NEVADA DIVISION OF
ENVIRONMENTAL PROTECTION

STATE OF NEVADA
Department of Conservation & Natural Resources
Joe Lombardo, *Governor*
James A. Settelmeyer, *Director*
Jennifer L. Carr, *Administrator*

May 8, 2025

Stacy Lantis | VP Resort Operations
Nugget Casino Resort, LLC
1100 Nugget Avenue
Sparks, Nevada 89431

RE: Renewal of Underground Injection Control (UIC) permit UNEV2002202 & Notice of Decision
Nugget Casino Resort LLC Authorization to Inject
Truckee River Hydrologic Basin | Sparks, Washoe County, Nevada

Dear Stacy Lantis:

The Nevada Division of Environmental Protection (Division) hereby issues the renewal permit referenced above to the Nugget Casino Resort LLC (Nugget) for a period of five (5) years. The permit will take effect and expire at midnight on May 9, 2025 and May 9, 2030, respectively. The final permit reflects revisions to the draft permit made in response to external comments received during the 30-day public comment period ending on 3/6/2025. A signed copy of the permit is enclosed for your review and records – please have someone on your staff review the permit in its entirety to ensure their understanding of permit conditions and requirements, noting that a copy of the permit must be made available to all staff and contractors who work with operations for the dewatering system and permitted discharge activities. If you or an authorized representative of the Nugget have any questions or concerns, I can be reached at the email address and phone number below.

The following documents are enclosed for your records:

- UIC permit UNEV2002202 (renewed with revisions)
- Fact sheet for the Nugget Casino Resort dewatering effluent discharge project (currently authorized under UIC Permit UNEV2002202)
- Notice of Decision (NOD) regarding changes made to the publicly noticed draft permit, including Division responses to external comments received during the public comment period (2/4 - 3/6/2025)

Additionally, the Division hereby requires completion of the following compliance items by **May 31, 2025** to address noncompliance found during the inspection conducted on January 1, 2025:

- Label the bypass system as "Sanitary Sewer" to ensure proper identification
- Submit both an electronic and physical copy of the updated Operations & Maintenance manual to NDEP-BWPC, 901 S. Stewart St. #4001, Carson City, NV 89701
- Replace the bypass flow meter according to the recommendations stated in the inspection report.

Should you have any questions regarding this decision, please call me at (775) 687-9428.

Sincerely,

Andrew Kowler | Environmental Scientist
Bureau of Water Pollution Control | Underground Injection Control Branch
(775) 687-9428 | akowler@ndep.nv.gov

Enclosures: UIC Permit UNEV2002202
Notice of Decision
Fact Sheet (Nugget Casino Resort dewatering effluent discharge project)

Cc: Christina Kim (christina.kim@cnty.com) | Nugget Casino Resort LLC
Dean Parker (dean.parker@cnty.com) | Nugget Casino Resort LLC
Chris Wessel (crwessel@charter.net) | CRW Services
Bret Allen (b.allen@ndep.nv.gov) | NDEP-BWPC UIC Branch Supervisor
Lauren Bowen (lbowen@ndep.nv.gov) | NDEP-BWPC UIC Branch Inspector
Andrew Dixon (adixon@ndep.nv.gov) | NDEP-BWPC Chief
Elise Nord (Nord.Elise@epa.gov) | EPA R9 Groundwater Protection Section UIC Program
David Albright (dalbright@epa.gov) | EPA R9 Groundwater Protection Section Manager

STATE OF NEVADA

DIVISION OF ENVIRONMENTAL PROTECTION

AUTHORIZATION TO INJECT AND DISCHARGE

In compliance with the provisions of the Nevada Revised Statutes (NRS 445A) and the Nevada Underground Injection Control and Water Pollution Control Regulations (under NAC 445A), the following Permittee is authorized to inject at a facility described below in accordance with limitations, requirements and other conditions set forth in Parts I and II hereof.

Permit No.:	UNEV2002202
Facility Name:	Nugget Casino Resort – Tower #2
Facility Address:	1100 Nugget Avenue, Sparks, Nevada 89431
Permittee:	Nugget Casino Resort, LLC
Permittee Address:	1100 Nugget Avenue, Sparks, Nevada 89431
Property Owner:	Century Casinos, Inc.
Legal Description *PLSS coordinates:* *County:*	 NE¼, NW¼ Section 8, T19N, R20E; MDB&M Washoe County
Geodetic Coordinates:	Latitude: 39° 32' 00" N Longitude: 119° 45' 39.88" W
Number of Permitted Wells:	One (1) subsurface infiltration field
Reporting Frequency:	**Semi-annual (Due: 28th of April & October)**
Annual Permit Fee Due:	July 1st of each year
Original Permit Issued:	2002 (Originally under NEV96000, starting November 1996)
O&M Manual Approved:	May 2017

