comments or a request for hearing to my attention at the address below, via email to kambray.townsend@env.nm.gov or to pps.general@env.nm.gov, or directly into the NMED Public Comment Portal at <https://nmed.commentinput.com/comment/search>. If NMED does not receive written comments or a request for hearing during the public comment period, the draft Discharge Permit will become final.

Thank you for your cooperation during the review process. Feel free to contact me with any questions at (505) 538-0497.

Sincerely,

Kambray Townsend, Water Resource Professional

SCIENCE | INNOVATION | COLLABORATION | COMPLIANCE

Ground Water Quality Bureau | 1190 Saint Francis Drive, PO Box 5469, Santa Fe, New Mexico 87502-5469
Telephone (505) 827-2900 | www.env.nm.gov/gwqb/

Adrienne Widmer
August 7, 2025
Page 2 of 2

Encl: Draft Discharge Permit Renewal, DP-1536

cc: Steven Perez, City of Las Cruces Utilities, Deputy Director Regulatory Compliance,
stperez@lascruces.gov



NEW MEXICO
ENVIRONMENT DEPARTMENT
Ground Water Quality Bureau



1190 Saint Francis Drive / PO Box 5469
Santa Fe, NM 87502-5469
Phone (505) 827-2900 Fax (505) 827-2965
www.env.nm.gov

Draft: August 7, 2025

GROUND WATER QUALITY BUREAU
DISCHARGE PERMIT
Issued under 20.6.2 NMAC

Facility Name: City of Las Cruces – East Mesa Water Reclamation Facility
Discharge Permit Number: DP-1536
Facility Location: 5150 East Lohman Avenue and various reuse areas
Las Cruces, NM

County: Doña Ana

Permittee: City of Las Cruces Utilities
Mailing Address: Adrienne Widmer, Utilities Director
P.O. BOX 20000
Las Cruces, NM 88004-9002

Facility Contact: Joaquin Murillo, Plant Manager
Telephone Number/Email: 575-528-3256 / jmurillo@lascruces.gov

Permitting Action: Renewal and Modification
Permit Issuance Date: DATE
Permit Expiration Date: DATE

NMED Permit Contact: Kambray Townsend
Telephone Number/Email: 505-538-0497 / kambray.townsend@env.nm.gov or
505-827-2900 / pps.general@env.nm.gov

JUSTIN D. BALL
Chief, Ground Water Quality Bureau
New Mexico Environment Department

Date

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Discharge Permit Summary
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I. INTRODUCTION

The New Mexico Environment Department (NMED) issues this groundwater discharge permit Renewal and Modification (Discharge Permit or DP-1536) to the City of Las Cruces Utilities (Permittee) pursuant to the New Mexico Water Quality Act (WQA), NMSA 1978 §§74-6-1 through 74-6-17, and the New Mexico Water Quality Control Commission (WQCC) Ground and Surface Water Protection Regulations, 20.6.2 NMAC.

NMED's purpose in issuing this Discharge Permit, and in imposing the requirements and conditions specified herein, is to control the discharge of water contaminants from the City of Las Cruces – East Mesa Water Reclamation Facility including reclaimed domestic wastewater irrigated City-Owned parks (Facility) in order to protect groundwater and those segments of surface water gaining from groundwater inflow for present and potential future use as domestic and agricultural water supply and other uses, and to protect public health. It is NMED's determination in issuing this Discharge Permit that the Permittee has met the requirements of Subsection C of 20.6.2.3109 NMAC. The Permittee is responsible for complying with the terms and conditions of this Discharge Permit pursuant to Section 20.6.2.3104 NMAC; failure to do so may result in enforcement action by NMED (20.6.2.1220 NMAC).

Described below are the activities that produce the discharge, the location of the discharge, and the quantity, quality, and flow characteristics.

The Facility receives and treats domestic wastewater at a volume of up to 1.4 million gallons per day (MGD). Reclaimed domestic wastewater is stored in a two-million-gallon storage tank and then discharged to City of Las Cruces properties for irrigation (reuse areas); transferred to facilities separately permitted by NMED to receive reclaimed wastewater; and transferred for temporary uses that NMED has determined do not require a Discharge Permit. Treated wastewater that is not reclaimed for reuse purposes is discharged to an outfall at the South Fork of the Las Cruces Arroyo pursuant to a National Pollutant Elimination System (NPDES) Permit NM0030872.

This Discharge Permit modification consists of the addition of the East Mesa Public Recreation Complex as a new discharge location for the discharge of reclaimed domestic wastewater.

Discharge Permit Location Information:

Physical Address	5150 East Lohman Avenue
Nearest Town/City	Las Cruces
Section, Township, Range	Sections 2 and 3, Township 23 South, Range 2 East Sections 4, 5, 9, and 11, Township 23 South, Range 2 East
County	Doña Ana
Depth to Groundwater	318 to 424 feet
Pre-Discharge TDS	237 to 1,250 milligrams per liter

Discharge Permit Issuance History:

Original Permit Issuance	October 8, 2008
Permit Renewal	May 8, 2014
Permit Renewal	December 6, 2019

The application (i.e., discharge plan) associated with this Discharge Permit consists of the materials submitted by the City of Las Cruces Utilities dated July 17, 2024, and materials contained in the administrative record prior to issuance of this Discharge Permit.

The Permittee shall manage the discharge in accordance with all conditions and requirements of this Discharge Permit.

NMED reserves the right to require a Discharge Permit modification in the event NMED determines that the Permittee is or may be violating, or is likely to violate in the future, the requirements of 20.6.2 NMAC or the standards of Section 20.6.2.3103 NMAC. NMED reserves this right pursuant to Section 20.6.2.3109 NMAC. An NMED requirement to modify the Discharge Permit may result from a determination by the department that structural controls and/or management practices approved under this Discharge Permit are insufficiently protective of groundwater quality and human health. NMED reserves the right to require the Permittee to implement abatement of water pollution and remediate groundwater quality.

NMED issuance of this Discharge Permit does not relieve the Permittee of the responsibility to comply with the WQA, WQCC Regulations, and any other applicable federal, state and/or local laws and regulations, such as zoning requirements and nuisance ordinances.

This Discharge Permit may use the following acronyms and abbreviations.

Abbreviation	Explanation	Abbreviation	Explanation
BOD ₅	biochemical oxygen demand (5-day)	NMED	New Mexico Environment Department
CAP	Corrective Action Plan	NMSA	New Mexico Statutes Annotated
CFR	Code of Federal Regulations	NO ₃ -N	nitrate-nitrogen
CFU	colony forming unit	NTU	nephelometric turbidity units
Cl	chloride	QA/QC	Quality Assurance/Quality Control
EPA	United States Environmental Protection Agency	TDS	total dissolved solids
Gpd	gallons per day	TKN	total Kjeldahl nitrogen
LAA	land application area	total nitrogen	= TKN + NO ₃ -N
LADS	Land Application Data Sheet(s)	TRC	total residual chlorine
mg/L	milligrams per liter	TSS	total suspended solids
mL	milliliters	WQA	New Mexico Water Quality Act

Abbreviation	Explanation		Abbreviation	Explanation
MPN	most probable number		WQCC	Water Quality Control Commission
NMAC	New Mexico Administrative Code		WWTF	Wastewater Treatment Facility

II. FINDINGS

In issuing this Discharge Permit, NMED finds the following.

1. The Permittee is discharging effluent or leachate from the Facility so that such effluent or leachate may move into groundwater of the State of New Mexico that has an existing concentration of 10,000 mg/L or less of TDS, within the meaning of Subsection A of 20.6.2.3101 NMAC, without exceeding standards of 20.6.2.3103 NMAC for any water contaminant.
2. The Permittee is discharging effluent or leachate from the Facility directly or indirectly into groundwater pursuant to this Discharge Permit and Sections 20.6.2.3000 through 20.6.2.3114 NMAC.
3. The discharge from this Facility has the potential to contain water contaminants or toxic pollutants elevated above the standards of Section 20.6.2.3103 NMAC and is not subject to the exemption at Subsection 20.6.2.3105 NMAC.

III. AUTHORIZATION TO DISCHARGE

The Permittee is responsible for ensuring that discharges authorized by this Discharge Permit are consistent with the terms and conditions herein pursuant to 20.6.2.3104 NMAC.

