

**GROUND WATER DISCHARGE PERMIT RENEWAL**  
**Elephant Butte Lake State Park – North, DP-835**

**I. INTRODUCTION**

The New Mexico Environment Department (NMED) issues this Discharge Permit Renewal (Discharge Permit), DP-835, to New Mexico State Parks (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 Elephant Butte Lake State Park – North (facility) 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 or will be met. Pursuant to Section 20.6.2.3104 NMAC, it is the responsibility of the permittee to comply with the terms and conditions of this Discharge Permit; failure may result in an enforcement action(s) by NMED (20.6.2.1220 NMAC).

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:

Combined discharges of up to 5,375 gallons per day of domestic wastewater, domestic septage & sludge and RV & marine dump station waste are discharged to a synthetically lined wetland treatment system; domestic wastewater is discharged to three septic tank/leachfield systems; and vault toilet waste and domestic septage are discharged to two concrete line evaporative impoundments. The discharges contain water contaminants which may be elevated above the standards of Section 20.6.2.3103 NMAC and/or the presence of toxic pollutants as defined in Subsection WW of 20.6.2.7 NMAC.

The disposal systems are located at the northern terminus of an access road off of Rock Canyon Road prior to Island Road and within the South Monticello Campground, approximately 6.5 and 12 miles northeast of Truth or Consequences, in Section 35, T12S, R04W and Section 6, T12S, R03W, Sierra County. Ground water most likely to be affected is at a depth of approximately 100 to 150 feet and has a total dissolved solids concentration of approximately 500 milligrams per liter.

The original Discharge Permit was issued on March 31, 1992 and subsequently renewed on July 9, 1998, and renewed and modified on March 16, 2004. The application (i.e., discharge plan) consists of the materials submitted by the permittee dated August 19, 2011 and materials contained in the administrative record prior to issuance of this Discharge Permit. 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 ground water quality may be required by NMED. The permittee may be required to implement abatement of water pollution and remediate ground water quality.

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 acronyms and 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
EPA	United States Environmental Protection Agency	TKN	total Kjeldahl nitrogen
gpd	gallons per day	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	UPC	Uniform Plumbing Code
NMAC	New Mexico Administrative Code	WQA	New Mexico Water Quality Act
NMED	New Mexico Environment Department	WQCC	Water Quality Control Commission
NMSA	New Mexico Statutes Annotated	WWTF	Wastewater Treatment Facility
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 mg/L or less of TDS 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. AUTHORIZATION TO DISCHARGE**

Pursuant to 20.6.2.3104 NMAC, it is the responsibility of the permittee to ensure that discharges authorized by this Discharge Permit are consistent with the terms and conditions herein.

The permittee is authorized to receive and dispose of up to 5,375 gpd of domestic wastewater, domestic septage, package treatment plant sludge, vault toilet waste and RV & marine dump station waste in accordance with this Discharge Permit as follows:

- Wastewater/waste from a comfort station, RV and marine dump stations, domestic septage and package treatment plant sludge are discharged to a wetland system located at the Rock Canyon Disposal facility. The wetland system consists of two 1,200 gallon septic tanks in parallel followed by two synthetically lined reed beds in parallel. Wastewater from the reed beds is conveyed to three synthetically lined overflow ponds in series for disposal through evaporation.
- Vault toilet waste and domestic septage from the wetland system's septic tanks are discharged to two evaporative concrete impoundments located at the Rock Canyon Disposal Site. Liquid waste is disposed of via evaporation and the remaining solids are hauled off-site to a permitted facility.
- Wastewater from a comfort station and a camp host site is discharged to three septic tank/leachfield disposal systems located at the South Monticello Campground. The comfort discharges to two septic tank/leachfield disposal systems. Each system consists of one 1,500 septic tank follow by a leachfield. The camp host site discharges to a septic tank/leachfield disposal system which consists of one 500 gallon septic tank followed by a leachfield.

This Discharge Permit sets forth separate requirements for the discharge, disposal and removal of domestic wastewater and waste. The separate requirements are identified in individual Parts, which include:

- **Part A. Applicable to All Parts**
- **Part B. Applicable to the Rock Canyon Disposal Site**
- **Part C. Applicable to the South Monticello Campground**

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

### **IV. CONDITIONS**

NMED issues this Discharge Permit for the discharge and disposal of water contaminants subject to the following conditions:

**OPERATIONAL PLAN**

**Part A. Applicable to All Parts**

#	Operating Conditions
1.	<p>The permittee shall implement the following operational plan to ensure compliance with Title 20, Chapter 6, Parts 1 and 2 NMAC.</p> <p>[Subsection C of 20.6.2.3109 NMAC]</p>
2.	<p>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.</p> <p>[20.6.2.3101 NMAC, 20.6.2.3103 NMAC, Subsection C of 20.6.2.3109 NMAC]</p>

