

GROUND WATER DISCHARGE PERMIT RENEWAL
Taos Country Club, DP-805

I. INTRODUCTION

The New Mexico Environment Department (NMED) issues this Discharge Permit Renewal (Discharge Permit), DP-805, to Taos Country Club (permittee) pursuant to the New Mexico Water Quality Act (WQA), NMSA 1978 §§74-6-1 through 74-6-17, and the New Mexico Water Quality Control Commission (WQCC) Regulations, 20.6.2 NMAC.

NMED's purpose in issuing this Discharge Permit, and in imposing the requirements and conditions specified herein, is to control the discharge of water contaminants from the Taos Country Club (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 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 750,000 gallons per day of reclaimed domestic wastewater from the Town of Taos Wastewater Treatment Facility (WWTF) is transferred to the Taos Country Club's synthetically lined storage lagoon. Reclaimed wastewater is used to irrigate 157 acres of golf course turf. In addition, up to 2,500 gallons per day of domestic wastewater from the clubhouse and maintenance shop is discharged to two individual septic tank/leachfield systems. The transfer of reclaimed wastewater from the Town of Taos WWTF is addressed in the Town's Discharge Permit, DP-232. The discharge contains water contaminants or toxic pollutants which may be elevated above the standards of Section 20.6.2.3103 NMAC. The facility is located at 54 Golf Course Drive, County Road 110, Ranchos de Taos, in Sections 33 and 34 (projected), Township 25 North, Range 12 East, Taos County. Ground water most likely to be affected is at a depth of approximately 168 feet and has a total dissolved solids concentration of approximately 270 milligrams per liter.

The original Discharge Permit was issued on July 11, 1991 and subsequently renewed and/or modified on October 30, 1997, June 4, 2001 and April 29, 2003. The permittee's application consists of the materials submitted by Stephen Natelson dated March 5, 2009. The discharge shall be managed in accordance with all conditions and requirements of this Discharge Permit.

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

advanced treatment system; lining/relining lagoons; and/or implementing abatement of water pollution.

Issuance of this Discharge Permit does not relieve the permittee of the responsibility to comply with the WQA, WQCC Regulations, and any other applicable federal, state and/or local laws and regulations, such as zoning requirements and nuisance ordinances.

The following abbreviations may be used in this Discharge Permit:

Abbreviation	Explanation	Abbreviation	Explanation
BOD ₅	biochemical oxygen demand (5-day)	NTU	nephelometric turbidity units
CFR	Code of Federal Regulations	Org	organisms
Cl	chloride	TDS	total dissolved solids
LADS	land application data sheet(s)	TKN	total Kjeldahl nitrogen
mg/L	milligrams per liter	total nitrogen	TKN+NO ₃ -N
mL	milliliters	TRC	Total Residual Chlorine
NMAC	New Mexico Administrative Code	TSS	total suspended solids
NMED	New Mexico Environment Department	WQA	New Mexico Water Quality Act
NMSA	New Mexico Statutes Annotated	WQCC	Water Quality Control Commission
NO ₃ -N	nitrate-nitrogen		

II. FINDINGS

In issuing this Discharge Permit, NMED finds:

