

# **GROUND WATER DISCHARGE PERMIT RENEWAL**

## **City of Santa Fe Wastewater Treatment Facility, DP-289**

### **I. INTRODUCTION**

The New Mexico Environment Department (NMED) issues this Discharge Permit Renewal (Discharge Permit), DP-289, to the City of Santa Fe (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) Regulations, 20.6.2 NMAC.

NMED's purpose in issuing this Discharge Permit, and in imposing the requirements and conditions specified herein, is to control the discharge of water contaminants from the City of Santa Fe Wastewater Treatment Facility (WWTF) into ground and surface water, so as to protect ground and surface water for present and potential future use as domestic and agricultural water supply and other uses and protect public health. In issuing this Discharge Permit, NMED has determined that the requirements of Subsection C of 20.6.2.3109 NMAC have been met.

The activities which produce the discharge, the location of the discharge, and the quantity, quality and flow characteristics of the discharge are briefly described as follows:

Up to 13 million gallons per day (gpd) of domestic wastewater from the City of Santa Fe is received and treated by the City of Santa Fe WWTF located in Santa Fe near the intersection of Airport Road and NM Highway 599. Treated wastewater is discharged into the Santa Fe River pursuant to NPDES Permit No. NM0022292 and this Permit. Reclaimed wastewater is authorized for use in accordance with this Discharge Permit as follows:

- For irrigation and dust control at the WWTF;
- For ornamental impoundments and irrigation at the Municipal Recreation Complex (MRC), located west of NM Highway 599 in sections 21, 22, 26, 27 and 35, T17N, R8E;
- For irrigation at the New Mexico Game and Fish Headquarters, located west of NM Highway 599 in section 27, T17N, R8E;
- For wildlife watering by the US Forest Service at various locations west of Santa Fe within the Caja del Rio Grant and in T17N, 8E; and
- For irrigation at various municipal parks, medians, and trees within the Santa Fe city limits.

The City of Santa Fe WWTF is also authorized to transfer reclaimed wastewater for reuse at other facilities under separate discharge permits and/or as follows:

- Up to 1,500,000 gpd to Las Campanas Limited Partnership, DP-944;
- Up to 700,000 gpd to Santa Fe Country Club, DP-1407;
- Up to 500,000 gpd to Caja del Rio Landfill, DP-1120;
- Up to 416,200 gpd to Santa Fe Downs, DP-265;
- Up to 400,000 gpd to Santa Fe Horse Park, DP-78;
- Up to 20,000 gpd to Santa Fe Estates Subdivision, DP-1506;
- Up to 16,000 gpd to Cerrito Pelado Scoria Mine, DP-1576;

- For transfer of reclaimed wastewater to other entities that are permitted by NMED to discharge reclaimed wastewater; and
- For temporary and/or as needed uses that NMED has determined do not require a discharge permit including, but not limited to: dust control, construction purposes, and flood irrigation of non-food crops. The authorized delivery point for these discharges is at the WWTF stand-pipe.

The discharge contains water contaminants or toxic pollutants which may be elevated above the standards of 20.6.2.3103 NMAC. The WWTF is located in Section 10, T16N, R08E, Santa Fe County. Ground water most likely to be affected by the discharges authorized by this permit range in depth from approximately 120 to 300 feet and has a total dissolved solids concentration of approximately 250 milligrams per liter.

The original Discharge Permit was issued on February 13, 1984 and subsequently renewed, modified and/or amended on June 8, 2006, September 24, 2004, October 8, 2002, June 11, 2002, August 22, 2000, December 10, 1996, January 18, 1996, October 4, 1991, July 29, 1991, and April 10, 1989. The permittee's application consists of the materials submitted by the permittee dated March 30, 2007 and other materials as applicable. The discharge shall be managed in accordance with all conditions and requirements of this Discharge Permit.

Pursuant to Section 20.6.2.3109 NMAC, NMED reserves the right to require a Discharge Permit Modification in the event NMED determines that the requirements of 20.6.2 NMAC are being or may be violated or the standards of Section 20.6.2.3103 NMAC are being or may be violated. This may include a determination that structural controls and/or management practices approved under this Discharge Permit are not protective of ground water quality, and that more stringent requirements to protect and/or remediate ground water quality may be required by NMED. These requirements may include: ceasing discharges; changing waste management practices; expanding monitoring requirements and/or implementing abatement of water pollution.

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.

The following abbreviations may be used in this Discharge Permit:

Abbreviation	Explanation	Abbreviation	Explanation
BOD <sub>5</sub>	biochemical oxygen demand (5-day)	NTU	nephelometric turbidity units
CFR	Code of Federal Regulations	Org	organisms
Cl	chloride	TDS	total dissolved solids
LADS	land application data sheet(s)	TKN	total Kjeldahl nitrogen
mg/L	milligrams per liter	total nitrogen	TKN+NO <sub>3</sub> -N
mL	milliliters	TRC	Total Residual Chlorine
NMAC	New Mexico Administrative Code	TSS	total suspended solids

NMED	New Mexico Environment Department	WQA	New Mexico Water Quality Act
NMSA	New Mexico Statutes Annotated	WQCC	Water Quality Control Commission
NO <sub>3</sub> -N	nitrate-nitrogen		

**II. FINDINGS**

In issuing this Discharge Permit, NMED finds:

1. The permittee is discharging effluent or leachate from the facility so that such effluent or leachate may move directly or indirectly into ground water within the meaning of Section 20.6.2.3104 NMAC.
2. The permittee is discharging effluent or leachate from the facility so that such effluent or leachate may move into ground water of the State of New Mexico which has an existing concentration of 10,000 milligrams per liter or less of total dissolved solids within the meaning of Subsection A of 20.6.2.3101 NMAC.
3. The discharge from the facility is not subject to any of the exemptions of Section 20.6.2.3105 NMAC.

**III. CONDITIONS**

The following conditions shall be complied with by the permittee and are enforceable by NMED. The permittee is authorized to discharge water contaminants subject to the following conditions:

**OPERATIONAL PLAN**

**PART I. APPLICABLE TO ALL PARTS.**

#	Terms and Conditions
1.	The permittee shall implement the following operational plan to ensure compliance with Title 20, Chapter 6, Parts 1 and 2 NMAC. [20.6.2.3106.C NMAC, 20.6.2.3107 NMAC]
2.	The permittee shall operate in a manner such that standards and requirements of Sections 20.6.2.3101 and 20.6.2.3103 NMAC are not violated. [20.6.2.3101 NMAC, 20.6.2.3103 NMAC]

**PART II. APPLICABLE TO DISCHARGES OF TREATED WASTEWATER TO THE SANTA FE RIVER**

#	Terms and Conditions
3.	The permittee is authorized to discharge up to 13 million gallons per day (gpd) of treated wastewater to the Santa Fe River pursuant to NPDES Permit No. NM0022292.

4.	Treated wastewater discharged from WWTF outfall to the Santa Fe River shall not exceed the following limitation: <ul style="list-style-type: none"> <li>• <b>Total Nitrogen: 10 mg/L</b></li> </ul> All samples shall be collected following UV disinfection. [20.6.2.3109 NMAC]
5.	The permittee shall maintain fences around the WWTF to control public access. The fences shall be constructed in a manner which prevents access by the general public and animals such as dogs (e.g., chain link, field fencing or locking lids) and shall be maintained throughout the term of this Discharge Permit. [20.6.2.3109 NMAC]
6.	The permittee shall maintain signs at the WWTF entrance and other areas in the facility where public contact is possible indicating that the water is not potable. All signs shall remain visible and legible for the term of this Discharge Permit. [20.6.2.3109 NMAC]
7.	The permittee shall remove solids from the treatment facility as needed, depending on process control testing such as: the 30-minute settleometer test, the Mixed Liquor Suspended Solids concentration or the Mean Cell Residence Time. The solids shall be contained, transported, and disposed of in accordance with all local, state, and federal (40 CFR Part 503) regulations. [20.6.2.3109 NMAC]
8.	The permittee shall utilize operators, certified by the State of New Mexico at the appropriate level, to operate the wastewater collection, treatment and disposal systems. All operations and maintenance of all or any part of the wastewater system shall be performed by, or under the direct supervision of, a certified operator. [20.7.4 NMAC]

