CERTIFIED MAIL – RETURN RECEIPT REQUESTED

September 29, 2026

Wendy Austin, City Administrator
City of Carlsbad
P.O. Box 1569
Carlsbad, New Mexico 88221-1569

RE: Draft Discharge Permit Renewal, DP-1274, City of Carlsbad Wastewater Treatment Facility

Dear Wendy Austin:

The New Mexico Environment Department (NMED) hereby provides notice to you of the proposed approval of Ground Water Discharge Permit Renewal, DP-1274, (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 a request for 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 Deborah.carpenter@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) 531-7430.

Sincerely,

Deborah Carpenter, Sr. Water Professional

Encl: Draft Discharge Permit Renewal and Modification, DP-1274

cc: Michael Abell, City of Carlsbad Utility Director
Mike Kesler, EHB, District 3 Manager
Matt Warner, City of Carlsbad WWTF Supervisor

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: [DATE]
GROUND WATER QUALITY BUREAU
DISCHARGE PERMIT
Issued under 20.6.2 NMAC

Facility Name:	City Of Carlsbad Wastewater Treatment Facility
Discharge Permit Number:	DP-1274
Facility Location:	45 Tell Tale Lane Carlsbad, New Mexico
County:	Eddy
Permittee:	City of Carlsbad Wendy Austin, City Administrator
Mailing Address:	P.O. Box 1569 Carlsbad, New Mexico 88221-1569
Facility Contact:	Matthew Warner
Telephone Number/Email:	(575) 200-9914 / mewarner@cityofcarlsbadnm.com
Permitting Action:	Renewal
Permit Issuance Date:	[DATE]
Permit Expiration Date:	[DATE]
NMED Contact:	Deborah Carpenter
Telephone Number/Email:	505-531-7430 / Deborah.carpenter@env.nm.gov or 505-827-2900 / pps.general@env.nm.gov

Justin D. Ball
Chief, Ground Water Quality Bureau
New Mexico Environment Department

draft

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Discharge Permit Summary
Groundwater Discharge Permit Guidance for Synthetically Lined Lagoons – Liner Material and Site Preparation, Revision 0.0, May 2007
Land Application Data Sheet (LADS - https://www.env.nm.gov/forms/
Fertilizer Log

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I. INTRODUCTION

The New Mexico Environment Department (NMED) issues this groundwater discharge permit renewal (Discharge Permit or DP-1274) to the City of Carlsbad (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 City of Carlsbad Wastewater Treatment Facility (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 up to 2.5 million gallons per day (MGD) of domestic wastewater. Reclaimed domestic wastewater (reuse) is stored in two synthetically lined impoundments and then discharges to 563 acres of City property for irrigation or is stored in an above-ground storage tank and then transfers to other entities authorized to receive reuse water. Treated wastewater also discharges to the Pecos River under National Pollutant Discharge Elimination System (NPDES) Permit Number 0026395.

The Facility stores a byproduct of the treatment process in the form of sewage sludge which is dried/stored prior to incorporation into compost.

Discharge Permit Location Information:

Physical Address	45 Tell Tale Lane
Nearest Town/City	Carlsbad
Section, Township, Range	Section 10, Township 22 South, Range 27 East
County	Eddy
Depth to Groundwater	8-85 feet below ground surface
Pre-Discharge TDS	900 mg/L

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Discharge Permit Issuance History:

Original Permit Issuance	January 28, 2000
Permit Renewal and Modification	June 27, 2005
Permit Renewal	January 11, 2014
Permit Modification	September 23, 2016
Permit Renewal	July 12, 2019

The application (i.e., discharge plan) associated with this Discharge Permit consists of the materials submitted by the Permittee dated June 2, 2025, 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

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Abbreviation	Explanation		Abbreviation	Explanation
mL	milliliters		WQA	New Mexico Water Quality Act
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 discharge up to 2.5 million gallons per day (MGD) of reclaimed domestic wastewater. This Discharge Permit authorizes the Permittee to discharge Class 1B reclaimed domestic wastewater by drip and/or spray irrigation to the following:

- 186 acres of landscaping at the WWTF;
- Two synthetically lined reuse storage impoundments at the Municipal Golf Course prior to discharging to the following areas:
    - 127.2 acres of landscaping at the Municipal Golf Course;
    - 24.5 acres of landscaping at the Municipal Par 3 Golf Course;
    - 103.0 acres of landscaping at Riverview Park;

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- 5.0 acres of landscaping at Spring-Carter Park;
- 3.6 acres of landscaping at Heritage Park;
- 1.5 acres of landscaping at Lake Carlsbad Recreation Area;
- 34 acres of landscaping at Lake Carlsbad area;
- 4.0 acres of landscaping at the Sports Complex;
- 4.7 acres of landscaping at the Bataan Recreation Area;
- 41.2 acres of landscaping at the Bataan Recreation Area South;
- 5.0 acres of landscaping at the Bataan Recreation Area East;
- 8.0 acres of landscaping at Dr. M.L. King Jr. Memorial Park;
- 3.0 acres of landscaping at the Cruz Fernandez Park;
- 73 acres of landscaping at the Carlsbad Municipal Cemetery;
- 7.3 acres of landscaping at the Plaza de San Jose Park; and
- 24.5 acres of landscaping at the Pecos River Recreation Area.