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

III. CONDITIONS

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

OPERATIONAL PLAN

#	Terms and Conditions																								
1.	<p>The permittee shall implement the following operational plan to ensure compliance with Title 20, Chapter 6, Parts 1 and 2 NMAC. [20.6.2.3106.C NMAC, 20.6.2.3107 NMAC]</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. [20.6.2.3101 NMAC, 20.6.2.3103 NMAC]</p>																								
3.	<p>The permittee is authorized to receive up to 750,000 gallons per day of reclaimed domestic wastewater from the Town of Taos WWTF and store in the Country Club’s synthetically lined storage lagoon. Reclaimed wastewater is used to irrigate 157 acres of golf course turf. In addition, up to 2,500 gallons per day of domestic wastewater from the clubhouse and maintenance shop is discharged to two individual septic tank/leachfield systems. The transfer of reclaimed wastewater from the Town of Taos WWTF is addressed in the Town’s Discharge Permit, DP-232. [20.6.2.3104 NMAC, 20.6.2.3106 NMAC]</p>																								
4.	<p>Reclaimed wastewater received from the Town of Taos WWTF shall not exceed the following limitations:</p> <table border="1" data-bbox="295 978 1398 1251"> <thead> <tr> <th data-bbox="295 978 634 1052">Test</th> <th data-bbox="634 978 906 1052">30-day geometric mean</th> <th data-bbox="906 978 1133 1052">30-day average</th> <th data-bbox="1133 978 1398 1052">maximum</th> </tr> </thead> <tbody> <tr> <td data-bbox="295 1052 634 1094">Total Nitrogen:</td> <td data-bbox="634 1052 906 1094"></td> <td data-bbox="906 1052 1133 1094"></td> <td data-bbox="1133 1052 1398 1094">20 mg/L</td> </tr> <tr> <td data-bbox="295 1094 634 1136">Fecal coliform bacteria:</td> <td data-bbox="634 1094 906 1136">100 Org/100 mL</td> <td data-bbox="906 1094 1133 1136">N/A</td> <td data-bbox="1133 1094 1398 1136">200 Org/100 mL</td> </tr> <tr> <td data-bbox="295 1136 634 1178">BOD₅:</td> <td data-bbox="634 1136 906 1178">N/A</td> <td data-bbox="906 1136 1133 1178">30 mg/L</td> <td data-bbox="1133 1136 1398 1178">45 mg/L</td> </tr> <tr> <td data-bbox="295 1178 634 1220">TSS:</td> <td data-bbox="634 1178 906 1220">N/A</td> <td data-bbox="906 1178 1133 1220">30 mg/L</td> <td data-bbox="1133 1178 1398 1220">45 mg/L</td> </tr> <tr> <td data-bbox="295 1220 634 1262">UV Transmissivity:</td> <td data-bbox="634 1220 906 1262">N/A</td> <td data-bbox="906 1220 1133 1262">Monitor Only</td> <td data-bbox="1133 1220 1398 1262">Monitor Only</td> </tr> </tbody> </table> <p>All samples shall be collected following UV disinfection. [20.6.2.3109 NMAC]</p>	Test	30-day geometric mean	30-day average	maximum	Total Nitrogen:			20 mg/L	Fecal coliform bacteria:	100 Org/100 mL	N/A	200 Org/100 mL	BOD ₅ :	N/A	30 mg/L	45 mg/L	TSS:	N/A	30 mg/L	45 mg/L	UV Transmissivity:	N/A	Monitor Only	Monitor Only
Test	30-day geometric mean	30-day average	maximum																						
Total Nitrogen:			20 mg/L																						
Fecal coliform bacteria:	100 Org/100 mL	N/A	200 Org/100 mL																						
BOD ₅ :	N/A	30 mg/L	45 mg/L																						
TSS:	N/A	30 mg/L	45 mg/L																						
UV Transmissivity:	N/A	Monitor Only	Monitor Only																						
5.	<p>Within 90 days of the effective date of this Discharge Permit (by date), the permittee shall install a grease interceptor sized and designed according to Uniform Plumbing Code (UPC) specifications to accommodate the discharge from the clubhouse kitchen. The sizing of the grease interceptor shall be approved by NMED prior to installation. As-built drawings of the grease interceptor shall be submitted to NMED within 30 days of completion. [20.6.2.3109 NMAC]</p>																								
6.	<p>Within 30 days of the effective date of this Discharge Permit (by date), the permittee shall post signs in English and Spanish at the synthetically lined storage lagoon and at the entrance to each hole on the golf course. The signs shall state:</p> <p style="text-align: center;">NOTICE: THIS AREA IS IRRIGATED WITH RECLAIMED WASTEWATER DO NOT DRINK.</p> <p style="text-align: center;">AVISO:</p>																								