**Part B. Applicable to the Rock Canyon Disposal Site**

#	Operational Actions with Implementation Deadlines
3.	<p>Within one year of the date of this Discharge Permit (by DATE), the permittee shall have the synthetic liners of the wetland system’s two Reed Beds, Overflow Pond #1, Overflow Pond #2 and Overflow Pond #3, inspected for integrity and certified by an experienced liner installer. If required, the Reed Bed(s)/Overflow Pond(s) liners shall be repaired or replaced. The construction plans and specifications for liner(s) repair or replacement shall bear the seal and signature of a licensed New Mexico professional engineer (pursuant to New Mexico Engineering and Surveying Practice Act and the rules promulgated under that authority) and shall be submitted for review by NMED. The submitted documentation shall include the following elements:</p> <ul style="list-style-type: none"> <li>a) A liner consistent with the attachment titled <i>Ground Water Discharge Permit Conditions for Synthetically Lined Lagoons – Liner Material and Site Preparation</i>, Revision 0.0, May 2007.</li> <li>b) Calculations of the capacity of each Reed Bed and each Overflow Pond.</li> <li>c) Details of all wetland system components (e.g., septic tanks, transfer lines and associated details).</li> <li>d) Specifications for all materials and installation procedures to be used in the repair or replacement of the Reed Bed(s)/Overflow Pond(s) liners.</li> </ul> <p>Prior to liner(s) repair or replacement, the permittee shall obtain written verification from NMED that the plans and specifications meet the requirements of this Discharge Permit.</p> <p>[Subsections A and C 20.6.2.1202 NMAC, Subsection C of 20.6.2.3106 NMAC, Subsection C of 20.6.2.3107 NMAC, NMSA 1978, §§ 61-23-1 through 61-23-32]</p>

#	Operating Conditions
4.	<p>The permittee shall maintain fences around the Rock Canyon disposal site to control 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. Fences shall be maintained 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>
5.	<p>The permittee shall post and maintain the following sign at the following location:</p> <ul style="list-style-type: none"> <li>• Sign in both English and Spanish that state: "Notice: Waste Disposal Area - KEEP OUT" and "Aviso: Área de Disposición - NO ENTAR" posted at the facility entrance.</li> </ul> <p>The sign shall remain 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>
6.	<p>The permittee shall maintain the Reed Beds and Overflow Ponds synthetic liners in such a manner as to avoid conditions which could affect the structural integrity of the Reed Beds and Overflow Ponds and/or liners. Such conditions include or may be characterized by 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; and</li> <li>• evidence of berm subsidence.</li> </ul> <p>Vegetation growing around the Reed Beds and Overflow Ponds shall be routinely controlled by mechanical removal in a manner that is protective of the impoundment liner.</p> <p>The permittee shall visually inspect the Reed Beds and Overflow Ponds 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 a Reed Bed and/or Overflow Pond berm or liner, or that may result in an unauthorized discharge, the permittee shall enact 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>
7.	<p>The permittee shall visually inspect the two concrete lined evaporative impoundments on a monthly basis to ensure proper containment of the waste. Any conditions that could affect the impermeability or structural integrity of the impoundments shall be corrected.</p>

	<p>Such conditions include but are not limited to erosion damage, cracks, animal activity/damage, or evidence of seepage. The permittee shall keep a log of the inspection findings and repairs made.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]</p>
8.	<p>The permittee shall preserve a minimum of two feet of freeboard between the liquid level in each Overflow Pond and Evaporation Impoundment and the elevation of the top of each Overflow Pond and Evaporation Impoundment liner. In the event that the permittee determines that two feet of freeboard cannot be preserved in any Overflow Pond and/or Evaporation Impoundment, the permittee shall enact 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>
9.	<p>The permittee shall evaporate the liquid portion of the waste from the solid portion in the two concrete lined evaporative impoundments. The solid portion of the waste shall remain in the impoundments until off-site disposal at a permitted facility. The permittee shall store and dispose of the solid portion of the waste in a manner consistent with all local, state and federal regulations. The permittee is not authorized to surface dispose of any portion of any waste under this Discharge Permit.</p> <p>[20.6.2.3109 NMAC, NMSA 1978, § 74-6-5.D]</p>
10.	<p>The permittee shall inspect the Rock Canyon Marina lift station on a quarterly basis, and clean as needed to prevent pump failure. The permittee shall maintain a record of lift station inspections, repairs and cleanings.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]</p>
11.	<p>The permittee shall inspect the disposal site weekly and collect any residual solid waste (trash) within the disposal site. The collected materials shall be disposed of in a manner consistent with all local, state and federal regulations.</p> <p>[20.6.2.3109 NMAC]</p>
12.	<p>The permittee shall utilize operators, certified by the State of New Mexico at the appropriate level, to operate the wastewater treatment and disposal systems. The 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.</p> <p>[Subsection C of 20.6.2.3109 NMAC, 20.7.4 NMAC]</p>