This Discharge Permit authorizes the Permittee to transfer reuse water to other entities authorized by NMED under separate Discharge Permits, to other City-owned reuse areas authorized by NMED, for temporary uses that NMED has determined do not require a Discharge Permit, and to Select Energy for use by oil and gas extraction operations subject to regulatory oversight by the Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department.

The Discharge Permit authorizes the Permittee to dry/store sewage sludge prior to compost incorporation under NMED Resource Recovery Bureau Composting Facility Certificate No. 0408184C.

[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]

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#	Terms and Conditions
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 this Facility, the Permittee shall submit the draft PER to NMED for review for Discharge Permit compliance determination and comment. If the PER includes construction plans and specifications for the proposed treatment or disposal system, the Permittee shall submit construction plans and specifications at 50% and 95%, 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]
4.	Prior to discharging reclaimed domestic wastewater to an authorized City-owned reuse area for the first time, the Permittee shall install the infrastructure necessary to transfer, distribute 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. [Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]
5.	Within 60 days following the issuance date of this Discharge Permit (**by DATE**), the Permittee shall submit documentation confirming the existence of the infrastructure necessary to transfer, distribute and apply reclaimed domestic wastewater to reuse areas in current use. Documentation of the distribution system installation shall consist of a narrative statement including the system type and location, and the method of backflow prevention employed (if applicable). [Subsection C of 20.6.2.3106 NMAC, Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]

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#	Terms and Conditions
6.	Within 30 days following the issuance date of this Discharge Permit (**by DATE**), and prior to discharging to an authorized City-owned reuse area for the first time, 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. 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. [Subsections B and C of 20.6.2.3109 NMAC, NMSA 1978, § 74-6-5.D]

Operating Conditions

#	Terms and Conditions
7.	The Permittee shall ensure that Class 1B reclaimed domestic wastewater discharged from following UV disinfection does not exceed the following discharge limits. [Subsections B and C of 20.6.2.3109 NMAC, NMSA 1978, § 74-6-5.D]
8.	The Permittee shall apply reclaimed domestic wastewater evenly throughout the entire reuse area such that the amount of total nitrogen applied does not exceed 200 pounds per acre in any rolling 12-month period. The Permittee shall not adjust nitrogen content to account for volatilization or mineralization processes. The Permittee shall prevent excessive ponding from occurring due to the discharge. [Subsection C of 20.6.2.3109 NMAC]

Test	30-day Average	Maximum
Total Nitrogen	**N/A**	**10 mg/L**
E. coli bacteria	**63 CFU or MPN/100 mL**	**126 CFU or MPN/100 mL**
BOD_5	**30 mg/L**	**45 mg/L**
TSS	**30 mg/L**	**45 mg/L**
TRC or UV Transmissivity	**Monitor Only**	**Monitor Only**

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#	Terms and Conditions
9.	The Permittee shall ensure adherence to the following general requirements for above-ground use of reclaimed domestic wastewater. 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) Water supply wells within 200 feet of a reuse area shall have adequate wellhead construction pursuant to 19.27.4 NMAC. f) 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. g) Valves, outlets, and sprinkler heads used in reclaimed wastewater systems shall be accessible only to authorized personnel. 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. [Subsections B and C of 20.6.2.3109 NMAC, NMSA 1–78, § 74-6–5.D]

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#	Terms and Conditions
10.	The Permittee shall meet the following setbacks, access restrictions and equipment requirements for spray irrigation using Class 1B reclaimed domestic wastewater. a) Maintain a minimum 100-foot 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 drift of reclaimed wastewater outside the reuse area. c) Apply reclaimed domestic wastewater at times and in a manner that minimizes public contact. d) Limit spray irrigation system to low trajectory spray nozzles. e) Use is not approved for growth or manufacturing of crops or consumable products. [Subsections B and C of 20.6.2.3109 NMAC, NMSA 1–78, § 74–5.D]
11.	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. 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. 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. [Subsection C of 20.6.2.3109 NMAC]
12.	The Permittee shall maintain signs indicating that the wastewater at the Facility is not potable. The Permittee shall post signs at the Facility entrance and other areas where there is potential for public contact with wastewater. The Permittee shall print signs in