	<p style="text-align: center;">ESTA ÁREA ESTÁ REGADA CON AGUAS NEGRAS RECOBRADAS NO TOMAR.</p> <p>Alternate wording and/or graphics may be submitted for NMED approval. [20.6.2.3107 NMAC, 20.6.2.3109 NMAC]</p>
<p>7.</p>	<p>The lagoon liner shall be maintained in such a manner as to avoid conditions which could affect the structural integrity of the lagoon and/or lagoon liner. Such conditions include, but are not limited to:</p> <ul style="list-style-type: none"> • Erosion damage; • Animal activity/damage; • The presence of vegetation, such as; aquatic plants, weeds, woody shrubs or trees growing within five feet of the lagoon edge or within the lagoon itself; • Evidence of seepage; • Evidence of berm subsidence; and/or • The presence of large pieces or large quantities of debris in the lagoon. <p>The permittee shall visually inspect the lagoon and surrounding berms on a monthly basis to ensure proper maintenance. Vegetation growing around the lagoon shall be routinely controlled by mechanical removal in a manner that is protective of the lagoon liner. Any evidence of damage to the lagoon berm or liner shall be reported to NMED immediately upon discovery. [20.6.2.3107 NMAC]</p>
<p>8.</p>	<p>The permittee shall maintain a minimum of two feet of freeboard between the liquid level in the lagoon and the top elevation of the lagoon liner at all times. [20.6.2.3107 NMAC, 20.6.2.3109 NMAC]</p>
<p>9.</p>	<p>The permittee shall meet the following general requirements for above ground use of reclaimed domestic wastewater:</p> <ol style="list-style-type: none"> a) The permittee shall maintain signs in English and Spanish at above ground areas receiving reclaimed wastewater. All signs shall remain visible and legible for the term of this Discharge Permit. b) The reclaimed wastewater systems shall have no direct or indirect cross connections with potable water systems pursuant to the latest revision of the New Mexico Plumbing and Mechanical Code. c) Above ground use of reclaimed wastewater shall not result in excessive standing or pooling of wastewater, and shall be applied at the appropriate consumptive water use rate. Irrigation shall not be conducted at times when the receiving area is saturated or frozen. d) The discharge of reclaimed wastewater shall be confined to the area designated and approved for receiving the wastewater. e) All water supply wells within 200 feet of a wetted irrigation area shall have adequate well head construction and irrigation shall be managed to ensure protection of ground water quality. f) All existing accessible portions of the reclaimed wastewater system shall be colored purple or clearly labeled as being part of a reclaimed wastewater distribution system. All piping, valves and outlets that are installed during the term of this Discharge Permit shall be color-coded in purple pursuant to the latest revision of the New Mexico Plumbing and Mechanical Code to differentiate piping or fixtures used to convey

	reclaimed wastewater from piping or fixtures used for potable or other water. All valves, outlets, and sprinkler heads used in reclaimed wastewater systems shall be of a type that can only be operated by authorized personnel. [20.6.2.3109 NMAC]
10.	The permittee shall meet the following setbacks, access restrictions and equipment requirements for spray irrigation using Class 1B reclaimed domestic wastewater: a) A minimum 100-foot set-back shall be maintained between any dwellings or occupied establishments and the edge of any area receiving reclaimed wastewater. b) In areas where the 100-foot set-back distance cannot be met to dwellings or occupied establishments, the permittee shall irrigate the areas by hand watering or discontinue irrigation. c) Irrigation shall be postponed at times when windy conditions may result in drift of reclaimed wastewater outside the designated area of application. d) Whenever reclaimed wastewater is used in areas with public access it shall be applied at times and in a manner that minimizes public contact. e) The spray irrigation system shall utilize only low trajectory spray nozzles. [20.6.2.3109 NMAC]

MONITORING, REPORTING, AND OTHER REQUIREMENTS

#	Terms and Conditions
11.	The permittee shall conduct the following monitoring, reporting, and other requirements listed below. [20.6.2.3107 NMAC]
12.	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: 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. Geological Survey; d) American Society for Testing and Materials, Annual Book of ASTM Standards, Part 31. Water; e) U.S. Geological Survey, et al., National Handbook of Recommended Methods for Water Data Acquisition; or f) Methods of Soil Analysis: Part 1. Physical and Mineralogical Methods and Part 2. Chemical and Microbiological Properties, American Society of Agronomy. [20.6.2.3107.B NMAC]
13.	The permittee shall submit quarterly monitoring reports to NMED for the most recently completed quarterly period by the 1 st of February, May, August and November each year. Quarterly monitoring shall be performed during the following periods: • January 1 st through March 31 st (first quarter) – due by May 1st ;