**Part C. Applicable to the South Monticello Campground**

#	Operating Conditions
13.	<p>The permittee shall inspect the RV dump station holding tank monthly to ensure that the tank does not overflow. The contents of the tank shall be pumped as needed by State Park staff.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]</p>
14.	<p>The permittee shall visually inspect the area above each leachfield (disposal system) semi-annually to ensure proper maintenance. Any conditions that indicate damage to the disposal system shall be corrected. Such conditions include, but are not limited to erosion damage, animal activity/damage, woody shrubs or evidence of seepage. The permittee shall keep a log of the inspection findings and repairs. The log shall be made available to NMED upon request.</p> <p>In the event of a failure of the disposal system, the permittee shall enact the contingency plan set forth in this Discharge Permit.</p> <p>[Subsections A and D of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]</p>

**MONITORING AND REPORTING**

**Part A. Applicable to All Parts**

#	Monitoring, Reporting, and Other Requirements
15.	<p>The permittee shall conduct the following monitoring, reporting, and other requirements listed below in accordance with the monitoring requirements of this Discharge Permit.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]</p>
16.	<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 (18<sup>th</sup>, 19<sup>th</sup> 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</li> </ul>

	<p>f) Federal Register, latest methods published for monitoring pursuant to Resource Conservation and Recovery Act regulations</p> <p>g) Methods of Soil Analysis: Part 1. Physical and Mineralogical Methods; Part 2. Microbiological and Biochemical Properties; Part 3. Chemical Methods, American Society of Agronomy</p> <p>[Subsection B of 20.6.2.3107 NMAC]</p>
<p>17.</p>	<p>The permittee shall submit semi-annual monitoring reports to NMED for the most recently completed semi-annual period by the 1<sup>st</sup> of February and August of each year.</p> <p>Semi-annual monitoring shall be performed during the following periods and submitted as follows:</p> <ul style="list-style-type: none"> <li>• January 1<sup>st</sup> through June 30<sup>th</sup> (first half) – <b>due by August 1<sup>st</sup></b></li> <li>• July 1<sup>st</sup> through December 31<sup>st</sup> (second half) – <b>due by February 1<sup>st</sup></b></li> </ul> <p>[Subsection A of 20.6.2.3107 NMAC]</p>

**Part B. Applicable to the Rock Canyon Disposal Site**

#	<b>Monitoring, Reporting, and Other Requirements</b>
<p>18.</p>	<p>The permittee shall estimate the monthly volume of wastewater discharged from the comfort station located at the Rock Canyon Marina to the wetland disposal system. The pumping rate of the pumps located in the comfort station’s wet well shall be obtained from the manufacturer specifications or by documented field assessment. The total run time for each pump(s) shall be logged on an hours recorder. The permittee shall record the pump run hours on a monthly basis (pump operating time) and multiply the time by the pumping rate to calculate the estimated monthly discharge volume by the formula below.</p> <p style="text-align: center;">(pumping rate) x (monthly pump operating time) = estimated monthly discharge volume</p> <p>The estimated monthly discharge volume shall be used to calculate the average daily discharge volume by the formula below.</p> <p style="text-align: center;">estimated monthly discharge volume ÷ number of days between readings = average daily discharge volume</p> <p>The record of the monthly operating time for the pump(s), pumping rate and estimated monthly and average daily discharge volume shall be submitted to NMED in the semi-annual monitoring reports. The hours recorder shall be kept functional at all times.</p> <p>*Should more than one pump/hours recorder assembly exist at the facility, the permittee shall calculate the estimated monthly discharge volume for the facility by adding the estimated monthly discharge volume determined for each pump/hours recorder assembly. This summation should be completed prior to calculating the average daily discharge volume for the facility.</p>