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#	Terms and Conditions
	English and Spanish and shall ensure the signs remain visible and legible for the term of this Discharge Permit. [Subsections B and C of 20.6.2.3109 NMAC, NMSA 1978, § 74-6-5.D]
13.	The Permittee shall maintain the impoundment liners to avoid conditions that could affect the liner or the structural integrity of the impoundments. Characterization of such conditions may include the following: • erosion damage; • animal burrows or other damage; • the presence of vegetation including aquatic plants, weeds, woody shrubs or trees growing within five feet of the top inside edge of a sub-grade impoundment, within five feet of the toe of the outside berm of an above-grade impoundment, or within the impoundment itself; • the presence of large debris or large quantities of debris in the impoundment; • evidence of seepage; or • evidence of berm subsidence. The Permittee shall routinely control vegetation growing around the impoundments by mechanical removal that is protective of the impoundment liner. The Permittee shall visually inspect the impoundments and surrounding berms on a monthly basis to ensure proper maintenance. In the event that an inspection reveals any evidence of damage that threatens the structural integrity of an impoundment berm or liner, or that may result in an unauthorized discharge, the Permittee shall implement the Contingency Plan set forth in this Discharge Permit. The Permittee shall create and maintain a log of all impoundment inspections which describes the date of the inspection, any findings and repairs and the name of the person responsible for the inspection. The Permittee shall make the log available to NMED upon request. [Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]
14.	The Permittee shall preserve a minimum of two feet of freeboard, i.e., the distance between the highest calculated liquid level in the impoundments and the liquid level which would result in the release of stored liquid from the impoundments. In the event that the Permittee determines that it cannot preserve two feet of freeboard in the impoundment, the Permittee shall implement the Contingency Plan set forth in this Discharge Permit.

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#	Terms and Conditions
	[Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]
15.	The Permittee shall maintain the sludge drying beds to avoid conditions that could affect the structural integrity. Characterization of such conditions may include the following; • erosion damage; • animal burrows or other damage; • the presence of vegetation including weeds, woody shrubs or trees growing in or around the drying beds; • the presence of large debris or large quantities of debris in or around the sludge drying beds; • evidence of seepage; • cracking and faults in or around the sludge drying beds. The Permittee shall not exceed the physical or design capacity for each of the sludge drying beds. The permittee shall control vegetation growing around the sludge drying beds by mechanical removal that is protective of the sludge drying beds. The Permittee shall visually inspect the sludge drying beds on a monthly basis to ensure proper maintenance. In the event that inspection reveals any evidence of damage that threatens the structural integrity of the sludge drying beds, or that may result in an unauthorized discharge, the Permittee shall implement the Contingency Plan set forth in this Discharge Permit. The Permittee shall create and maintain a log of all sludge drying bed inspections which describes the date of the inspection, any findings and repairs and the name of the person responsible for the inspection. The Permittee shall provide the log to NMED upon request. [Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]
16.	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 accepted process control methods. The Permittee 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 inspect and clean the lift station as needed to prevent pump failure.

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#	Terms and Conditions
	The Permittee shall maintain a record of lift station inspections, repairs, and cleanings. The Permittee shall make the record available to NMED upon request. [Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]
18.	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
19.	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]
20.	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
21.	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: • January 1st through March 31st – **due by May 1st;** • April 1st through June 30th – **due by August 1st;**

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#	Terms and Conditions
	• July 1st through September 30th – **due by November 1st; and** • October 1st through December 31st – **due by February 1st.** [Subsection A of 20.6.2.3107 NMAC]

Monitoring Actions with Implementation Deadlines

#	Terms and Conditions
22.	The Permittee shall sample reclaimed domestic wastewater for the presence of perfluorinated chemicals (PFCs). Within 180 days following the issuance date of this Discharge Permit (**by DATE**), the Permittee shall collect a single grab sample following UV disinfection. The Permittee shall analyze the sample for the following PFCs: • perfluorohexane sulfonic acid (PFHxS) (CAS 355-46-4) • perfluorooctane sulfonate (PFOS) (CAS 1763-23-1) • perfluorooctanoic acid (PFOA) (CAS 335-67-1) The Permittee shall properly collect, prepare, preserve, transport, and analyze the sample in accordance with EPA 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 *NMED Risk Assessment Guidance for Site Assessments and Investigations*, 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. [Subsection H of 20.6.2.3109 NMAC, Subsection A of 20.6.2.3107 NMAC]

