



**CERTIFIED MAIL – RETURN RECEIPT REQUESTED**

February 2, 2026

Jennifer Baca, Engineering Associate  
Los Alamos County Department of Public Utilities  
1000 Central Avenue, Suite 130  
Los Alamos, New Mexico 87544

**RE: Draft Discharge Permit Renewal, DP-907, White Rock Water Resources Recovery Facilities**

Dear Jennifer Baca:

The New Mexico Environment Department (NMED) hereby provides notice to the Los Alamos County Department of Public Utilities of the proposed approval of Ground Water Discharge Permit Renewal, DP-907, (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 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 [haylea.nisbet@env.nm.gov](mailto:haylea.nisbet@env.nm.gov) or to [pps.general@env.nm.gov](mailto: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) 795-2831.

Sincerely,

Haylea Nisbet, Acting Large Systems Domestic Waste Team Leader

Jennifer Baca  
February 2, 2026  
Page 2 of 2

Encl: Draft Discharge Permit Renewal, DP-907

cc: Joshua Silva, Superintendent, [joshua.silva@losalamosnm.gov](mailto:joshua.silva@losalamosnm.gov)  
James Martinez, Senior Engineer, [james.martinez@losalamosnm.gov](mailto:james.martinez@losalamosnm.gov)  
Philo Shelton, Utilities Manager, [philo.shelton@losalamosnm.gov](mailto:philo.shelton@losalamosnm.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](http://www.env.nm.gov)



***Draft: February 2, 2026***

**GROUND WATER QUALITY BUREAU**  
**DISCHARGE PERMIT**  
**Issued under 20.6.2 NMAC**

**Facility Name:** White Rock Water Resources Recovery Facilities  
**Discharge Permit Number:** DP-907  
**Facility Location:** 600 Overlook Road  
White Rock, New Mexico

**County:** Los Alamos

**Permittee:** Los Alamos County Department of Public Utilities

**Mailing Address:** 1000 Central Avenue, Suite 130  
Los Alamos, New Mexico 87544

**Facility Contact:** Jennifer Baca, Engineering Associate  
**Telephone Number/Email:** 505-662-8133 / [jennifer.baca@lacnm.us](mailto:jennifer.baca@lacnm.us)

**Permitting Action:** Renewal  
**Permit Issuance Date:** DATE  
**Permit Expiration Date:** DATE

**NMED Permit Contact:** Haylea Nisbet  
**Telephone Number/Email:** 505-795-2831 / [haylea.nisbet@env.nm.gov](mailto:haylea.nisbet@env.nm.gov) or  
505-827-2900 / [pps.general@env.nm.gov](mailto:pps.general@env.nm.gov)

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

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**ATTACHMENTS**

- Discharge Permit Summary
- Groundwater Discharge Permit Guidance for Synthetically Lined Lagoons – Liner Material and Site Preparation, Revision 0.0, May 2007
- Fertilizer Log

## I. INTRODUCTION

The New Mexico Environment Department (NMED) issues this groundwater discharge permit Renewal (Discharge Permit or DP-907) to the Los Alamos County Department of Public 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 White Rock Water Resources Recovery Facilities (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 500,000 gallons per day (gpd) of domestic wastewater. Treated wastewater (reclaimed domestic wastewater) is stored in a synthetically lined impoundment and then discharges via spray irrigation to 4.72 acres of landscaping at the Facility and/or discharges to 23.23 acres of Los Alamos County owned property at Overlook Park including athletic fields, amphitheater grounds, and grasslands for reuse. Treated wastewater not used for reuse discharges at Outfall 001 to Canada del Buey under an EPA National Pollutant Discharge Elimination System (NPDES).

### Discharge Permit Location Information:

Physical Address	600 Overlook Road
Nearest Town/City	White Rock
Section, Township, Range	Section 03, Township 18 North, Range 07 East and Sections 03 and 04, Township 18 North, Range 07 East
County	Los Alamos
Depth to Groundwater	563 feet below ground surface
Pre-Discharge TDS	133 mg/L

### Discharge Permit Issuance History:

Original Permit Issuance	February 5, 1993
Permit Renewal	May 12, 1999
Permit Renewal	February 3, 2005

Permit Renewal	April 8, 2010
Permit Renewal	May 20, 2015
Permit Renewal and Modification	February 24, 2021

The application (i.e., discharge plan) associated with this Discharge Permit consists of the materials submitted by the Permittee dated September 9, 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 <sub>5</sub>	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 <sub>3</sub> -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 <sub>3</sub> -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 up to 500,000 gpd of domestic wastewater using a WWTF. This Discharge Permit authorizes the Permittee to store reclaimed domestic wastewater in an on-site synthetically lined impoundment and then discharge Class 1A reclaimed domestic wastewater to the following:

- 4.72 acres of landscaping at the Facility for reuse;
- 23.23 acres of Los Alamos County owned property at Overlook Park for reuse;
- other entities authorized by NMED under separate Discharge Permits; and
- temporary uses that NMED has determined do not require a Discharge Permit.