This permit shall become effective at midnight on: **May 9, 2025.**
This permit shall expire at midnight on: **May 8, 2030.**

The UIC renewal application is due 180 days prior to permit expiration on: **November 9, 2029**

Andrew Kowler, Ph.D. | Environmental Scientist
Bureau of Water Pollution Control | UIC Branch

5/8/2025
Date

PART I

A. INJECTATE LIMITATIONS, MONITORING AND OTHER REQUIREMENTS

1. Authorization
   During the period beginning on the effective date of this permit and lasting through the expiration date on page 1, the Permittee is authorized to inject treated groundwater from a dewatering system below the Nugget Casino Resort Tower 2 **to a subsurface drain field** at the site identified on page 1.
2. Injection Limitations
   Injection shall be limited by the Permittee as specified below
   a. The injection rate should not exceed the limits specified in the Monitoring Requirements (Table 1, Attachment 1).
   b. Injected water shall not surface, or cause surfacing of ground water, or cause harm to any underground structures.
3. Sampling and Monitoring
   The injectate and affected groundwater shall be limited and monitored by the Permittee as specified in Table 1 (Attachment 1) and reported to Nevada Division of Environmental Protection (NDEP) pursuant to Part I.B. of this permit.
4. Reporting
   Whether or not actively injecting, the permittee shall submit injection monitoring reports containing the following data on a semi-annual basis:

   a. Checklist form attached to this permit in Attachment 1.
   b. Results per Table 1 in Attachment 1.
   c. Description of hours of injection operation, including times of any shutdowns, start-ups, or upsets;
   d. For each month in the reporting period, report the (1) total discharge volume (gallons) and (2) lowest, highest, and average flow rates (gallons per minute, or gpm) under operating conditions for treatment system effluent that is routed either through the main pipeline to the drainfield or through the system bypass pipeline to the sanitary sewer.
   e. Data obtained from the drain field monitoring point and monitoring well (piezometer) shown in Attachment 2, Fig. 1.
   f. Summary narrative report of monitoring activities for the reporting period. The report shall include, but not be limited to, any problems encountered with the system, the results of chemical analyses and any tests performed, and any observed changes to the groundwater.
   g. Monitor as specified in Table 1 (Attachment 1) and report on a semiannual basis (per deadlines shown in Reporting Frequency on page 1) replacements of the granular activated carbon (GAC) filter media and indicate which vessel (1 or 2) was serviced, the date and volume of the replacement, and the contractor used to perform the maintenance.

   If no injection has occurred, report the non-injection status and the reason for the inactivity.

   The Permittee shall submit semi-annual Injection Monitoring Reports (IMR's) to the Underground Injection Control (UIC) Branch in the Bureau of Water Pollution Control, Division of Environmental Protection, no later than the **28th day of the month** following the last day of the corresponding reporting period. For all compliance reporting required herein, including the IMR's, a signed physical copy of each report shall be submitted to the following address:

   Nevada Division of Environmental Protection
   Bureau of Water Pollution Control | UIC Branch

Attn: Injection Monitoring Report (UNEV2002202)
901 South Stewart Street, Suite 4001
Carson City, NV 89701

5. Operation and Maintenance
The onsite copy of the operations and maintenance (O&M) manual approved on the date shown on page 1 shall be kept current with any subsequent changes; all changes must be approved by the Division. The up-to-date O&M Manual shall be resubmitted as part of any application for the renewal or major modification of this permit (i.e., UIC permit application U202 Attachment K). If no changes have been made to the approved O&M Manual, then a memo, on company letterhead, stating the following must be submitted to the Division:
    a. "Sampling and analyses to satisfy the updated monitoring requirements";

The updated O & M manual shall be submitted to NDEP for review and approval as required in Part I.B.1.

The Permittee shall operate and maintain the system per established procedures and as approved by the Division. **Any modification to the system requires Division approval prior to implementation.**

6. Non-Degradation of Ground Water
Injectate constituent limitations shall be as follows: Exceedance of a primary, or enforceable secondary, drinking water standard (as listed in NAC445A.455(2)), set by federal or state regulations shall not occur, unless a naturally occurring receiving-aquifer constituent is established by the Permittee to be higher than the drinking water standard. Immediate cessation of all injection activities must occur if, during operation of this facility, the Permittee (or authorized representative) becomes aware of any condition that causes degradation of water in the receiving zone.

