

GROUND WATER DISCHARGE PERMIT RENEWAL US Army Corps of Engineers-Cochiti Lake Project, DP-271

I. INTRODUCTION

The New Mexico Environment Department (NMED) issues this Discharge Permit Renewal (Discharge Permit), DP-271, to the US Army Corps of Engineers (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 US Army Corps of Engineers-Cochiti Lake Project (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.

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 24,678 gallons per day (gpd) of domestic wastewater from various campground restroom/shower facilities and a visitor center is discharged to numerous septic tank leachfield systems, an aerobic treatment unit, pumped for offsite disposal or transferred to the Town of Cochiti Wastewater Treatment Facility.

The discharge may contain water contaminants which exceed the standards of Section 20.6.2.3103 NMAC and/or may contain toxic pollutants as defined in Subsection WW of 20.6.2.7 NMAC. This Discharge Permit contains requirements intended to prevent the discharge from causing standards to be exceeded in ground water and/or the presence of toxic pollutants in ground water.

The facility is located approximately five miles north of Pena Blanca in Sections 5, 8, and 9, Township 16 North, Range 05 East, Sandoval County. Ground water most likely to be affected is at a depth of approximately 200-400 feet and has a total dissolved solids concentration of approximately 258 milligrams per liter.

The original Discharge Permit was issued on April 7, 1983 and subsequently renewed on December 30, 1987, renewed on February 26, 1993, renewed and modified on May 8, 1998 and renewed on January 25, 2005. The application (i.e., discharge plan) consists of the materials submitted by Rebecca Miner dated March 12, 2012 and materials contained in the administrative record prior to issuance of this Discharge Permit. The discharge as described in the discharge plan 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
CFR	Code of Federal Regulations	NO ₃ -N	nitrate-nitrogen
Cl	chloride	TDS	total dissolved solids
EPA	United States Environmental Protection Agency	TKN	total Kjeldahl nitrogen
gpd	gallons per day	total nitrogen	= TKN + NO ₃ -N
mg/L	milligrams per liter	UPC	Uniform Plumbing Code
mL	milliliters	WQA	New Mexico Water Quality Act
NMAC	New Mexico Administrative Code	WQCC	Water Quality Control Commission
NMED	New Mexico Environment Department	WWTF	Wastewater Treatment Facility
NMSA	New Mexico Statutes Annotated		

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

The permittee is authorized to discharge up to 24,678 gpd of domestic wastewater from various campground restroom/shower facilities and a visitor center at Cochiti Lake State Park to

numerous septic tank leachfield systems, an aerobic treatment unit, or transferred to the Town of Cochiti Wastewater Treatment Facility. Numerous vault toilets and associated holding tanks scattered throughout the park grounds are pumped and wastewater is disposed offsite in accordance with all local, state and federal regulations. The wastewater treatment systems consist of the following:

South Cochiti Lake Recreation Area

1. Administration, Maintenance Building, Visitor Center – wastewater is conveyed to (2)-2,000 gallon concrete tanks in parallel for treatment and discharged to four seepage pits.
2. Cochiti Lake Overlook Restrooms (Comfort Station) – wastewater is conveyed to a 4,000 gallon concrete tank for treatment and discharged to three seepage pits.
3. B-Loop Campground – wastewater from two sets of vault toilets is temporarily stored in (2)-400 gallon concrete holding tanks until pumped for off-site disposal in accordance with all local, state, and federal regulations. B-Loop Campground has an attended entrance gate building equipped with one restroom with wastewater conveyed to a 2,000 gallon concrete septic tank for treatment and discharged to a leachfield.
4. Juniper Loop Campground – consists of one set of vault toilets, a shower facility and an RV dump station
 - Wastewater from the shower facility is conveyed to a 2,000 gallon concrete septic tank for treatment. Treated and clarified wastewater flows to an aerobic treatment unit for additional treatment and is then discharged to a leachfield.
 - Wastewater from two sets of vault toilets is temporarily stored in (2)-400 gallon concrete holding tanks until pumped for off-site disposal in accordance with all local, state, and federal regulations.
 - RV wastewater is received and temporarily stored in a 1,000 gallon concrete holding tank until pumped for off-site disposal in accordance with all local, state, and federal regulations.
5. Cochiti Lake Lift Station
 - Up to 13,000 gpd of domestic wastewater from the Buffalo Grove Campground, the Ringtail Cat Loop Campground, Camping Entrance Station, RV Dump Station and a male/female restroom and shower facility is discharged to an aerated package treatment system. Treated wastewater flows into a lift station and is transferred to the Town of Cochiti WWTF.
6. Cochiti Boat Ramp – wastewater from two sets of vault toilets is temporarily stored in (2)-400 gallon concrete holding tanks until pumped for off-site disposal in accordance with all local, state, and federal regulations.
7. Cochiti Swim Beach and Day Use Area – wastewater from a set of vault toilets is temporarily stored in a 400 gallon concrete holding tank until pumped for off-site disposal in accordance with all local, state, and federal regulations.
8. Cochiti Playground Area – wastewater from a set of vault toilets is temporarily stored in a 400 gallon concrete holding tank until pumped for off-site disposal in accordance with all local, state, and federal regulations.