[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.	Prior to transferring reclaimed domestic wastewater to a newly authorized reuse end user for the first time, the Permittee shall provide written notification to NMED stating the Discharge Permit number of the newly authorized end user, the date the transfer is to commence, and the location where the transfer to the recipient is to occur.  [Subsection H of 20.6.2.3109 NMAC]
4.	Prior to dispensing reclaimed domestic wastewater from the standpipe, the Permittee shall provide written notification of the date the discharge is to commence to NMED.  [Subsection A of 20.6.2.3107 NMAC]
5.	Within 30 days following the issuance date of this Discharge Permit ( <b>by DATE</b> ), the Permittee shall post signs in English and Spanish at the Overlook Park reuse area. The Permittee shall post signs at the entrance to the reuse areas and at other locations where public exposure to reclaimed domestic wastewater may occur. The signs shall state: <b>NOTICE: THIS AREA IS IRRIGATED WITH RECLAIMED WASTEWATER - DO NOT DRINK. AVISO: ESTA ÁREA ESTÁ REGADA CON AGUAS NEGRAS RECOBRADAS - NO TOMAR.</b> The Permittee may submit alternate wording and/or graphics to NMED for approval.

#	Terms and Conditions
	<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																		
6.	<p>The Permittee shall ensure that Class 1A reclaimed domestic wastewater discharged from the reuse storage impoundment to the reuse areas does not exceed the following discharge limits.</p> <table border="1" data-bbox="414 863 1305 1167"> <thead> <tr> <th data-bbox="414 863 711 905">Test</th> <th data-bbox="711 863 1008 905">30-day Average</th> <th data-bbox="1008 863 1305 905">Maximum</th> </tr> </thead> <tbody> <tr> <td data-bbox="414 905 711 953">Total Nitrogen</td> <td data-bbox="711 905 1008 953">N/A</td> <td data-bbox="1008 905 1305 953">10 mg/L</td> </tr> <tr> <td data-bbox="414 953 711 1001">E. coli bacteria</td> <td data-bbox="711 953 1008 1001">3 CFU/100 mL</td> <td data-bbox="1008 953 1305 1001">15 CFU/100 mL</td> </tr> <tr> <td data-bbox="414 1001 711 1050">BOD<sub>5</sub></td> <td data-bbox="711 1001 1008 1050">10 mg/L</td> <td data-bbox="1008 1001 1305 1050">15 mg/L</td> </tr> <tr> <td data-bbox="414 1050 711 1098">Turbidity</td> <td data-bbox="711 1050 1008 1098">3 NTU</td> <td data-bbox="1008 1050 1305 1098">5 NTU</td> </tr> <tr> <td data-bbox="414 1098 711 1167">TRC or UV Transmissivity</td> <td data-bbox="711 1098 1008 1167">Monitor Only</td> <td data-bbox="1008 1098 1305 1167">Monitor Only</td> </tr> </tbody> </table> <p>[Subsections B and C of 20.6.2.3109 NMAC, NMSA 1978, § 74-6-5.D]</p>	Test	30-day Average	Maximum	Total Nitrogen	N/A	10 mg/L	E. coli bacteria	3 CFU/100 mL	15 CFU/100 mL	BOD <sub>5</sub>	10 mg/L	15 mg/L	Turbidity	3 NTU	5 NTU	TRC or UV Transmissivity	Monitor Only	Monitor Only
Test	30-day Average	Maximum																	
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TRC or UV Transmissivity	Monitor Only	Monitor Only																	
7.	<p>The Permittee shall ensure adherence to the following general requirements for above-ground use of reclaimed domestic wastewater.</p> <ol style="list-style-type: none"> <li>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 the reuse areas and at other locations where public exposure to reclaimed domestic wastewater may occur. The signs shall state: <b>NOTICE: THIS AREA IS IRRIGATED WITH RECLAIMED WASTEWATER - DO NOT DRINK. AVISO: ESTA ÁREA ESTÁ REGADA CON AGUAS NEGRAS RECOBRADAS - NO TOMAR.</b> The Permittee may submit alternate wording and/or graphics to NMED for approval.</li> <li>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).</li> <li>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</li> </ol>																		