**PART III. APPLICABLE TO DISCHARGES OF CLASS 1A RECLAIMED WASTEWATER AS APPROVED UNDER THIS DISCHARGE PERMIT**

#	Terms and Conditions												
9.	The permittee is authorized to discharge up to 13 million gpd of reclaimed wastewater to the following locations: <ul style="list-style-type: none"> <li>• For irrigation and dust control at the WWTF;</li> <li>• For ornamental impoundments and irrigation at the Municipal Recreation Complex (MRC), located west of NM Highway 599 in sections 21, 22, 26, 27 and 35, T17N, R8E;</li> <li>• For irrigation at the New Mexico Game and Fish Headquarters, located west of NM Highway 599 in section 27, T17N, R8E;</li> <li>• For wildlife watering by the US Forest Service at various locations west of Santa Fe within the Caja del Rio Grant and in T17N, 8E; and</li> <li>• For irrigation at various municipal parks, medians, and trees within the Santa Fe city limits.</li> </ul> [20.6.2.3104 NMAC; 20.6.2.3106 NMAC]												
10.	Reclaimed wastewater discharged from the WWTF to these locations shall not exceed the following limitations: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;"><u>Test</u></th> <th style="width: 25%;"><u>30-day geometric mean</u></th> <th style="width: 25%;"><u>30-day average</u></th> <th style="width: 25%;"><u>maximum</u></th> </tr> </thead> <tbody> <tr> <td>Total Nitrogen</td> <td></td> <td></td> <td><b>10 mg/L</b></td> </tr> <tr> <td><i>E. coli</i></td> <td><b>Non-detect in at least</b></td> <td><b>N/A</b></td> <td><b>126 Org/100 mL</b></td> </tr> </tbody> </table>	<u>Test</u>	<u>30-day geometric mean</u>	<u>30-day average</u>	<u>maximum</u>	Total Nitrogen			<b>10 mg/L</b>	<i>E. coli</i>	<b>Non-detect in at least</b>	<b>N/A</b>	<b>126 Org/100 mL</b>
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<i>E. coli</i>	<b>Non-detect in at least</b>	<b>N/A</b>	<b>126 Org/100 mL</b>										

	bacteria:	<b>75% of samples in a calendar month</b>		
	BOD <sub>5</sub> :	N/A	<b>10 mg/L</b>	<b>15 mg/L</b>
	Turbidity:	N/A	<b>3 NTU</b>	<b>5 NTU</b>
	TRC:	N/A	<b>Monitor Only</b>	<b>Monitor Only</b>
	UV Transmissivity:	N/A	<b>Monitor Only</b>	<b>Monitor Only</b>
All samples shall be collected following UV disinfection. [20.6.2.3109 NMAC]				
11.	<p>The permittee shall maintain signs in English and Spanish at all above ground areas in this Part receiving reclaimed wastewater. The signs shall be posted at the entrance and/or at other locations where public access may occur and 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> Alternate wording and/or graphics may be submitted for NMED approval. [20.6.2.3107 NMAC, 20.6.2.3109 NMAC]</p>			
12.	<p>The permittee shall meet the following general requirements for above ground use of reclaimed domestic wastewater at all areas identified under Part III of the Operational Plan of this permit:</p> <ol style="list-style-type: none"> <li>a) The reclaimed wastewater systems shall have no direct or indirect cross connections with potable water systems pursuant to the latest revision of the New Mexico Plumbing and Mechanical Code.</li> <li>b) Above ground use of reclaimed wastewater shall not result in excessive standing or pooling of wastewater, and shall be applied at the appropriate consumptive water use rate. Irrigation shall not be conducted at times when the receiving area is saturated or frozen.</li> <li>c) The discharge of reclaimed wastewater shall be confined to the area designated and approved for receiving the wastewater.</li> <li>d) All water supply wells within 200 feet of a wetted irrigation area shall have adequate well head construction and irrigation shall be managed to ensure protection of ground water quality.</li> <li>e) All existing accessible portions of the reclaimed wastewater system shall be colored purple or clearly labeled as being part of a reclaimed wastewater distribution system. All piping, valves and outlets that are installed during the term of this Discharge Permit shall be color-coded in purple pursuant to the latest revision of the New Mexico Plumbing and Mechanical Code to differentiate piping or fixtures used to convey reclaimed wastewater from piping or fixtures used for potable or other water. All valves, outlets, and sprinkler heads used in reclaimed wastewater systems shall be of a type that can only be operated by authorized personnel. [20.6.2.3109 NMAC]</li> </ol>			

**PART IV. APPLICABLE TO TRANSFERS OF CLASS 1B RECLAIMED WASTEWATER TO OTHER FACILITIES WITH SEPARATE NMED GROUND WATER DISCHARGE PERMITS**

#	Terms and Conditions																								
13.	Prior to discharging to a newly authorized location for the first time, the permittee shall give written notification to NMED stating the date the discharge is to commence, the discharge permit number of the recipient, and to what location. [20.6.2.3109.H NMAC]																								
14.	The permittee is authorized to transfer reclaimed wastewater to the following permitted locations: <ul style="list-style-type: none"> <li>• Up to 500,000 gpd to Caja del Rio Landfill, DP-1120;</li> <li>• Up to 16,000 gpd to Cerrito Pelado Scoria Mine, DP-1576; and</li> </ul> The permittee is also authorized to convey reclaimed domestic wastewater to other entities, which are authorized by NMED under separate ground water Discharge Permits to discharge reclaimed domestic wastewater. [20.6.2.3104 NMAC; 20.6.2.3106 NMAC]																								
15.	Reclaimed wastewater transferred from the WWTF to locations as described in this Part shall not exceed the following limitations: <table border="1" data-bbox="245 871 1349 1287"> <thead> <tr> <th>Test</th> <th>30-day geometric mean</th> <th>30-day average</th> <th>maximum</th> </tr> </thead> <tbody> <tr> <td>Total Nitrogen</td> <td></td> <td></td> <td><b>15 mg/L</b></td> </tr> <tr> <td><i>E. coli</i> bacteria:</td> <td><b>126 Org/100 ml monthly geometric mean</b></td> <td>N/A</td> <td><b>235 Org/100 mL</b></td> </tr> <tr> <td>BOD<sub>5</sub>:</td> <td>N/A</td> <td><b>30 mg/L</b></td> <td><b>45 mg/L</b></td> </tr> <tr> <td>TSS:</td> <td>N/A</td> <td><b>30 mg/L</b></td> <td><b>45 mg/L</b></td> </tr> <tr> <td>UV Transmissivity:</td> <td>N/A</td> <td><b>Monitor Only</b></td> <td><b>Monitor Only</b></td> </tr> </tbody> </table> All samples shall be collected following UV disinfection. [20.6.2.3109 NMAC]	Test	30-day geometric mean	30-day average	maximum	Total Nitrogen			<b>15 mg/L</b>	<i>E. coli</i> bacteria:	<b>126 Org/100 ml monthly geometric mean</b>	N/A	<b>235 Org/100 mL</b>	BOD <sub>5</sub> :	N/A	<b>30 mg/L</b>	<b>45 mg/L</b>	TSS:	N/A	<b>30 mg/L</b>	<b>45 mg/L</b>	UV Transmissivity:	N/A	<b>Monitor Only</b>	<b>Monitor Only</b>
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**PART V. APPLICABLE TO TRANSFERS OF CLASS 1A RECLAIMED WASTEWATER TO OTHER FACILITIES WITH SEPARATE NMED GROUND WATER DISCHARGE PERMITS**

#	Terms and Conditions
16.	Prior to transferring reclaimed wastewater to a newly authorized facility, the permittee shall give written notification to NMED stating the date the transfer is to commence, the discharge permit number of the recipient, and to what location. [20.6.2.3109.H NMAC]
17.	The permittee is authorized to transfer reclaimed wastewater to the following permitted locations: <ul style="list-style-type: none"> <li>• Up to 700,000 gpd to Santa Fe Country Club, DP-1407</li> <li>• Up to 416,200 gpd to Santa Fe Downs, DP-265;</li> <li>• Up to 400,000 gpd to Santa Fe Horse Park, DP-78;</li> <li>• Up to 20,000 gpd to Santa Fe Estates Subdivision, DP-1506; and</li> </ul>

	The permittee is also authorized to convey reclaimed domestic wastewater to other entities, which are authorized by NMED under separate ground water Discharge Permits to discharge reclaimed domestic wastewater. [20.6.2.3104 NMAC, 20.6.2.3106 NMAC ]		
18.	Reclaimed wastewater transferred from the WWTF to locations as described in this Part shall not exceed the following limitations:		
	<u>Test</u>	<u>30-day geometric mean</u>	<u>30-day average</u> <u>maximum</u>
	Total Nitrogen		<b>10 mg/L</b>
	<i>E. coli</i> bacteria:	<b>Non-detect in at least 75% of samples in a calendar month</b>	<b>126 Org/100 mL</b>
	BOD <sub>5</sub> :	N/A	<b>10 mg/L</b> <b>15 mg/L</b>
	Turbidity:	N/A	<b>3 NTU</b> <b>5 NTU</b>
	TRC:	N/A	<b>Monitor Only</b> <b>Monitor Only</b>
	UV Transmissivity:	N/A	<b>Monitor Only</b> <b>Monitor Only</b>
	All samples shall be collected following UV disinfection. [20.6.2.3109 NMAC]		