Tetilla Peak Recreation Area

1. Tetilla Peak Overlook Restroom (Comfort Station), Campground Restrooms and Showers – wastewater is conveyed to one square clarifier for treatment and discharged to (4)-90 foot infiltrator laterals. The square clarifier is located at the old treatment plant located one mile east of the campground.
2. Tetilla Peak RV Dump Station – RV wastewater is dumped and temporarily stored in a 2,000 gallon concrete holding tank until pumped for off-site disposal in accordance with all local, state, and federal regulations.
3. Tetilla Peak Camp Host – wastewater is conveyed to a 2,000 gallon concrete septic tank for treatment and discharged to a leachfield.
4. Tetilla Peak Boat Ramp – wastewater from a set of vault toilets is temporarily stored in a 400 gallon concrete holding tank until pumped for off-site disposal in accordance with all local, state, and federal regulations.
5. Santa Cruz Road – wastewater from six sets of vault toilets and two single use unisex toilets is temporarily stored in (8)-400 gallon concrete holding tanks until pumped for off-site disposal in accordance with all local, state, and federal regulations.

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

IV. CONDITIONS

The conditions of this Discharge Permit 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:

A. OPERATIONAL PLAN

#	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. [Subsection C of 20.6.2.3109 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, Subsection C of 20.6.2.3109 NMAC]
3.	Within 120 days following the effective date of this Discharge Permit (by DATE), the permittee shall provide access to the B-Loop Gate attendant building and Tetilla Peak Camp Host septic tanks by installing two 24-inch openings for each tank. The access openings shall be located above the inlet and outlet piping of the septic tanks to facilitate inspection of the tank’s interior, repair of the internal piping and removal of sludge and scum. The access openings shall be extended from the tank to at least three inches above

#	Terms and Conditions
	<p>the ground surface or as approved by NMED. The access openings shall have a secured lid to deter unauthorized access, but the lid shall remain above ground and unconcealed by dirt or pavement. A secure lid shall consist of one of the following: a padlock; a twist lock cover requiring special tools for removal; a cover weighing 58 pounds or more, net weight; or a stainless steel hinge and hasp mechanism. The permittee shall submit written confirmation of access-way installation, including photographic documentation, to NMED within 150 days of the effective date of this Discharge Permit (by DATE).</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109]</p>
4.	<p>Within 180 days following the effective date of this Discharge Permit (by DATE), the permittee shall conduct an inspection and test for water-tight construction on septic tanks that service the following:</p> <ol style="list-style-type: none"> 1. Administration/Visitor Building septic tank; 2. Cochiti Lake Overlook Comfort Station septic tank; 3. B-Loop campground septic tank; and 4. Tetilla Peak Camp Host septic tank. <p>The permittee shall also conduct an inspection and test for water-right construction on vault toilet holding tanks servicing the following:</p> <ol style="list-style-type: none"> 1. B-Loop campground holding tanks; 2. Cochiti Boat Ramp holding tanks; 3. Cochiti Swim Beach Day Use Area holding tanks; 4. Tetilla Peak Boat Ramp holding tanks; 5. The six sets of vault toilets on Santa Cruz Road; and 6. Juniper Loop Campground RV Dump Station holding tanks. <p>The inspections and tests shall be performed by a person holding a valid inspector certification issued by the National Association of Wastewater Transporters, Inc.; a New Mexico-licensed plumber; or a licensed New Mexico professional engineer.</p> <p>The inspection(s) shall be performed according to the following procedure:</p> <ol style="list-style-type: none"> a) The contents of the unit(s) shall be pumped and disposed of in accordance with all local, state, and federal regulations, including 40 CFR Part 503. b) The interior of the unit(s) shall be inspected to determine the construction material, interior dimensions and mechanical integrity. Inspection findings shall be recorded. c) The condition of the interior of the unit(s) shall be photographically documented while the unit(s) is empty. <p>Water-tightness testing shall be completed using one of the two following procedures:</p> <ol style="list-style-type: none"> 1) <u>Hydrostatic testing</u> shall be conducted using the following procedure. <ol style="list-style-type: none"> a) Plug the inlet and outlet piping of the unit(s). b) Fill the unit(s) with water to the normal operating level.