	<ul style="list-style-type: none"> • April 1st through June 30th (second quarter) – due by August 1st; • July 1st through September 30th (third quarter) – due by November 1st; and • October 1st through December 31st (fourth quarter) – due by February 1st. <p>Monitoring requirements detailed in this Discharge Permit are summarized on the sheet titled <i>Summary of Required Actions, Monitoring and Reporting</i>. [20.6.2.3107 NMAC]</p>
14.	<p>The permittee shall record the monthly volume of reclaimed wastewater received from the Town of Taos WWTF using a totalizing flow meter installed on the transfer pipeline prior to discharging into the storage lagoon. The monthly meter readings and monthly discharge volumes shall be submitted to NMED in the quarterly monitoring reports. The flow meter shall be calibrated to within +/- 10% of actual flow and kept operational at all times. [20.6.2.3107 NMAC, 20.6.2.3109 NMAC]</p>
15.	<p>The permittee shall measure and record all discharges from the storage lagoon to the golf course using a totalizing flow meter on the transfer line between the storage lagoon and the golf course on a daily basis. Daily totalized meter readings including units of measurement, calculations, and daily discharge volumes shall be submitted to NMED in the quarterly monitoring report. The flow meter shall be calibrated to +/- 10% of actual flows and shall be kept operational at all times. [20.6.2.3107.A(1) NMAC, 20.6.2.3109.C(3) NMAC]</p>
16.	<p>The permittee shall estimate the volume of wastewater discharged monthly to the septic tank/leachfield systems by recording the monthly meter readings for the facility's water supply and calculating the monthly water usage. The permittee shall make note of any significant uses of the water during each month, such as irrigation or evaporative cooling, that do not contribute to the wastewater treatment system. The monthly meter readings, calculated water usage, notes and estimated volume of wastewater discharged shall be submitted to NMED in the quarterly monitoring reports. The water supply meter shall be kept operational at all times. [20.6.2.3107.A(1) NMAC, 20.6.2.3109.H(1) NMAC]</p>
17.	<p>Within 90 days of the effective date of this Discharge Permit (by date), the permittee shall install three new monitoring wells. The permittee shall install:</p> <ul style="list-style-type: none"> • One monitoring well (MW-1) hydrologically upgradient of the golf course, • One monitoring well (MW-2) located 20 to 50 feet hydrologically downgradient of the synthetically lined storage lagoon, and • One monitoring well (MW-3) located 20 to 50 feet hydrologically downgradient of the leachfield disposal area for the clubhouse. <p>All monitoring well locations shall be approved by NMED prior to installation. The wells shall be completed in accordance with the attachment titled <i>Ground Water Discharge Permit Monitoring Well Construction and Abandonment Conditions</i>, Revision 1.0, July 2008 (copy enclosed). Construction and lithologic logs shall be submitted to NMED within 30 days of well completion. [20.6.2.3107 NMAC]</p>
18.	<p>Following well development and no more than five days after installation of the new</p>

	<p>monitoring wells required by this Discharge Permit, the permittee shall sample ground water in the new wells and analyze the samples for NO₃-N, TKN, Cl, and TDS. The permittee shall sample:</p> <ul style="list-style-type: none"> • MW-1, intended to be located hydrologically upgradient of the golf course; • MW-2, intended to be located 20 to 50 feet hydrologically downgradient of the synthetically lined storage lagoon; and • MW-3, intended to be located 20 to 50 feet hydrologically downgradient of the leachfield disposal area for the clubhouse. <p>Ground water sample collection, preservation, transport and analysis shall be performed according to the following procedure:</p> <ol style="list-style-type: none"> a) measure the depth-to-ground water from the top of well casing to the nearest hundredth of a foot; b) purge three well volumes of water from the well prior to sample collection; c) obtain samples from the well for analysis; d) properly prepare, preserve and transport samples; and e) analyze samples in accordance with the methods authorized in this Discharge Permit. <p>Depth-to-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 within 45 days of the installation of the monitoring wells. [20.6.2.3107 NMAC]</p>
19.	<p>Within 120 days of the effective date of this Discharge Permit (by date), the permittee shall survey all wells approved by NMED for Discharge Permit monitoring purposes to a U.S. Geological Survey (USGS) or other permanent benchmark. Survey data shall include northing, easting and elevation to the nearest hundredth of a foot or in accordance with the "Minimum Standards for Surveying in New Mexico" (12.8.2 NMAC). A survey elevation shall be established at the top-of-casing, with a permanent marking indicating the point of survey. The survey shall be completed and certified by a licensed New Mexico professional surveyor. Depth-to-water shall be measured to the nearest hundredth of a foot in all surveyed wells, and the data shall be used to develop a map showing the location of all monitoring wells and the direction and gradient of ground water flow at the facility. The data and map of ground water flow direction at the facility shall be submitted to NMED within 30 days of survey completion. [20.6.2.3107 NMAC]</p>
20.	<p>The permittee shall perform quarterly ground water sampling in three monitoring wells and analyze the samples for NO₃-N, TKN, Cl, and TDS. The permittee shall sample:</p> <ul style="list-style-type: none"> • MW-1, intended to be located hydrologically upgradient of the golf course; • MW-2, intended to be located 20 to 50 feet hydrologically downgradient of the synthetically lined storage lagoon; and • MW-3, intended to be located 20 to 50 feet hydrologically downgradient of the leachfield disposal area for the clubhouse. <p>Ground water sample collection, preservation, transport and analysis shall be performed according to the following procedure:</p>