This Discharge Permit authorizes the Permittee to receive and treat domestic wastewater up to 1.4 MGD using a Water Reclamation Facility (WRF).

This Discharge Permit authorizes the Permittee to discharge reclaimed domestic wastewater to a two-million-gallon storage tank located at the WRF. This Discharge Permit authorizes the Permittee to discharge up to 1.4 MGD of Class 1A reclaimed wastewater from the WRF to the following reuse areas:

- Spray irrigation of the City of Las Cruces Veterans Park (9 acres)
- Spray irrigation of the City of Las Cruces Sage Crest Park (2.1 acres)
- Spray irrigation of the Las Cruces Dam Restoration Project (1.5 acres)
- Spray irrigation of the East Mesa Public Recreation Complex (65 acres)

This Discharge Permit authorizes the Permittee to transfer reclaimed domestic wastewater to other entities authorized by NMED under separate Discharge Permits.

This Discharge Permit authorizes the Permittee to transfer reclaimed domestic wastewater for temporary uses that NMED has determined do not require a separate Discharge Permit, including construction projects, dust control, hand irrigation of City-owned property from water trucks, and compost mixing from a standpipe located at the closed Foothills Landfill.

[20.6.2.3104 NMAC, Subsection C of 20.6.2.3106 NMAC, Subsection D of 20.6.2.3109 NMAC]

IV. CONDITIONS

NMED issues this Discharge Permit for the discharge of water contaminants subject to the following conditions.

A. OPERATIONAL PLAN

#	Terms and Conditions
1.	The Permittee shall implement the following operational plan to ensure compliance with Title 20, Chapter 6, Parts 2 and 4 NMAC. [Subsection C of 20.6.2.3109 NMAC]
2.	The Permittee shall operate in a manner that does not violate standards and requirements of Sections 20.6.2.3101 and 20.6.2.3103 NMAC. [20.6.2.3101 NMAC, 20.6.2.3103 NMAC, Subsection C of 20.6.2.3109 NMAC]

Operational Actions with Implementation Deadlines

#	Terms and Conditions
3.	If the Permittee develops a Preliminary Engineering Report (PER) for the replacement of the UV disinfection system at the Facility, the Permittee shall submit the draft PER to NMED for review for Discharge Permit compliance determination and comment. During the development of construction plans and specifications for the proposed replacement of the UV disinfection system, the Permittee shall submit construction plans and specifications at 50% and/or 95%, or equivalent, level of design for to NMED for review for Discharge Permit compliance and comment. [Subsections A and C of 20.6.2.1202 NMAC, Subsection C of 20.6.2.3106 NMAC, Subsection C of 20.6.2.3107 NMAC, NMSA 1978, §§ 61-23-1 through 61-23-32]

#	Terms and Conditions
4.	<p>A minimum of 90 days prior to the replacement of the UV disinfection system, the Permittee shall submit final construction plans and specifications for NMED’s review of the proposed replacement of the UV disinfection system. The construction plans and specifications shall bear the seal and signature of a licensed New Mexico professional engineer (pursuant to New Mexico Engineering and Surveying Practice Act and the rules promulgated under that authority) and shall include the supporting design calculations.</p> <p>The submitted documentation shall include the following elements.</p> <ul style="list-style-type: none"> a) Wastewater system component(s) design, e.g., lift stations, valves, transfer lines, process units, and associated details; whether new for the new system, retrofitted for the new system, or proposed for abandonment. b) Flow meter design detail - Flow meters to measure the volume of wastewater discharged from the UV disinfection system, then discharged to the reuse area. c) Specifications for all equipment, materials, and installation procedures the Permittee will use in the construction of the wastewater component. <p>Prior to the replacement of the UV disinfection system and its associated components, the Permittee shall obtain written verification from NMED that the plans and specifications meet the requirements of this Discharge Permit.</p> <p>[Subsections A and C of 20.6.2.1202 NMAC, Subsection C of 20.6.2.3106 NMAC, Subsection C of 20.6.2.3107 NMAC, NMSA 1978, §§ 61-23-1 through 61-23-32]</p>
5.	<p>Prior to discharging to the replacement UV disinfection system, the Permittee shall complete construction in accordance with the final construction plans and specifications required by this Discharge Permit. The Permittee shall notify NMED at least five working days prior to commencement of construction to allow NMED personnel to be on-site for inspection.</p> <p>[Subsections A and C of 20.6.2.1202 NMAC, Subsection C of 20.6.2.3109 NMAC, NMSA 1978, §§ 61-23-1 through 61-23-32]</p>
6.	<p>Within 30 days of completing replacement of the UV disinfection system, the Permittee shall submit record drawings to NMED that bear the seal and signature of a licensed New Mexico professional engineer (pursuant to the New Mexico Engineering and Surveying Practice Act and the rules promulgated under that authority) for the replacement UV disinfection system.</p> <p>[Subsections A and C of 20.6.2.1202 NMAC, Subsection C of 20.6.2.3109 NMAC, NMSA 1978, §§ 61-23-1 through 61-23-32]</p>
7.	<p>Prior to discharging reclaimed domestic wastewater to the East Mesa Public Recreation Complex, the Permittee shall install the infrastructure necessary to transfer, distribute,</p>

#	Terms and Conditions
	<p>and apply reclaimed domestic wastewater. The Permittee shall ensure documentation confirming installation of the distribution system consists of a narrative statement including the system type and location, and the method of backflow prevention employed (if applicable). The Permittee shall provide this documentation to NMED prior to discharging to the reuse area.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]</p>
8.	<p>Prior to discharging from the Facility to the East Mesa Public Recreation Complex, the Permittee shall post signs in English and Spanish at all reuse areas. The Permittee shall post signs at the entrance to reuse areas and at other locations where public exposure to reclaimed domestic wastewater may occur. The signs shall state: NOTICE: THIS AREA IS IRRIGATED WITH RECLAIMED WASTEWATER - DO NOT DRINK. AVISO: ESTA ÁREA ESTÁ REGADA CON AGUAS NEGRAS RECOBRADAS - NO TOMAR. The Permittee may submit alternate wording and/or graphics to NMED for approval.</p> <p>Documentation of sign installation shall consist of a narrative statement describing the number and location of the signs and date-stamped photographs. The Permittee shall submit the documentation to NMED in the next required periodic monitoring report.</p> <p>[Subsections B and C of 20.6.2.3109 NMAC, NMSA 1978, § 74-6-5.D]</p>

Operating Conditions

#	Terms and Conditions																		
9.	<p>The Permittee shall ensure that Class 1A reclaimed domestic wastewater discharged from the UV disinfection system does not exceed the following discharge limits.</p> <table border="1" data-bbox="407 1388 1312 1772"> <thead> <tr> <th data-bbox="414 1394 667 1430"><u>Test</u></th> <th data-bbox="667 1394 997 1430"><u>30-day Average</u></th> <th data-bbox="997 1394 1305 1430"><u>Maximum</u></th> </tr> </thead> <tbody> <tr> <td data-bbox="414 1430 667 1482">Total Nitrogen</td> <td data-bbox="667 1430 997 1482">N/A</td> <td data-bbox="997 1430 1305 1482">10 mg/L</td> </tr> <tr> <td data-bbox="414 1482 667 1562">Fecal coliform</td> <td data-bbox="667 1482 997 1562">5 CFU or MPN/100 mL</td> <td data-bbox="997 1482 1305 1562">23 CFU or MPN/100 mL</td> </tr> <tr> <td data-bbox="414 1562 667 1614">BOD₅</td> <td data-bbox="667 1562 997 1614">10 mg/L</td> <td data-bbox="997 1562 1305 1614">15 mg/L</td> </tr> <tr> <td data-bbox="414 1614 667 1654">Turbidity</td> <td data-bbox="667 1614 997 1654">3 NTU</td> <td data-bbox="997 1614 1305 1654">5 NTU</td> </tr> <tr> <td data-bbox="414 1654 667 1766">UV Transmissivity Or TRC</td> <td data-bbox="667 1654 997 1766">Monitor Only</td> <td data-bbox="997 1654 1305 1766">Monitor Only</td> </tr> </tbody> </table> <p>[Subsections B and C of 20.6.2.3109 NMAC, NMSA 1978, § 74-6-5.D]</p>	<u>Test</u>	<u>30-day Average</u>	<u>Maximum</u>	Total Nitrogen	N/A	10 mg/L	Fecal coliform	5 CFU or MPN/100 mL	23 CFU or MPN/100 mL	BOD ₅	10 mg/L	15 mg/L	Turbidity	3 NTU	5 NTU	UV Transmissivity Or TRC	Monitor Only	Monitor Only
<u>Test</u>	<u>30-day Average</u>	<u>Maximum</u>																	
Total Nitrogen	N/A	10 mg/L																	
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UV Transmissivity Or TRC	Monitor Only	Monitor Only																	