#	Terms and Conditions
	<p>crop. The Permittee shall not discharge reclaimed domestic wastewater at times when the reuse area is saturated or frozen.</p> <p>d) The Permittee shall confine discharge of reclaimed domestic wastewater to the reuse area.</p> <p>e) The Permittee shall not discharge reclaimed domestic wastewater to crops used for human consumption.</p> <p>f) Water supply wells within 200 feet of a reuse area shall have adequate wellhead construction pursuant to 19.27.4 NMAC.</p> <p>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.</p> <p>h) Valves, outlets, and sprinkler heads used in reclaimed wastewater systems shall be accessible only to authorized personnel.</p> <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> <p>[Subsections B and C of 20.6.2.3109 NMAC, NMSA 1–78, § 74-6–5.D]</p>
8.	<p>The Permittee shall meet the following setbacks, access restrictions and equipment requirements for spray irrigation using Class 1A reclaimed domestic wastewater.</p> <p>a) No required setback between any dwellings or occupied establishments and the edge of the reuse area.</p> <p>b) Postpone irrigation using reclaimed domestic wastewater at times when windy conditions may result in drift of reclaimed wastewater outside the reuse area.</p> <p>c) No required access control.</p> <p>d) Limit spray irrigation system to low trajectory spray nozzles.</p> <p>[Subsections B and C of 20.6.2.3109 NMAC, NMSA 1–78, § 74–5.D]</p>
9.	<p>The Permittee shall meet the following requirements for the temporary above-ground use of reclaimed domestic wastewater.</p>

#	Terms and Conditions
	<p>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.</p> <p>b) Notify all recipients of reclaimed domestic wastewater for temporary uses in writing of the following.</p> <ul style="list-style-type: none"><li>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.</li><li>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.</li><li>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.</li><li>iv. The area receiving the discharge must be 300 feet from potable water supply wells.</li><li>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.</li><li>vi. The user shall not apply reclaimed domestic wastewater at times when the receiving area is saturated or frozen.</li></ul> <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>
10.	<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 areas. 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</p>

#	Terms and Conditions
	<p>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>
11.	<p>The Permittee shall maintain fences around the Facility and the reuse storage impoundment to restrict unauthorized 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>
12.	<p>The Permittee shall maintain signs indicating that the wastewater at the Facility is not potable. The Permittee shall post signs at the Facility entrance, the reuse storage impoundment, 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>
13.	<p>The Permittee shall maintain the impoundment liner to avoid conditions that could affect the liner or the structural integrity of the impoundment. Characterization of such conditions may include the following:</p> <ul style="list-style-type: none"> <li>• erosion damage;</li> <li>• animal burrows or other damage;</li> <li>• 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;</li> <li>• the presence of large debris or large quantities of debris in the impoundment;</li> <li>• evidence of seepage; or</li> <li>• evidence of berm subsidence.</li> </ul> <p>The Permittee shall routinely control vegetation growing around the impoundment by mechanical removal that is protective of the impoundment liner.</p>

#	Terms and Conditions
	<p>The Permittee shall visually inspect the impoundment and surrounding berms on a monthly basis to ensure proper maintenance. In the event that 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.</p> <p>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.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]</p>
14.	<p>The Permittee shall preserve a minimum of two feet of freeboard, i.e., the distance between the highest calculated liquid level in the impoundment and the liquid level which would result in the release of stored liquid from the impoundment.</p> <p>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.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]</p>
15.	<p>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;</p> <ul style="list-style-type: none"><li>• erosion damage;</li><li>• animal burrows or other damage;</li><li>• the presence of vegetation including weeds, woody shrubs or trees growing in or around the drying beds;</li><li>• the presence of large debris or large quantities of debris in or around the sludge drying beds;</li><li>• evidence of seepage; and</li><li>• cracking and faults in or around the sludge drying beds.</li></ul> <p>The Permittee shall not exceed the storage capacity of the sludge drying beds.</p> <p>The permittee shall control vegetation growing around the sludge drying beds by mechanical removal that is protective of the sludge drying beds.</p>

#	Terms and Conditions
	<p>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.</p> <p>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.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]</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 associated equipment manufacturer's specifications. The Permittee shall contain, transport, and dispose of solids removed from the treatment process in accordance with all local, state, and federal regulations.</p> <p>The Permittee shall maintain manifests for all solids transported from the treatment Facility for off-site disposal. The manifests shall identify the name of the hauler, the date of off-site shipment, the volume of solids removed, the disposal method, and disposal location.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]</p>
17.	<p>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.</p> <p>The Permittee shall notify the NMED within 24 hours if at any time the Permittee no longer has a certified operator maintaining the system.</p> <p>[Subsection C of 20.6.2.3109 NMAC, 20.7.4 NMAC]</p>

**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"> <li>• January 1<sup>st</sup> through March 31<sup>st</sup> – <b>due by May 1<sup>st</sup></b>;</li> <li>• April 1<sup>st</sup> through June 30<sup>th</sup> – <b>due by August 1<sup>st</sup></b>;</li> <li>• July 1<sup>st</sup> through September 30<sup>th</sup> – <b>due by November 1<sup>st</sup></b>; and</li> <li>• October 1<sup>st</sup> through December 31<sup>st</sup> – <b>due by February 1<sup>st</sup></b>.</li> </ul> [Subsection A of 20.6.2.3107 NMAC]

