FACTSHEET
(pursuant to NAC 445A.236)

Permittee Name: MCCARTHY BUILDING COMPANIES,INC

3721 DOUGLAS BLVD, SUITE 180
ROSEVILLE, CA 95661

Permit Number: NS2025522

Permit Type: GROUNDWATER DISCHARGE

Designation: GROUNDWATER

New/Existing: NEW

Location: VANTAGE DATA CENTERS NV11, LLC, STOREY
100 ELECTRIC AVE, SPARKS, NV 89437
LATITUDE: 39.55228710, LONGITUDE: -119.483388
TOWNSHIP: T19N, RANGE: R22E, SECTION: S01N

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Latitude	Longitude	Receiving Water
001	WATER STAND	Land Application Site		39.55228710	-119.483388	GROUNDWATER

Permit History/Description of Proposed Action
The Permittee, McCarthy Building Companies, Inc, has applied for the issuance of a groundwater discharge permit, NS2025522, for the use of reclaimed water at the Vantage Data Centers NV11 project site (NV11 or facility), located at 100 Electric Ave, Sparks, NV, within Storey County. The project encompasses approximately 80.5 acres of disturbed soil, where reclaimed water will be applied for dust control and soil compaction during construction activities.

This is the first permit issued to the Permittee by the Nevada Division of Environmental Protection (NDEP or Division), Bureau of Water Pollution Control (BWPC).

Facility Overview
NV11 is a proposed construction site for reclaimed water use, located at 100 Electric Ave, Sparks, NV, within Storey County. NV11 encompasses approximately 80.5 acres of disturbed soil, where reclaimed water will be applied for dust control and soil compaction throughout the duration of construction activities. Due to the dynamic nature of site development, different areas will experience varying levels of disturbance over time rather than simultaneously.

Reclaimed water for this project is sourced from the Tahoe Reno Industrial General Improvement District (TRI-GID), where it is pumped from the treatment facility and discharged to spray trucks via a J-stand before being transported to the construction site for controlled application. The NV11 site does not plan to incorporate a permanent discharge structure; instead, reclaimed water is utilized in direct application to exposed soil surfaces via spray trucks. All applied water is expected to infiltrate or evaporate, with no direct discharge to a recognized water body.

To mitigate erosion and control surface runoff, the project incorporates a comprehensive erosion control plan, which includes the use of fiber rolls, silt fences, and a proposed stormwater retention basin. These measures are designed to minimize unauthorized discharges due to rainfall by containing and directing stormwater flows, preventing sediment transport, and ensuring compliance with environmental regulations protecting groundwater and surrounding land.

No industrial or hazardous pollutants will be stored or discharged as part of the facility's operation. The primary waste stream will consist of temporarily applied reclaimed water, which will either infiltrate into the subsurface or evaporate.

Outfall Summary
Outfall 001 – This outfall is for the discharge of reclaimed water from the J-stand (Water Stand) used to fill water trucks.

Effluent Characterization
The reclaimed water adheres to Category B bacteriological quality reclaimed water per NAC 445A.276. In 2024, the reclaimed water quality characteristics included an average 30-day geometric mean fecal general coliform concentration of less than 1 most probable number per 100 milliliters (MPN/100 mL) and an annual average total nitrogen concentration of 1.62 milligrams per liter (mg/L), as treated by the TRI-GID facility.

Nevada State Network Discharge Monitoring Report (NetDMR) data, as reported from the year 2020 to 2025, for the TRI-GID (NS200502) was reviewed as part of this initial permitting process. There were nine (9) exceedances of the daily maximum limit of 10 mg/L for total nitrogen, three (3) exceedances of the daily maximum limit for arsenic of 0.01 mg/L, two (2) exceedances for the daily maximum limit for aluminum of 0.2 mg/L, sixty (60) exceedance of the minimum limit for pH of 6.5, seven (7) exceedances of the maximum daily maximum general fecal coliform limits of 23 CFU/100mL, and fifteen (15) exceedances of the 30-day average geometric mean of 2.2 CFU/100 ml for general fecal coliform. An inspection report by the Division dated August 12, 2021, states, "A review of TRI-GID reports indicated commentary from SPB Utilities indicating an industrial connection(s) is the potential source of the elevated metals levels as the source (potable) water is within allowable MCLs."