#	Terms and Conditions
10.	<p>The Permittee shall ensure adherence to the following general requirements for above-ground use of reclaimed domestic wastewater.</p> <ul style="list-style-type: none">a) The Permittee shall install and maintain signs in English and Spanish at all reuse areas such that they are visible and legible for the term of this Discharge Permit. The Permittee shall post signs at the entrance to reuse areas and at other locations where public exposure to reclaimed domestic wastewater may occur. The signs shall state: NOTICE: THIS AREA IS IRRIGATED WITH RECLAIMED WASTEWATER - DO NOT DRINK. AVISO: ESTA ÁREA ESTÁ REGADA CON AGUAS NEGRAS RECOBRADAS - NO TOMAR. The Permittee may submit alternate wording and/or graphics to NMED for approval.b) Reclaimed domestic wastewater systems shall have no direct or indirect cross connections with public water systems or irrigation wells pursuant to the latest revision of the New Mexico Plumbing Code (14.8.2 NMAC) and New Mexico Mechanical Code (14.9.2 NMAC).c) Above-ground use of reclaimed domestic wastewater shall not result in excessive ponding of wastewater and shall not exceed the water consumptive needs of the crop. The Permittee shall not discharge reclaimed domestic wastewater at times when the reuse area is saturated or frozen.d) The Permittee shall confine discharge of reclaimed domestic wastewater to the reuse area.e) The Permittee shall not discharge reclaimed domestic wastewater to crops used for human consumption.f) Water supply wells within 200 feet of a reuse area shall have adequate wellhead construction pursuant to 19.27.4 NMAC.g) Existing and accessible portions of the reclaimed domestic wastewater distribution system (with the exception of application equipment such as sprinklers or pivots) shall be colored purple or clearly labeled as being part of a reclaimed domestic wastewater distribution system. Piping, valves, outlets, and other plumbing fixtures shall be purple pursuant to the latest revision of the New Mexico Plumbing Code (14.8.2 NMAC) and New Mexico Mechanical Code (14.9.2 NMAC) to differentiate piping or fixtures used to convey reclaimed wastewater from those intended for potable or other uses.h) Valves, outlets, and sprinkler heads used in reclaimed wastewater systems shall be accessible only to authorized personnel. <p>The Permittee shall demonstrate adherence to these requirements by submitting documentation consisting of narrative statements and date-stamped photographs as appropriate. The Permittee shall submit the documentation to NMED once during the term of this Discharge Permit in the next required periodic monitoring report after the issuance of the Discharge Permit.</p>

#	Terms and Conditions
	[Subsections B and C of 20.6.2.3109 NMAC, NMSA 1–78, § 74-6–5.D]
11.	<p>The Permittee shall meet the following setbacks, access restrictions and equipment requirements for spray irrigation using Class 1A reclaimed domestic wastewater.</p> <ul style="list-style-type: none"> a) No required setback between any dwellings or occupied establishments and the edge of the reuse area. b) Postpone irrigation using reclaimed domestic wastewater at times when windy conditions may result in the drift of reclaimed wastewater outside the reuse area. c) No required access control. d) Limit spray irrigation system to low-trajectory spray nozzles. <p>[Subsections B and C of 20.6.2.3109 NMAC, NMSA 1–78, § 74–5.D]</p>
12.	<p>The Permittee shall meet the following requirements for the temporary above-ground use of reclaimed domestic wastewater.</p> <ul style="list-style-type: none"> a) Restrict access to the reclaimed domestic wastewater distribution system (standpipe). Transfer of reclaimed domestic wastewater to other users shall only be done by the Permittee or its designee. The Permittee shall prohibit public access to the reclaimed domestic wastewater system. b) Notify all recipients of reclaimed domestic wastewater for temporary uses in writing of the following. <ul style="list-style-type: none"> i. Reclaimed domestic wastewater is approved only for construction activities; soil compaction; mixing of mortars, slurries or cement; dust control on roads and construction sites; animal watering; and irrigation of non-food crops. ii. Reclaimed domestic wastewater shall be discharged by gravity flow or under low pressure in a manner that minimizes misting and does not result in excessive standing or ponding of wastewater. iii. If the discharge method results in misting, the area(s) receiving the reclaimed domestic wastewater must be 100 feet from areas accessible to the public. iv. The area receiving the discharge must be 300 feet from potable water supply wells. v. Transport vehicles and storage tanks containing reclaimed domestic wastewater shall have signs, in English and Spanish, identifying the contents as non-potable water and advising against consumption. vi. The user shall not apply of reclaimed domestic wastewater at times when the receiving area is saturated or frozen. <p>The Permittee shall maintain a log of all recipients of reclaimed domestic wastewater and shall provide the log to NMED upon request.</p> <p>[20.6.2.3109 NMAC]</p>

#	Terms and Conditions
13.	<p>The Permittee shall institute a backflow prevention method to protect wells and public water supply systems from contamination by reclaimed domestic wastewater prior to discharging to the reuse area. Backflow prevention shall be achieved by a total disconnect (physical air gap separation between the discharge pipe and the liquid surface at least twice the diameter of the discharge pipe), or by a reduced pressure principal backflow prevention assembly (RP) installed on the line between the fresh water supply wells or public water supply and the reclaimed domestic wastewater delivery system. The Permittee shall maintain backflow prevention at all times.</p> <p>The Permittee shall have RP devices inspected and tested by a certified backflow prevention assembly tester at the time of installation, repair or relocation and at least on an annual basis thereafter. The backflow prevention assembly tester shall have successfully completed a 40-hour backflow prevention course based on the University of Southern California’s Backflow Prevention Standards and Test Procedures, and obtained certification demonstrating completion. The Permittee shall have all malfunctioning RP devices repaired or replaced within 30 days of discovery. The Permittee shall cease using supply lines associated with the RP device until repair or replacement is complete.</p> <p>The Permittee shall maintain copies of the inspection and maintenance records and test results for each RP device associated with the backflow prevention program at a location available for inspection by NMED.</p> <p>[Subsection C of 20.6.2.3109 NMAC]</p>
14.	<p>The Permittee shall maintain fences around the WRF to restrict access by the general public and animals. The fences shall consist of a minimum of six-foot chain link or field fencing and locking gates. The Permittee shall maintain the fences to serve the stated purpose throughout the term of this Discharge Permit.</p> <p>[Subsections B and C of 20.6.2.3109 NMAC, NMSA 1978, § 74-6-5.D]</p>
15.	<p>The Permittee shall maintain signs indicating that the wastewater at the WRF is not potable. The Permittee shall post signs at the WRF entrance and other areas where there is potential for public contact with wastewater. The Permittee shall print signs in English and Spanish and shall ensure the signs remain visible and legible for the term of this Discharge Permit.</p> <p>[Subsections B and C of 20.6.2.3109 NMAC, NMSA 1978, § 74-6-5.D]</p>
16.	<p>The Permittee shall properly manage all solids generated by the treatment system to maintain effective operation of the system by removing solids as necessary and in accordance with the associated equipment manufacturer’s specifications. The Permittee</p>

#	Terms and Conditions
	shall contain, transport, and dispose of solids removed from the treatment process in accordance with all local, state, and federal regulations. [Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]
17.	The Permittee shall utilize operators, certified by the State of New Mexico at the appropriate level pursuant to 20.7.4 NMAC, to operate the wastewater collection, treatment, and disposal systems. A certified operator or a direct supervisee of a certified operator shall perform the operations and maintenance of all or any part of the wastewater system. The Permittee shall notify the NMED within 24 hours if at any time the Permittee no longer has a certified operator maintaining the system. [Subsection C of 20.6.2.3109 NMAC, 20.7.4 NMAC]

B. MONITORING AND REPORTING

#	Terms and Conditions
18.	The Permittee shall conduct the monitoring, reporting, and other requirements listed below in accordance with the monitoring requirements of this Discharge Permit. [Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]
19.	METHODOLOGY – Unless otherwise specified by this Discharge Permit, or approved in writing by NMED, the Permittee shall use sampling and analytical techniques that conform with the references listed in Subsection B of 20.6.2.3107 NMAC. [Subsection B of 20.6.2.3107 NMAC]

Due Dates for Monitoring Reports

#	Terms and Conditions
20.	Quarterly monitoring - The Permittee shall perform monitoring and other Permit required actions during the following periods and shall submit quarterly reports to NMED by the following due dates: <ul style="list-style-type: none"> • January 1st through March 31st – due by May 1st; • April 1st through June 30th – due by August 1st; • July 1st through September 30th – due by November 1st; and • October 1st through December 31st – due by February 1st.