***Monitoring Actions with Implementation Deadlines***

#	Terms and Conditions
21.	The Permittee shall sample reclaimed domestic wastewater for the presence of perfluorinated chemicals (PFCs).  Within 2.5 years following the issuance date of this Discharge Permit ( <b>by DATE</b> ), the Permittee shall collect a single grab sample of reclaimed domestic wastewater after UV disinfection. The Permittee shall analyze the sample for the following PFCs: <ul style="list-style-type: none"> <li>• perfluorohexane sulfonic acid (PFHxS) (CAS 355-46-4)</li> <li>• perfluorooctane sulfonate (PFOS) (CAS 1763-23-1)</li> <li>• perfluorooctanoic acid (PFOA) (CAS 335-67-1)</li> </ul>

#	Terms and Conditions
	<p>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 <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> <p>[Subsection H of 20.6.2.3109 NMAC, Subsection A of 20.6.2.3107 NMAC]</p>

**Facility Monitoring Conditions**

#	Terms and Conditions
22.	<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 treatment facility each month using a primary measuring device (equipped with head sensing, totalizing and chart recording/data logging mechanisms) located at the entrance works. 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>
23.	<p>The Permittee shall on a monthly basis measure the volume of reclaimed domestic wastewater discharged from the reuse storage impoundment to <i>each</i> field/location within the reuse area.</p> <p>To determine the discharge volume, the Permittee shall maintain a log that records the daily discharges that occur to each reuse location using a totalizing flow meter located on the transfer line between the reuse storage impoundment and the reuse areas. The Permittee shall use the log to calculate the monthly and average daily discharge volume.</p> <p>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.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsections C and H of 20.6.2.3109 NMAC]</p>

#	Terms and Conditions
24.	<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"><li>a) The location and meter identification.</li><li>b) The method of flow meter field calibration employed.</li><li>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.</li><li>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.</li><li>e) Any flow meter repairs made during the previous year or during field calibration.</li><li>f) The name of the individual performing the calibration and the date of the calibration.</li></ul> <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>
25.	<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 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</p>

#	Terms and Conditions
	<p>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>
26.	<p>The Permittee shall collect samples of reclaimed domestic wastewater after UV disinfection on a quarterly basis and analyze the samples for:</p> <ul style="list-style-type: none"> <li>• TKN;</li> <li>• NO<sub>3</sub>-N;</li> <li>• TDS; and</li> <li>• Cl.</li> </ul> <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 subsequent quarterly monitoring report.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsections C and H of 20.6.2.3109 NMAC]</p>
27.	<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 UV disinfection using the following sampling method and frequency:</p> <ul style="list-style-type: none"> <li>• E. coli bacteria: grab sample at peak daily flow once per week;</li> <li>• BOD<sub>5</sub>: six-hour composite sample once per two weeks;</li> <li>• 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</li> <li>• UV transmissivity values: record whenever collecting bacteria samples.</li> </ul> <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 to NMED in the subsequent quarterly monitoring report.</p> <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>

#	Terms and Conditions
28.	<p>Within two years following the issuance date of this Discharge Permit (<b>by DATE</b>), the Permittee shall collect a 24-hour flow weighted composite sample (except as noted for pH) of reclaimed domestic wastewater after UV disinfection and analyze the sample for the following inorganic contaminants (dissolved fraction, except as noted):</p> <ul style="list-style-type: none"> <li>• aluminum (CAS 7429-90-5)</li> <li>• antimony (CAS 7440-36-0)</li> <li>• arsenic (CAS 7440-38-2)</li> <li>• barium (CAS 7440-39-3)</li> <li>• beryllium (CAS 7440-41-7)</li> <li>• boron (CAS 7440-42-8)</li> <li>• cadmium (CAS 7440-43-9)</li> <li>• chromium (CAS 7440-47-3)</li> <li>• cobalt (CAS 7440-48-4)</li> <li>• copper (CAS 7440-50-8)</li> <li>• cyanide CAS 57-12-5)</li> <li>• fluoride (CAS 16984-48-8)</li> <li>• iron (CAS 7439-89-6)</li> <li>• lead (CAS 7439-92-1)</li> <li>• manganese (CAS 7439-96-5)</li> <li>• molybdenum (CAS 7439-98-7)</li> <li>• total mercury (nonfiltered) (CAS 7439-97-6)</li> <li>• pH (instantaneous)</li> <li>• nickel (CAS 7440-02-0)</li> <li>• radioactivity: combined radium-226 &amp; radium-228 (CAS 15262-20-1)</li> <li>• selenium (CAS 7782-49-2)</li> <li>• silver (CAS 7440-224)</li> <li>• sulfate (CAS 14808-79-8)</li> <li>• thallium (CAS 7440-28-0)</li> <li>• uranium (CAS 7440-61-1)</li> <li>• zinc (CAS 7440-66-6)</li> </ul> <p>The Permittee shall properly collect, prepare, preserve, transport and analyzed 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 subsequent 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>Within two years following the issuance date of this Discharge Permit (<b>by DATE</b>), the Permittee shall collect a grab sample of reclaimed domestic wastewater after UV disinfection and analyze the non-filtered sample for the following organic contaminants:</p> <ul style="list-style-type: none"> <li>• atrazine (CAS 1912-24-9)</li> <li>• benzene (CAS 71-43-2)</li> <li>• ethylene dibromide (EDB, CAS 106-93-4)</li> </ul>