**PART VI. APPLICABLE TO TRANSFERS OF CLASS 1B RECLAIMED WASTEWATER TO LAS CAMPANAS LIMITED PARTNERSHIP, DP-944**

#	<b>Terms and Conditions</b>		
19.	The permittee is authorized to transfer reclaimed wastewater to the following permitted location: <ul style="list-style-type: none"> <li>Up to 1,500,000 gpd to Las Campanas Limited Partnership, DP-944; [20.6.2.3104 NMAC; 20.6.2.3106 NMAC]</li> </ul>		
20.	Reclaimed wastewater transferred from the WWTF to Las Campanas Limited Partnership shall not exceed the following limitations:		
	<u>Test</u>	<u>30-day geometric mean</u>	<u>30-day average</u> <u>maximum</u>
	Total Nitrogen		<b>15 mg/L</b>
	<i>E. coli</i> bacteria:	<b>126 Org/100 ml monthly geometric mean</b>	<b>235 Org/100 mL</b>
	BOD <sub>5</sub> :	N/A	<b>30 mg/L</b> <b>45 mg/L</b>
	TSS:	N/A	<b>30 mg/L</b> <b>45 mg/L</b>
	UV Transmissivity:	N/A	<b>Monitor Only</b> <b>Monitor Only</b>
	All samples shall be collected following UV disinfection. [20.6.2.3109 NMAC]		

**PART VII. APPLICABLE FOR THE TRANSFER OF CLASS 1A RECLAIMED DOMESTIC WASTEWATER FOR TEMPORARY USES THAT DO NOT REQUIRE A DISCHARGE PERMIT (STAND-PIPE DELIVERY)**

#	Terms and Conditions																												
21.	<p>The permittee is authorized to transfer reclaimed wastewater for the following temporary purposes:</p> <ul style="list-style-type: none"> <li>• For wildlife watering by the US Forest Service;</li> <li>• For use in and around the City of Santa Fe for construction, dust control, and irrigation of non-food crops by the City or private entities; and</li> <li>• For other uses that NMED has determined do not require a Discharge Permit.</li> </ul> <p>[20.6.2.3104 NMAC; 20.6.2.3106 NMAC]</p>																												
22.	<p>Reclaimed wastewater transferred for temporary uses that do not require a Discharge Permit shall not exceed the following limitations:</p> <table border="1" data-bbox="246 764 1347 1222"> <thead> <tr> <th data-bbox="246 764 500 798">Test</th> <th data-bbox="500 764 880 798">30-day geometric mean</th> <th data-bbox="880 764 1120 798">30-day average</th> <th data-bbox="1120 764 1347 798">maximum</th> </tr> </thead> <tbody> <tr> <td data-bbox="246 798 500 831">Total Nitrogen</td> <td data-bbox="500 798 880 831"></td> <td data-bbox="880 798 1120 831"></td> <td data-bbox="1120 798 1347 831"><b>10 mg/L</b></td> </tr> <tr> <td data-bbox="246 831 500 949"><i>E. coli</i> bacteria:</td> <td data-bbox="500 831 880 949"><b>Non-detect in at least 75% of samples in a calendar month</b></td> <td data-bbox="880 831 1120 949">N/A</td> <td data-bbox="1120 831 1347 949"><b>126 Org/100 mL</b></td> </tr> <tr> <td data-bbox="246 949 500 982">BOD<sub>5</sub>:</td> <td data-bbox="500 949 880 982">N/A</td> <td data-bbox="880 949 1120 982"><b>10 mg/L</b></td> <td data-bbox="1120 949 1347 982"><b>15 mg/L</b></td> </tr> <tr> <td data-bbox="246 982 500 1016">Turbidity:</td> <td data-bbox="500 982 880 1016">N/A</td> <td data-bbox="880 982 1120 1016"><b>3 NTU</b></td> <td data-bbox="1120 982 1347 1016"><b>5 NTU</b></td> </tr> <tr> <td data-bbox="246 1016 500 1050">TRC:</td> <td data-bbox="500 1016 880 1050">N/A</td> <td data-bbox="880 1016 1120 1050"><b>Monitor Only</b></td> <td data-bbox="1120 1016 1347 1050"><b>Monitor Only</b></td> </tr> <tr> <td data-bbox="246 1050 500 1222">UV Transmissivity:</td> <td data-bbox="500 1050 880 1222">N/A</td> <td data-bbox="880 1050 1120 1222"><b>Monitor Only</b></td> <td data-bbox="1120 1050 1347 1222"><b>Monitor Only</b></td> </tr> </tbody> </table> <p>All samples shall be collected following UV disinfection. [20.6.2.3109 NMAC]</p>	Test	30-day geometric mean	30-day average	maximum	Total Nitrogen			<b>10 mg/L</b>	<i>E. coli</i> bacteria:	<b>Non-detect in at least 75% of samples in a calendar month</b>	N/A	<b>126 Org/100 mL</b>	BOD <sub>5</sub> :	N/A	<b>10 mg/L</b>	<b>15 mg/L</b>	Turbidity:	N/A	<b>3 NTU</b>	<b>5 NTU</b>	TRC:	N/A	<b>Monitor Only</b>	<b>Monitor Only</b>	UV Transmissivity:	N/A	<b>Monitor Only</b>	<b>Monitor Only</b>
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23.	<p>The permittee shall meet the following specific requirements for temporary above ground uses of reclaimed domestic wastewater that do not require a Discharge Permit:</p> <ol style="list-style-type: none"> <li>a) Access to the reclaimed wastewater distribution system (Stand Pipe) shall be restricted. Reclaimed wastewater shall only be transferred to the users by the permittee or its designate. Public access to the reclaimed wastewater system is prohibited.</li> <li>b) All recipients of reclaimed wastewater for temporary uses shall be notified in writing of the following: <ol style="list-style-type: none"> <li>1) Reclaimed wastewater received from the permittee is approved for the following temporary uses only: construction activities, soil compaction, mixing of mortars, slurries or cement, dust control on roads and construction sites and irrigation of non-food crops by flood application only (spray irrigation is prohibited).</li> <li>2) Transport vehicles and storage tanks containing reclaimed wastewater provided by the permittee shall contain signs identifying the contents as non-potable water and advising against consumption in English and Spanish.</li> <li>3) Above ground use of reclaimed wastewater shall not result in excessive standing or pooling of wastewater. Application shall not be conducted at times when the receiving area is saturated or frozen. Spraying and misting of the reclaimed</li> </ol> </li> </ol>																												

	wastewater shall be minimized. [20.6.2.3109 NMAC]
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**MONITORING, REPORTING, AND OTHER REQUIREMENTS  
PART I. APPLICABLE TO ALL PARTS**