#	Terms and Conditions
	[Subsection A of 20.6.2.3107 NMAC]

Monitoring Actions with Implementation Deadlines

#	Terms and Conditions
21.	<p>Prior to discharging from the WRF to the East Mesa Public Recreation Complex, the Permittee shall install the following flow meters.</p> <p>a) One totalizing flow meter installed on the discharge line from the reclaimed domestic wastewater storage tank to the East Mesa Public Recreation Complex to measure the volume of reclaimed domestic wastewater discharged to the East Mesa Public Recreation Complex.</p> <p>The Permittee shall submit confirmation of meter installation, type, calibration, and locations prior to discharging from the WRF to the East Mesa Public Recreation Complex.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]</p>
22.	<p>The Permittee shall sample reclaimed domestic wastewater for the presence of perfluorinated chemicals (PFCs).</p> <p>Within 2.5 years of the issuance date of this Discharge Permit (by DATE), the Permittee shall collect a single grab sample after the UV disinfection unit. The Permittee shall analyze the sample for the following PFCs:</p> <ul style="list-style-type: none"> • perfluorohexane sulfonic acid (PFHxS) (CAS 355-46-4) • perfluorooctane sulfonate (PFOS) (CAS 1763-23-1) • perfluorooctanoic acid (PFOA) (CAS 335-67-1) <p>The Permittee shall properly collect, prepare, preserve, transport, and analyze the sample in accordance with Method 1633, or an equivalent method that uses liquid chromatography and tandem mass spectrometry (LC/MS/MS). The reporting limit shall be low enough to identify whether the combined concentration of the perfluorinated chemicals is less than the Tap Water Screening Level identified in the <i>NMED Risk Assessment Guidance for Site Assessments and Investigations</i>, Table A-1 available on the NMED Hazardous Waste Bureau’s website under Guidance Documents. The Permittee shall take appropriate measures to avoid cross contamination while collecting and transporting the sample. The selected laboratory should be able to provide guidance that ensures sample integrity. The Permittee shall submit a copy of the laboratory report, including analytical results, the QA/QC summary, and the Chain of Custody to NMED within 30 days of laboratory report receipt.</p>

#	Terms and Conditions
	[Subsection H of 20.6.2.3109 NMAC, Subsection A of 20.6.2.3107 NMAC]

Facility Monitoring Conditions

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23.	<p>The Permittee shall measure the total monthly volume, calculate the daily average volume, and record the daily peak volume of wastewater received by the WRF each month using a totalizing flow meter located prior to the drum screens. The Permittee shall submit the totalized average daily and peak daily influent volumes for each calendar month to NMED in the quarterly monitoring reports.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsections C and H of 20.6.2.3109 NMAC]</p>
24.	<p>The Permittee shall on a monthly basis measure the volume of reclaimed domestic wastewater discharged from the treatment system to the reclaimed wastewater storage tank during the period.</p> <p>To determine the discharge volume, the Permittee shall obtain readings using a primary measurement device (equipped with head sensing, totalizing and chart recording/data logging mechanisms) located after the UV disinfection system and prior to the reclaimed domestic wastewater tank on a monthly basis and calculate the monthly and average daily discharge volume.</p> <p>The Permittee shall submit the totalized monthly meter readings, calculated monthly discharge volumes, and average daily discharge volumes to NMED in the quarterly monitoring reports.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsections C and H of 20.6.2.3109 NMAC]</p>
25.	<p>The Permittee shall on a monthly basis measure the volume of reclaimed domestic wastewater discharged from the treatment system to Veterans Park, Sage Crest Park, Las Cruces Dam Restoration Project, East Mesa Public Recreation Complex, Sonoma Ranch Golf Course (DP-1735), Centennial High School (DP-1819), and the standpipe.</p> <p>To determine the discharge volume, the Permittee shall obtain readings from seven totalizing flow meters located after the reclaimed domestic wastewater tank on a monthly basis and calculate the monthly and average daily discharge volume.</p>

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	<p>The Permittee shall submit the calendar monthly meter readings, calculated monthly discharge volumes, and average daily discharge volumes to NMED in the quarterly monitoring reports.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsections C and H of 20.6.2.3109 NMAC]</p>
26.	<p>All flow meters shall be capable of having their accuracy verified under working (i.e., real-time in-the-field) conditions. The Permittee shall develop a field verification method for each flow meter and shall utilize that method to check the accuracy of each respective meter. The Permittee shall perform field calibrations, at a minimum, on an annual basis. The Permittee shall also perform field calibrations upon repair or replacement of a flow measurement device.</p> <p>The Permittee shall calibrate each flow meter to its manufacturer's recommended specification which shall be no less accurate than plus or minus 10 percent of actual flow, as measured under field conditions. An individual knowledgeable in flow measurement shall perform field calibration and the installation/operation of the device in use. The Permittee shall prepare a flow meter calibration report for each flow measurement device calibration event. The flow meter calibration report shall include the following information.</p> <ul style="list-style-type: none">a) The location and meter identification.b) The method of flow meter field calibration employed.c) The measured accuracy of each flow meter prior to adjustment indicating the positive or negative offset as a percentage of actual flow as determined by an in-field calibration check.d) The measured accuracy of each flow meter following adjustment, if necessary, indicating the positive or negative offset as a percentage of actual flow of the meter.e) Any flow meter repairs made during the previous year or during field calibration.f) The name of the individual performing the calibration and the date of the calibration. <p>The Permittee shall maintain records of flow meter calibration(s) at a location accessible for review by NMED during Facility inspections.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsections C and H of 20.6.2.3109 NMAC]</p>
27.	<p>The Permittee shall visually inspect flow meters on a monthly basis for evidence of malfunction. The Permittee shall maintain a log of the inspections that includes a date of the inspection, findings and repairs, and the name of the inspector. The Permittee shall make the log available to NMED upon request.</p> <p>If a visual inspection indicates a flow meter is not functioning as required by this Discharge Permit, the Permittee shall repair or replace the meter within 30 days of</p>

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	<p>discovery. For <i>repaired</i> meters, the Permittee shall submit a report to NMED with the next monitoring report following the repair that includes a description of the malfunction; a statement verifying the repair; and a flow meter field calibration report completed in accordance with the requirements of this Discharge Permit. For <i>replacement</i> meters, the Permittee shall submit a report to NMED with the next monitoring report following the replacement that includes a design schematic for the device and a flow meter field calibration report completed in accordance with the requirements of this Discharge Permit.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]</p>
28.	<p>The Permittee shall collect samples of reclaimed domestic wastewater after the UV disinfection system on a monthly basis and analyze the samples for:</p> <ul style="list-style-type: none"> • TKN; • NO₃-N; • TDS; and • Cl. <p>The Permittee shall ensure the samples are properly prepared, preserved, transported, and analyzed in accordance with the methods authorized in this Discharge Permit. The Permittee shall submit the laboratory analytical data results, including the QA/QC summary and Chain of Custody, to NMED in the quarterly monitoring report.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsections C and H of 20.6.2.3109 NMAC]</p>
29.	<p>During any week that the discharge of reclaimed domestic wastewater occurs, the Permittee shall perform the following analyses on the wastewater samples collected after the UV disinfection system using the following sampling method and frequency:</p> <ul style="list-style-type: none"> • Fecal coliform: grab sample at peak daily flow three times per week; • BOD₅: six-hour composite sample three times per week; • Turbidity: continuously monitor reclaimed domestic wastewater for turbidity after the final treatment process and while discharging; record the average and maximum turbidity values for each calendar month; and • UV transmissivity values or TRC concentrations: record whenever collecting bacteria samples. <p>The Permittee shall ensure the samples are properly prepared, preserved, transported, and analyzed in accordance with the methods authorized in this Discharge Permit. The Permittee shall submit the laboratory analytical data results, including the QA/QC summary and Chain of Custody, monthly average and maximum turbidity values, and a copy of the log of UV transmissivity values or TRC concentrations to NMED in the quarterly monitoring report.</p>