	[Subsection A of 20.6.2.3107 NMAC, Subsections C and H of 20.6.2.3109 NMAC]
19.	<p>The permittee shall create a log that includes all waste loads hauled and disposed of at the Rock Canyon Disposal Site. The log shall record the following information:</p> <ul style="list-style-type: none"> <li>• Date of discharge;</li> <li>• Location for discharge (wetland system or evaporative impoundments);</li> <li>• Type of waste; and</li> <li>• Volume of waste</li> </ul> <p>Copies of the log for the reporting period shall be submitted to NMED with the semi-annual monitoring report.</p> <p>[Subsection A of 20.6.2.3107 NMAC]</p>
20.	<p>The permittee shall collect a grab wastewater sample on an annual basis discharging from the synthetically lined reed beds. In the event that a wastewater sample cannot be collected following the reed beds, the permittee shall sample wastewater from an alternate location within the reed beds. The sample shall be analyzed for TKN, NO<sub>3</sub>-N, TDS and Cl. Samples shall be properly prepared, preserved, transported and analyzed in accordance with the methods authorized in this Discharge Permit. Analytical results shall be submitted to NMED in the semi-annual monitoring report monitoring report due by February 1<sup>st</sup> of each year.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsections C and H of 20.6.2.3109 NMAC]</p>
21.	<p>The permittee shall prepare a log that details the removal of the solid waste temporarily stored within the evaporative concrete impoundments. The log shall record the following information:</p> <ul style="list-style-type: none"> <li>• Date of removal of the solid waste;</li> <li>• Volume of solid waste removed; and</li> <li>• The disposal facility that received the solid waste.</li> </ul> <p>Solids removed from the impoundments shall be transported and disposed of in accordance with all local, state and federal regulations.</p> <p>Copies of the log or a statement that no solid waste removal occurred shall be submitted to NMED with the semi-annual monitoring report.</p> <p>[Subsection A of 20.6.2.3107 NMAC]</p>

**Part C. Applicable to the South Monticello Campground**

#	<b>Ground Water Monitoring with Implementation Deadlines</b>
22.	<p>NMED shall have the option to perform downhole inspections of all monitoring wells identified in this Discharge Permit during facility inspections. In the event that monitoring wells are equipped with dedicated sampling pumps, NMED shall establish the inspection date and provide at least 60 days notice to the permittee by certified mail. The permittee shall have any existing dedicated pumps removed at least 48 hours prior to NMED inspection to allow adequate settling time of sediment agitated from pump removal.</p> <p>Should a facility not have existing dedicated pumps, but decide to install pumps in any of the monitoring wells, NMED shall be notified at least 90 days prior to pump installation so that a downhole well inspection(s) can be scheduled prior to pump placement.</p> <p>[Subsection A and D of 20.6.2.3107 NMAC]</p>

#	<b>Ground Water Monitoring</b>
23.	<p>The permittee shall perform semi-annual ground water sampling in the following monitoring wells and analyze the samples for dissolved TKN, NO<sub>3</sub>-N, TDS and Cl:</p> <ul style="list-style-type: none"> <li>• MW-2, intended to be located hydrologically upgradient and west of the South Monticello Campground Comfort Station.</li> <li>• MW-1, intended to be located hydrologically downgradient and east of the South Monticello Campground Comfort Station.</li> </ul> <p>Ground water sample collection, preservation, transport and analysis shall be performed according to the following procedure:</p> <ol style="list-style-type: none"> <li>a) Measure the depth-to-most-shallow ground water from the top of the well casing to the nearest hundredth of a foot.</li> <li>b) If there is measurable groundwater within the monitoring well, 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.</li> <li>e) Analyze samples in accordance with the methods authorized in this Discharge Permit.</li> </ol> <p>Depth-to-most-shallow ground water measurements, analytical results, including the laboratory QA/QC summary report, and a facility layout map showing the location and number of each well shall be submitted to NMED in the semi-annual monitoring reports.</p> <p>[Subsection A of 20.6.2.3107 NMAC]</p>

#	<b>Monitoring, Reporting, and Other Requirements</b>
24.	<p>The permittee shall estimate the monthly volume of wastewater discharged to the South Monticello Campground’s septic tank/leachfield disposal systems by recording meter readings from the Campground’s water supply well on a monthly basis and calculating the monthly and average daily usage volumes. The estimated monthly discharge volume* (based upon meter readings) shall be used to calculate the average daily discharge volume by the formula below.</p> <p>estimated monthly discharge volume ÷ number of days between readings = average daily discharge volume</p> <p>Each month, the permittee shall make note of any significant uses of the water (e.g., irrigation, evaporative cooling or leaks) that do not contribute to the volume of wastewater discharged.</p> <p>The monthly meter readings, estimated monthly and average daily discharge volumes, and notes and estimated volume of significant uses shall be submitted to NMED in the semi-annual monitoring reports.</p> <p>* Should more than one flow meter exist for the facility’s water supply, the permittee shall calculate the estimated monthly discharge volume for the facility by adding the estimated monthly discharge volume for each meter. This summation should be completed prior to calculating the average daily discharge volume for the facility.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection C and H of 20.6.2.3109 NMAC]</p>
25.	<p>The permittee shall sample wastewater on an annual basis for TKN, TDS and Cl. The wastewater sample shall be collected from one septic tank each year, rotating between the comfort station’s east and west septic tanks. Samples shall be properly prepared, preserved, transported and analyzed in accordance with the methods authorized in this Discharge Permit. Analytical results shall be submitted to NMED in the monitoring report due by February 1 of each year.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection C and H of 20.6.2.3109 NMAC]</p>