#	Terms and Conditions
	<ul style="list-style-type: none"> <li>• benzo-a-pyrene (CAS 50-32-8)</li> <li>• carbon tetrachloride (CAS 56-23-5)</li> <li>• chloroform (CAS 67-66-3)</li> <li>• 1,2-dichlorobenzene (CAS 95-50-1)</li> <li>• 1,4-dichlorobenzene (CAS 106-46-7)</li> <li>• 1,1-dichloroethane (CAS 75-34-3)</li> <li>• 1,2-dichloroethane (EDC, CAS 107-06-2)</li> <li>• 1,1-dichloroethene (1,1-DCE, CAS 75-35-4)</li> <li>• cis-1,2-dichloroethene (CAS 156-59-2)</li> <li>• trans-1,2-dichloroethene (CAS 156-60-5)</li> <li>• 1,2-dichloropropane (PDC, CAS 78-87-5)</li> <li>• 1,4-dioxane (CAS 123-91-1) (using EPA Method 8270D-SIM)</li> <li>• ethylbenzene (CAS 100-41-4)</li> <li>• methylene chloride (CAS 75-09-2)</li> <li>• <u>PAHs</u>: total naphthalene (CAS 91-20-3) plus monomethylnaphthalenes</li> <li>• phenols</li> <li>• polychlorinated biphenyls (PCBs, CAS 1336-36-3)</li> <li>• pentachlorophenol (CAS 87-86-5)</li> <li>• styrene (CAS 100-42-5)</li> <li>• 1,1,2,2-tetrachloroethane (CAS 79-34-5)</li> <li>• tetrachloroethene (PCE, CAS 127-18-4)</li> <li>• 1,2,4-trichlorobenzene (CAS 120-82-1)</li> <li>• 1,1,1-trichloroethane (1,1,1-TCA, CAS 71-55-6)</li> <li>• 1,1,2-trichloroethane (CAS 79-00-5)</li> <li>• trichloroethene (TCE, CAS 79-01-6)</li> <li>• vinyl chloride (CAS 75-01-4)</li> <li>• total xylenes (CAS 1330-20-7)</li> </ul> <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. The reporting limit for 1,4-dioxane shall be less than the Tap Water Screening Level for 1,4-dioxane 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).</p> <p>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.</p>

#	Terms and Conditions
	<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 subsequent quarterly monitoring report.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsections C and H of 20.6.2.3109 NMAC]</p>
30.	<p>The Permittee shall keep a Fertilizer Log (copy enclosed) of all additional nitrogenous fertilizer applied to <i>each</i> reuse location within the reuse area. 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>
31.	<p>The Permittee shall submit records of solids disposal, including 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 1<sup>st</sup> each year.</p> <p>[Subsection A of 20.6.2.3107 NMAC]</p>

**C. CONTINGENCY PLAN**

#	Terms and Conditions
32.	<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>

#	Terms and Conditions
33.	<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> <ul style="list-style-type: none"><li>a) Notify NMED within seven days of the discovery of the discharge volume exceedance that the Facility exceeded the authorized discharge volume.</li><li>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.</li><li>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.</li></ul> <p>[Subsection A of 20.6.2.3107 NMAC]</p>
34.	<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> <ul style="list-style-type: none"><li>a) Within 7 days of the second sample analysis date indicating exceedance of the discharge limit, the Permittee shall:<ul style="list-style-type: none"><li>i) notify NMED that the Permittee is implementing the Contingency Plan; and</li><li>ii) submit a copy of the first and second analytical results indicating an exceedance to NMED.</li></ul></li><li>b) The Permittee shall increase the frequency of total nitrogen wastewater sampling and analysis of treated wastewater to once per month.</li><li>c) The Permittee shall examine the operation and maintenance log, required by the Record Keeping conditions of this Discharge Permit, for improper operational procedures.</li><li>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</li></ul>