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	<p>[Subsection A of 20.6.2.3107 NMAC, Subsections B, C and H of 20.6.2.3109 NMAC, NMSA 1978, § 74-6-5.D]</p>
<p>30.</p>	<p>On an annual basis, the Permittee shall collect a 24-hour flow weighted composite sample (except as noted for pH) of reclaimed domestic wastewater from after the UV disinfection system and analyze the sample for the following inorganic contaminants (dissolved fraction, except as noted):</p> <ul style="list-style-type: none"> • aluminum (CAS 7429-90-5) • antimony (CAS 7440-36-0) • arsenic (CAS 7440-38-2) • barium (CAS 7440-39-3) • beryllium (CAS 7440-41-7) • boron (CAS 7440-42-8) • cadmium (CAS 7440-43-9) • chromium (CAS 7440-47-3) • cobalt (CAS 7440-48-4) • copper (CAS 7440-50-8) • cyanide CAS 57-12-5) • fluoride (CAS 16984-48-8) • iron (CAS 7439-89-6) • lead (CAS 7439-92-1) • manganese (CAS 7439-96-5) • molybdenum (CAS 7439-98-7) • total mercury (nonfiltered) (CAS 7439-97-6) • pH (instantaneous) • nickel (CAS 7440-02-0) • radioactivity: combined radium-226 & radium-228 (CAS 15262-20-1) • selenium (CAS 7782-49-2) • silver (CAS 7440-224) • sulfate (CAS 14808-79-8) • thallium (CAS 7440-28-0) • uranium (CAS 7440-61-1) • zinc (CAS 7440-66-6) <p>The Permittee shall properly collect, prepare, preserve, transport, and analyze the samples in accordance with the methods authorized in this Discharge Permit. The Permittee shall analyze the sample using methods with reporting limits that are less than the corresponding numerical groundwater standards identified in 20.6.2.3103 NMAC.</p> <p>The Permittee shall submit a summary of measured concentrations compared with the corresponding groundwater standards, a copy of the laboratory report including the laboratory analytical data results, the QA/QC summary and the Chain of Custody, to NMED in the monitoring reports due by August 1st each year.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsections C and H of 20.6.2.3109 NMAC]</p>
<p>31.</p>	<p>On an annual basis, the Permittee shall collect a grab sample of reclaimed domestic wastewater from after the UV disinfection system and analyze the non-filtered sample for the following organic contaminants:</p>

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	<ul style="list-style-type: none"> • atrazine (CAS 1912-24-9) • benzene (CAS 71-43-2) • benzo-a-pyrene (CAS 50-32-8) • carbon tetrachloride (CAS 56-23-5) • chloroform (CAS 67-66-3) • 1,2-dichlorobenzene (CAS 95-50-1) • 1,4-dichlorobenzene (CAS 106-46-7) • 1,1-dichloroethane (CAS 75-34-3) • 1,2-dichloroethane (EDC, CAS 107-06-2) • 1,1-dichloroethene (1,1-DCE, CAS 75-35-4) • cis-1,2-dichloroethene (CAS 156-59-2) • trans-1,2-dichloroethene (CAS 156-60-5) • 1,2-dichloropropane (PDC, CAS 78-87-5) • ethylbenzene (CAS 100-41-4) • ethylene dibromide (EDB, CAS 106-93-4) • methylene chloride (CAS 75-09-2) • <u>PAHs</u>: total naphthalene (CAS 91-20-3) plus monomethylnaphthalenes • phenols • polychlorinated biphenyls (PCBs, CAS 1336-36-3) • pentachlorophenol (CAS 87-86-5) • styrene (CAS 100-42-5) • 1,1,2,2-tetrachloroethane (CAS 79-34-5) • tetrachloroethene (PCE, CAS 127-18-4) • 1,2,4-trichlorobenzene (CAS 120-82-1) • 1,1,1-trichloroethane (1,1,1-TCA, CAS 71-55-6) • 1,1,2-trichloroethane (CAS 79-00-5) • trichloroethene (TCE, CAS 79-01-6) • vinyl chloride (CAS 75-01-4) • total xylenes (CAS 1330-20-7) <p>The Permittee shall properly collect, prepare, preserve, transport, and analyze the samples in accordance with the methods authorized in this Discharge Permit. The Permittee shall analyze samples using methods with reporting limits that are less than the corresponding numerical groundwater standards identified in 20.6.2.3103 NMAC.</p> <p>The Permittee shall submit a summary of measured concentrations compared with the corresponding groundwater standards, and a copy of the laboratory report including the laboratory analytical data results, the QA/QC summary and the Chain of Custody to NMED in the monitoring reports due by August 1st each year.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsections C and H of 20.6.2.3109 NMAC]</p>

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32.	<p>The Permittee shall keep a Fertilizer Log (copy enclosed) of all additional nitrogenous fertilizer applied to <i>each</i> park (reuse areas). The Log shall contain the date of fertilizer application, the type (organic or inorganic) and form (granular or liquid), nitrogen concentration (in percent), the amount of fertilizer applied (in pounds per acre), and the amount of nitrogen applied (in pounds per acre) for each location. The Permittee shall submit the log or a statement that application of fertilizer did not occur to NMED in the subsequent quarterly monitoring report.</p> <p>[Subsection A of 20.6.2.3107 NMAC]</p>
33.	<p>The Permittee shall submit records of solids disposal, including a copy of all Discharge Monitoring Reports (i.e., DMRs) required by the EPA pursuant to 40 CFR 503, for the previous calendar year, to NMED annually in the monitoring report due by August 1st each year.</p> <p>[Subsection A of 20.6.2.3107 NMAC]</p>

C. CONTINGENCY PLAN

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34.	<p>In the event that groundwater exceeds a groundwater protection standard identified in Section 20.6.2.3103 NMAC as a result of this discharge, the Permittee shall submit to NMED a Corrective Action Plan (CAP) that proposes, at a minimum, contaminant source control measures and an implementation schedule. The Permittee shall implement the CAP following approval by NMED.</p> <p>The NMED may require the Permittee to abate water pollution consistent with the requirements and provisions of Section 20.6.2.4101, Section 20.6.2.4103, Subsections C and E of 20.6.2.4106, Section 20.6.2.4107, Section 20.6.2.4108 and Section 20.6.2.4112 NMAC.</p> <p>[20.6.2.3103 NMAC, Subsection A of 20.6.2.3107 NMAC, Subsection E of 20.6.2.3109 NMAC]</p>
35.	<p>In the event that the Facility exceeds the authorized discharge volume set in this Discharge Permit, the Permittee shall initiate the following Contingency Plan.</p> <p><u>Contingency Plan</u></p> <p>a) Notify NMED within seven days of the discovery of the discharge volume exceedance that the Facility exceeded the authorized discharge volume.</p>