**C. CONTINGENCY PLAN**

**Part A. Applicable to All Parts**

#	<b>Contingency Conditions</b>
26.	<p>In the event that a release (commonly known as a “spill”) occurs that is not authorized under this Discharge Permit, 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.</p>

	<p>Within <u>24 hours</u> following discovery of the unauthorized discharge, the permittee shall verbally notify NMED and provide the following information:</p> <ol style="list-style-type: none"><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 with 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 corrective action report/plan to NMED describing any corrective actions taken and/or to be taken relative to the unauthorized discharge that includes the following:</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, the permittee may be required to abate water pollution pursuant to Sections 20.6.2.4000 through 20.6.2.4115 NMAC.</p> <p>Nothing in this condition shall be construed as relieving the permittee of the obligation to comply with all requirements of Section 20.6.2.1203 NMAC.</p> <p>[20.6.2.1203 NMAC]</p>
27.	<p>In the event that NMED or the permittee identifies any failures of the discharge plan or this Discharge Permit not specifically noted herein, NMED may require the permittee to submit a corrective action plan and a schedule for completion of corrective actions to address the failure(s). Additionally, NMED may require a Discharge Permit modification to achieve compliance with 20.6.2 NMAC.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection E of 20.6.2.3109 NMAC]</p>

**Part B. Applicable to the Rock Canyon Disposal Site**

#	Contingency Conditions
28.	<p>In the event that a ground water quality standard identified in Section 20.6.2.3103 NMAC is exceeded; the total nitrogen concentration in ground water is greater than 10 mg/L; or a toxic pollutant (defined in Subsection WW of 20.6.2.7 NMAC) is present in ground water during the term of this Discharge Permit, upon closure of the facility or during the implementation of post-closure requirements, the permittee shall propose measures to mitigate damage from the discharge including, at a minimum, source control measures and a completion schedule by submitting a corrective action plan to NMED for approval. The permittee may be required to abate water pollution pursuant to Sections 20.6.2.4000 through 20.6.2.4115 NMAC, should the corrective action plan 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.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection E of 20.6.2.3109 NMAC]</p>
29.	<p>In the event that inspection findings reveal significant damage likely to affect the structural integrity of the lined impoundment(s) or its ability to contain contaminants, the permittee shall propose the repair or replacement of the impoundment liner(s) by submitting a corrective action plan to NMED for approval. The plan shall be submitted to NMED within 30 days after discovery by the permittee or following notification from NMED that significant liner damage is evident. The corrective action plan shall include a schedule for completion of corrective actions and the permittee shall initiate implementation of the plan following approval by NMED.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]</p>
30.	<p>In the event that a minimum of two feet of freeboard cannot be preserved in the impoundment(s), the permittee shall take actions authorized by this Discharge Permit and all applicable local, state, and federal regulations to restore the required freeboard.</p> <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 be immediately implemented to restore two feet of freeboard by submitting a short-term corrective action plan to NMED for approval. Examples of short-term corrective actions include: removing excess wastewater from the impoundment through pumping and hauling; or reducing the volume of wastewater discharged to the impoundment. The plan shall include a schedule for completion of corrective actions and shall be submitted within 15 days following the date when the two feet of freeboard limit was initially discovered. The permittee shall initiate implementation of the plan following approval by NMED.</p>

	<p>In the event that the short-term corrective actions failed to restore two feet of freeboard, the permittee shall propose permanent corrective actions in a long-term corrective action plan submitted to NMED within 90 days following failure of the short-term corrective action plan. Examples include: the installation of an additional storage impoundment, or a significant/permanent reduction in the volume of wastewater discharged to the impoundment. The plan shall include a schedule for completion of corrective actions and implementation of the plan shall be initiated following approval by NMED.</p> <p>[Subsection A of 20.6.2.3107 NMAC]</p>
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**Part C. Applicable to the South Monticello Campground**