#	Terms and Conditions
24.	The permittee shall conduct the following monitoring, reporting, and other requirements listed below. [20.6.2.3107 NMAC]
25.	<p><b>METHODOLOGY</b> - Unless otherwise approved in writing by NMED, the permittee shall conduct sampling and analysis in accordance with the most recent edition of the following documents:</p> <ul style="list-style-type: none"> <li>a) American Public Health Association, Standard Methods for the Examination of Water and Wastewater (18th, 19th or current);</li> <li>b) U.S. Environmental Protection Agency, Methods for Chemical Analysis of Water and Waste;</li> <li>c) U.S. Geological Survey, Techniques for Water Resources Investigations of the U.S. Geological Survey;</li> <li>d) American Society for Testing and Materials, Annual Book of ASTM Standards, Part 31.Water;</li> <li>e) U.S. Geological Survey, et al., National Handbook of Recommended Methods for Water Data Acquisition; or</li> <li>f) Methods of Soil Analysis: Part 1. Physical and Mineralogical Methods and Part 2. Chemical and Microbiological Properties, American Society of Agronomy.</li> </ul> <p>[20.6.2.3107.B NMAC]</p>
26.	<p>As detailed in other conditions in this permit, the permittee shall submit monthly and quarterly monitoring reports.</p> <p>Monthly monitoring shall be performed during the following periods:</p> <ul style="list-style-type: none"> <li>• January 1<sup>st</sup> through January 31<sup>st</sup> – due by February 15<sup>th</sup>;</li> <li>• February 1<sup>st</sup> through February 28<sup>th</sup> – due by March 15<sup>th</sup>;</li> <li>• March 1<sup>st</sup> through March 31<sup>st</sup> – due by April 15<sup>th</sup>;</li> <li>• April 1<sup>st</sup> through April 30<sup>th</sup> – due by May 15<sup>th</sup>;</li> <li>• May 1<sup>st</sup> through May 31<sup>st</sup> – due by June 15<sup>th</sup>;</li> <li>• June 1<sup>st</sup> through June 30<sup>th</sup> – due by July 15<sup>th</sup>;</li> <li>• July 1<sup>st</sup> through July 31<sup>st</sup> – due by August 15<sup>th</sup>;</li> <li>• August 1<sup>st</sup> through August 31<sup>st</sup> – due by September 15<sup>th</sup>;</li> <li>• September 1<sup>st</sup> through September 31<sup>st</sup> – due by October 15<sup>th</sup>;</li> <li>• October 1<sup>st</sup> through October 31<sup>st</sup> – due by November 15<sup>th</sup>;</li> <li>• November 1<sup>st</sup> through November 30<sup>th</sup> – due by December 15<sup>th</sup>; and</li> <li>• December 1<sup>st</sup> through December 31<sup>st</sup> – due by January 15<sup>th</sup>.</li> </ul> <p>Quarterly monitoring shall be performed during the following periods:</p> <ul style="list-style-type: none"> <li>• January 1<sup>st</sup> through March 31<sup>st</sup> (first quarter) – due by April 15<sup>th</sup>;</li> <li>• April 1<sup>st</sup> through June 30<sup>th</sup> (second quarter) – due by July 15<sup>th</sup>;</li> </ul>

<ul style="list-style-type: none"> <li>• July 1<sup>st</sup> through September 30<sup>th</sup> (third quarter) – due by November 15<sup>th</sup>; and</li> <li>• October 1<sup>st</sup> through December 31<sup>st</sup> (fourth quarter) – due by January 15<sup>th</sup>.</li> </ul>
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**PART II. APPLICABLE TO DISCHARGES OF TREATED WASTEWATER TO THE SANTA FE RIVER**

#	Terms and Conditions
27.	The permittee shall measure the totalized, daily average and peak volume of wastewater discharged from the WWTF each month using a primary measuring device equipped with head sensing, totalizing and chart recording/data logging mechanisms. The totalized, daily average and peak discharge volumes for each month shall be submitted to NMED in the monthly monitoring reports. The flow meter shall be calibrated against the primary measuring device to within +/- 10% of actual flow and kept operational at all times. [20.6.2.3107 NMAC]
28.	The permittee shall sample treated wastewater from the effluent sampling station located after ultraviolet disinfection and prior to the NPDES outfall on an annual basis by collecting a 24-hour flow weighted composite sample and analyze the composite sample for all contaminants listed under Section 20.6.2.3103 NMAC. Analytical results shall be submitted to NMED in the monitoring reports due by January 15 <sup>th</sup> each year. [20.6.2.3107 NMAC]
29.	The permittee shall perform the following analyses on wastewater samples collected from the effluent sampling station located after ultraviolet disinfection and prior to the NPDES outfall using the sampling method and frequency indicated: <ul style="list-style-type: none"> <li>• TKN and NO<sub>3</sub>-N, TDS, and Cl: grab sample, once per month,</li> </ul> Analytical results shall be submitted to NMED in the monthly monitoring reports. [20.6.2.3107 NMAC]
30.	The permittee shall perform quarterly ground water sampling in 1 monitoring well and analyze the samples for NO <sub>3</sub> -N, TKN, Cl, and TDS. The permittee shall also perform annual ground water sampling in 1 monitoring well and analyze the sample for all contaminants listed under Section 20.6.2.3103 NMAC. The permittee shall sample: <ul style="list-style-type: none"> <li>• MW-4A, intended to be located hydrologically downgradient of the outfall</li> </ul> Ground water sample collection, preservation, transport and analysis shall be performed according to the following procedure: <ol style="list-style-type: none"> <li>a) measure the depth-to-ground water from the top of well casing to the nearest hundredth of a foot;</li> <li>b) purge three well volumes of water from the well prior to sample collection;</li> <li>c) obtain samples from the well for analysis;</li> <li>d) properly prepare, preserve and transport samples; and</li> <li>e) analyze samples in accordance with the methods authorized in this Discharge Permit.</li> </ol> Depth-to-water measurements, analytical results for NO <sub>3</sub> -N, TKN, Cl and TDS, including

	the laboratory QA/QC summary report, and a facility layout map showing the location of monitoring well #4A shall be submitted to NMED in the quarterly monitoring reports due by the 15 <sup>th</sup> of January, April, July, and October of each year. Analytical results of the Section 20.6.2.3103 NMAC contaminants shall be submitted to NMED in the monitoring report due by January 15 <sup>th</sup> each year. [20.6.2.3107 NMAC]
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**PART III. APPLICABLE TO DISCHARGES OF CLASS 1A RECLAIMED WASTEWATER AS APPROVED UNDER THIS DISCHARGE PERMIT**

#	Terms and Conditions
31.	The permittee shall measure and record all discharges from the WWTF to the approved locations authorized to receive and discharge reclaimed domestic wastewater under Part III of the Operational Plan of this permit using a totalizing flow meter on the transfer line on a monthly basis. A summary of the monthly discharge volumes shall be submitted to NMED in the monthly monitoring reports. The flow meter shall be calibrated to within +/- 10% of actual flow and kept operational at all times. [20.6.2.3107.A(1) NMAC, 20.6.2.3109.C(3) NMAC]
32.	<p>The permittee shall perform the following analyses on wastewater samples collected from the effluent sampling station located after ultraviolet disinfection and prior to the NPDES outfall using the sampling method and frequency indicated:</p> <ul style="list-style-type: none"> <li>• TKN and NO<sub>3</sub>-N, TDS, and Cl: grab sample, once per month,</li> <li>• <i>E. coli</i> bacteria: grab sample at peak daily flow three times per week,</li> <li>• BOD<sub>5</sub>: six-hour composite sample three times per week, and</li> <li>• TSS: six-hour composite sample three times per week.</li> </ul> <p>The permittee shall continuously monitor reclaimed wastewater for turbidity after the final treatment process during discharge. The permittee shall record the average and maximum turbidity values for each calendar month.</p> <p>The permittee shall record UV transmissivity values whenever fecal coliform samples are collected.</p> <p>Analytical results, monthly average and maximum turbidity values, and a copy of the log of UV transmissivity values shall be submitted to NMED in the monthly monitoring reports. [20.6.2.3107 NMAC]</p>

**PART IV. APPLICABLE TO TRANSFERS OF CLASS 1B RECLAIMED WASTEWATER TO OTHER FACILITIES WITH SEPARATE NMED GROUND WATER DISCHARGE PERMITS**

#	Terms and Conditions
33.	The permittee shall measure and record all transfers from the WWTF to other NMED permitted facilities authorized to discharge reclaimed wastewater on a monthly basis using totalizing flow meters on the transfer lines. The permittee shall maintain a daily log

	<p>showing the location of each discharge, totalizing meter readings immediately prior to and after each discharge, and the calculated total volume of each discharge. A summary of the log entries and the calculated monthly discharge volumes for each location shall be submitted to NMED in the monthly monitoring reports. The flow meter shall be calibrated to within +/- 10% of actual flow and kept operational at all times. [20.6.2.3107.A(1) NMAC, 20.6.2.3109.C(3) NMAC]</p>
34.	<p>The permittee shall perform the following analyses on wastewater samples collected from the effluent sampling station located after ultraviolet disinfection and prior to the NPDES outfall using the sampling method and frequency indicated:</p> <ul style="list-style-type: none"> <li>• TKN and NO<sub>3</sub>-N, TDS, and Cl: grab sample, once per month,</li> <li>• <i>E. coli</i> bacteria: grab sample at peak daily flow three times per week,</li> <li>• BOD<sub>5</sub>: six-hour composite sample three times per week, and</li> <li>• TSS: six-hour composite sample three times per week.</li> </ul> <p>The permittee shall continuously monitor reclaimed wastewater for turbidity after the final treatment process during discharge. The permittee shall record the average and maximum turbidity values for each calendar month.</p> <p>The permittee shall record UV transmissivity values whenever <i>E. coli</i> samples are collected.</p> <p>Analytical results, and a copy of the log of UV transmissivity values shall be submitted to NMED in the monthly monitoring reports. [20.6.2.3107 NMAC]</p>