Facility Monitoring Conditions

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#	Terms and Conditions
23.	The Permittee shall measure the monthly volume of reclaimed domestic wastewater discharged from the two synthetically lined reuse storage impoundments at the Municipal Golf Course to each reuse area. To determine the discharge volume, the Permittee shall maintain a log that records the daily discharges that occur to each location using a totalizing flow meter located on the reclaimed wastewater transfer lines to each reuse area. The Permittee shall use the log to calculate the monthly and average daily discharge volume. The Permittee shall use the calculated monthly volume discharged on the LADS (copy enclosed) to calculate nitrogen loading. The Permittee shall submit a copy of the log that includes the calendar monthly meter readings, calculated monthly discharge volumes, and average daily discharge volumes to NMED in the quarterly monitoring reports. [Subsection A of 20.6.2.3107 NMAC, Subsections C and H of 20.6.2.3109 NMAC]
24.	The Permittee shall measure the total monthly volume, calculate the daily average volume, and record the daily peak volume of wastewater received by the treatment facility each month using a totalizing flow meter located at the headworks. The Permittee shall submit the totalized, average daily, and peak daily influent volumes for each calendar month to NMED in the quarterly monitoring reports. [Subsection A of 20.6.2.3107 NMAC, Subsections C and H of 20.6.2.3109 NMAC]
25.	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, once per annum. The Permittee shall also perform field calibrations upon repair or replacement of a flow measurement device. 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. a) The location and meter identification. b) The method of flow meter field calibration employed.

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#	Terms and Conditions
	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. The Permittee shall maintain records of flow meter calibration(s) at a location accessible for review by NMED during Facility inspections. [Subsection A of 20.6.2.3107 NMAC, Subsections C and H of 20.6.2.3109 NMAC]
26.	The Permittee shall visually inspect flow meters once per month 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. 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 discovery. For *repaired* 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 *replacement* 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. [Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]
27.	The Permittee shall collect samples of reclaimed domestic wastewater following UV disinfection on a monthly basis and analyze the samples for: • TKN; • NO_3-N; • TDS; and • Cl. The Permittee shall ensure the samples are properly prepared, preserved, transported, and analyzed in accordance with the methods authorized in this Discharge Permit. The

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	Permittee shall submit the laboratory analytical data results, including the QA/QC summary and Chain of Custody, to NMED in the subsequent quarterly monitoring report. [Subsection A of 20.6.2.3107 NMAC, Subsections C and H of 20.6.2.3109 NMAC]
28.	During any week that the discharge of reclaimed domestic wastewater occurs, the Permittee shall perform the following analyses on the wastewater samples collected following UV disinfection using the following sampling method and frequency: • Fecal coliform or E. coli bacteria: grab sample at peak daily flow three times per week; • BOD_5: six-hour composite sample three times per week; • TSS: six-hour composite sample three times per week; and • UV transmissivity values or TRC concentrations: record whenever collecting bacteria samples. 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, and a copy of the log of UV transmissivity values or TRC concentrations to NMED in the subsequent quarterly monitoring report. [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]
29.	On an annual basis, the Permittee shall collect a 24-hour flow weighted composite sample (except as noted for pH) of reclaimed domestic wastewater following UV disinfection and analyze the sample for the following inorganic contaminants (dissolved fraction, except as noted): • 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) • 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)

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	• iron (CAS 7439-89-6) • lead (CAS 7439-92-1) • manganese (CAS 7439-96-5) • uranium (CAS 7440-61-1) • zinc (CAS 7440-66-6) 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. 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. [Subsection A of 20.6.2.3107 NMAC, Subsections C and H of 20.6.2.3109 NMAC]
30.	On an annual basis, the Permittee shall collect a grab sample of reclaimed domestic wastewater following UV disinfection and analyze the non-filtered sample for the following organic contaminants: • 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) • ethylene dibromide (EDB, CAS 106-93-4) • methylene chloride (CAS 75-09-2) • PAHs: total naphthalene (CAS 91-20-3) plus monomethylnaphthalenes • phenols • polychlorinated biphenyls (PCBs, CAS 1336-36-3) • pentachlorophenol (CAS 87-86-5) • toluene (CAS 108-88-3) • 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)

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	• trans-1,2-dichloroethene (CAS 156-60-5) • 1,2-dichloropropane (PDC, CAS 78-87-5) • 1,4-dioxane (CAS 123-91-1) (using EPA Method 8270D-SIM) • ethylbenzene (CAS 100-41-4) • 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) 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. The reporting limit for 1,4-dioxane shall be less than the Tap Water Screening Level for 1,4-dioxane identified in the *NMED Risk Assessment Guidance for Site Assessments and Investigations*, Table A-1 (available on the NMED Hazardous Waste Bureau's website under Guidance Documents). If the results of two consecutive sampling events indicate no detection of 1,4-dioxane above the reporting limit, the Permittee may request to reduce the sampling frequency. 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. [Subsection A of 20.6.2.3107 NMAC, Subsections C and H of 20.6.2.3109 NMAC]
31.	On an annual basis, the Permittee shall collect a grab sample of untreated wastewater from the inlet of the treatment facility (prior to any treatment) and analyze the sample for fats, oils, and grease (FOG). The Permittee shall ensure the sample is 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, QA/QC summary, and the Chain of Custody to NMED in the monitoring reports due by August 1st each year. [Subsection A of 20.6.2.3107 NMAC, Subsections C and H of 20.6.2.3109 NMAC]