	<p>a) measure the depth-to-ground water from the top of well casing to the nearest hundredth of a foot;</p> <p>b) purge three well volumes of water from the well prior to sample collection;</p> <p>c) obtain samples from the well for analysis;</p> <p>d) properly prepare, preserve and transport samples; and</p> <p>e) analyze samples in accordance with the methods authorized in this Discharge Permit.</p> <p>Depth-to-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 quarterly monitoring reports. [20.6.2.3107 NMAC]</p>
21.	<p>Once prior to the expiration date of this Discharge Permit, NMED shall have the option to require the permittee to temporarily remove the dedicated pump (if so equipped) from each monitoring well to provide access for a complete well inspection by NMED personnel. NMED shall establish the inspection date and provide at least 60 days notice to the permittee by certified mail. Dedicated pumps shall be removed at least 48 hours prior to NMED inspection to allow adequate settling time for sediment agitated from pump removal. [20.6.2.3107 NMAC]</p>
22.	<p>The permittee shall develop a ground water elevation contour map on a quarterly basis using the monitoring well survey data and quarterly depth-to-water measurements required by this Discharge Permit. The ground water elevation contour map shall depict the ground water flow direction based on the ground water elevation contours. The data and ground water elevation contour maps shall be submitted to NMED in the quarterly monitoring reports. [20.6.2.3107 NMAC]</p>
23.	<p>The permittee shall sample wastewater from each septic tank serving the clubhouse and maintenance shop on an annual basis for TKN, TDS, and Cl. Analytical results shall be submitted to NMED in the monitoring report due by August 1st. [20.6.2.3107 NMAC]</p>
24.	<p>The permittee shall complete Land Application Data Sheets (LADS) quarterly that document the amount of nitrogen in reclaimed wastewater applied to the golf course. The LADS (copy enclosed) shall reflect the nitrogen concentration from the most recent wastewater analysis from the Town of Taos WWTF, as required by DP-232, and the volume of reclaimed wastewater applied. The LADS or a statement that no land application occurred shall be submitted to NMED in the quarterly monitoring reports. [20.6.2.3107 NMAC]</p>
25.	<p>The permittee shall keep a log of all additional fertilizer applied to the golf course. The log shall contain the date of fertilizer application, the type of nutrient applied per acre, nutrient concentration of the fertilizer, and the amount of fertilizer applied to each field. A summary of the log entries shall be submitted to NMED in the quarterly monitoring reports. [20.6.2.3107 NMAC]</p>
26.	<p>The permittee shall inspect the grease interceptor that serves the clubhouse kitchen on a quarterly basis and pump it as frequently as necessary to maintain functionality. A copy of</p>

	the inspection records and pumping invoices shall be submitted to NMED in the quarterly monitoring reports. [20.6.2.3109 NMAC]
27.	The permittee shall inspect the septic tanks 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% of the tank(s) or more, the contents of the tank(s) shall be pumped by a licensed hauler. The inspection and pumping records shall be submitted to NMED in the monitoring reports due by May 1 st and November 1 st each year. [20.6.2.3107 NMAC]
28.	The permittee shall visually inspect the soil surface above the leachfield(s) semi-annually to ensure proper maintenance. Any conditions that indicate damage to the leachfield(s) 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 on-site of the inspection findings and repairs made. [20.6.2.3107 NMAC]

CONTINGENCY PLAN

#	Terms and Conditions
29.	In the event that monitoring indicates ground water standards are violated during the term of this Discharge Permit, upon closure of the facility or during post-closure monitoring, the permittee shall collect a confirmatory sample from the monitoring well within 15 days to confirm the initial sampling results. Within 15 days of confirmation of ground water contamination, the permittee shall submit to NMED a corrective action plan that proposes measures to mitigate damage from the discharge including, at a minimum, source control measures and an implementation schedule. The permittee may be required to abate water pollution pursuant to Sections 20.6.2.4000 through 20.6.2.4115 NMAC, if the corrective action plan will not result in compliance with the standards and requirements set forth in Section 20.6.2.4103 NMAC within 180 days of confirmation of ground water contamination. [20.6.2.1203 NMAC, 20.6.2.4105.A(8) NMAC]
30.	In the event of a spill or release that is not authorized under this Discharge Permit, the permittee shall initiate the notifications and corrective actions as required in Section 20.6.2.1203 NMAC. The permittee shall take immediate corrective action to contain and remove or mitigate the damage caused by the discharge. Within 24 hours after discovery of the discharge, the permittee shall verbally notify NMED and provide the information required by Paragraph (1) of Subsection A of 20.6.2.1203 NMAC. Within 7 days of discovering the discharge, the permittee shall submit a written report to NMED verifying the oral notification and providing any additional information or changes. The permittee shall submit a corrective action report within 15 days after discovery of the discharge. [20.6.2.1203 NMAC]
31.	In the event that information available to NMED indicates that a well(s) is not appropriately constructed to effectively monitor ground water quality, contains insufficient water to allow the collection of representative ground water samples, or is not completed in a manner that is protective of ground water quality, the permittee shall install a replacement