**PART V. APPLICABLE TO TRANSFERS OF CLASS 1A RECLAIMED WASTEWATER TO OTHER FACILITIES WITH SEPARATE NMED GROUND WATER DISCHARGE PERMITS**

#	Terms and Conditions
35.	<p>The permittee shall measure and record all transfers from the WWTF to other NMED permitted facilities authorized to discharge reclaimed wastewater on a monthly basis using totalizing flow meters on the transfer lines. A summary of the monthly discharge volumes shall be submitted to NMED in the monthly monitoring reports. The flow meter shall be calibrated to within +/- 10% of actual flow and kept operational at all times. [20.6.2.3107.A(1) NMAC, 20.6.2.3109.C(3) NMAC]</p>
36.	<p>The permittee shall perform the following analyses on wastewater samples collected from the effluent sampling station located after ultraviolet disinfection and prior to the NPDES outfall using the sampling method and frequency indicated:</p> <ul style="list-style-type: none"> <li>• TKN and NO<sub>3</sub>-N, TDS, and Cl: grab sample, once per month,</li> <li>• <i>E. coli</i> bacteria: grab sample at peak daily flow three times per week,</li> <li>• BOD<sub>5</sub>: six-hour composite sample three times per week, and</li> <li>• TSS: six-hour composite sample three times per week.</li> </ul> <p>The permittee shall continuously monitor reclaimed wastewater for turbidity after the final</p>

	<p>treatment process during discharge. The permittee shall record the average and maximum turbidity values for each calendar month.</p> <p>The permittee shall record UV transmissivity values whenever fecal coliform samples are collected.</p> <p>Analytical results, monthly average and maximum turbidity values, and a copy of the log of UV transmissivity values shall be submitted to NMED in the monthly monitoring reports. [20.6.2.3107 NMAC]</p>
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**PART VI. APPLICABLE TO TRANSFERS OF CLASS 1B RECLAIMED WASTEWATER TO LAS CAMPANAS LIMITED PARTNERSHIP, DP-944**

#	Terms and Conditions
37.	<p>The permittee shall measure and record all transfers of reclaimed wastewater from the WWTF to Las Campanas Limited Partnership, DP-944, on a monthly basis using a totalizing flow meter on the transfer line. A summary of the monthly discharge volumes shall be submitted to NMED in the monthly monitoring reports. The flow meter shall be calibrated to within +/- 10% of actual flow and kept operational at all times. [20.6.2.3107.A(1) NMAC, 20.6.2.3109.C(3) NMAC]</p>
38.	<p>The permittee shall perform the following analyses on wastewater samples collected from the effluent sampling station located after ultraviolet disinfection and prior to the NPDES outfall using the sampling method and frequency indicated:</p> <ul style="list-style-type: none"> <li>• TKN and NO<sub>3</sub>-N, TDS, and Cl: grab sample, once per month,</li> <li>• <i>E. coli</i> bacteria: grab sample at peak daily flow three times per week,</li> <li>• BODs: six-hour composite sample three times per week, and</li> <li>• TSS: six-hour composite sample three times per week.</li> </ul> <p>The permittee shall record UV transmissivity values whenever fecal coliform samples are collected.</p> <p>Analytical results, and a copy of the log of UV transmissivity values shall be submitted to NMED in the monthly monitoring reports. [20.6.2.3107 NMAC]</p>

**PART VII. APPLICABLE FOR THE TRANSFER OF CLASS 1A RECLAIMED DOMESTIC WASTEWATER FOR TEMPORARY USES THAT DO NOT REQUIRE A DISCHARGE PERMIT (STAND-PIPE DELIVERY)**

#	Terms and Conditions
39.	<p>The permittee shall measure and record the volume of reclaimed domestic wastewater conveyed to uses that do not require a Discharge Permit using a totalizing flow meter on the transfer line at the point of transfer (stand-pipe at WWTF) to the discharger on a monthly basis. The permittee shall submit a summary of the monthly discharge volumes for each location to NMED in the monthly monitoring reports. The flow meter shall be</p>

	calibrated to within +/- 10% of actual flow and kept operational at all times. [20.6.2.3107.A(1) NMAC, 20.6.2.3109.C(3) NMAC]
40.	<p>The permittee shall perform the following analyses on wastewater samples collected from the effluent sampling station located after ultraviolet disinfection and prior to the NPDES outfall using the sampling method and frequency indicated:</p> <ul style="list-style-type: none"> <li>• TKN and NO<sub>3</sub>-N, TDS, and Cl: grab sample, once per month,</li> <li>• <i>E. coli</i> bacteria: grab sample at peak daily flow three times per week,</li> <li>• BOD<sub>5</sub>: six-hour composite sample three times per week, and</li> <li>• TSS: six-hour composite sample three times per week.</li> </ul> <p>The permittee shall record UV transmissivity values whenever fecal coliform samples are collected.</p> <p>Analytical results, and a copy of the log of UV transmissivity values concentrations shall be submitted to NMED in the monthly monitoring reports. [20.6.2.3107 NMAC]</p>

**CONTINGENCY PLAN  
PART I. APPLICABLE TO ALL PARTS**

#	Terms and Conditions
41.	<p>In the event that analytical results of a quarterly treated wastewater sample exceed any of the total nitrogen limits set in this Discharge Permit, the permittee shall analyze another sample within 15 days to confirm the initial results. Upon confirmation that the limitation is being exceeded, the permittee shall enact the following contingency plan:</p> <ol style="list-style-type: none"> <li>a) NMED shall be notified immediately that the contingency plan is being enacted.</li> <li>b) Wastewater sampling and analysis shall be done on a monthly basis.</li> <li>c) The permittee shall examine the operation and maintenance log, required under the Record Keeping section of this permit, for improper operational procedures. The permittee shall also conduct a physical inspection of the treatment system to detect abnormalities. Any abnormalities discovered shall be corrected.</li> <li>d) If analytical results from wastewater sampling continue to exceed the limitation, the permittee shall submit a corrective action plan for NMED approval to modify operational procedures and/or upgrade the treatment process to achieve the effluent limit. The plan shall be submitted within 90 days of the original confirmation of exceedance of the effluent limitation. The corrective action plan shall be implemented immediately upon NMED approval.</li> </ol> <p>When analytical results from three consecutive months of wastewater sampling do not exceed the limitation, the permittee shall return to quarterly monitoring. [20.6.2.3107.A(10) NMAC]</p>
42.	<p>In the event of a spill or release that is not authorized under this Discharge Permit, the permittee shall initiate the notifications and corrective actions as required in Section 20.6.2.1203 NMAC. The permittee shall take immediate corrective action to contain and remove or mitigate the damage caused by the discharge. Within 24 hours after discovery of the discharge, the permittee shall verbally notify NMED and provide the information required by Paragraph (1) of Subsection A of 20.6.2.1203 NMAC. Within 7 days of</p>

	discovering the discharge, the permittee shall submit a written report to NMED verifying the oral notification and providing any additional information or changes. The permittee shall submit a corrective action report within 15 days after discovery of the discharge. [20.6.2.1203 NMAC]
43.	In the event NMED or the permittee identifies any other failures of the Discharge Permit or system not specifically noted herein, NMED may require the permittee to develop for NMED approval contingency plans and schedules to cope with the failures. [20.6.2.3107.A(10) NMAC]

**PART II. APPLICABLE TO DISCHARGES OF TREATED WASTEWATER TO THE SANTA FE RIVER**

#	Terms and Conditions
44.	In the event that ground water standards are violated during the term of this Discharge Permit, upon closure of the facility or during the implementation of post-closure requirements due to discharges covered by Part II of the Operational Plan of this permit, the permittee shall submit to NMED a corrective action plan that proposes measures to mitigate damage from the discharge including, at a minimum, source control measures and an implementation schedule. The permittee may be required to abate water pollution pursuant to Sections 20.6.2.4000 through 20.6.2.4115 NMAC, if the corrective action plan will not result in compliance with the standards and requirements set forth in Section 20.6.2.4103 NMAC within 180 days of confirmation of ground water contamination. [20.6.2.1203 NMAC, 20.6.2.4105.A(8) NMAC]

**PART III. APPLICABLE TO DISCHARGES OF CLASS 1A RECLAIMED WASTEWATER AS APPROVED UNDER THIS DISCHARGE PERMIT**

#	Terms and Conditions
45.	In the event that ground water standards are violated during the term of this Discharge Permit, upon closure of the facility or during the implementation of post-closure requirements due to discharges covered by Part III of the Operational Plan of this permit, the permittee shall submit to NMED a corrective action plan that proposes measures to mitigate damage from the discharge including, at a minimum, source control measures and an implementation schedule. The permittee may be required to abate water pollution pursuant to Sections 20.6.2.4000 through 20.6.2.4115 NMAC, if the corrective action plan will not result in compliance with the standards and requirements set forth in Section 20.6.2.4103 NMAC within 180 days of confirmation of ground water contamination. [20.6.2.1203 NMAC, 20.6.2.4105.A(8) NMAC]
46.	In the event that analytical results of a reclaimed domestic wastewater sample exceed any of the maximum limitations for BOD <sub>5</sub> , turbidity, or <i>E. coli</i> bacteria set by Part III of the Operational Plan of this permit, the permittee shall re-sample within 24 hours of becoming aware of the exceedance to confirm the initial results. If the exceedance of any of the maximum limitations is confirmed, or if any of the 30-day average limitations is exceeded, the permittee shall enact the following contingency plan: a) NMED shall be notified immediately that the contingency plan is being enacted.