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32.	The Permittee shall complete LADS (copy enclosed) once per month documenting the amount of nitrogen applied to each reuse area during the most recent 12 months. The LADS shall reflect the total nitrogen concentration from the most recent wastewater analysis and the measured discharge volumes to each reuse location, for each month. The Permittee shall complete the LADS with the information above or include a statement that application of wastewater did not occur. The Permittee shall submit the LADS to NMED in the subsequent quarterly monitoring report. [Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]
33.	The Permittee shall keep a Fertilizer Log (copy enclosed) of all additional nitrogenous fertilizer applied to each location within the 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. [Subsection A of 20.6.2.3107 NMAC]
34.	The Permittee shall submit a copy of the Biosolids Annual Report (i.e., BARs) required pursuant to 40 CFR 503, for the previous calendar year, to NMED annually in the monitoring report due by August 1st each year. [Subsection A of 20.6.2.3107 NMAC]

C. CONTINGENCY PLAN

#	Terms and Conditions
35.	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. 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.

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	[20.6.2.3103 NMAC, Subsection A of 20.6.2.3107 NMAC, Subsection E of 20.6.2.3109 NMAC]
36.	In the event that the Facility exceeds the authorized discharge volume set in this Discharge Permit, the Permittee shall initiate the following Contingency Plan. <u>Contingency Plan</u> a) Notify NMED within seven days of the discovery of the discharge volume exceedance that the Facility exceeded the authorized discharge volume. 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 meters 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. 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. [Subsection A of 20.6.2.3107 NMAC]
37.	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. a) Within 7 days of the second sample analysis date indicating exceedance of the discharge limit, the Permittee shall: 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. b) The Permittee shall increase the frequency of total nitrogen wastewater sampling and analysis of treated wastewater to once per month. c) The Permittee shall examine the operation and maintenance log, required by the Record Keeping conditions of this Discharge Permit, for improper operational procedures.

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	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 correction. e) In the event that any analytical results from monthly 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 following approval by NMED. When analytical results from three consecutive months of wastewater sampling do not exceed the discharge limit, the Permittee may request NMED authorize a return to a quarterly monitoring frequency. [Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]
38.	In the event that analytical results of a reclaimed domestic wastewater sample exceed any of the maximum discharge limits for BOD_5, TSS, or E. coli bacteria set by this Discharge Permit, 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. In the event that analytical results of a reclaimed domestic wastewater sample exceed any of the 30-day average discharge limits for BOD_5, TSS, E. coli bacteria set by this Discharge Permit (i.e., confirmed exceedance), the Permittee shall implement the Contingency Plan below. <u>Contingency Plan</u> a) Within 24 hours of becoming aware of a confirmed exceedance (as identified above), the Permittee shall: i) notify NMED that the Permittee is implementing the Contingency Plan; and ii) 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 area(s) 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

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	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. 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. 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). NMED may require, prior to recommencing discharge to the reuse area(s), additional sampling of any stored reclaimed domestic wastewater. [Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]
39.	In the event that the LADS (copy enclosed) show that the amount of nitrogen in wastewater applied in any 12-month period exceeds 200 pounds per acre, the Permittee shall propose the reduction of nitrogen loading to the reuse area(s) by submitting a CAP to NMED for approval. The Permittee shall ensure the CAP includes a schedule for completion of corrective actions and submit the CAP within 90 days following the end of the monitoring period in which the exceedance occurred. The Permittee shall implement the CAP following approval by NMED. [Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]
40.	In the event that an inspection reveals significant damage has occurred or is likely to affect the structural integrity of an impoundment or liner or their ability to contain contaminants, the Permittee shall propose the repair or replacement by submitting a

