FACTSHEET
(pursuant to NAC 445A.236)

Permittee Name: BENTLY RANCH

1089 STOCKYARD ROAD
MINDEN, NV 89423

Permit Number: NS2009507

Permit Type: GROUNDWATER DISCHARGE

Designation: GROUNDWATER

New/Existing: EXISTING

Location: BENTLY RANCH MIDDLE RANCH, DOUGLAS
1089 STOCKYARD ROAD, MINDEN, NV 89423
LATITUDE: 38.963889, LONGITUDE: -119.681667
TOWNSHIP: 13 N, RANGE: 20 E, SECTION: 2-4, 9-11, 15-17, 21, 23, 26-28

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Latitude	Longitude	Receiving Water
001	EFFLUENT FROM DOUGLAS COUNTY SID	External Outfall		38.9630	-119.6810	GROUNDWATER
002	EFFLUENT FROM DOUGLAS COUNTY SID - EMERGENCY TAKE-OUT	External Outfall		38.9630	-119.6810	GROUNDWATER
003	EFFLUENT FROM MINDEN-GARDNERVILLE WASTEWATER TREATMENT FACILITY	External Outfall		38.9630	-119.6810	GROUNDWATER
005	MONITORING WELL - MW #1	Monitoring Well		38.98379253	-119.751397	GROUNDWATER
006	MONITORING WELL - MW #2	Monitoring Well		38.97609655	-119.751551	GROUNDWATER
007	MONITORING WELL - MW #4	Monitoring Well		38.96735984	-119.705331	GROUNDWATER
008	MONITORING WELL - MW #5	Monitoring Well		38.99003598	-119.714064	GROUNDWATER
009	MONITORING WELL - MW #6	Monitoring Well		39.01271124	-119.709596	GROUNDWATER
010	MONITORING WELL - MW #7	Monitoring Well		39.01959191	-119.742138	GROUNDWATER
011	MONITORING WELL - MW #8	Monitoring Well		38.99080360	-119.741543	GROUNDWATER
012	MONITORING WELL - BR #1	Monitoring Well		38.9630	-119.6810	GROUNDWATER
013	SUM OF ALL EFFLUENT FLOWS (001, 002, 003, 04A & 04B)	External Outfall		38.9630	-119.6810	GROUNDWATER
04A	EFFLUENT FROM MINDEN-GARDNERVILLE WASTEWATER TREATMENT FACILITY - EMERGENCY TAKE-OUT STRUCTURE #1	External Outfall		38.9630	-119.6810	GROUNDWATER
04B	EFFLUENT FROM MINDEN-GARDNERVILLE WASTEWATER TREATMENT FACILITY- EMERGENCY TAKE-OUT STRUCTURE #2	External Outfall		38.9630	-119.6810	GROUNDWATER

Permit History/Description of Proposed Action
The Permittee, Bently Middle Ranch has applied for a permit renewal of the existing reclaimed water reuse permit NS2009507, for the use of treated effluent for flood and sprinkler irrigation of 3,504 acres.

This permit was first issued on September 30, 2009. The most recent permit was issued on June 13, 2017, and expired on June 12, 2022; the permit has been administratively continued since.

Facility Overview

Bently Middle Ranch, located at 1089 Stockyard Road in Minden, Douglas County, Nevada is authorized to receive Category C bacteriological quality reclaimed water per Nevada Administrative Code (NAC) 445A.2766 from Douglas County Lake Tahoe Sewer Authority (DCLTSA) NS0080033 and Minden-Gardnerville Wastewater Treatment Facility (MGWWTF) NS0040027 for irrigation of approximately 3,504 acres of crops including wheat, rye, barley, hops, and oats. Irrigation of the 3,504 acres is conducted in accordance with the Reclaimed Water Management Plan (RWMP), as approved by the Nevada Division of Environmental Protection, Bureau of Water Pollution Control (BWPC). Secondary treated and disinfected effluent supplied by DCLTSA and MGWWTF is sent to the Bently storage reservoir and emergency take-out structure located on Stockyard Road in Douglas County; "emergency take-out structure" refers to a method for controlled emergency release of excess water to prevent the catastrophic failure of the main dam. The reclaimed water is combined in the storage reservoir, and supplemented with potable water from wells on site as needed for flood and sprinkler irrigation.