- b) The permittee shall immediately cease transferring reclaimed domestic wastewater to the locations authorized to receive it under Part III of the Operational Plan of this permit:
- For irrigation and dust control at the WWTF;
  - For ornamental impoundments and irrigation at the Municipal Recreation Complex (MRC), located west of NM Highway 599 in sections 21, 22, 26, 27 and 35, T17N, R8E;
  - For irrigation at the New Mexico Game and Fish Headquarters, located west of NM Highway 599 in section 27, T17N, R8E;
  - For wildlife watering by the US Forest Service at various locations west of Santa Fe within the Caja del Rio Grant and in T17N, 8E; and
  - For irrigation at various municipal parks, medians, and trees within the Santa Fe city limits.
- c) The permittee shall examine the operation and maintenance log, required under the Record Keeping section of this Discharge Permit, for improper operational procedures. The permittee shall also conduct a physical inspection of the treatment system to detect abnormalities. Any abnormalities discovered shall be corrected.

When the analytical results from samples of reclaimed domestic wastewater, sampled as required by this Discharge Permit, no longer exceed any of the maximum limitations, the permittee may resume transferring reclaimed domestic wastewater to the locations authorized to receive it under Part III of the Operational Plan of this permit.

If a facility is required to enact the contingency plan more than two times in a calendar year, the permittee shall submit a corrective action plan for NMED approval to modify operational procedures and/or upgrade the treatment process to achieve consistent compliance with the maximum and 30-day average limitations. The plan shall be submitted within 60 days of the second occurrence and shall be implemented immediately upon NMED approval. Additional sampling of stored reclaimed wastewater prior to discharge to the land application area may be required as part of the corrective action plan.

[20.6.2.3107.A(10) NMAC]

**PART IV. APPLICABLE TO TRANSFERS OF CLASS 1B RECLAIMED WASTEWATER TO OTHER FACILITIES WITH SEPARATE NMED GROUND WATER DISCHARGE PERMITS**

47. In the event that analytical results of a reclaimed domestic wastewater sample exceed any of the maximum limitations for BOD<sub>5</sub>, turbidity, or *E. coli* bacteria set by Part IV of the Operational Plan of this permit, the permittee shall re-sample within 24 hours of becoming aware of the exceedance to confirm the initial results. If the exceedance of any of the maximum limitations is confirmed, or if any of the 30-day average limitations is exceeded, the permittee shall enact the following contingency plan:
- a) NMED shall be notified immediately that the contingency plan is being enacted.
  - b) The permittee shall immediately cease transferring reclaimed domestic wastewater to the locations authorized to receive it under Part IV of the Operational Plan of this

	<p>permit:</p> <ul style="list-style-type: none"> <li>• Up to 500,000 gpd to Caja del Rio Landfill, DP-1120;</li> <li>• Up to 16,000 gpd to Cerrito Pelado Scoria Mine, DP-1576; and</li> <li>• Other entities, which are authorized by NMED under separate ground water Discharge Permits to discharge reclaimed domestic wastewater.</li> </ul> <p>c) The permittee shall examine the operation and maintenance log, required under the Record Keeping section of this Discharge Permit, for improper operational procedures. The permittee shall also conduct a physical inspection of the treatment system to detect abnormalities. Any abnormalities discovered shall be corrected.</p> <p>When the analytical results from samples of reclaimed domestic wastewater, sampled as required by this Discharge Permit, no longer exceed any of the maximum limitations, the permittee may resume transferring reclaimed domestic wastewater to the locations authorized to receive it under Part IV of the Operational Plan of this permit.</p> <p>If a facility is required to enact the contingency plan more than two times in a calendar year, the permittee shall submit a corrective action plan for NMED approval to modify operational procedures and/or upgrade the treatment process to achieve consistent compliance with the maximum and 30-day average limitations. The plan shall be submitted within 60 days of the second occurrence and shall be implemented immediately upon NMED approval. Additional sampling of stored reclaimed wastewater prior to discharge to the land application area may be required as part of the corrective action plan. [20.6.2.3107.A(10) NMAC]</p>
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**PART V. APPLICABLE TO TRANSFERS OF CLASS 1A RECLAIMED WASTEWATER TO OTHER FACILITIES WITH SEPARATE NMED GROUND WATER DISCHARGE PERMITS**

#	Terms and Conditions
48.	<p>In the event that analytical results of a reclaimed domestic wastewater sample exceed any of the maximum limitations for BOD<sub>5</sub>, turbidity, <i>E. coli</i> bacteria set by Part V of the Operational Plan of this permit, the permittee shall re-sample within 24 hours of becoming aware of the exceedance to confirm the initial results. If the exceedance of any of the maximum limitations is confirmed, or if any of the 30-day average limitations is exceeded, the permittee shall enact the following contingency plan:</p> <p>a) NMED shall be notified immediately that the contingency plan is being enacted.</p> <p>b) The permittee shall immediately cease transferring reclaimed domestic wastewater to all locations authorized to receive it under Part V of the Operational Plan of this permit:</p> <ul style="list-style-type: none"> <li>• Up to 700,000 gpd to Santa Fe Country Club, DP-1407</li> <li>• Up to 416,200 gpd to Santa Fe Downs, DP-265;</li> <li>• Up to 400,000 gpd to Santa Fe Horse Park, DP-78;</li> <li>• Up to 20,000 gpd to Santa Fe Estates Subdivision, DP-1506; and</li> <li>• Other entities, which are authorized by NMED under separate ground water Discharge Permits to discharge reclaimed domestic wastewater.</li> </ul>

	<p>c) The permittee shall examine the operation and maintenance log, required under the Record Keeping section of this Discharge Permit, for improper operational procedures. The permittee shall also conduct a physical inspection of the treatment system to detect abnormalities. Any abnormalities discovered shall be corrected.</p> <p>When the analytical results from samples of reclaimed domestic wastewater, sampled as required by this Discharge Permit, no longer exceed any of the maximum limitations, the permittee may resume transferring reclaimed domestic wastewater to the locations authorized to receive it under Part V of the Operational Plan of this permit.</p> <p>If a facility is required to enact the contingency plan more than two times in a calendar year, the permittee shall submit a corrective action plan for NMED approval to modify operational procedures and/or upgrade the treatment process to achieve consistent compliance with the maximum and 30-day average limitations. The plan shall be submitted within 60 days of the second occurrence and shall be implemented immediately upon NMED approval. Additional sampling of stored reclaimed wastewater prior to discharge to the land application area may be required as part of the corrective action plan. [20.6.2.3107.A(10) NMAC]</p>
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**PART VI. APPLICABLE TO TRANSFERS OF CLASS 1B RECLAIMED WASTEWATER TO LAS CAMPANAS LIMITED PARTNERSHIP, DP-944**

#	Terms and Conditions
49.	<p>In the event that analytical results of a reclaimed domestic wastewater sample exceed any of the maximum limitations for BOD<sub>5</sub>, TSS, <i>E. coli</i> bacteria set by Part VI of the Operational Plan of this permit, the permittee shall re-sample within 24 hours of becoming aware of the exceedance to confirm the initial results. If the exceedance of any of the maximum limitations is confirmed, or if any of the 30-day average limitations is exceeded, the permittee shall enact the following contingency plan:</p> <ol style="list-style-type: none"> <li>a) NMED shall be notified immediately that the contingency plan is being enacted.</li> <li>b) The permittee shall immediately cease transferring reclaimed domestic wastewater to Las Campanas Limited Partnership, DP-944.</li> <li>c) The permittee shall examine the operation and maintenance log, required under the Record Keeping section of this Discharge Permit, for improper operational procedures. The permittee shall also conduct a physical inspection of the treatment system to detect abnormalities. Any abnormalities discovered shall be corrected.</li> </ol> <p>When the analytical results from samples of reclaimed domestic wastewater, sampled as required by this Discharge Permit, no longer exceed any of the maximum limitations, the permittee may resume transferring reclaimed domestic wastewater to Las Campanas Limited Partnership, DP-944.</p> <p>If the facility is required to enact the contingency plan more than two times in a calendar year, the permittee shall submit a corrective action plan for NMED approval to modify operational procedures and/or upgrade the treatment process to achieve consistent</p>