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	<p>b) The Permittee shall conduct a physical inspection of the discharge system, i.e., inflow and infiltration issues, collection system failures, etc., and the discharge meter(s)/volume measuring device/method to detect abnormalities and report the findings to NMED within 30 days of the discovery of the discharge volume exceedance. The Permittee shall correct any abnormalities detected with NMED’s concurrence.</p> <p>c) If the Permittee does not detect any abnormalities and, with NMED’s concurrence, the Permittee shall submit a discharge permit modification for the increase in discharge quantity to NMED within 90 days of the discovery of the discharge volume exceedance. The discharge permit modification must include demonstration that the volume increase is sufficient for the design capacity or plans and specifications to upgrade the system to accommodate the discharge volume increase.</p> <p>[Subsection A of 20.6.2.3107 NMAC]</p>
36.	<p>In the event that analytical results of a treated wastewater sample indicate an exceedance of the total nitrogen discharge limit set in this Discharge Permit, the Permittee shall collect and submit for analysis a second sample within 48 hours of the receipt of the initial sampling results. In the event the second sample results indicate an exceedance of the discharge limit, the Permittee shall implement the following contingencies.</p> <p>a) Within 7 days of the second sample analysis date indicating exceedance of the discharge limit, the Permittee shall:</p> <ul style="list-style-type: none"> i) notify NMED that the Permittee is implementing the Contingency Plan; and ii) submit a copy of the first and second analytical results indicating an exceedance to NMED. <p>b) The Permittee shall increase the frequency of total nitrogen wastewater sampling and analysis of treated wastewater to once per week.</p> <p>c) The Permittee shall examine the operation and maintenance log, required by the Record Keeping conditions of this Discharge Permit, for improper operational procedures.</p> <p>d) The Permittee shall conduct a physical inspection of the treatment system to detect abnormalities. The Permittee shall correct any abnormalities discovered. The Permittee shall submit a report to NMED detailing the corrections within 30 days of the correction.</p> <p>e) In the event that any analytical results from weekly wastewater sampling indicate an exceedance of the total nitrogen discharge limit, the Permittee shall submit a CAP to NMED for approval proposing to modify operational procedures and/or upgrade the treatment process to achieve the total nitrogen limit. The Permittee shall submit the CAP including a schedule for completion of corrective actions and within 90 days of receipt of the analytical results of the second sample indicating that the discharge continues to exceed the limit. The Permittee shall initiate implementation of the CAP</p>

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	<p>following approval by NMED.</p> <p>When analytical results from three consecutive months of wastewater sampling do not exceed the discharge limit, the Permittee may request that NMED authorize a return to a quarterly monitoring frequency.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]</p>
37.	<p>In the event that analytical results of a reclaimed domestic wastewater sample exceed any of the maximum discharge limits for BOD₅, turbidity, or fecal coliform set by this Discharge Permit, the Permittee shall collect and submit for analysis a second sample within 24 hours after becoming aware of the exceedance. In the event the second sample results confirm the exceedance of the maximum discharge limits, the Permittee shall implement the Contingency Plan below.</p> <p>In the event that analytical results of a reclaimed domestic wastewater sample exceed any of the 30-day average discharge limits for BOD₅, turbidity, or fecal coliform set by this Discharge Permit (i.e., confirmed exceedance), the Permittee shall implement the Contingency Plan below.</p> <p><u>Contingency Plan</u></p> <ul style="list-style-type: none">a) Within 24 hours of becoming aware of a confirmed exceedance (as identified above), the Permittee shall:<ul style="list-style-type: none">i) notify NMED that the Permittee is implementing the Contingency Plan; andii) submit copies of the recent analytical results indicating the exceedance(s) to NMED.b) The Permittee shall immediately cease discharging reclaimed domestic wastewater to the reuse areas if the fecal coliform or E. coli bacteria maximum limit is exceeded.c) The Permittee shall examine the operation and maintenance log, required by the Record Keeping conditions of this Discharge Permit, for improper operational procedures.d) The Permittee shall conduct a physical inspection of the treatment system to detect abnormalities and shall correct any abnormalities discovered. The Permittee shall submit a report detailing the corrections made to NMED within 30 days following correction. <p>When the analytical results from samples of reclaimed domestic wastewater, sampled as required by this Discharge Permit, no longer indicate an exceedance of the maximum discharge limits for fecal coliform or E. coli bacteria, the Permittee may resume discharging reclaimed domestic wastewater to the reuse area(s) with NMED approval.</p>

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	<p>If a Facility is required to implement the Contingency Plan more than two times in a 12-month period, the Permittee shall propose to modify operational procedures and upgrade the treatment process to achieve consistent compliance with the maximum and 30-day average discharge limits by submitting a Corrective Action Plan (CAP) for NMED approval within 60 days following receipt of the analytical results confirming the exceedance. The Permittee shall ensure the CAP includes a schedule for completion of corrective actions and identification of alternative disposal locations/methods. The Permittee shall initiate implementation of the CAP following approval by NMED. NMED may require the Permittee to complete approved corrective actions prior to recommencing discharge to the reuse area(s).</p> <p>NMED may require, prior to recommencing discharge to the reuse area(s), additional sampling of any stored reclaimed domestic wastewater.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]</p>
38.	<p>In the event that a release occurs that is not authorized under this Discharge Permit (commonly known as a “spill”), the Permittee shall take measures to mitigate damage from the unauthorized discharge and initiate the notifications and corrective actions required in Section 20.6.2.1203 NMAC and summarized below. A release is defined as such quantity as may with reasonable probability injure or be detrimental to human health, animal or plant life, or property, or unreasonably interfere with the public welfare or the use of property.</p> <p>Within <u>24 hours</u> following discovery of the unauthorized discharge, the Permittee shall verbally notify NMED and provide the following information.</p> <ol style="list-style-type: none"> a) The name, address, and telephone number of the person or persons in charge of the Facility, as well as of the owner and/or operator of the Facility. b) The name and address of the Facility. c) The date, time, location, and duration of the unauthorized discharge. d) The source and cause of unauthorized discharge. e) A description of the unauthorized discharge, including its estimated chemical composition. f) The estimated volume of the unauthorized discharge. g) Any actions taken to mitigate immediate damage from the unauthorized discharge. <p>Within <u>one week</u> following discovery of the unauthorized discharge, the Permittee shall submit written notification to NMED providing the information listed above and any pertinent updates.</p> <p>Within <u>15 days</u> following discovery of the unauthorized discharge, the Permittee shall submit a CAP to NMED describing any corrective actions previously taken and corrective</p>

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	<p>actions to be taken relative to the unauthorized discharge. The CAP shall include the following information.</p> <ul style="list-style-type: none"> a) A description of proposed actions to mitigate damage from the unauthorized discharge. b) A description of proposed actions to prevent future unauthorized discharges of this nature. c) A schedule for completion of proposed actions. <p>In the event that the unauthorized discharge causes or may with reasonable probability cause water pollution in excess of the standards and requirements of Section 20.6.2.4103 NMAC, and the water pollution will not be abated within 180 days after notice is required to be given pursuant to Paragraph (1) of Subsection A of 20.6.2.1203 NMAC, NMED may require the Permittee to abate water pollution pursuant to Sections 20.6.2.4000 through 20.6.2.4115 NMAC.</p> <p>The Permittee shall not construe anything in this condition as relieving them of the obligation to comply with all requirements of Section 20.6.2.1203 NMAC.</p> <p>[20.6.2.1203 NMAC]</p>
39.	<p>In the event that NMED or the Permittee identifies any failures of the discharge plan, i.e., the application, or this Discharge Permit not specifically noted herein, NMED may require the Permittee to submit a CAP and a schedule for completion of corrective actions to address the failure(s). Additionally, NMED may require a discharge permit modification to achieve compliance with 20.6.2 NMAC.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection E of 20.6.2.3109 NMAC]</p>

D. CLOSURE PLAN

Permanent Facility Closure Conditions

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40.	<p>The Permittee shall perform the following closure measures in the event the Facility, or a component of the Facility, is proposed to be permanently closed.</p> <p>Within <u>90 days</u> of ceasing to discharge to the treatment system, the Permittee shall complete the following closure measures.</p> <ul style="list-style-type: none"> a) Plug the line leading to the system so that a discharge can no longer occur. b) Evaporate wastewater in the system components or drain and dispose of in accordance with all local, state, and federal regulations, or discharge from the system

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	<p>to the reuse area as authorized by this Discharge Permit. The discharge of accumulated solids (sludge) to the reuse area is prohibited.</p> <p>c) Contain, transport, and dispose of solids removed from the treatment system in accordance with all local, state, and federal regulations, including 40 CFR Part 503. The Permittee shall maintain a record of all solids transported for off-site disposal.</p> <p>Within <u>180 days</u> of ceasing to discharge to the treatment system (or unit), the Permittee shall complete the following closure measures.</p> <p>a) Remove all lines leading to and from the treatment system, or permanently plug and abandon them in place.</p> <p>b) Remove or demolish all treatment system components, and re-grade the area with suitable fill to blend with surface topography, promote positive drainage and prevent ponding.</p> <p>When the Permittee has met all closure and post-closure requirements and verified appropriate actions with date-stamped photographic evidence or an associated NMED inspection, the Permittee may submit to NMED a written request, including photographic evidence, for termination of the Discharge Permit.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection D of 20.6.2.4103 NMAC, 40 CFR Part 503]</p>