Outfall Summary

Outfall 001: Reclaimed water from DCLTSA: This outfall is metered for flow rate, and sampled for Fecal Coliform, and Nitrogen.

Outfall 002: Reclaimed water from DCLTSA- Emergency Take-out: This outfall is metered for flow rate, and Nitrogen.

Outfall 003: Reclaimed water from MGWWTF: This outfall is metered for flow rate, sampled for Fecal Coliform, and Nitrogen.

Outfall 005: Monitoring Well MW-1: This well is located down gradient of the fields and monitored quarterly for the following: Depth to water, Chloride, Nitrogen, and TDS.

Outfall 006: Monitoring Well MW-2: This well is located down gradient of the fields and monitored quarterly for the following: Depth to water, Chloride, Nitrogen, and TDS.

Outfall 007: Monitoring Well MW-4: This well is located up gradient of the fields and monitored quarterly for the following: Depth to water, Chloride, Nitrogen, and TDS.

Outfall 008: Monitoring Well MW-5: This well is located up gradient of the fields and monitored quarterly for the following: Depth to water, Chloride, Nitrogen, and TDS.

Outfall 009: Monitoring Well MW-6: This well is located up gradient of the fields and monitored quarterly for the following: Depth to water, Chloride, Nitrogen, and TDS.

Outfall 010: Monitoring Well MW-7: This well is located down gradient of the fields and monitored quarterly for the following: Depth to water, Chloride, Nitrogen, and TDS.

Outfall 011: Monitoring Well MW-8: This well is located down gradient of the fields and monitored quarterly for the following: Depth to water, Chloride, Nitrogen, and TDS.

Outfall 012: Monitoring Well BR-1: This well is located down gradient of the fields and monitored quarterly for the following: Depth to water, Chloride, Nitrogen, and TDS.

Outfall 013: Sum of all reclaimed water flows (001, 002, 003, 04A & 04B): This outfall is monitored for Nitrogen.

Outfall 04A: Reclaimed water from MGWWTF Take-Out Structure 1: This outfall is metered for flow rate and Nitrogen.

Outfall 04B: Reclaimed water from MGWWTF Take-Out Structure 2: This outfall is metered for flow rate and Nitrogen.

Effluent Characterization

The effluent treatment is conducted off-site at the DCLTSA and MGWWTF, delivering Category C bacteriological quality (NAC 445A.2766) reclaimed water to Bently Middle Ranch. Being Category C, the reclaimed water should meet, at a minimum, a daily maximum fecal coliform concentration of 240 colony forming units (CFU) per 100 mL, and a 30-day geometric mean of 23 CFU per 100mL. There will be no treatment of the reclaimed water on site. The permittee is authorized to discharge 8.83 million gallons per day (Mgal/d), or 7,427 acre-feet in a year. The averages for the reported values for the 2019-2024 reporting period are listed below:

Outfall 001: Reclaimed water from DCLTSA:
Coliform: 1.96 CFU 30-day geometric mean
Coliform: 6.58 CFU long term average Daily Max
Nitrogen: 16.81 mg/L
30 Day Average Flow: 0.98 Mgal/d
Daily Average Maximum Flow: 1.47 Mgal/d

Outfall 002: Reclaimed water from DCLTSA- Emergency Take-out
Nitrogen: No Discharge
30 Day Average Flow: No Discharge
Daily Average Maximum Flow: No Discharge

Outfall 003: Reclaimed water from MGWWTF
Coliform: 10.56 CFU 30-day geometric mean
Coliform: 26.19 CFU long term average Daily Max
Nitrogen: 11.72 mg/L
30 Day Average Flow: 2.25 Mgal/d
Daily Average Maximum Flow: 2.25 Mgal/d

Outfall 005: Monitoring Well MW-1
Depth to water: 17.38’
Chloride: 161.21mg/L
Nitrogen: 3.55mg/L
TDS: 708.33mg/L

Outfall 006: Monitoring Well MW-2
Depth to water: 17.04’
Chloride: 208.57 mg/L
Nitrogen: 3.98 mg/L
TDS: 955.65 mg/L

Outfall 007: Monitoring Well MW-4
Depth to water: 73.79’
Chloride: 5.23 mg/L
Nitrogen: 0.72 mg/L
TDS: 176.25 mg/L