	<p>compliance with the maximum and 30-day average limitations. The plan shall be submitted within 60 days of the second occurrence and shall be implemented immediately upon NMED approval. Additional sampling of stored reclaimed wastewater prior to discharge to the land application area may be required as part of the corrective action plan. [20.6.2.3107.A(10) NMAC]</p>
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**PART VII. APPLICABLE FOR THE TRANSFER OF CLASS 1A RECLAIMED DOMESTIC WASTEWATER FOR TEMPORARY USES THAT DO NOT REQUIRE A DISCHARGE PERMIT (STAND-PIPE DELIVERY)**

#	Terms and Conditions
50.	<p>In the event that analytical results of a reclaimed domestic wastewater sample exceed any of the maximum limitations for Total Nitrogen, BOD<sub>5</sub>, turbidity, <i>E. coli</i> bacteria set by Part VII of the Operational Plan of this permit, the permittee shall re-sample within 24 hours of becoming aware of the exceedance to confirm the initial results. If the exceedance of any of the maximum limitations is confirmed, or if any of the 30-day average limitations is exceeded, the permittee shall enact the following contingency plan:</p> <ol style="list-style-type: none"> <li>a) NMED shall be notified immediately that the contingency plan is being enacted.</li> <li>b) The permittee shall immediately cease transferring reclaimed domestic wastewater to the uses authorized under Part VII of the Operational Plan of this permit: <ul style="list-style-type: none"> <li>• For wildlife watering by the US Forest Service;</li> <li>• For use in and around the City of Santa Fe for construction, dust control, and irrigation of non-food crops by the City or private entities; and</li> <li>• For other uses that NMED has determined do not require a Discharge Permit.</li> </ul> </li> <li>c) The permittee shall examine the operation and maintenance log, required under the Record Keeping section of this Discharge Permit, for improper operational procedures. The permittee shall also conduct a physical inspection of the treatment system to detect abnormalities. Any abnormalities discovered shall be corrected.</li> </ol> <p>When the analytical results from samples of reclaimed domestic wastewater, sampled as required by this Discharge Permit, no longer exceed any of the maximum limitations, the permittee may resume transferring reclaimed domestic wastewater to the locations authorized to receive it under Part VII of the Operational Plan of this permit.</p> <p>If a facility is required to enact the contingency plan more than two times in a calendar year, the permittee shall submit a corrective action plan for NMED approval to modify operational procedures and/or upgrade the treatment process to achieve consistent compliance with the maximum and 30-day average limitations. The plan shall be submitted within 60 days of the second occurrence and shall be implemented immediately upon NMED approval. Additional sampling of stored reclaimed wastewater prior to discharge to the land application area may be required as part of the corrective action plan. [20.6.2.3107.A(10) NMAC]</p>

**CLOSURE PLAN  
PART I. APPLICABLE TO ALL PARTS.**

#	Terms and Conditions
51.	Closure Plan requirements are subject to specific conditions as outlined in Parts I-VII of the Closure Plan of this permit. [20.6.2.3107.A(11) NMAC]

**PART II. APPLICABLE TO DISCHARGES OF TREATED WASTEWATER TO THE SANTA FE RIVER**

#	Terms and Conditions
52.	<p>Upon closure of the WWTF, the permittee shall perform the following closure measures:</p> <ul style="list-style-type: none"> <li>a) Remove or plug all lines leading to the treatment system, disposal, and land application areas so that a discharge can no longer occur.</li> <li>b) Drain and/or evaporate all liquids from all treatment units and dispose of all sludge in accordance with all local, state, and federal (40 CFR Part 503) regulations.</li> <li>c) Remove or demolish all tanks and re-grade area with clean fill to blend with surface topography and prevent ponding.</li> <li>d) Continue ground water monitoring as required by this Discharge Permit for two years after closure to confirm the absence of ground water contamination. If monitoring results show that the ground water standards in Section 20.6.2.3103 NMAC are being violated, the permittee shall implement the contingency plan required by this Discharge Permit.</li> <li>e) Following notification from NMED that post-closure monitoring may cease, the permittee shall plug and abandon the monitoring well(s) in accordance with the attachment titled <i>Ground Water Discharge Permit Monitoring Well Construction and Abandonment Conditions</i>, Revision 1.0, July 2008.</li> </ul> <p>When all post-closure requirements have been met, the permittee may request to terminate the Discharge Permit. [20.6.2.3107.A(11) NMAC]</p>

**PART III. APPLICABLE TO DISCHARGES OF CLASS 1A RECLAIMED WASTEWATER AS APPROVED UNDER THIS DISCHARGE PERMIT**

#	Terms and Conditions
53.	<p>Upon closure of the facility or discontinuance of transfer of reclaimed domestic wastewater to any of the locations as authorized under this permit, the permittee shall perform the following closure measures:</p> <ul style="list-style-type: none"> <li>a) Remove or plug all lines leading to any of the locations that receive reclaimed wastewater so that the transfer of reclaimed wastewater can no longer occur.</li> <li>b) Perforate or remove any reclaimed wastewater holding lagoon liners and re-grade the lagoons with clean fill to blend with surface topography and prevent ponding.</li> </ul> <p>When all post-closure requirements have been met, the permittee may request to terminate the Discharge Permit. [20.6.2.3107.A(11) NMAC]</p>

**PART IV. APPLICABLE TO TRANSFERS OF CLASS 1B RECLAIMED WASTEWATER TO OTHER FACILITIES WITH SEPARATE NMED GROUND WATER DISCHARGE PERMITS**

#	Terms and Conditions
54.	<p>Upon closure of the facility or discontinuance of transfer of reclaimed domestic wastewater to any of the locations as authorized under this permit, the permittee shall perform the following closure measures:</p> <p>a) Remove or plug all lines leading to any of the locations that receive reclaimed wastewater so that the transfer of reclaimed wastewater can no longer occur.</p> <p>When all post-closure requirements have been met, the permittee may request to terminate the Discharge Permit. [20.6.2.3107.A(11) NMAC]</p>

**PART V. APPLICABLE TO TRANSFERS OF CLASS 1A RECLAIMED WASTEWATER TO OTHER FACILITIES WITH SEPARATE NMED GROUND WATER DISCHARGE PERMITS**

#	Terms and Conditions
55.	<p>Upon closure of the facility or discontinuance of transfer of reclaimed domestic wastewater to any of the locations as authorized under this permit, the permittee shall perform the following closure measures:</p> <p>a) Remove or plug all lines leading to any of the locations that receive reclaimed wastewater so that the transfer of reclaimed wastewater can no longer occur.</p> <p>When all post-closure requirements have been met, the permittee may request to terminate the Discharge Permit. [20.6.2.3107.A(11) NMAC]</p>

**PART VI. APPLICABLE TO TRANSFERS OF CLASS 1B RECLAIMED WASTEWATER TO LAS CAMPANAS LIMITED PARTNERSHIP, DP-944**

#	Terms and Conditions
56.	<p>Upon closure of the facility or discontinuance of transfer of reclaimed domestic wastewater to any of the locations as authorized under this permit, the permittee shall perform the following closure measures:</p> <p>a) Remove or plug all lines leading to any of the locations that receive reclaimed wastewater so that the transfer of reclaimed wastewater can no longer occur.</p> <p>When all post-closure requirements have been met, the permittee may request to terminate the Discharge Permit. [20.6.2.3107.A(11) NMAC]</p>

**PART VII. APPLICABLE FOR THE TRANSFER OF CLASS 1A RECLAIMED DOMESTIC WASTEWATER FOR TEMPORARY USES THAT DO NOT REQUIRE A DISCHARGE PERMIT (STAND-PIPE DELIVERY)**

#	Terms and Conditions
57.	<p>Upon closure of the facility or discontinuance of transfer of reclaimed domestic wastewater to any of the locations as authorized under this permit, the permittee shall perform the</p>

	<p>following closure measures:</p> <p>b) Remove or plug all lines leading to any of the locations that receive reclaimed wastewater so that the transfer of reclaimed wastewater can no longer occur.</p> <p>When all post-closure requirements have been met, the permittee may request to terminate the Discharge Permit. [20.6.2.3107.A(11) NMAC]</p>
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**GENERAL TERMS AND CONDITIONS**