#	Contingency Conditions
31.	<p>In the event that ground water monitoring indicates that a ground water quality standard identified in Section 20.6.2.3103 NMAC is exceeded; the total nitrogen concentration in ground water is greater than 10 mg/L; or a toxic pollutant (defined in Subsection WW of 20.6.2.7 NMAC) is present in a ground water sample and in any subsequent ground water sample collected from a monitoring well required by this Discharge Permit, the permittee shall enact the following contingency plan:</p> <p>Within 60 days of the subsequent sample analysis date, the permittee shall propose measures to ensure that the exceedance of the standard or the presence of a toxic pollutant will be mitigated by submitting a corrective action plan to NMED for approval. The corrective action plan shall include a description of the proposed actions to control the source and an associated completion schedule. The plan shall be enacted as approved by NMED.</p> <p>Once invoked (whether during the term of this Discharge Permit; or after the term of this Discharge Permit and prior to the completion of the Discharge Permit closure plan requirements), this condition shall apply until the permittee has fulfilled the requirements of this condition and ground water monitoring confirms for a minimum of two years of consecutive ground water sampling events that the standards of Section 20.6.2.3103 NMAC are not exceeded and toxic pollutants are not present in ground water.</p> <p>The permittee may be required to abate water pollution pursuant to Sections 20.6.2.4000 through 20.6.2.4115 NMAC, should the corrective action plan not result in compliance with the standards and requirements set forth in Section 20.6.2.4103 NMAC within 180 days of confirmed ground water contamination.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection E of 20.6.2.3109 NMAC]</p>
32.	<p>In the event that information available to NMED indicates that a well(s) is not constructed in a manner consistent with the attachment titled <i>Ground Water Discharge Permit</i></p>

	<p><i>Monitoring Well Construction and Abandonment Conditions</i>, Revision 1.1, March 2011; contains insufficient water to effectively monitor ground water quality; or is not completed in a manner that is protective of ground water quality, the permittee shall install a replacement well(s) within 120 days following notification from NMED.</p> <p>Replacement well location(s) shall be approved by NMED prior to installation and completed in accordance with the attachment titled <i>Ground Water Discharge Permit Monitoring Well Construction and Abandonment Conditions</i>, Revision 1.1, March 2011. The permittee shall submit construction and lithologic logs to NMED within 60 days following well completion.</p> <p>Upon completion of the replacement monitoring well(s), the monitoring well(s) requiring replacement shall be properly plugged and abandoned. Well plugging, abandonment and documentation of the abandonment procedures shall be completed in accordance with the attachment titled <i>Ground Water Discharge Permit Monitoring Well Construction and Abandonment Conditions</i>, Revision 1.1, March 2011, and all applicable local, state, and federal regulations. The well abandonment documentation shall be submitted to NMED within 60 days of completion of well plugging activities.</p> <p>[Subsection A of 20.6.2.3107 NMAC]</p>
33.	<p>In the event that an inspection of the any leachfield reveals failure, the following contingency plan shall be enacted:</p> <ol style="list-style-type: none"><li>a) Within 24 hours following the discovered failure, the permittee shall implement the following measures:<ol style="list-style-type: none"><li>i) Notify NMED of the failure in accordance with the notification requirements described in the Contingency Plan for unauthorized discharges.</li><li>ii) Restrict public access to the area.</li></ol></li><li>b) The permittee shall conduct a physical inspection of the disposal system to identify additional potential failures.</li><li>c) The permittee shall propose actions to address the failure and methods of correction by submitting a corrective action plan to NMED for approval within 15 days following the discovered failure. The corrective action plan shall include a schedule for completion of corrective actions and the permittee shall initiate implementation of the plan following approval by NMED.</li></ol> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]</p>

**D. CLOSURE PLAN**

**Part A. Applicable to All Parts**

There are no specific closure conditions applicable to all parts

**Part B. Applicable to the Rock Canyon Disposal Site**

#	Closure Conditions
34.	<p>In the event the disposal site, or a component of the disposal site, is proposed to be permanently closed, upon ceasing discharging, the permittee shall perform the following closure measures:</p> <p>Within <u>60 days</u> of ceasing discharging to the wetland system and/or evaporative impoundments, the permittee shall perform the following closure measures:</p> <ol style="list-style-type: none"> <li>a) Plug or remove all lines leading from the wetland system’s septic tanks to the reed beds so that a discharge can no longer occur.</li> <li>b) Wastewater shall be pump from the septic tanks and shall be disposed of in accordance with all local, state and federal regulations.</li> <li>c) Wastewater shall be pumped or evaporated from the Reed Beds, Overflow Ponds and evaporative impoundments and shall be disposed of in accordance with all local, state and federal regulations.</li> </ol> <p>Within <u>90 days</u> of ceasing discharging to the wetland system and/or evaporative impoundments, the permittee shall submit a sludge/solids removal and disposal plan to NMED for approval. The permittee shall initiate implementation of the plan within 30 days following approval by NMED. The sludge/solids removal and disposal plan shall include the following:</p> <ol style="list-style-type: none"> <li>a) The estimated volume and dry weight of sludge from the wetland system to be removed and disposed, including measurements and calculations.</li> <li>b) Analytical results for samples of the sludge taken from the wetland system 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 of sludge <i>removal</i> from the impoundment wetland system.</li> <li>d) The method of <i>disposal</i> for all of the sludge (and its contents) removed from the wetland system. The method shall comply with all local, state and federal regulations, including 40 CFR Part 503.</li> <li>e) Disposal of solids from the evaporative impoundments, Reed Beds and Overflow Ponds in accordance with this Discharge Permit</li> <li>f) A schedule for completion of sludge/solids removal and disposal not to exceed one year from the date discharge to the disposal site ceased.</li> </ol> <p>Within <u>one year</u> following completion of the sludge/solids removal and disposal, the permittee shall complete the following closure measures:</p>