#	Terms and Conditions
	<p>c) Measure the water level. d) Allow the water to stand for 60 minutes without the addition of water. e) Measure the water level at the end of 60 minutes.</p> <p>A unit that does not allow a drop in water level of greater than 0.01 feet in 60 minutes is considered to be water-tight.</p> <p style="text-align: center;">- OR -</p> <p>2) <u>Vacuum testing</u> shall be conducted using the following procedure.</p> <p>a) Seal all openings to the unit(s). b) Apply a vacuum of 50 millimeters (mm) of mercury to the unit(s). c) Allow the unit(s) to stand for two minutes without the application of additional vacuum.</p> <p>A unit that maintains at least 90% of the vacuum (i.e., greater than 45 mm of mercury) after two minutes is considered to be water-tight.</p> <p>The permittee shall submit a report for each unit inspected/tested to NMED within 210 days of the effective date of this Discharge Permit (by date). The report shall include the date of the inspection/test, the name of the individual that conducted the test, written inspection findings, photographic documentation of the unit's interior and water-tightness test results.</p> <p>In the event that water-tightness testing reveals that a unit is not water-tight, or should inspection reveal damage to the unit(s) that could result in structural failure, the permittee shall notify NMED in the inspection/test report required above.</p> <p>The permittee shall enact the following corrective actions upon notification from NMED:</p> <p>a) Within 90 days following notification from NMED, repair or replace the unit(s). If notified to do so by NMED, the permittee shall submit plans and specifications for the proposed repair or replacement that bear the seal and signature of a licensed New Mexico professional engineer (pursuant to the New Mexico Engineering and Surveying Practice Act and the rules promulgated under that authority). The plans and specifications shall be submitted to NMED prior to construction for evaluation of compliance with the requirements of 20.6.2 NMAC.</p> <p>b) Within 30 days following repair or replacement of the unit(s), repeat the water-tightness testing to verify the effectiveness of the repair or replacement, and submit a report to NMED. The report shall include the date of the inspection/test, the name of the individual that performed the inspection/test, written inspection findings, photographic documentation of the unit's interior and water tightness test results. If notified to do so by NMED, the permittee shall also submit record drawings that bear the seal and signature of a licensed New Mexico professional engineer (pursuant to the New Mexico Engineering and Surveying Practice Act and the rules promulgated under</p>

#	Terms and Conditions
	<p>that authority) that include the final, construction details of the unit(s).</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]</p>
5.	<p>The permittee shall maintain access controls to all wastewater treatment and temporary storage components located throughout the park to prevent access by the general public and animals. Access controls 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>
6.	<p>The permittee shall properly manage all solids generated by each aerobic treatment system to maintain effective operation by removing solids as necessary in accordance with accepted process control methods. Solids removed from the treatment process shall be contained, transported, and disposed of in accordance with all local, state, and federal regulations.</p> <p>The permittee shall maintain manifests for all solids transported from the treatment facility for off-site disposal. The manifests shall identify the date, volume of solids removed and method of disposal.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]</p>
7.	<p>The permittee shall utilize operators, certified by the State of New Mexico at the appropriate level, to operate the aerobic treatment 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>

B. MONITORING AND REPORTING

#	Terms and Conditions
8.	<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>
9.	<p>METHODOLOGY – 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"> a) American Public Health Association, Standard Methods for the Examination of Water and Wastewater (18th, 19th or current) b) U.S. Environmental Protection Agency, Methods for Chemical Analysis of Water and Waste c) U.S. Geological Survey, Techniques for Water Resources Investigations of the U.S.