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

Receiving Water
Receiving water is groundwater of the State. No reclaimed water is authorized to be discharged to surface waters. There are no groundwater monitoring wells on-site at present. The groundwater depth at the facility is approximately 150 feet below ground surface. No adverse effects are expected to occur in the groundwater due to the use of reclaimed water.

Compliance History
Not applicable as this is a new groundwater discharge permit.

Proposed Effluent Limitations
The discharge shall be limited and monitored as specified below:

Re-use Discharge Limitations Table for Sample Location 001 (Water Stand) To Be Reported Monthly[3]

Discharge Limitations				Monitoring Requirements			
Parameter	**Base**	**Quantity**	**Concentration**	**Monitoring Loc**	**Sample Loc**	**Measurement Frequency**	**Sample Type**
Flow rate	Daily Maximum	<= 0.5 Million Gallons per Day (Mgal/d)		See Footnote[1]	001	Daily When Discharging	METER
Flow rate	30 Day Average	<= 0.25 Million Gallons per Day (Mgal/d)		See Footnote[1]	001	Daily When Discharging	METER
Coliform, fecal general	Daily Maximum	<= 23 Colony Forming Units (CFU)[2]		Prior to Reuse	001	Monthly	DISCRT
Coliform, fecal general	30 Day Geometric Mean	<= 2.2 Colony Forming Units (CFU)[2]		Prior to Reuse	001	Monthly	DISCRT
Nitrogen, total	Daily Maximum		M&R Milligrams per Liter (mg/L)	Prior to Reuse	001	Monthly	DISCRT

Notes (Re-use Discharge Limitations Table):

1. Flow rate must be calculated by recording volumes filled in the water truck and calculating total volume sprayed per day or by installation of a flow meter on the supply line from TRI-GID.
2. Reporting for the general fecal coliform can be done in either MPN/100mL (Most Probable Number/100mL) or CFU/100mL (colony forming units/100mL).
3. During periods of recycled water use, reclaimed water quality parameters may be obtained by the TRI-GID (NS2000502) and reported in the Permittee's DMRs.

Summary of Changes From Previous Permit
Not applicable as this is a new groundwater discharge permit.

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

Basis for Effluent Limitations
Fecal coliform is required to be monitored to assess the quality of reclaimed water being applied and for

the protection of human health and the environment.

The proposed permit establishes the requirement to report the total nitrogen applied to ensure groundwater of the State is not being degraded.

The proposed permit establishes the requirements to restrict public access to the construction site and restrict human contact with the reclaimed water as part of the approved uses of Reuse Category B per NAC 445A.2764.

pH is required to be monitored to maintain groundwater quality for the health of humans along with safeguarding the local aquatic life found in the various creek systems that flow through that area.

Anti-backsliding
As this is a new permit, anti-backsliding findings are not applicable.

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 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 this permit.

SA – Special Approvals / Conditions Table

There are no Special Approval / Condition items

Discharges From Future Outfalls/ Planned Facility Changes
There are no planned discharges from future outfalls or facility changes.

Corrective Action Sites
Within a one-mile radius of the discharge location, there are five closed Bureau of Corrective Action (BCA) remediation sites.

Wellhead Protection Program
The outfalls are not located within a Wellhead Protection Area, which represents an approximate 10-year capture zone of a well, or within a Drinking Water Protection Area, which is defined by a 3,000-foot radius around a PWS well.

Schedule of Compliance:

SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	The Permittee shall submit two (2) copies (one hard copy and one electronic copy) of a Reclaimed Water Management Plan (RWMP) to the Division for review and approval. The RWMP shall follow the Division's guidance document WTS1B: General Design Criteria for Preparing a Reclaimed Water Management Plan and be prepared and wet stamped by a licensed, qualified Nevada professional engineer (P.E.).	11/28/2025

Deliverable Schedule:

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

Item #	Description	Interval	First Scheduled Due Date
1	Monthly DMRs	Quarterly	10/28/2025
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. **8/29/2025,** 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: **Tiffany Barulich**
Date: **7/21/2025**
Title: **Associate Engineer**