E. GENERAL TERMS AND CONDITIONS

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41.	<p>RECORD KEEPING - The Permittee shall maintain a written record of the following:</p> <ul style="list-style-type: none"> • Information and data used to complete the application for this Discharge Permit; • Information, data, and documents demonstrating completion of closure activities; • Any releases (commonly known as “spills”) not authorized under this Discharge Permit and reports submitted pursuant to 20.6.2.1203 NMAC; • The operation, maintenance, and repair of all facilities/equipment used to treat, store or dispose of wastewater; • Facility record drawings (plans and specifications) showing the actual construction of the Facility and bear the seal and signature of a licensed New Mexico professional engineer; • Copies of logs, inspection reports, and monitoring reports completed and/or submitted to NMED pursuant to this Discharge Permit; • The volume of wastewater or other wastes discharged pursuant to this Discharge Permit;

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	<ul style="list-style-type: none"> • Groundwater quality and wastewater quality data collected pursuant to this Discharge Permit; • Copies of construction records (well log) for all sampled groundwater monitoring wells pursuant to this Discharge Permit; • The maintenance, repair, replacement or calibration of any monitoring equipment or flow measurement devices required by this Discharge Permit; and • Data and information related to field measurements, sampling, and analysis conducted pursuant to this Discharge Permit, including: <ul style="list-style-type: none"> ○ the dates, location and times of sampling or field measurements; ○ the name and job title of the individuals who performed each sample collection or field measurement; ○ the sample analysis date of each sample; ○ the name and address of the laboratory, and the name of the signatory authority for the laboratory analysis; ○ the analytical technique or method used to analyze each sample or collect each field measurement; ○ the results of each analysis or field measurement, including raw data; ○ the results of any split, spiked, duplicate or repeat sample; and ○ a copy of the laboratory analysis chain-of-custody as well as a description of the quality assurance and quality control procedures used. <p>The Permittee shall maintain the written record at a location accessible to NMED during a Facility inspection for a minimum of five years. The Permittee shall make the record available to NMED upon request.</p> <p>[Subsections A and D of 20.6.2.3107 NMAC]</p>
42.	<p>SUBMITTALS – The Permittee shall submit both a paper copy and an electronic copy of all notification and reporting documents required by this Discharge Permit, e.g., monitoring reports. The Permittee shall submit paper and electronic documents to the NMED Permit Contact identified on the Permit cover page.</p> <p>[Subsection A of 20.6.2.3107 NMAC]</p>
43.	<p>INSPECTION and ENTRY – The Permittee shall allow NMED to inspect the Facility and its operations that are subject to this Discharge Permit and the WQCC regulations. NMED may upon presentation of proper credentials, enter at reasonable times upon or through any premises in which a water contaminant source is located or in which any maintained records required by this Discharge Permit, the regulations of the federal government, or the WQCC are located.</p>

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	<p>The Permittee shall allow NMED to have access to and reproduce for their use any copy of the records, and to perform assessments, sampling or monitoring during an inspection for the purpose of evaluating compliance with this Discharge Permit and the WQCC regulations.</p> <p>No person shall construe anything in this Discharge Permit as limiting in any way the inspection and entry authority of NMED under the WQA, the WQCC Regulations, or any other local, state or federal regulations.</p> <p>[Subsection D of 20.6.2.3107 NMAC, NMSA 1978, §§ 74-6-9.B and 74-6-9.E]</p>
44.	<p>DUTY to PROVIDE INFORMATION - The Permittee shall, upon NMED’s request, allow for NMED’s inspection/duplication of records required by this Discharge Permit and/or furnish to NMED copies of such records.</p> <p>[Subsection D of 20.6.2.3107 NMAC]</p>
45.	<p>MODIFICATIONS and/or AMENDMENTS – In the event the Permittee proposes a change to the Facility or the Facility’s discharge that would result in a change in the volume discharged; the location of the discharge; or in the amount or character of water contaminants received, treated or discharged by the Facility, the Permittee shall notify NMED prior to implementing such changes. The Permittee shall obtain NMED’s approval (which may require modification of this Discharge Permit) prior to implementing such changes.</p> <p>[Subsection C of 20.6.2.3107 NMAC, Subsections E and G of 20.6.2.3109 NMAC]</p>
46.	<p>PLANS and SPECIFICATIONS – In the event the Permittee proposes to construct a wastewater system or change a process unit of an existing system such that the quantity or quality of the discharge will change substantially from that authorized by this Discharge Permit, the Permittee shall submit construction plans and specifications of the proposed system or process unit to NMED for approval prior to the commencement of construction.</p> <p>In the event the Permittee implements changes to the wastewater system authorized by this Discharge Permit that result in only a minor effect on the character of the discharge, the Permittee shall report such changes (including the submission of record drawings where applicable) to NMED prior to implementation.</p> <p>[Subsections A and C of 20.6.2.1202 NMAC, NMSA 1978, §§ 61-23-1 through 61-23-32]</p>
47.	<p>CIVIL PENALTIES - Any violation of the requirements and conditions of this Discharge Permit, including any failure to allow NMED staff to enter and inspect records or facilities,</p>

#	Terms and Conditions
	<p>or any refusal or failure to provide NMED with records or information, may subject the Permittee to a civil enforcement action. Pursuant to WQA 74-6-10(A) and (B), such action may include a compliance order requiring compliance immediately or in a specified time, assessing a civil penalty, modifying or terminating the Discharge Permit, or any combination of the foregoing; or an action in district court seeking injunctive relief, civil penalties, or both. Pursuant to WQA 74-6-10(C) and 74-6-10.1, civil penalties of up to \$15,000 per day of noncompliance may be assessed for each violation of the WQA 74-6-5, the WQCC Regulations, or this Discharge Permit, and civil penalties of up to \$10,000 per day of noncompliance may be assessed for each violation of any other provision of the WQA, or any regulation, standard, or order adopted pursuant to such other provision. In any action to enforce this Discharge Permit, the Permittee waives any objection to the admissibility as evidence of any data generated pursuant to this Discharge Permit.</p> <p>[20.6.2.1220 NMAC, NMSA 1978, §§ 74-6-10 and 74-6-10.1]</p>
48.	<p>CRIMINAL PENALTIES – No person shall:</p> <ul style="list-style-type: none"> • Make any false material statement, representation, certification or omission of material fact in an application, record, report, plan or other document filed, submitted or maintained under the WQA; • Falsify, tamper with or render inaccurate any monitoring device, method or record maintained under the WQA; or • Fail to monitor, sample or report as required by a permit issued pursuant to a state or federal law or regulation. <p>Any person who knowingly violates or knowingly causes or allows another person to violate the requirements of this condition is guilty of a fourth-degree felony and shall be sentenced in accordance with the provisions of NMSA 1978, § 31-18-15. Any person who is convicted of a second or subsequent violation of the requirements of this condition is guilty of a third-degree felony and shall be sentenced in accordance with the provisions of NMSA 1978, § 31-18-15. Any person who knowingly violates the requirements of this condition or knowingly causes another person to violate the requirements of this condition and thereby causes a substantial adverse environmental impact is guilty of a third-degree felony and shall be sentenced in accordance with the provisions of NMSA 1978, § 31-18-15. Any person who knowingly violates the requirements of this condition and knows at the time of the violation that he is creating a substantial danger of death or serious bodily injury to any other person is guilty of a second degree felony and shall be sentenced in accordance with the provisions of NMSA 1978, § 31-18-15.</p> <p>[20.6.2.1220 NMAC, NMSA 1978, §§ 74-6-10.2.A through 74-6-10.2.F]</p>
49.	<p>COMPLIANCE with OTHER LAWS - Nothing in this Discharge Permit shall be construed in any way as relieving the Permittee of the obligation to comply with any other applicable</p>