#	Terms and Conditions
	<p>Geological Survey</p> <p>d) American Society for Testing and Materials, Annual Book of ASTM Standards, Part 31. Water</p> <p>e) U.S. Geological Survey, et al., National Handbook of Recommended Methods for Water Data Acquisition</p> <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>
10.	<p>The permittee shall submit semi-annual monitoring reports to NMED for the most recently completed semi-annual period by the 1st of February and August 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"> • January 1st through June 30th (first half) – due by August 1st • July 1st through December 31st (second half) – due by February 1st <p>Monitoring requirements detailed in this Discharge Permit are summarized on the sheet titled <i>Cover Page for Discharge Permit Monitoring Reports</i>. The permittee shall complete and attach a copy of the enclosed <i>Cover Page for Discharge Permit Monitoring Reports</i> to each monitoring report submitted. NMED recommends that the permittee use the monitoring report form provided to compile and submit the monitoring data. The permittee shall provide copies of all laboratory reports with the monitoring reports.</p> <p>[Subsection A of 20.6.2.3107 NMAC]</p>
11.	<p>The permittee shall estimate the monthly volume of wastewater discharged to the South Cochiti Lake and Tetilla Peak wastewater systems by recording meter readings for the facility’s water supply 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 style="padding-left: 40px;">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-</p>

#	Terms and Conditions
	<p>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>
12.	<p>The permittee shall collect a wastewater sample from septic tanks servicing the Administration/Visitor Center, the Cochiti Lake Overlook Comfort Station, the B-Loop Campground, and the Tetilla Peak Camp Host on an annual basis and analyze the sample(s) for TKN, TDS and Cl. Additionally, the permittee shall collect a wastewater sample from the Juniper Loop campground aerobic treatment unit's final treatment process and from the square clarifier of the old WWTF on the Tetilla Peak side of the park on an annual basis and analyze the sample(s) for NO₃-N, TKN, 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 monitoring report due by August 1st of each year.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection C and H of 20.6.2.3109 NMAC]</p>
13.	<p>The permittee shall inspect all septic tank(s) semi-annually for the accumulation of scum and solids. In the event that the scum layer exceeds three inches or the settled solids occupy 50% or more of the tank volume, the contents of the tank(s) shall be pumped by a licensed hauler. The permittee shall maintain a record of solids removal and disposal, including date, volume of solids removed, and method of disposal (e.g., septic hauler). The records of solids removal and disposal (e.g., pumping invoices from a septic hauler) shall be submitted to NMED in the semi-annual monitoring reports.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]</p>
14.	<p>The permittee shall inspect all vault toilet and RV dump station holding tanks monthly to ensure that the tanks do not overflow. During heavy use events, to include at a minimum Memorial Day weekend, the 4th of July, and Labor day weekend, the permittee shall conduct inspections on a daily basis. The contents of the holding tanks shall be pumped as needed by a licensed hauler. The permittee shall maintain a record of solids removal and disposal, including date, volume of solids removed, and method of disposal. The records of solids removal and disposal (e.g., pumping invoices) shall be submitted to NMED in the semi-annual monitoring reports.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]</p>
15.	<p>Records of solids disposal, including the volume of solids removed from each aerobic treatment system, and copies of all manifests for the previous six months shall be submitted to NMED in the semi-annual monitoring reports.</p>