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	<p>correction.</p> <p>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.</p> <p>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.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]</p>
35.	<p>In the event that analytical results of a reclaimed domestic wastewater sample exceed any of the maximum discharge limits for BOD<sub>5</sub>, turbidity, or E. coli bacteria 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 BOD<sub>5</sub>, turbidity, or E. coli bacteria set by this Discharge Permit (i.e., confirmed exceedance), the Permittee shall implement the Contingency Plan below.</p> <p><u>Contingency Plan</u></p> <p>a) Within 24 hours of becoming aware of a confirmed exceedance (as identified above), the Permittee shall:</p> <ul style="list-style-type: none"> <li>i) notify NMED that the Permittee is implementing the Contingency Plan; and</li> <li>ii) submit copies of the recent analytical results indicating the exceedance(s) to NMED.</li> </ul> <p>b) The Permittee shall immediately cease discharging reclaimed domestic wastewater to the reuse areas if the E. coli bacteria maximum limit is exceeded.</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</p>

#	Terms and Conditions
	<p>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> <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 areas with NMED approval.</p> <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 areas.</p> <p>NMED may require, prior to recommencing discharge to the reuse areas, 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>
36.	<p>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 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.</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 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.</p>

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	<p>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.</p> <p>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.</p> <p>[Subsection A of 20.6.2.3107 NMAC]</p>
38.	<p>In the event that an inspection reveals significant damage has occurred or is likely to affect the structural integrity of the sludge drying beds or their ability to contain contaminants, the Permittee shall propose the 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.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]</p>
39.	<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>

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	<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"> <li>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.</li> <li>b) The name and address of the Facility.</li> <li>c) The date, time, location, and duration of the unauthorized discharge.</li> <li>d) The source and cause of unauthorized discharge.</li> <li>e) A description of the unauthorized discharge, including its estimated chemical composition.</li> <li>f) The estimated volume of the unauthorized discharge.</li> <li>g) Any actions taken to mitigate immediate damage from the unauthorized discharge.</li> </ol> <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 actions to be taken relative to the unauthorized discharge. The CAP shall include the following information.</p> <ol style="list-style-type: none"> <li>a) A description of proposed actions to mitigate damage from the unauthorized discharge.</li> <li>b) A description of proposed actions to prevent future unauthorized discharges of this nature.</li> <li>c) A schedule for completion of proposed actions.</li> </ol> <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>
40.	<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</p>

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	<p>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***

#	Terms and Conditions
41.	<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 Facility, or a component of the Facility, the Permittee shall submit a sludge removal and disposal plan to NMED for approval. The sludge removal and disposal plan shall include the following information.</p> <ol style="list-style-type: none"> <li>a. The estimated volume and dry weight of sludge planned to be removed and disposed of, including measurements and calculations.</li> <li>b. Laboratory analytical data results for samples of the sludge taken from the components for TKN, NO<sub>3</sub>-N, percent total solids, and any other parameters tested (reported in mg/kg, dry weight basis).</li> <li>c. The method(s) of sludge <i>removal</i> from the components.</li> <li>d. The method(s) of <i>disposal</i> 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. <i>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.</i></li> <li>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.</li> </ol> <p>The Permittee shall initiate implementation of the plan within 30 days following approval by NMED.</p> <p>Within <u>120 days</u> of ceasing discharge to the treatment system, the Permittee shall complete the following closure measures.</p> <ol style="list-style-type: none"> <li>a. Plug the line leading to the system so that a discharge can no longer occur.</li> <li>b. Evaporate wastewater in the system components and storage impoundment, drain and dispose of wastewater in accordance with all local, state, and federal</li> </ol>

#	Terms and Conditions
	<p>regulations, or discharge 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.</p> <p>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.</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> <ol style="list-style-type: none"> <li>a) Remove all lines leading to and from the treatment system, or permanently plug and abandon them in place.</li> <li>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.</li> <li>c) Perforate or remove the storage impoundment liner; fill the impoundment with suitable fill; and re-grade the impoundment site to blend with surface topography, promote positive drainage and prevent ponding.</li> </ol> <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**

#	Terms and Conditions
42.	<p>RECORD KEEPING - The Permittee shall maintain a written record of the following:</p> <ul style="list-style-type: none"> <li>• Information and data used to complete the application for this Discharge Permit;</li> <li>• Information, data, and documents demonstrating completion of closure activities;</li> <li>• Any releases (commonly known as “spills”) not authorized under this Discharge Permit and reports submitted pursuant to 20.6.2.1203 NMAC;</li> <li>• The operation, maintenance, and repair of all facilities/equipment used to treat, store or dispose of wastewater;</li> <li>• 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;</li> </ul>