	<p>well(s) within 90 days of notification from NMED. 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 1.0, July 2008. Construction and lithologic logs shall be submitted to NMED within 30 days of well completion.</p> <p>Upon completion of the replacement monitoring well(s), the monitoring well(s) requiring replacement shall be properly plugged and abandoned. The well(s) shall be plugged and abandoned in accordance with the abandonment details in the attachment titled <i>Ground Water Discharge Permit Monitoring Well Construction and Abandonment Conditions</i>, Revision 1.0, July 2008, and any applicable local, state, and federal regulations. Documentation describing the plugging and abandonment procedures, including photographic documentation, shall be submitted to NMED within 30 days of completed well abandonment. [20.6.2.3107 NMAC]</p>
32.	<p>In the event that ground water flow information obtained pursuant to this Discharge Permit indicates that a monitoring well(s) was not installed hydrologically downgradient of the intended discharge location(s), the permittee shall install a replacement well(s) within 90 days of notification from NMED. The 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 1.0, July 2008. Construction and lithologic logs shall be submitted to NMED within 30 days of well completion. [20.6.2.3107 NMAC]</p>
33.	<p>In the event that LADS show that the amount of nitrogen in reclaimed wastewater applied exceeds 200 pounds per acre per year, the permittee shall submit a corrective action plan for the reduction of nitrogen loading to the golf course. The plan shall be submitted to NMED for approval within 90 days of the end of the monitoring period in which the exceedance occurred. The corrective action plan shall be implemented within 30 days of NMED approval. [20.6.2.3107.A(10) NMAC]</p>
34.	<p>In the event that a minimum of two feet of freeboard cannot be maintained in the lagoons at all times, the permittee shall submit a corrective action plan for NMED approval within 30 days of the date when the two feet of freeboard limit was initially exceeded. [20.6.2.3107 NMAC, 20.6.2.3109 NMAC]</p>
35.	<p>In the event that inspection findings reveal significant damage likely to affect the ability of the lined lagoons to contain contaminants, the permittee shall submit a corrective action plan for the repair or replacement of the lagoon liners to NMED for approval within 30 days of discovery by the permittee or following notification from NMED that significant liner damage is evident. [20.6.2.3107 NMAC, 20.6.2.3109 NMAC]</p>
36.	<p>In the event that an inspection of the leachfield reveals failure, the permittee shall enact the following contingency plan:</p> <ol style="list-style-type: none"> a) Within 24 hours of the discovered failure, the permittee shall: <ul style="list-style-type: none"> • restrict public access to the area;

	<ul style="list-style-type: none"> • take immediate actions to stop/reduce the system failure or impacts from it; • disinfect contaminated soil and other materials; and • notify NMED of the failure including information on which system failed, the size/volume of the discharge resulting from the failure, and the immediate actions taken <p>b) The permittee shall conduct a physical inspection of the treatment and disposal system(s) to identify additional failures.</p> <p>c) Within 1 week of the discovered failure, the permittee shall submit written notification to NMED of the information obtained for a) and b) above in addition to the following:</p> <ul style="list-style-type: none"> • The names, addresses, and phone numbers of the person in charge of the facility and the owner/operator; • The name and address of the facility; • The date, time, specific location, and duration of the discharge • The source and the cause of the discharge; • The estimated volume of the discharge; and • All actions taken to mitigate the immediate damage from the discharge since the failure began. <p>d) The permittee shall submit a corrective action plan for NMED approval to address the failure and propose methods of correction. The corrective action plan shall be submitted within 15 days of the discovered failure and shall be implemented immediately upon NMED approval.</p> <p>[20.6.2.1203 NMAC, 20.6.2.3107 NMAC, 20.6.2.3109 NMAC]</p>
37.	<p>In the event NMED or the permittee identifies any other failures of the Discharge Permit or system not specifically noted herein, NMED may require the permittee to develop for NMED approval contingency plans and schedules to cope with the failures.</p> <p>[20.6.2.3107.A(10) NMAC]</p>