	<p>a) Perforate or remove the Reed Beds, Overflow Ponds and evaporative impoundments liners.</p> <p>b) Fill the Reed Beds, Overflow Ponds and evaporative impoundments with suitable fill.</p> <p>c) Remove or demolish the wetland system’s septic tanks.</p> <p>d) Re-grade the disposal site to blend with surface topography, promote positive drainage and prevent ponding.</p> <p>When all closure and post-closure requirements have been met, the permittee may submit a written request for termination of the Discharge Permit to NMED.</p> <p>[Subsection A of 20.6.2.3107 NMAC, 40 CFR Part 503]</p>
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**Part C. Applicable to the South Monticello Campground**

#	Closure Conditions
35.	<p>In the event the South Monticello Campground, or a component of the Campground, is proposed to be permanently closed, upon ceasing discharge, the permittee shall perform closure measures.</p> <p>Within <u>90 days</u> of ceasing discharge to the septic tank leachfield system(s), the permittee shall complete the following closure measures:</p> <p>a) Plug all lines leading to and from the closed system(s) so that a discharge can no longer occur.</p> <p>b) Wastewater and septage shall be pumped from the septic tanks and it shall be contained, transported, and disposed of in accordance with all local, state, and federal regulations, including 40 CFR Part 503. Wastewater and septage may be disposed at the Rock Canyon Disposal Site in accordance with this Discharge Permit if the site is to remain open. The permittee shall maintain a record of all wastes transported for off-site disposal.</p> <p>Within <u>180 days</u> of ceasing discharge to the septic tank leachfield system(s), the permittee shall complete the following closure measures:</p> <p>a) Remove all lines leading to and from the closed system(s) or permanently plug them and abandon them in place.</p> <p>b) Remove or demolish all closed septic tanks and re-grade the area with suitable fill to blend with surface topography to promote positive drainage and prevent ponding.</p> <p>The permittee shall continue ground water monitoring until the requirements of this condition have been met and ground water monitoring confirms for a minimum of two years of consecutive ground water sampling events that the standards of Section 20.6.2.3103 NMAC are not exceeded and toxic pollutants are not present in ground water.</p> <p>If monitoring results show that a ground water quality standard in Section 20.6.2.3103 NMAC is exceeded; the total nitrogen concentration in ground water is greater than 10</p>

	<p>mg/L; or a toxic pollutant (defined in Subsection WW of 20.6.2.7 NMAC) is present in ground water, the permittee shall implement the contingency plan required by this Discharge Permit.</p> <p>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 1.1, March 2011.</p> <p>When all closure and post-closure requirements have been met, the permittee may submit a written request for termination of the Discharge Permit to NMED.</p> <p>[Subsection A of 20.6.2.3107 NMAC, 40 CFR Part 503]</p>
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**E. GENERAL TERMS AND CONDITIONS**

#	Terms and Conditions
36.	<p><b>RECORD KEEPING</b> - The permittee shall maintain a written record of the following information:</p> <ul style="list-style-type: none"> <li>a) Information and data used to complete the application for this Discharge Permit.</li> <li>b) Records of any releases (commonly known as “spills”) not authorized under this Discharge Permit and reports submitted pursuant to 20.6.2.1203 NMAC.</li> <li>c) Records of the operation, maintenance, and repair of all facilities/equipment used to treat, store or dispose of wastewater.</li> <li>d) 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> <li>e) Copies of monitoring reports completed and/or submitted to NMED pursuant to this Discharge Permit.</li> <li>f) The volume of wastewater or other wastes discharged pursuant to this Discharge Permit.</li> <li>g) Ground water quality and wastewater quality data collected pursuant to this Discharge Permit.</li> <li>h) Copies of construction records (well log) for all ground water monitoring wells required to be sampled pursuant to this Discharge Permit.</li> <li>i) Records of the maintenance, repair, replacement or calibration of any monitoring equipment or flow measurement devices required by this Discharge Permit.</li> <li>j) 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: <ul style="list-style-type: none"> <li>i) The dates, location and times of sampling or field measurements;</li> <li>ii) The name and job title of the individuals who performed each sample collection or field measurement;</li> <li>iii) The sample analysis date of each sample;</li> </ul> </li> </ul>