#	Terms and Conditions
	<ul style="list-style-type: none"> <li>• Copies of logs, inspection reports, and monitoring reports completed and/or submitted to NMED pursuant to this Discharge Permit;</li> <li>• The volume of wastewater or other wastes discharged pursuant to this Discharge Permit;</li> <li>• Groundwater quality and wastewater quality data collected pursuant to this Discharge Permit;</li> <li>• Copies of construction records (well log) for all sampled groundwater monitoring wells pursuant to this Discharge Permit;</li> <li>• The maintenance, repair, replacement or calibration of any monitoring equipment or flow measurement devices required by this Discharge Permit; and</li> <li>• Data and information related to field measurements, sampling, and analysis conducted pursuant to this Discharge Permit, including:                         <ul style="list-style-type: none"> <li>○ the dates, location and times of sampling or field measurements;</li> <li>○ the name and job title of the individuals who performed each sample collection or field measurement;</li> <li>○ the sample analysis date of each sample;</li> <li>○ the name and address of the laboratory, and the name of the signatory authority for the laboratory analysis;</li> <li>○ the analytical technique or method used to analyze each sample or collect each field measurement;</li> <li>○ the results of each analysis or field measurement, including raw data;</li> <li>○ the results of any split, spiked, duplicate or repeat sample; and</li> <li>○ a copy of the laboratory analysis chain-of-custody as well as a description of the quality assurance and quality control procedures used.</li> </ul> </li> </ul> <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>
43.	<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>
44.	<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</p>

#	Terms and Conditions
	<p>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> <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>
45.	<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>
46.	<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>
47.	<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>

#	Terms and Conditions
	<p>[Subsections A and C of 20.6.2.1202 NMAC, NMSA 1978, §§ 61-23-1 through 61-23-32]</p>
48.	<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, 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>
49.	<p>CRIMINAL PENALTIES – No person shall:</p> <ul style="list-style-type: none"> <li>• 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;</li> <li>• Falsify, tamper with or render inaccurate any monitoring device, method or record maintained under the WQA; or</li> <li>• Fail to monitor, sample or report as required by a permit issued pursuant to a state or federal law or regulation.</li> </ul> <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</p>

#	Terms and Conditions
	<p>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>
50.	<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 federal, state, and/or local laws, regulations, zoning requirements, nuisance ordinances, permits or orders.</p> <p>[NMSA 1978, § 74-6-5.L]</p>
51.	<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>
52.	<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"><li>• Notify the proposed transferee in writing of the existence of this Discharge Permit;</li><li>• Include a copy of this Discharge Permit with the notice; and</li><li>• Deliver or send by certified mail to NMED a copy of the notification and proof that the proposed transferee has received such notification.</li></ul> <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>
53.	<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>

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

draft



## New Mexico Environment Department Ground Water Quality Bureau Discharge Permit Summary

### Facility Information

<b>Facility Name</b>	White Rock Water Resources Recovery Facilities
<b>Discharge Permit Number</b>	DP-907
<b>Legally Responsible Party</b>	Los Alamos County Department of Public Utilities Jennifer Baca, Engineering Associate
	1000 Central Avenue, Suite 130 Los Alamos, 87544 (505) 662-8133

### Treatment, Disposal and Site Information

<b>Primary Waste Type</b>	Domestic
<b>Facility Type</b>	Municipal Wastewater

#### Treatment Methods

Type	Designation	Description & Comments
Wastewater Treatment System	White Rock Water Resources Recovery Facilities	The entrance works consists of two fine screens and a grit removal system. Secondary treatment consists of an oxidation ditch with an anoxic zone and two secondary clarifiers. Treated wastewater is conveyed through two filters for tertiary treatment then disinfected through two ultraviolet disinfection channels. Sludge from the clarifiers is sent to two holding tanks, de-watered using a dewatering press, then composted at the Los Alamos composting facility under DP-1894.

#### Discharge Locations

Type	Designation	Description & Comments
Impoundment	Reuse Storage Impoundment	320,000-gallon synthetically-lined impoundment located adjacent to the WWTF and used to store reclaimed domestic wastewater for reuse. Impoundment is lined with 160-mil Teranap 431 liner.
Sludge Drying Beds	Sludge Storage Area	Concrete sludge drying beds located on northeast side of Facility (52' x 27').
Reuse Area	Overlook Park	23.23 acres of athletic fields, amphitheater grounds, and grasslands at Overlook Park irrigated by Class 1A reclaimed domestic wastewater via spray irrigation.
Reuse Area	WWTF Reuse Area	4.72 acres of landscaping at the WWTF irrigated by Class 1A reclaimed domestic wastewater via spray irrigation.

#### Flow Metering Locations

Type	Designation	Description & Comments
Primary Measurement Device	WWTF Influent	Parshall flume equipped with head sensor located at the WWTF entrance works.