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	CAP to NMED for approval. The Permittee shall submit the CAP to NMED within 30 days after discovery of the damage or following notification from NMED that significant damage is evident. The Permittee shall ensure the CAP includes a schedule for completion of corrective actions. The Permittee shall initiate implementation of the CAP following approval by NMED. [Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]
41.	In the event that an impoundment cannot preserve a minimum of two feet of freeboard, the Permittee shall take actions to restore the required freeboard as authorized by this Discharge Permit and all applicable local, state, and federal regulations. In the event that two feet of freeboard cannot be restored within a period of 72 hours following discovery, the Permittee shall propose actions to restore two feet of freeboard by submitting a short-term CAP to NMED for approval. Examples of short-term corrective actions include the pumping and hauling of excess wastewater from the impoundment or reducing the volume of wastewater discharged to the impoundment. The Permittee shall ensure the CAP includes a schedule for completion of corrective actions. The Permittee shall submit the CAP within 15 days following the date the Permittee or the NMED discover the exceedance. The Permittee shall implement the CAP following NMED approval. In the event that the short-term corrective actions fail to restore two feet of freeboard, the Permittee shall submit to NMED a proposal for permanent corrective actions in a long-term CAP. The Permittee shall submit the long-term CAP within 90 days following failure of the short-term CAP. Examples of corrective actions include the installation of an additional storage impoundment or a significant and permanent reduction in the volume of wastewater discharged to the impoundment. The Permittee shall ensure the long-term CAP includes a schedule for completion of corrective actions. The Permittee shall implement the CAP following NMED approval. [Subsection A of 20.6.2.3107 NMAC]
42.	In the event that an inspection reveals significant damage has occurred or is likely to affect the structural integrity of a sludge drying bed or their ability to contain contaminants, the Permittee shall propose repair or replacement by submitting a CAP to NMED for approval. The Permittee shall submit the CAP to NMED within 30 days after discovery of the damage or following notification from NMED that significant damage is evident. The Permittee shall ensure the CAP includes a schedule for completion of corrective actions. The Permittee shall initiate implementation of the CAP following approval by NMED.

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	[Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]
43.	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. Within 24 hours following discovery of the unauthorized discharge, the Permittee shall verbally notify NMED and provide the following information. 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. Within one week following discovery of the unauthorized discharge, the Permittee shall submit written notification to NMED providing the information listed above and any pertinent updates. Within 15 days following discovery of the unauthorized discharge, the Permittee shall submit a CAP to NMED describing any corrective actions previously taken and corrective actions to be taken relative to the unauthorized discharge. The CAP shall include the following information. 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. 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

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	require the Permittee to abate water pollution pursuant to Sections 20.6.2.4000 through 20.6.2.4115 NMAC. 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. [20.6.2.1203 NMAC]
44.	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. [Subsection A of 20.6.2.3107 NMAC, Subsection E of 20.6.2.3109 NMAC]

D. CLOSURE PLAN

Permanent Facility Closure Conditions

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45.	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. Within 90 days of ceasing to discharge to the Facility, or a component of the Facility, the Permittee shall submit a sludge removal and disposal plan, which includes soil sampling to characterize potential releases, to NMED for approval. The sludge removal and disposal plan shall include the following information. a) The estimated volume and dry weight of sludge planned to be removed and disposed of, including measurements and calculations. b) Laboratory analytical data results for samples of the sludge taken from the components for TKN, NO_3-N, percent total solids, and any other parameters tested (reported in mg/kg, dry weight basis). c) The method(s) of sludge *removal* from the components.

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d) The method(s) of *disposal* for all the sludge (and its contents) removed from the Facility, or component of the Facility. The method(s) shall comply with all local, state and federal regulations, including 40 CFR Part 503. *Note: A proposal that includes the surface disposal of sludge may be subject to Groundwater Discharge Permitting requirements pursuant to 20.6.2.3104 NMAC that are separate from the requirements of this Discharge Permit*.
e) A schedule for completion of sludge removal and disposal not to exceed two years from the date discharge to the Facility or component of the Facility ceased.

The Permittee shall initiate implementation of the plan within 30 days following approval by NMED.

Within 120 days of ceasing discharge to the treatment system, the Permittee shall complete the following closure measures.

a) Plug the line leading to the system so that a discharge can no longer occur.
b) Evaporate wastewater in the system components and storage impoundments or drain and dispose of in accordance with all local, state, and federal regulations, or discharged from the system to the reuse area as authorized by this Discharge Permit. The discharge of accumulated solids (sludge) to the reuse area is prohibited.
c) Contain, transport, and dispose of solids removed from the treatment system in accordance with the approved sludge disposal plan, and 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.

Within 180 days of ceasing to discharge to the treatment system (or unit), the Permittee shall complete the following closure measures.

a) Remove all lines leading to and from the treatment system or permanently plug and abandon them in place.
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.
c) Perforate or remove the storage impoundment liners; fill the impoundments with suitable fill; and re-grade the impoundment sites to blend with surface topography, promote positive drainage and prevent ponding.

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.

[Subsection A of 20.6.2.3107 NMAC, Subsection D of 20.6.2.4103 NMAC, 40 CFR Part 503]

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E. GENERAL TERMS AND CONDITIONS

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46.	RECORD KEEPING - The Permittee shall maintain a written record of the following: • 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; • 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: o the dates, location and times of sampling or field measurements; o the name and job title of the individuals who performed each sample collection or field measurement; o the sample analysis date of each sample; o the name and address of the laboratory, and the name of the signatory authority for the laboratory analysis; o the analytical technique or method used to analyze each sample or collect each field measurement; o the results of each analysis or field measurement, including raw data; o the results of any split, spiked, duplicate or repeat sample; and o a copy of the laboratory analysis chain-of-custody as well as a description of the quality assurance and quality control procedures used.