Outfall 008: Monitoring Well MW-5
Depth to water: 67.17’
Chloride: 4.45 mg/L

Nitrogen: 0.75 mg/L
TDS: 175.42 mg/L

Outfall 009: Monitoring Well MW-6
Depth to water: 114’
Chloride: 10.08 mg/L
Nitrogen: 0.61 mg/L
TDS: 236.25 mg/L

Outfall 010: Monitoring Well MW-7
Depth to water: 29.83’
Chloride: 73.93 mg/L
Nitrogen: 6.51 mg/L
TDS: 431.46 mg/L

Outfall 011: Monitoring Well MW-8
Depth to water: 17’
Chloride: 4.74 mg/L
Nitrogen: 0.76 mg/L
TDS: 186.67 mg/L

Outfall 012: Monitoring Well BR-1
Depth to water: 89.61’
Chloride: 50.92 mg/L
Nitrogen: 2.07mg/L
TDS: 456.21 mg/L

Outfall 013: Sum of all reclaimed water flows (001, 002, 003, 04A & 04B):
Nitrogen Annual Mass Loading: 120.74 pounds per year

Outfall 04A: Reclaimed water from MGWWTF Take-Out Structure 2
Nitrogen: 13.45 mg/L
30 Day Average Flow: 0.90 Mgal/d
Daily Average Maximum Flow: 0.90 Mgal/d

Outfall 04B: Reclaimed water from MGWWTF Take-Out Structure 2
Nitrogen: 13.42 mg/L
30 Day Average Flow: 1.28 Mgal/d
Daily Average Maximum Flow: 1.28 Mgal/d

Pollutants of Concern
Pollutants of concern are any pollutants or parameters that are believed to be present in the discharge and could affect the physical, chemical, or biological condition of the receiving water. Common pollutants of concern for reclaimed water are fecal coliform and total nitrogen.

Receiving Water
The water used for irrigation is discharged to groundwater of the State. The groundwater is 9-113 feet below the ground surface and generally flows from southeast to northwest and is monitored by 8 monitoring wells.

Compliance History
The Permittee is incompliance with the permit.

Proposed Effluent Limitations
The facility will be limited and monitored in accordance with the tables below.

Groundwater Monitoring Wells Table for Sample Location 005 (Monitoring Well - Mw #1) To Be Reported Quarterly

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Water level relative to mean sea level[1]	Daily Maximum	M&R Feet (ft)		Groundwater	005	Quarterly	CALCTD
Depth to water level ft below landsurface[2]	Daily Minimum	M&R Feet (ft)		Groundwater	005	Quarterly	VISUAL
Nitrogen, total	Daily Maximum		<= 10 Milligrams per Liter (mg/L)	Groundwater	005	Quarterly	DISCRT
Chloride (as Cl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	005	Quarterly	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	005	Quarterly	DISCRT

Notes (Groundwater Monitoring Wells Table):

1. Groundwater elevation above mean sea level (AMSL).
2. Depth to groundwater.

Groundwater Monitoring Wells Table for Sample Location 006 (Monitoring Well - Mw #2) To Be Reported Quarterly

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Water level relative to mean sea level[1]	Daily Maximum	M&R Feet (ft)		Groundwater	006	Quarterly	CALCTD
Depth to water level ft below landsurface[2]	Daily Minimum	M&R Feet (ft)		Groundwater	006	Quarterly	VISUAL
Nitrogen, total	Daily Maximum		<= 10 Milligrams per Liter (mg/L)	Groundwater	006	Quarterly	DISCRT
Chloride (as Cl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	006	Quarterly	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	006	Quarterly	DISCRT

Notes (Groundwater Monitoring Wells Table):

1. Groundwater elevation above mean sea level (AMSL).
2. Depth to groundwater.

Groundwater Monitoring Wells Table for Sample Location 007 (Monitoring Well - Mw #4) To Be Reported Quarterly

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Water level relative to mean sea level[1]	Daily Maximum	M&R Feet (ft)		Groundwater	007	Quarterly	CALCTD
Depth to water level ft below landsurface[2]	Daily Minimum	M&R Feet (ft)		Groundwater	007	Quarterly	VISUAL
Nitrogen, total	Daily Maximum		<= 10 Milligrams per Liter (mg/L)	Groundwater	007	Quarterly	DISCRT
Chloride (as Cl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	007	Quarterly	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	007	Quarterly	DISCRT

Notes (Groundwater Monitoring Wells Table):