CLOSURE PLAN

#	Terms and Conditions
38.	<p>Upon closure of the facility, the permittee shall perform the following closure measures:</p> <ul style="list-style-type: none"> a) Complete the installation of all monitoring wells as required by this Discharge Permit. b) Remove or plug all lines leading to the storage lagoon, land application area, and septic tank/leachfield systems so that a discharge can no longer occur. c) Drain and/or evaporate all liquids from all treatment/storage units and dispose of all sludge in accordance with all local, state, and federal (40 CFR Part 503) regulations. d) Remove or demolish all tanks and re-grade area with clean fill to blend with surface topography and prevent ponding. e) Perforate or remove the synthetic liner in the storage lagoon and re-grade the lagoon with clean fill to blend with surface topography and prevent ponding. f) Continue ground water monitoring as required by this Discharge Permit for two years

	<p>after closure to confirm the absence of ground water contamination. If monitoring results show that the ground water standards in Section 20.6.2.3103 NMAC are being violated, the permittee shall implement the contingency plan required by this Discharge Permit.</p> <p>g) Following notification from NMED that post-closure monitoring may cease, the permittee shall plug and abandon the monitoring well(s) in accordance with the attachment titled <i>Ground Water Discharge Permit Monitoring Well Construction and Abandonment Conditions</i>, Revision 1.0, July 2008.</p> <p>When all post-closure requirements have been met, the permittee may request to terminate the Discharge Permit.</p> <p>[20.6.2.3107.A(11) NMAC]</p>
--	--

GENERAL TERMS AND CONDITIONS

#	Terms and Conditions
39.	<p>RECORD KEEPING - The permittee shall maintain at its facility a written record of all data and information related to field measurements, sampling, and analysis conducted pursuant to this Discharge Permit. The following information shall be recorded and shall be made available to NMED upon request:</p> <ul style="list-style-type: none"> a) The dates, exact place and times of sampling or field measurements; b) The name and job title of the individuals who performed each sample collection or field measurement; c) The date of the analysis of each sample; d) The name and address of the laboratory and the name and job title of the person that performed the analysis of each sample; e) The analytical technique or method used to analyze each sample or take each field measurement; f) The results of each analysis or field measurement, including raw data; g) The results of any split sampling, spikes or repeat sampling; and h) A description of the quality assurance and quality control procedures used. <p>[20.6.2.3107.A NMAC]</p>
40.	<p>RECORD KEEPING - The permittee shall maintain a written record of any spills, seeps, and/or leaks of effluent, and of leachate and/or process fluids not authorized by this Discharge Permit.</p> <p>[20.6.2.3107.A NMAC]</p>
41.	<p>RECORD KEEPING - The permittee shall maintain a written record of the operation, maintenance, and repair of all facilities/equipment used to treat, store or dispose of wastewater; to measure flow rates, to monitor water quality, or to collect other data required by this Discharge Permit. This record shall include repair, replacement or calibration of any monitoring equipment and repair or replacement of any equipment used in the permittee's waste or wastewater treatment and disposal system.</p> <p>[20.6.2.3107.A NMAC]</p>
42.	<p>RECORD KEEPING - The permittee shall maintain a written record of the amount of wastewater, effluent, leachate or other wastes discharged pursuant to this Discharge Permit.</p> <p>[20.6.2.3107.A NMAC]</p>