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	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. [Subsections A and D of 20.6.2.3107 NMAC]
47.	SUBMITTALS – The Permittee shall submit either a paper copy or an electronic copy of all notification and reporting documents required by this Discharge Permit, e.g., monitoring reports. The Permittee shall submit either paper or electronic documents to the NMED Permit Contact identified on the Permit cover page. [Subsection A of 20.6.2.3107 NMAC]
48.	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. 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. 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. [Subsection D of 20.6.2.3107 NMAC, NMSA 1978, §§ 74-6-9.B and 74-6-9.E]
49.	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. [Subsection D of 20.6.2.3107 NMAC]
50.	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

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#	Terms and Conditions
	(which may require modification of this Discharge Permit) prior to implementing such changes. [Subsection C of 20.6.2.3107 NMAC, Subsections E and G of 20.6.2.3109 NMAC]
51.	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. 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. [Subsections A and C of 20.6.2.1202 NMAC, NMSA 1978, §§ 61-23-1 through 61-23-32]
52.	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, 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. [20.6.2.1220 NMAC, NMSA 1978, §§ 74-6-10 and 74-6-10.1]
53.	CRIMINAL PENALTIES – No person shall: • 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

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#	Terms and Conditions
	• Fail to monitor, sample or report as required by a permit issued pursuant to a state or federal law or regulation. 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. [20.6.2.1220 NMAC, NMSA 1978, §§ 74-6-10.2.A through 74-6-10.2.F]
54.	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 federal, state, and/or local laws, regulations, zoning requirements, nuisance ordinances, permits or orders. [NMSA 1978, § 74-6-5.L]
55.	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. [20.6.2.3112 NMAC, NMSA 1978, § 74-6-5.O]
56.	TRANSFER of DISCHARGE PERMIT - Prior to the transfer of any ownership, control, or possession of this Facility or any portion thereof, the Permittee shall: • 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.

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#	Terms and Conditions
	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. [20.6.2.3111 NMAC]
57.	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. Permit fees are associated with issuance 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. [Subsection F of 20.6.2.3114 NMAC, NMSA 1978, § 74-6-5.K]

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New Mexico Environment Department Ground Water Quality Bureau

Discharge Permit Summary

Facility Information

Facility Name City of Carlsbad Wastewater Treatment Plant
Discharge Permit Number DP-1274

Legally Responsible Party

Wendy Austin, City Administrator
City of Carlsbad
P.O. Box 1569
Carlsbad, New Mexico 88221-1569
(575) 887-1191

Treatment, Disposal and Site Information

Primary Waste Type Domestic
Facility Type Municipal

Treatment Methods

Type	Designation	Description & Comments
Wastewater Treatment System	Wastewater Treatment Plant	Activated sludge, fine bubble aeration, and UV disinfection. Sludge undergoes anaerobic digestion prior to composting.

Discharge Locations

Type	Designation	Description & Comments
Tank	Reuse Holding Tank	350,000 gallon above ground concrete tank following UV disinfection.
Tank	Reuse Storage Tank	2,000,000 gallon above ground concrete tank Reuse Storage Tank. Transfers reclaimed wastewater to Lower and Upper Ponds.
Impoundment	Upper Pond	60 mil HDPE lined reuse storage pond at the Municipal Golf Course; approximately 1.2 acres.
Impoundment	Lower Pond	60 mil HDPE lined reuse storage pond at the Municipal Golf Course; approximately 1.5 acres.
Reuse Area	Wastewater Treatment Plant (WWTP)	186 acres of landscaping by drip and/or spray irrigation.
Reuse Area	Municipal Golf Course	127.2 acres of landscaping by drip and/or spray irrigation.
Reuse Area	Municipal Par 3 Golf Course	24.5 acres of landscaping by drip and/or spray irrigation.
Sludge Drying Beds	Sludge Drying Beds 1-5	Five concrete-lined and curbed cells totaling 0.5 acres.

Flow Metering Locations

Type	Designation	Description & Comments
Totalizing Flow Meter	FIT-401	Influent magnetic flow meter at headworks.
Totalizing Flow Meter	FIT-903	Reuse effluent magnetic flow meter between pump station and Golf Course Ponds.

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Totalizing Flow Meter	191331	Reuse effluent magnetic flow meter on Select Energy Services' transfer line.
Totalizing Flow Meter	S16317641	Reuse effluent magnetic flow meter on WWTP Zone 1 transfer line.
Totalizing Flow Meter	WWTP Zone 2 Meter	Reuse effluent magnetic flow meter on WWTP Zone 2 transfer Line.