1. Groundwater elevation above mean sea level (AMSL).
2. Depth to groundwater.

Groundwater Monitoring Wells Table for Sample Location 008 (Monitoring Well - Mw #5) To Be Reported Quarterly

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Water level relative to mean sea level[1]	Daily Maximum	M&R Feet (ft)		Groundwater	008	Quarterly	CALCTD
Depth to water level ft below landsurface[2]	Daily Minimum	M&R Feet (ft)		Groundwater	008	Quarterly	VISUAL
Nitrogen, total	Daily Maximum		<= 10 Milligrams per Liter (mg/L)	Groundwater	008	Quarterly	DISCRT
Chloride (as Cl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	008	Quarterly	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	008	Quarterly	DISCRT

Notes (Groundwater Monitoring Wells Table):

1. Groundwater elevation above mean sea level (AMSL).
2. Depth to groundwater.

Groundwater Monitoring Wells Table for Sample Location 009 (Monitoring Well - Mw #6) To Be Reported Quarterly

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Nitrogen, total	Daily Maximum		<= 10 Milligrams per Liter (mg/L)	Groundwater	009	Quarterly	DISCRT
Chloride (as Cl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	009	Quarterly	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	009	Quarterly	DISCRT
Water level relative to mean sea level[1]	Daily Maximum	M&R Feet (ft)		Groundwater	009	Quarterly	CALCTD
Depth to water level ft below landsurface[2]	Daily Minimum	M&R Feet (ft)		Groundwater	009	Quarterly	VISUAL

Notes (Groundwater Monitoring Wells Table):

1. Groundwater elevation above mean sea level (AMSL).
2. Depth to groundwater.

Groundwater Monitoring Wells Table for Sample Location 010 (Monitoring Well - Mw #7) To Be Reported Quarterly

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Water level relative to mean sea level[1]	Daily Maximum	M&R Feet (ft)		Groundwater	010	Quarterly	CALCTD
Depth to water level ft below landsurface[2]	Daily Minimum	M&R Feet (ft)		Groundwater	010	Quarterly	VISUAL
Nitrogen, total	Daily Maximum		<= 10 Milligrams per Liter (mg/L)	Groundwater	010	Quarterly	DISCRT
Chloride (as Cl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	010	Quarterly	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	010	Quarterly	DISCRT

Notes (Groundwater Monitoring Wells Table):

1. Groundwater elevation above mean sea level (AMSL).
2. Depth to groundwater.

Groundwater Monitoring Wells Table for Sample Location 011 (Monitoring Well - Mw #8) To Be Reported Quarterly

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Water level relative to mean sea level[1]	Daily Maximum	M&R Feet (ft)		Groundwater	011	Quarterly	CALCTD
Depth to water level ft below landsurface[2]	Daily Minimum	M&R Feet (ft)		Groundwater	011	Quarterly	VISUAL
Nitrogen, total	Daily Maximum		<= 10 Milligrams per Liter (mg/L)	Groundwater	011	Quarterly	DISCRT
Chloride (as Cl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	011	Quarterly	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	011	Quarterly	DISCRT

Notes (Groundwater Monitoring Wells Table):

1. Groundwater elevation above mean sea level (AMSL).
2. Depth to groundwater.

Groundwater Monitoring Wells Table for Sample Location 012 (Monitoring Well - Br #1) To Be Reported Quarterly

	Discharge Limitations			Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Nitrogen, total	Daily Maximum		<= 10 Milligrams per Liter (mg/L)	Groundwater	012	Quarterly	DISCRT
Chloride (as Cl)	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	012	Quarterly	DISCRT
Solids, total dissolved	Daily Maximum		M&R Milligrams per Liter (mg/L)	Groundwater	012	Quarterly	DISCRT
Water level relative to mean sea level[1]	Daily Maximum	M&R Feet (ft)		Groundwater	012	Quarterly	CALCTD
Depth to water level ft below landsurface[2]	Daily Minimum	M&R Feet (ft)		Groundwater	012	Quarterly	VISUAL

Notes (Groundwater Monitoring Wells Table):