#	Terms and Conditions
	<ul style="list-style-type: none"> <li>iv) The name and address of the laboratory, and the name of the signatory authority for the laboratory analysis;</li> <li>v) The analytical technique or method used to analyze each sample or collect each field measurement;</li> <li>vi) The results of each analysis or field measurement, including raw data;</li> <li>vii) The results of any split, spiked, duplicate or repeat sample; and</li> <li>viii) 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> <p>The written record shall be maintained by the permittee at a location accessible during a facility inspection by NMED for a period of at least five years from the date of application, report, collection or measurement and shall be made available to the department upon request.</p> <p>[Subsections A and D of 20.6.2.3107 NMAC]</p>
37.	<p><b>INSPECTION and ENTRY</b> – The permittee shall allow inspection by NMED of the facility and its operations which are subject to this Discharge Permit and the WQCC regulations. NMED may upon presentation of proper credentials, enter at reasonable times upon or through any premises in which a water contaminant source is located or in which are located any records required to be maintained by regulations of the federal government or the WQCC.</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>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 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>
38.	<p><b>DUTY to PROVIDE INFORMATION</b> - 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>
39.	<p><b>MODIFICATIONS and/or AMENDMENTS</b> – 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</p>

#	<b>Terms and Conditions</b>
	<p>NMED prior to implementing such changes. The permittee shall obtain approval (which may require modification of this Discharge Permit) by NMED 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>
40.	<p><b>PLANS and SPECIFICATIONS</b> – In the event the permittee is proposing 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 to NMED for the proposed system or process unit prior to the commencement of construction.</p> <p>In the event the permittee implements changes to the wastewater system authorized by this Discharge Permit which 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) as of January 1 and June 30 of each year to NMED.</p> <p>[Subsections A and C of 20.6.2.1202 NMAC, NMSA 1978, §§ 61-23-1 through 61-23-32]</p>
41.	<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.</p> <p>[20.6.2.1220 NMAC, NMSA 1978, §§ 74-6-10 and 74-6-10.1]</p>
42.	<p><b>CRIMINAL PENALTIES</b> – No person shall:</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> </ol>

#	Terms and Conditions
	<p>3) fail to monitor, sample or report as required by a permit issued pursuant to a state or federal law or regulation.</p> <p>Any person who knowingly violates or knowingly causes or allows another person to violate the requirements of this condition is guilty of a fourth degree felony and shall be sentenced in accordance with the provisions of NMSA 1978, § 31-18-15. Any person who is convicted of a second or subsequent violation of the requirements of this condition is guilty of a third degree felony and shall be sentenced in accordance with the provisions of NMSA 1978, § 31-18-15. Any person who knowingly violates the requirements of this condition or knowingly causes another person to violate the requirements of this condition and thereby causes a substantial adverse environmental impact is guilty of a third degree felony and shall be sentenced in accordance with the provisions of NMSA 1978, § 31-18-15. Any person who knowingly violates the requirements of this condition and knows at the time of the violation that he is creating a substantial danger of death or serious bodily injury to any other person is guilty of a second degree felony and shall be sentenced in accordance with the provisions of NMSA 1978, § 31-18-15.</p> <p>[20.6.2.1220 NMAC, NMSA 1978, §§ 74-6-10.2.A through 74-6-10.2.F]</p>
43.	<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 all applicable federal, state, and local laws, regulations, permits or orders.</p> <p>[NMSA 1978, § 74-6-5.L]</p>
44.	<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 to be raised and the relief sought. Unless a timely petition for review is made, 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>
45.	<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> <ol style="list-style-type: none"> <li>1) notify the proposed transferee in writing of the existence of this Discharge Permit;</li> <li>2) include a copy of this Discharge Permit with the notice; and</li> <li>3) 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.</li> </ol> <p>Until both ownership and possession of the facility have been transferred to the transferee, the permittee shall continue to be responsible for any discharge from the facility.</p> <p>[20.6.2.3111 NMAC]</p>

#	Terms and Conditions
46.	<p>PERMIT FEES - 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 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.</p> <p>Permit fees are associated with <u>issuance</u> of this Discharge Permit. Nothing in this Discharge Permit shall be construed 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. An approved Discharge Permit shall be suspended or terminated if the facility 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>

**V. PERMIT TERM & SIGNATURE**

EFFECTIVE DATE: [effective date]

TERM ENDS: [expiration date]

[Subsection H of 20.6.2.3109 NMAC, NMSA 1978, § 74-6-5.I]

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JERRY SCHOEPPNER  
Chief, Ground Water Quality Bureau  
New Mexico Environment Department