#	Terms and Conditions
	[Subsection A of 20.6.2.3107 NMAC]
16.	<p>The permittee shall inspect the 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>
17.	<p>The permittee shall visually inspect the area above each leachfield (disposal system) semi-annually to ensure proper maintenance. During heavy use events, to include at a minimum Memorial Day weekend, the 4th of July, and Labor day weekend, the permittee shall conduct inspections on a daily basis. 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>
18.	<p>The permittee shall log the number of occupied RV sites at each campground on a daily basis (one occupied site is equivalent to one “site-day”). Using the log(s), the permittee shall calculate the total number of “site-days” for each month. The total monthly “site-day” values shall be submitted in the semi-annual monitoring reports.</p> <p>[Subsection A of 20.6.2.3107 NMAC]</p>

C. CONTINGENCY PLAN

#	Terms and Conditions
19.	<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>

#	Terms and Conditions
	[Subsection A of 20.6.2.3107 NMAC, Subsection E of 20.6.2.3109 NMAC]
20.	<p>In the event that a release (commonly known as a “spill”) occurs that is not authorized under this Discharge Permit, or an inspection of the leachfield(s) or seepage pit(s) reveals failure, 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"> a) The name, address, and telephone number of the person or persons in charge of the facility, as well as of the owner and/or operator of the facility. b) The name and address of the facility. c) The date, time, location, and duration of the unauthorized discharge. d) The source and cause of unauthorized discharge. e) A description of the unauthorized discharge, including its estimated chemical composition. f) The estimated volume of the unauthorized discharge. g) Any actions taken to mitigate immediate damage from the unauthorized discharge. These actions may include, as appropriate: <ul style="list-style-type: none"> • restriction of public access to the area; • immediate actions to stop/reduce the unauthorized discharge or impacts from it; • disinfection of contaminated soil and other materials; and • physical inspection of the treatment and disposal system(s) to identify additional failures. <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"> a) A description of proposed actions to mitigate damage from the unauthorized discharge. b) A description of proposed actions to prevent future unauthorized discharges of this nature. c) A schedule for completion of proposed actions. <p>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, Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]</p>

#	Terms and Conditions
21.	<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>

D. CLOSURE PLAN

#	Terms and Conditions
22.	<p>In the event the facility, or a component of the facility, 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) (or closed system components) or WWTF, the permittee shall complete the following closure measures:</p> <ul style="list-style-type: none"> a) Plug all lines leading to and from the closed system(s) so that a discharge can no longer occur. b) Wastewater and septage shall be pumped from the system components (e.g., septic tanks, lift station) and it shall be contained, transported, and disposed of in accordance with all local, state, and federal regulations, including 40 CFR Part 503. The permittee shall maintain a record of all wastes transported for off-site disposal. c) Solids removed from the WWTF shall be contained, transported, and disposed of in accordance with all local, state, and federal regulations, including 40 CFR Part 503. The permittee shall maintain a record of all solids transported for off-site disposal. <p>Within <u>180 days</u> of ceasing discharge to the septic tank leachfield system(s) (or closed system components) or WWTF, the permittee shall complete the following closure measures:</p> <ul style="list-style-type: none"> a) Remove all lines leading to and from the closed system(s) and WWTF or permanently plug them and abandon them in place. b) Remove or demolish all closed septic tanks, holding tanks, lift station, and WWTF components (with the exception of leachfields) and re-grade the area with suitable fill to blend with surface topography to promote positive drainage and prevent ponding. <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>

E. GENERAL TERMS AND CONDITIONS

#	Terms and Conditions
23.	<p>RECORD KEEPING – The permittee shall maintain a written record of the following information:</p> <ul style="list-style-type: none"> a) Information and data used to complete the application for this Discharge Permit. 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. c) Records of the operation, maintenance, and repair of all facilities/equipment used to treat, store or dispose of wastewater. 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. e) Copies of monitoring reports completed and/or submitted to NMED pursuant to this Discharge Permit. f) The volume of wastewater or other wastes discharged pursuant to this Discharge Permit. g) Ground water quality and wastewater quality data collected pursuant to this Discharge Permit. h) Copies of construction records (well log) for all ground water monitoring wells required to be sampled pursuant to this Discharge Permit. i) Records of the maintenance, repair, replacement or calibration of any monitoring equipment or flow measurement devices required by this Discharge Permit. 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"> i) The dates, location and times of sampling or field measurements; ii) The name and job title of the individuals who performed each sample collection or field measurement; iii) The sample analysis date of each sample; iv) The name and address of the laboratory, and the name of the signatory authority for the laboratory analysis; v) The analytical technique or method used to analyze each sample or collect each field measurement; vi) The results of each analysis or field measurement, including raw data; vii) The results of any split, spiked, duplicate or repeat sample; and viii) A copy of the laboratory analysis chain-of-custody as well as a description of the quality assurance and quality control procedures used. <p>The 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>