1. Groundwater elevation above mean sea level (AMSL).
2. Depth to groundwater.

Re-use Discharge Limitations Table for Sample Location 001 (External Outfall - Dcltsa) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Flow rate	Daily Maximum	<= 3.5 Million Gallons per Day (Mgal/d)		Prior to Reuse[1]	001	Continuous	METER
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse[1]	001	Continuous	METER
Nitrogen, total	Daily Maximum		M&R Milligrams per Liter (mg/L)	Prior to Reuse	001	Monthly	DISCRT
Coliform, fecal general[3]	Daily Maximum		<= 240 Colony Forming Units per 100ml T (CFU/100mL)[2]	Prior to Reuse	001	Weekly	DISCRT
Coliform, fecal general[3]	30 Day Geometric Mean		<= 23 Colony Forming Units per 100ml T (CFU/100mL)[2]	Prior to Reuse	001	Weekly	DISCRT

Notes (Re-use Discharge Limitations Table):

1. DCLTSA flowmeter on the pipeline to the Bently reservoir.
2. CFU or MPN/100 mL.
3. Sample results may be obtained from the wastewater treatment plant.

Re-use Discharge Limitations Table for Sample Location 002 (External Outfall - Dcltsa) Emergency Take-Out) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Nitrogen, total	Daily Maximum		M&R Milligrams per Liter (mg/L)	Prior to Reuse	002	Monthly	DISCRT
Flow rate	Daily Maximum	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	002	Continuous	METER
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	002	Continuous	METER

Re-use Discharge Limitations Table for Sample Location 003 (External Outfall - Mgwwtf) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Nitrogen, total	Daily Maximum		M&R Milligrams per Liter (mg/L)	Prior to Reuse	003	Monthly	DISCRT
Coliform, fecal general[3]	Daily Maximum		<= 240 Colony Forming Units per 100ml T (CFU/100mL)[2]	Prior to Reuse	003	Weekly	DISCRT
Coliform, fecal general[3]	30 Day Geometric Mean		<= 23 Colony Forming Units per 100ml T (CFU/100mL)[2]	Prior to Reuse	003	Weekly	DISCRT
Flow rate	Daily Maximum	<= 5.8 Million Gallons per Day (Mgal/d)		Prior to Reuse[1]	003	Continuous	METER
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse[1]	003	Continuous	METER

Notes (Re-use Discharge Limitations Table):

1. MGWWTF flowmeter on the pipeline to the Bently reservoir.
2. CFU or MPN/100 mL.
3. Sample results may be obtained from the wastewater treatment plant.

Re-use Discharge Limitations Table for Sample Location 013 (External Outfall - Sum Of Outfalls 001, 002, 003, 04A & 04B) To Be Reported Annually[1]

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Nitrogen, total	Annual Mass Loading	M&R Pounds per Year (lb/yr)[2]		Prior to Reuse	013	Annual	CALCTD
Flow rate	Daily Maximum	<= 8.83 Million Gallons per Day (Mgal/d)		Prior to Reuse	013	Continuous	METER
Flow rate	30 Day Average	<= 8.83 Million Gallons per Day (Mgal/d)		Prior to Reuse	013	Continuous	METER

Notes (Re-use Discharge Limitations Table):

1. To be reported as pounds per acre per year (lbs/acre/year), refer to Page 20 of WTS1B: General Criteria for Preparing a Reclaimed Water Management Plan. This formula is below: lbs. Nitrogen / acre / year = (MGD Effluent Irrigated) x (Ave. Effluent Nitrogen, mg/l) x (8.34) x (365 days / year) ÷ (Acres Irrigated)
2. Report the percentage of nitrogen uptake. Refer to Technical Sheets WTS1B: General Criteria for Preparing a Reclaimed Water Management Plan and WTS1C Nutrient Management for Reuse & Biosolids Sites.

Re-use Discharge Limitations Table for Sample Location 04A (External Outfall - Mgwwtf Emergency Take-Out #1) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Nitrogen, total	Daily Maximum		M&R Milligrams per Liter (mg/L)	Prior to Reuse	04A	Monthly	DISCRT
Flow rate	Daily Maximum	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	04A	Continuous	METER
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	04A	Continuous	METER

Re-use Discharge Limitations Table for Sample Location 04B (External Outfall - Mgwwtf Emergency Take-Out #2) To Be Reported Monthly

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Nitrogen, total	Daily Maximum		M&R Milligrams per Liter (mg/L)	Prior to Reuse	04B	Monthly	DISCRT
Flow rate	Daily Maximum	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	04B	Continuous	METER
Flow rate	30 Day Average	M&R Million Gallons per Day (Mgal/d)		Prior to Reuse	04B	Continuous	METER

Summary of Changes From Previous Permit
There are no substantial changes to this permit from its previous version.