#	Terms and Conditions
	<p>federal, state, and/or local laws, regulations, zoning requirements, nuisance ordinances, permits or orders.</p> <p>[NMSA 1978, § 74-6-5.L]</p>
50.	<p>RIGHT to APPEAL - The Permittee may file a petition for review before the WQCC on this Discharge Permit. Such petition shall be in writing to the WQCC within thirty days of the receipt of postal notice of this Discharge Permit and shall include a statement of the issues raised and the relief sought. Unless the Permittee files a timely petition for review, the decision of NMED shall be final and not subject to judicial review.</p> <p>[20.6.2.3112 NMAC, NMSA 1978, § 74-6-5.O]</p>
51.	<p>TRANSFER of DISCHARGE PERMIT - Prior to the transfer of any ownership, control, or possession of this Facility or any portion thereof, the Permittee shall:</p> <ul style="list-style-type: none"> • Notify the proposed transferee in writing of the existence of this Discharge Permit; • Include a copy of this Discharge Permit with the notice; and • Deliver or send by certified mail to NMED a copy of the notification and proof that the proposed transferee has received such notification. <p>The Permittee shall continue to be responsible for any discharge from the Facility, until both ownership and possession of the Facility have been transferred to the transferee.</p> <p>[20.6.2.3111 NMAC]</p>
52.	<p>PERMIT FEES – The Permittee shall be aware that the payment of permit fees is due at the time of Discharge Permit approval. The Permittee may pay the permit fees in a single payment or they may pay the fee in equal installments on a yearly basis over the term of the Discharge Permit. The Permittee shall remit single payments to NMED no later than 30 days after the Discharge Permit issuance date. The Permittee shall remit initial installment payments to NMED no later than 30 days after the Discharge Permit issuance date; with subsequent installment payments remitted to NMED no later than the anniversary of the Discharge Permit issuance date.</p> <p>Permit fees are associated with <u>issuance</u> of this Discharge Permit. No person shall construe anything in this Discharge Permit as relieving the Permittee of the obligation to pay all permit fees assessed by NMED. A Permittee that ceases discharging or does not commence discharging from the Facility during the term of the Discharge Permit shall pay all permit fees assessed by NMED. NMED shall suspend or terminate an approved Discharge Permit if the Permittee fails to remit an installment payment by its due date.</p>

#	Terms and Conditions
	[Subsection F of 20.6.2.3114 NMAC, NMSA 1978, § 74-6-5.K]

draft



New Mexico Environment Department Ground Water Quality Bureau Discharge Permit Summary

Facility Information

Facility Name	City of Las Cruces – East Mesa Water Reclamation Facility
Discharge Permit Number	DP-1536
Legally Responsible Party	City of Las Cruces Utilities Adrienne Widmer, Utilities Director P.O. Box 20000 Las Cruces, NM 88004-9002 (575) 528-3511

Treatment, Disposal, and Site Information

Primary Waste Type	Domestic/Industrial
Facility Type	Municipal

Treatment Methods

Type	Designation	Description & Comments
Water Reclamation Facility	City of Las Cruces – East Mesa Water Reclamation Facility (WRF)	Treatment system consisting of drum screen, Aero-Mod process, which includes an in-basin clarifier, followed by cloth disk filters. Sludge is aerobically digested and hauled off-site for processing and composting.
Disinfection Unit	UV Disinfection System	UV Lamp Modules, to be replaced during the term of this Discharge Permit.

Discharge Locations

Type	Designation	Description & Comments
Above Ground Storage Tank	Reclaimed Domestic Wastewater Storage Tank	A two-million-gallon capacity above-ground storage tank for reclaimed domestic wastewater.
EPA NPDES Permit	NPDES Permit No. NM0030872	Treated and disinfected wastewater is discharged to the South Fork of the Las Cruces Arroyo at Outfall 001.
Reuse Area	Veterans Park	Up to 9 acres of spray-irrigated grass and landscaping.
Reuse Area	Sage Crest Park	Up to 2.1 acres of spray-irrigated grass and landscaping.
Reuse Area	Las Cruces Dam Restoration Project	Up to 1.5 acres of spray-irrigated grass and landscaping.
Reuse Area	East Mesa Recreation Complex	Up to approximately 65 acres of sprinkler-irrigated grasses and landscaping.
Temporary Uses	Standpipe	Class 1A reclaimed domestic wastewater, not to exceed 10 mg/L, is transferred to a standpipe located at the closed Foothills Landfill for construction projects, dust control, hand irrigation of the City of Las Cruces property, and compost mixing.
Reuse End User	Separately permitted facilities	Reclaimed domestic wastewater is transferred to other entities authorized by NMED under separate Discharge Permits.



New Mexico Environment Department Ground Water Quality Bureau Discharge Permit Summary

Flow Metering Locations

Type	Designation	Description & Comments
Totalizing Flow Meter	WRF Influent MagMeter	Totalizing Flow Meter located prior to the drum screens.
Primary Measurement Device	WRF Effluent	Primary Measurement Device located after the UV disinfection unit and prior to the Reclaimed Domestic Wastewater Storage Tank.
Totalizing Flow Meter	Veterans Park	Totalizing Flow Meter on the transfer line between the Reclaimed Domestic Wastewater Storage Tank and Veterans Park.
Totalizing Flow Meter	Sage Crest Park	Totalizing Flow Meter on the transfer line between the Reclaimed Domestic Wastewater Storage Tank and Sage Crest Park.
Totalizing Flow Meter	East Mesa Recreation Complex	Totalizing Flow Meter to be installed on the transfer line between the Reclaimed Domestic Wastewater Storage Tank and the East Mesa Recreation Complex.
Totalizing Flow Meter	Las Cruces Dam Restoration Project	Totalizing Flow Meter on the transfer line between the Reclaimed Domestic Wastewater Storage Tank and the Las Cruces Dam Restoration Project.
Totalizing Flow Meter	Sonoma Ranch Golf Course	Totalizing Flow Meter on the transfer line between the Reclaimed Domestic Wastewater Storage Tank and Sonoma Ranch Golf Course as authorized by DP-1735.
Totalizing Flow Meter	Centennial High School	Totalizing Flow Meter on the transfer line between the Reclaimed Domestic Wastewater Storage Tank and Centennial High School as authorized by DP-1819.
Totalizing Flow Meter	Temporary Uses	Totalizing Flow Meter on the transfer line between the Reclaimed Domestic Wastewater Storage Tank and the standpipe.

Depth-to-Ground Water 318 to 424 feet
Total Dissolved Solids (TDS) 237 to 1,250 mg/L

Permit Information

Original Permit Issued October 8, 2008
Permit Renewal May 8, 2014
Permit Renewal December 6, 2019

<p>Current Action</p> <ul style="list-style-type: none"> Application Received Public Notice Published Permit Issued (Issuance Date) Permitted Discharge Volume 	<p>Renewal and Modification</p> <ul style="list-style-type: none"> July 17, 2024 [not yet published] [issuance date] 1,400,000 gallons per day
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New Mexico Environment Department Ground Water Quality Bureau Discharge Permit Summary

NMED Contact Information

Mailing Address

Ground Water Quality Bureau
P.O. Box 5469
Santa Fe, New Mexico 87502-5469

GWQB Telephone Number

(505) 827-2900

NMED Lead Staff

Kambray Townsend

Lead Staff Telephone Number

(505) 538-0497

Lead Staff Email

kambray.townsend@env.nm.gov or pps.general@env.nm.gov

draft

Fertilizer Log

New Mexico Environment Department Ground Water Quality Bureau



DATE:

MONITORING REPORT DUE DATE:

FACILITY NAME:

REPORTING PERIOD (i.e., from ___ to ___):

DP#:

FIELD:¹

ACRES IN FIELD:

DAY, MONTH & YEAR OF APPLICATION ²	A TYPE organic = O inorganic = I	B FORM granular = G liquid = L	C NITROGEN CONCENTRATION %	D FERTILIZER: TOTAL AMOUNT APPLIED lbs	E NITROGEN: TOTAL AMOUNT APPLIED lbs/acre (C X D) / # acres	NOTES ³
DD - MM - YY	I	G	10	200	5 (field size 4 acres)	
TOTALS						

¹One Fertilizer Log form should be used for each field.
²Each form must reflect the *most recent* 12 months of fertilizer application.
³In the event application did not occur, please report "no application" in the NOTES column.