43.	<p>RECORD KEEPING - The permittee shall retain records of all monitoring information, including all calibration and maintenance records, copies of all reports required by this Discharge Permit, and records of all data used to complete the application for this Discharge Permit for a period of at least five years from the date of the sample collection, measurement, report or application. This period may be extended by request of the Secretary at any time.</p> <p>[20.6.2.3107.A NMAC]</p>
44.	<p>INSPECTION and ENTRY - The permittee shall allow the Secretary or an authorized representative, upon the presentation of credentials, to:</p> <ol style="list-style-type: none"> Enter at regular business hours or at other reasonable times upon the permittee's premises or other location where records must be kept under the conditions of this Discharge Permit, or under any federal or WQCC regulation. Inspect and copy, during regular business hours or at other reasonable times, any records required to be kept under the conditions of this Discharge Permit, or under any federal or WQCC regulation. Inspect, at regular business hours or at other reasonable times, any facility, equipment (including monitoring and control equipment or treatment works), practices or operations regulated or required under this Discharge Permit, or under any federal or WQCC regulation. Sample or monitor, at reasonable times for the purpose of assuring compliance with this Discharge Permit or as otherwise authorized by the WQA, any effluent, water contaminant, or receiving water at any location before or after discharge. <p>[20.6.2.3107.D NMAC, 74-6-9(B) & (E) WQA]</p>
45.	<p>INSPECTION and ENTRY - Nothing in this Discharge Permit shall be construed as limiting in any way the inspection and entry authority of NMED under the WQA, the WQCC Regulations, or any other applicable law or regulation.</p> <p>[20.6.2.3107 NMAC, 74-6-9(B) & (E) WQA]</p>
46.	<p>DUTY to PROVIDE INFORMATION - The permittee shall furnish to NMED, within a reasonable time, any documents or other information which it may request to determine whether cause exists for modifying, terminating and/or renewing this Discharge Permit or to determine compliance with this Discharge Permit. The permittee shall also furnish to NMED, upon request, copies of documents required to be kept by this Discharge Permit.</p> <p>[20.6.2.3107.D NMAC, 74-6-9(B) & (E) WQA]</p>
47.	<p>SPIILLS, LEAKS, and OTHER UNAUTHORIZED DISCHARGES - This Discharge Permit authorizes only those discharges specified herein. Any unauthorized discharges violate Section 20.6.2.3104 NMAC and must be reported to NMED and remediated as required by Section 20.6.2.1203 NMAC.</p> <p>[20.6.2.1203 NMAC]</p>
48.	<p>MODIFICATIONS and/or AMENDMENTS - The permittee shall notify NMED of any changes to the permittee's wastewater treatment and disposal system, including any changes in the wastewater flow rate or the volume of wastewater storage, or of any other changes to operations or processes that would result in any significant change in the discharge of water contaminants. The permittee shall obtain NMED's approval, as a modification to this Discharge Permit pursuant to Subsections E, F, or G of 20.6.2.3109 NMAC, prior to any increase in the quantity discharged, or any increase in the</p>

	<p>concentration of water contaminants discharged, above those levels approved in this Discharge Permit.</p> <p>[20.6.2.3107.C NMAC]</p>
49.	<p>PLANS and SPECIFICATIONS - The permittee shall file plans and specifications with NMED for the construction of a wastewater system and for proposed changes that will change substantially the quantity or quality of the discharge from the system. The permittee shall file plans and specifications prior to the commencement of construction. Changes to the wastewater system having a minor effect on the character of the discharge shall be reported as of January 1 and June 30 of each year to NMED.</p> <p>[20.6.2.1202 NMAC]</p>
50.	<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>[74-6-10 WQA, 74-6-10.1 WQA]</p>
51.	<p>CRIMINAL PENALTIES – Any person who knowingly violates or knowingly causes or allows another person to:</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, is subject to felony charges and shall be sentenced in accordance with the provisions of Section 31-18-15 NMSA 1978. <p>[74-6-10.2(A-F) WQA]</p>
52.	<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>[20.6.2 NMAC]</p>
53.	<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 (30) days of the receipt of this Discharge Permit. Unless a timely petition for review is made, the decision of NMED shall be final and not subject to judicial review.</p> <p>[74-6-5(O) WQA]</p>

54.	TRANSFER of DISCHARGE PERMIT - Prior to the transfer of any ownership, control, or possession of this permitted facility or any portion thereof, the permittee shall notify the proposed transferee in writing of the existence of this Discharge Permit and include a copy of this Discharge Permit with the notice. The permittee shall deliver or send by certified mail to NMED a copy of the notification and proof that such notification has been received by the proposed transferee. [20.6.2.3111 NMAC]
55.	TERM - Pursuant to WQA 74-6-5(I) and Subsection H of 20.6.2.3109 NMAC, the term of this Discharge Permit is five years from its effective date. To renew this Discharge Permit, the permittee must submit an application for renewal at least 180 days before the termination date. [20.6.2.3109.H NMAC, 74-6-5(I) WQA]
56.	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. An approved Discharge Permit shall be suspended or terminated if the facility fails to remit an installment payment by its due date. [20.6.2.3114.F NMAC, 74-6-5(K) WQA]

EFFECTIVE DATE: **effective date**
EXPIRATION DATE: **expiration date**

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