#	Terms and Conditions
58.	<p><b>RECORD KEEPING</b> - The permittee shall maintain at its facility a written record of all data and information related to field measurements, sampling, and analysis conducted pursuant to this Discharge Permit. The following information shall be recorded and shall be made available to NMED upon request:</p> <p>a) The dates, exact place and times of sampling or field measurements;</p> <p>b) The name and job title of the individuals who performed each sample collection or field measurement;</p> <p>c) The date of the analysis of each sample;</p> <p>d) The name and address of the laboratory and the name and job title of the person that performed the analysis of each sample;</p> <p>e) The analytical technique or method used to analyze each sample or take each field measurement;</p> <p>f) The results of each analysis or field measurement, including raw data;</p> <p>g) The results of any split sampling, spikes or repeat sampling; and</p> <p>h) A description of the quality assurance and quality control procedures used.</p> <p>[20.6.2.3107.A NMAC]</p>
59.	<p><b>RECORD KEEPING</b> - The permittee shall maintain a written record of any spills, seeps, and/or leaks of effluent, and of leachate and/or process fluids not authorized by this Discharge Permit. [20.6.2.3107.A NMAC]</p>
60.	<p><b>RECORD KEEPING</b> - The permittee shall maintain a written record of the operation, maintenance, and repair of all facilities/equipment used to treat, store or dispose of wastewater; to measure flow rates, to monitor water quality, or to collect other data required by this Discharge Permit. This record shall include repair, replacement or calibration of any monitoring equipment and repair or replacement of any equipment used in the permittee's waste or wastewater treatment and disposal system. [20.6.2.3107.A NMAC]</p>
61.	<p><b>RECORD KEEPING</b> - The permittee shall maintain a written record of the amount of wastewater, effluent, leachate or other wastes discharged pursuant to this Discharge Permit. [20.6.2.3107.A NMAC]</p>
62.	<p><b>RECORD KEEPING</b> - The permittee shall retain records of all monitoring information, including all calibration and maintenance records, copies of all reports required by this Discharge Permit, and records of all data used to complete the application for this Discharge Permit for a period of at least five years from the date of the sample collection, measurement, report or application. This period may be extended by request of the Secretary at any time. [20.6.2.3107.A NMAC]</p>
63.	<p><b>INSPECTION and ENTRY</b> - The permittee shall allow the Secretary or an authorized</p>

	<p>representative, upon the presentation of credentials, to:</p> <ul style="list-style-type: none"> <li>a) Enter at regular business hours or at other reasonable times upon the permittee's premises or other location where records must be kept under the conditions of this Discharge Permit, or under any federal or WQCC regulation.</li> <li>b) Inspect and copy, during regular business hours or at other reasonable times, any records required to be kept under the conditions of this Discharge Permit, or under any federal or WQCC regulation.</li> <li>c) Inspect, at regular business hours or at other reasonable times, any facility, equipment (including monitoring and control equipment or treatment works), practices or operations regulated or required under this Discharge Permit, or under any federal or WQCC regulation.</li> <li>d) Sample or monitor, at reasonable times for the purpose of assuring compliance with this Discharge Permit or as otherwise authorized by the WQA, any effluent, water contaminant, or receiving water at any location before or after discharge.</li> </ul> <p>[20.6.2.3107.D NMAC, 74-6-9(B) &amp; (E) WQA]</p>
64.	<p>INSPECTION and ENTRY - Nothing in this Discharge Permit shall be construed as limiting in any way the inspection and entry authority of NMED under the WQA, the WQCC Regulations, or any other applicable law or regulation. [20.6.2.3107 NMAC, 74-6-9(B) &amp; (E) WQA]</p>
65.	<p>DUTY to PROVIDE INFORMATION - The permittee shall furnish to NMED, within a reasonable time, any documents or other information which it may request to determine whether cause exists for modifying, terminating and/or renewing this Discharge Permit or to determine compliance with this Discharge Permit. The permittee shall also furnish to NMED, upon request, copies of documents required to be kept by this Discharge Permit. [20.6.2.3107.D NMAC, 74-6-9(B) &amp; (E) WQA]</p>
66.	<p>SPILLS, LEAKS, and OTHER UNAUTHORIZED DISCHARGES - This Discharge Permit authorizes only those discharges specified herein. Any unauthorized discharges violate Section 20.6.2.3104 NMAC and must be reported to NMED and remediated as required by Section 20.6.2.1203 NMAC. [20.6.2.1203 NMAC]</p>
67.	<p>MODIFICATIONS and/or AMENDMENTS - The permittee shall notify NMED of any changes to the permittee's wastewater treatment and disposal system, including any changes in the wastewater flow rate or the volume of wastewater storage, or of any other changes to operations or processes that would result in any significant change in the discharge of water contaminants. The permittee shall obtain NMED's approval, as a modification to this Discharge Permit pursuant to Subsections E, F, or G of 20.6.2.3109 NMAC, prior to any increase in the quantity discharged, or any increase in the concentration of water contaminants discharged, above those levels approved in this Discharge Permit. [20.6.2.3107.C NMAC]</p>
68.	<p>PLANS and SPECIFICATIONS - The permittee shall file plans and specifications with NMED for the construction of a wastewater system and for proposed changes that will change substantially the quantity or quality of the discharge from the system. The permittee shall file plans and specifications prior to the commencement of construction. Changes to the wastewater system having a minor effect on the character of the discharge shall be reported as of January 1 and June 30 of each year to NMED. [20.6.2.1202 NMAC]</p>

69.	<p><b>CIVIL PENALTIES</b> - 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. [74-6-10 WQA, 74-6-10.1 WQA]</p>
70.	<p><b>CRIMINAL PENALTIES</b> – Any person who knowingly violates or knowingly causes or allows another person to:</p> <ol style="list-style-type: none"> <li>1) make any false material statement, representation, certification or omission of material fact in an application, record, report, plan or other document filed, submitted or required to be maintained under the WQA;</li> <li>2) falsify, tamper with or render inaccurate any monitoring device, method or record required to be maintained under the WQA; or</li> <li>3) fail to monitor, sample or report as required by a permit issued pursuant to a state or federal law or regulation, is subject to felony charges and shall be sentenced in accordance with the provisions of Section 31-18-15 NMSA 1978.</li> </ol> <p>[74-6-10.2(A-F) WQA]</p>
71.	<p><b>COMPLIANCE WITH OTHER LAWS</b> - Nothing in this Discharge Permit shall be construed in any way as relieving the permittee of the obligation to comply with all applicable federal, state, and local laws, regulations, permits or orders. [20.6.2 NMAC]</p>
72.	<p><b>RIGHT to APPEAL</b> - 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 (30) days of the receipt of this Discharge Permit. Unless a timely petition for review is made, the decision of NMED shall be final and not subject to judicial review. [74-6-5(O) WQA]</p>
73.	<p><b>TRANSFER of DISCHARGE PERMIT</b> - Prior to the transfer of any ownership, control, or possession of this permitted facility or any portion thereof, the permittee shall notify the proposed transferee in writing of the existence of this Discharge Permit and include a copy of this Discharge Permit with the notice. The permittee shall deliver or send by certified mail to NMED a copy of the notification and proof that such notification has been received by the proposed transferee. [20.6.2.3111 NMAC]</p>
74.	<p><b>TERM</b> - Pursuant to WQA 74-6-5(I) and Subsection H of 20.6.2.3109 NMAC, the term of this Discharge Permit is five years from its effective date. To renew this Discharge Permit, the permittee must submit an application for renewal at least 180 days before the termination date. [20.6.2.3109.H NMAC, 74-6-5(I) WQA]</p>
75.	<p>Payment of permit fees is due at the time of Discharge Permit approval. Permit fees shall be paid in a single payment or shall be paid in equal installments on a yearly basis over the</p>

<p>term of the Discharge Permit. Single payments shall be remitted to NMED no later than 30 days after the Discharge Permit effective date. Initial installment payments shall be remitted to NMED no later than 30 days after the Discharge Permit effective date; subsequent installment payments shall be remitted to NMED no later than the anniversary of the Discharge Permit effective date. An approved Discharge Permit shall be suspended or terminated if the facility fails to remit an installment payment by its due date. [20.6.2.3114.F NMAC, 74-6-5(K) WQA]</p>
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EFFECTIVE DATE:     **effective date**  
EXPIRATION DATE:   **expiration date**

WILLIAM C. OLSON  
Chief, Ground Water Quality Bureau  
New Mexico Environment Department

draft