Technology Based Effluent Limitations
Technology based effluent limitations are not applicable on this permit.

Water Quality Based Effluent Limitations
Water quality-based effluent limitations are not applicable to this permit.

Proposed Water Quality Based Effluent Limits (monthly/weekly/daily)
Water quality-based limitations are not applicable to this permit.

Basis for Effluent Limitations
The flow is limited to 8.83 Mgal/d at the request of the Permittee and per the contracts with DCLTSA (3.83 Mgal/d) and MGWWTF (5 Mgal/d).

Fecal coliform is monitored to assess the quality of the reclaimed water and for the protection of human health and the environment.

Limits on the total nitrogen discharge is to regulate and monitor the amount of nitrogen potentially entering the groundwater supply.

Anti-backsliding
None of the proposed permit limits were changed to a less restrictive limit compared to those in the previous permit.

Antidegradation
The Division has developed an antidegradation regulation that is applied on a statewide basis, and which meets the statutory requirements of Nevada's water pollution control law found at Nevada Revised Statute (NRS) 445A.520 and NRS 445A.565 and is consistent with the federal antidegradation policy found at Title 40 in the Code of Federal Regulations (CFR) § 131.12. The objective of the Division's antidegradation regulation is to prevent degradation of Nevada's surface waters and maintain the unique attributes and

special characteristics and water quality associated with high-quality waters.

As this permit is for discharges to groundwater, and not surface water, the new antidegradation rule is not applicable. There are currently no specific water quality standards that have been formally adopted by the State for groundwater; however, data reviewed during the renewal process does not indicate the potential for degradation of the groundwater from the reclaimed water discharged within the compliance limits of the proposed permit.

Special Conditions
There are no Special Approvals / Conditions associated with the permit.

SA – Special Approvals / Conditions Table

There are no Special Approval / Condition items

Discharges From Future Outfalls/ Planned Facility Changes
This Permittee does not anticipate changes to the outfalls or to the facilities.

Corrective Action Sites
There are no Bureau of Corrective Actions remediation sites located within one mile of the permitted facility.

Wellhead Protection Program
The discharge is located near several Public Water Supply (PWS) wells. The irrigation area is partly within a 10-year Wellhead Protected area and is partly within a Drinking Water Protection Area defined by a 3,000-foot radius around a PWS well. The discharge is not expected to negatively impact groundwater quality.

Schedule of Compliance:

SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	The Permittee shall submit two (2) copies of an updated Reclaimed Water Management Plan (RWMP) for review and approval by the Division. The RWMP shall be compiled in accordance with NDEP guidance document WTS-1B, General Design Criteria for Preparing an Effluent Management Plan, here in also referred to as RWMP. The RWMP shall be prepared and stamped by a Nevada Registered Professional Engineer, or other qualified person with comprehensive knowledge of the project.	9/1/2027

Deliverable Schedule:

DLV– Deliverable Schedule for Reports, Plans, and Other Submittals

Item #	Description	Interval	First Scheduled Due Date
1	Quarterly DMRs	Quarterly	1/28/2026
2	Annual Report	Annually	1/28/2026

Procedures for Public Comment:

The Notice of the Division's intent to issue a permit authorizing the facility to discharge to groundwater of the State of Nevada subject to the conditions contained within the permit, is being mailed to interested persons on our mailing list and will be posted on our website at https://ndep.nv.gov/posts. Anyone wishing to comment on the proposed permit can do so in writing until 5:00 P.M. **12/19/2025,** a period of 30 days following the date of the public notice. The comment period can be extended at the discretion of the Administrator.

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, the Regional Administrator of EPA Region IX or any interested agency, person or group of persons. The request must be filed within the comment period and must indicate the interest of the person filing the request and the reasons why a hearing is warranted. Any public hearing determined by the Administrator to be held must be conducted in the geographical area of the proposed discharge or any other area the Administrator determined to be appropriate. All public hearings must be conducted in accordance with NAC 445A.238.

The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.605.

Proposed Determination:

The Division has made the tentative determination to issue/re-issue the proposed 5-year permit.

Prepared by: **Jason Reichelt**
Date: **11/18/2025**
Title: **Environmental Scientist 3**