**New Mexico Environment Department Ground Water Quality Bureau  
Discharge Permit Summary**

Primary Measurement Device	WWTF Effluent	Parshall flume equipped with head sensor located after UV disinfection prior to the NPDES Outfall.
Totalizing Flow Meter	Overlook Park	Two totalizing flow meters located on the two transfer lines between the Overlook Park reuse storage impoundment and Overlook Park.
Totalizing Flow Meter	WWTF	Totalizing flow meter located on the transfer line between the Overlook Park reuse storage Impoundment and the WWTF reuse area.

**Depth-to-Ground Water** 563 feet  
**Total Dissolved Solids (TDS)** 133 mg/L

**Permit Information**

**Original Permit Issued** February 5, 1993  
**Permit Renewal** May 12, 1999  
**Permit Renewal** February 3, 2005  
**Permit Renewal** April 8, 2010  
**Permit Renewal** May 20, 2015  
**Permit Renewal and Modification** February 24, 2021

<b>Current Action</b>	<b>Permit Renewal</b>
Application Received	September 9, 2025
Public Notice Published	[not yet published]
Permit Issued (Issuance Date)	[issuance date]
Permitted Discharge Volume	500,000 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** Haylea Nisbet  
**Lead Staff Telephone Number** (505) 795-2831  
**Lead Staff Email** [haylea.nisbet@env.nm.gov](mailto:haylea.nisbet@env.nm.gov) or [pps.general@env.nm.gov](mailto:pps.general@env.nm.gov)

## **Groundwater Discharge Permit Guidance for Synthetically Lined Lagoons – Liner Material and Site Preparation**

This guidance document represents minimum liner material and site preparation requirements for wastewater treatment, storage and evaporation lagoons. These requirements do not apply to lagoons storing hazardous wastes or high strength waste. The Ground Water Quality Bureau may impose additional requirements (e.g., double-lined lagoons with leak detection) for facilities discharging hazardous or high strength waste to lagoons through the development of specific Discharge Permit conditions for such facilities.

### Liner Material Requirements:

1. The liner shall be chemically compatible with any material that will contact the liner.
2. The liner material shall be resistant to deterioration by sunlight if any portion of the liner will be exposed.
3. Synthetic liner material shall be of sufficient thickness to have adequate tensile strength and tear and puncture resistance. Under no circumstances shall a synthetic liner material less than 40 mils in thickness be accepted. Any liner material shall be certified by a licensed New Mexico professional engineer and approved by the New Mexico Environment Department (NMED) prior to its installation.

### Lagoon Design and Site Preparation Requirements:

1. The system shall be certified by a licensed New Mexico professional engineer and approved by NMED prior to installation.
2. Inside slopes shall be a maximum of 3 (horizontal): 1 (vertical), and a minimum of 4 (horizontal); 1 (vertical).
3. Lagoon volume shall be designed to allow for a minimum of 24 inches of freeboard.
4. The liner shall be installed with sufficient liner material to accommodate shrinkage due to temperature changes. Folds in the liner are not acceptable.
5. To a depth of at least six inches below the liner, the sub-grade shall be free of sharp rocks, vegetation and stubble. In addition, liners shall be placed on a sub-grade of sand or fine soil. The surface in contact with the liner shall be smooth to allow for good contact between liner and sub-grade. The surface shall be dry during liner installation.
6. Sub-grade shall be compacted to a minimum of 90% of standard proctor density.
7. The minimum dike width shall be eight feet to allow vehicle traffic for maintenance.
8. The base of the pond shall be as uniform as possible and shall not vary more than three inches from the average finished elevation.
9. Synthetic liners shall be anchored in an anchor trench in the top of the berm. The trench shall be a minimum of 12 inches wide, 12 inches deep and shall be set back at least 24 inches from the inside edge of the berm.
10. If the lagoon is installed over areas of decomposing organic materials or shallow groundwater, a liner vent system shall be installed.
11. Any opening in the liner through which a pipe or other fixture protrudes shall be properly sealed. Liner penetrations shall be detailed in the construction plans and record drawings.
12. A synthetic liner shall not be installed in temperatures below freezing.
13. The liner shall be installed or supervised by an individual that has the necessary training and experience as required by the liner manufacturer.
14. All manufacturer's installation and field seaming guidelines shall be followed.
15. All synthetic liner seams shall be field tested by the installer and verification of the adequacy of the seams shall be submitted to NMED along with the record drawings.
16. Concrete slabs installed on top of the synthetic liner for operational purposes shall be completed in accordance with manufacturer and installer recommendations to ensure liner integrity.

# 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:<sup>1</sup>

# ACRES IN FIELD:

DAY, MONTH & YEAR OF APPLICATION <sup>2</sup>	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 <sup>3</sup>
DD - MM - YY	I	G	10	200	5 (field size 4 acres)	
<b>TOTALS</b>						

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