Depth-to-Ground Water 8-85 feet
Total Dissolved Solids (TDS) 900 mg/L

Permit Information

Original Permit Issued January 28, 2000
Permit Renewal and Modification June 27, 2005
Permit Renewal January 11, 2014
Permit Modification September 23, 2016

Current Action **Permit Renewal**
Application Received June 2, 2025
Public Notice Published [not yet published]
Permit Issued (Issuance Date) [issuance date]
Permitted Discharge Volume 2.5 million gallons per day

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 Deborah Carpenter
Lead Staff Telephone Number (505) 531-7430
Lead Staff Email deborah.carpenter@env.nm.gov or pps.general@env.nm.gov

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New Mexico Environment Department Ground Water Quality Bureau
Discharge Permit Renewal

Summary of Permit Conditions Requiring Action

City of Carlsbad WWTF, DP-1274

Effective Date:

A. ONE-TIME REQUIRED ACTIONS

#	Description of Required Action	Due Date
1.	Provide written notification to NMED stating the Discharge Permit number of the recipient, the date the transfer is to commence, and the location where the transfer to the recipient occurs.	Prior to transferring reclaimed domestic wastewater to a newly authorized re-use area for the first time
2.	Submit documentation confirming the existence of the infrastructure necessary to transfer, distribute, and apply reclaimed domestic wastewater to existing re-use areas.	Within 60 days following the effective date of this Discharge Permit (**by DATE**)
3.	Post signs in English and Spanish at all re-use areas.	Within 30 days following the effective date of this Discharge Permit (**by DATE**), and prior to discharging to an authorized City-owned reuse are for the first time.

Summary of Permit Conditions Requiring Action

B. RECURRING REQUIRED ACTIONS

#	Description of Required Action	Frequency	Reporting Due Dates
4.	Inspect the lift station(s) and clean as needed to prevent pump failure.	semiannual	1st of February, May, August and November
5.	Measure the total monthly volume, calculate the daily average volume and record the daily peak volume of wastewater received by the treatment facility.	Monthly	1st of February, May, August and November
6.	Submit the monthly meter readings and calculated monthly and average daily discharge volumes to each reuse area.	Monthly	1st of February, May, August and November
7.	Verify flow meters for their accuracy under actual working (field) conditions.	Upon repair or replacement of a flow measurement device	Within 90 days of the effective date of this Discharge Permit (by DATE), and then on an annual basis
8.	Visually inspect flow meters for evidence of malfunction.	Monthly	
9.	Collect samples of reclaimed domestic wastewater following UV disinfection and analyze the samples for TKN, NO_3-N, TDS and Cl.	Quarterly	1st of February, May, August and November
25.	Class 1B Analyze reclaimed wastewater collected after the final treatment process for:		
	a. Fecal coliform or E. coli bacteria: grab sample at peak daily flow Submit analytical results.	3 tests/week	1st of February, May, August and November
	b. BOD_5 and TSS: six-hour composite sample Submit analytical results.	3 tests/week	
	c. UV transmissivity: record at peak daily flow. Submit recorded values.	When fecal coliform samples are collected	
26.	Collect a 24-hour flow weighted composite sample (except as noted for pH) of reclaimed domestic wastewater following UV disinfection and analyze the sample for inorganic contaminants (dissolved fraction, except as noted).	Annually	August 1st
27.	Collect a grab sample of reclaimed domestic wastewater following UV disinfection and analyze the non-filtered sample for organic contaminants.	Annually	August 1st

Summary of Permit Conditions Requiring Action

28.	Collect a grab sample of reclaimed domestic wastewater following UV disinfection and analyze the sample for perfluorinated chemicals.	Within 180 days of the effective date of this Discharge Permit (by DATE)	Monitoring report due by August 1st
29.	Collect a grab sample of untreated wastewater from the inlet of the treatment facility (prior to any treatment) and analyze the sample for fats, oils and grease (FOG).	Annually	August 1st
30.	Collect a grab sample of reclaimed domestic wastewater from [sampling location] and analyze the sample for perfluorinated chemicals.	Within 180 days of the effective date of this Discharge Permit (by DATE)	Monitoring report due by DATE, year.
31.	Complete LADS that document the amount of nitrogen applied to each re-use area during the most recent 12 months or include a statement that application of wastewater did not occur.	Monthly	1st of February, May, August and November
32.	Keep a log of all additional nitrogenous fertilizer applied to *each* location within the re-use area or a statement that application of fertilizer did not occur.		1st of February, May, August and November
33.	Records of solids disposal, including a copy of all Discharge Monitoring Reports (i.e., DMRs) required to be submitted to the EPA pursuant to 40 CFR 503 for the previous calendar year.		August 1st

NOTE: This document is intended as a reminder only. See Discharge Permit for full requirement details.

Submit reports electronically to:

NMED Ground Water Quality Bureau
pps.general@env.nm.gov OR Deborah.carpenter@env.nm.gov