#	Terms and Conditions
	[Subsections A and D of 20.6.2.3107 NMAC]
24.	<p>INSPECTION and ENTRY – 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>
25.	<p>DUTY to PROVIDE INFORMATION – The permittee shall, upon NMED’s request, allow 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>
26.	<p>MODIFICATIONS and/or AMENDMENTS – In the event the permittee proposes a change to the facility or the facility’s discharge that would result in a change in the volume discharged; the location of the discharge; or in the amount or character of water contaminants received, treated or discharged by the facility, the permittee shall notify NMED prior to implementing such changes. The permittee shall obtain 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>
27.	<p>PLANS and SPECIFICATIONS – 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</p>

#	Terms and Conditions
	<p>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]</p>
28.	<p>CIVIL PENALTIES – Any violation of the requirements and conditions of this Discharge Permit, including any failure to allow NMED staff to enter and inspect records or facilities, or any refusal or failure to provide NMED with records or information, may subject the permittee to a civil enforcement action. Pursuant to WQA 74-6-10(A) and (B), such action may include a compliance order requiring compliance immediately or in a specified time, assessing a civil penalty, modifying or terminating the Discharge Permit, or any combination of the foregoing; or an action in district court seeking injunctive relief, civil penalties, or both. Pursuant to WQA 74-6-10(C) and 74-6-10.1, civil penalties of up to \$15,000 per day of noncompliance may be assessed for each violation of the WQA 74-6-5, the WQCC Regulations, or this Discharge Permit, and civil penalties of up to \$10,000 per day of noncompliance may be assessed for each violation of any other provision of the WQA, or any regulation, standard, or order adopted pursuant to such other provision. In any action to enforce this Discharge Permit, the permittee waives any objection to the admissibility as evidence of any data generated pursuant to this Discharge Permit.</p> <p>[20.6.2.1220 NMAC, NMSA 1978, §§ 74-6-10 and 74-6-10.1]</p>
29.	<p>CRIMINAL PENALTIES – No person shall:</p> <ol style="list-style-type: none"> 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; 2) falsify, tamper with or render inaccurate any monitoring device, method or record required to be maintained under the WQA; or 3) fail to monitor, sample or report as required by a permit issued pursuant to a state or federal law or regulation. <p>Any person who knowingly violates or knowingly causes or allows another person to violate the requirements of this condition is guilty of a fourth degree felony and shall be sentenced in accordance with the provisions of NMSA 1978, § 31-18-15. Any person who is convicted of a second or subsequent violation of the requirements of this condition is guilty of a third degree felony and shall be sentenced in accordance with the provisions of NMSA 1978, § 31-18-15. Any person who knowingly violates the requirements of this condition or knowingly causes another person to violate the requirements of this condition and thereby causes a substantial adverse environmental impact is guilty of a third degree felony and shall be sentenced in accordance with the provisions of NMSA 1978, § 31-18-15. Any person who knowingly violates the requirements of this condition and knows at the time of the violation that he is creating a substantial danger of death or serious bodily injury to any other person is guilty of a second degree felony and shall be sentenced in accordance with the provisions of NMSA 1978, § 31-18-15.</p>

#	Terms and Conditions
	[20.6.2.1220 NMAC, NMSA 1978, §§ 74-6-10.2.A through 74-6-10.2.F]
30.	<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>
31.	<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>
32.	<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"> 1) notify the proposed transferee in writing of the existence of this Discharge Permit; 2) include a copy of this Discharge Permit with the notice; and 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. <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>
33.	<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: [date term ends]

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

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

draft