7. Closed System
Extraction, treatment, conveyance, and injection must be accomplished in a completely closed system to prevent the introduction of any foreign materials or unapproved additives to the injectate waters.

8. Abandonment
If the system is abandoned, all injection trench piping shall be removed or grout-filled within 90 days of system abandonment. The abandonment must be certified by a registered professional engineer with the State of Nevada or witnessed by a staff member of the Division.

B. SCHEDULE OF COMPLIANCE

1. **By July 28, 2025**, the Permittee shall submit an updated O&M manual for groundwater collection, treatment, and discharge. Any changes to an approved O&M manual require Division approval and must be submitted for review.
2. The Permittee shall achieve compliance with the conditions, limitations, and requirements of the permit at the commencement of relevant activity.
3. The Administrator may, upon the request of the Permittee, and after public notice, revise or modify a schedule of compliance in an issued permit if s/he determines that good and valid cause (i.e., an event over which the permittee has little or no control, such as an 'act of G-

d', a strike, or a materials shortage) exists for such revision.

PART II

A. MONITORING AND RECORDKEEPING REQUIREMENTS

1. Minimum Requirements for Sampling and Monitoring
   a. Definition: "grab" sample means either a single discrete sample or individual samples collected over a period of time not to exceed 15 minutes. Samples and measurements taken as required herein shall be representative of the volume and nature of the subject of interest.
   b. A laboratory certified by the State of Nevada must perform analyses. Testing methods for constituents must be EPA- or Division-approved and meet drinking water analysis requirements.
   c. The analytical method detection/reporting limit for each of the required monitoring analytes must be at least as low as primary or secondary drinking water standards when applicable.
   d. **The UIC Program requires inorganic analyses of metals for "Total Metals"** in which samples are not filtered and are preserved with a weak acid in the field. Any exceptions to this policy must be requested and pre-approved by the UIC program prior to the sampling event. It must be clearly stated on all reports which analyses were performed, and if any sample was either filtered or not acidified.
   e. All gauges and/or flow meters used for compliance with this permit shall be calibrated pursuant to the O&M manual or industry specifications/ standards and documented in the monitoring reports.
   f. Water samples shall be 1) collected by grab method and 2) unfiltered for metals analysis, unless otherwise approved by the Division in writing.
   g. Annual, semi-annual, and quarterly samples shall be collected during the same month(s) each year.
   h. All UIC water samples shall be collected using UIC Form U230, and the completed U230 forms submitted for each water sample with the UIC report.
   i. Test procedures for the analyses of required constituents shall comply with applicable analytical methods cited in 40 CFR 141 and under the State of Nevada Drinking Water Program approved analytical methods, under which procedures may be required, unless alternative methods have been approved by the Administrator.
   j. When sampling for radioactive constituents, ensure that the laboratory only reports adjusted gross alpha, since the drinking water standard of 15 pCi/L is an adjusted standard that does not include radon and uranium in the total activity. Uranium is added in List 2 to verify the concentration and additional activity.

2. Recording of Results – For each measurement or sample taken pursuant to the requirements of this permit, the Permittee shall record the following information:
   a. The exact place, date, and time of sampling;
   b. The dates the analyses were performed;
   c. The person(s) who performed the analyses;
   d. The analytical techniques or methods used;
   e. The results of all required analyses; and
   f. The precision and accuracy of the analytical data (to be accessible through laboratory).

3. Additional Monitoring by Permittee – If the Permittee monitors any constituent at the locations(s) designated herein more frequently than required by this permit, or monitors additional constituents than required by this permit, using approved analytical methods as specified above, the results of such monitoring results shall be made available to the Division upon request.

4. Records Retention – All records and information resulting from the monitoring activities required by this permit, including all records and analyses performed and calibration and maintenance of instrumentation and recordings from continuous monitoring instrumentation, shall be retained for a

minimum of three (3) years, or longer if required by the Director.

5. Modification of Monitoring Frequency, Location, and Sample Type – After considering monitoring data, injection rate or discharge flow and receiving water conditions, the Division may, for just cause, modify the monitoring frequency, location and/or sample type by issuing an Order to the Permittee.

6. Certification of Documents Submitted to the Director – All applications, reports and information submitted to the Director must be signed and certified to be correct and true by the owner or the operator (NAC 445A.859) .

7. Availability of Reports – Except for data determined to be confidential under NRS 445.311, all reports prepared in accordance with the terms of this permit shall be available for public inspection. Knowingly making any false statement on any such report may result in the imposition of criminal penalties as provided for in NRS 445.337.

B. MANAGEMENT REQUIREMENTS

1. Changes in Injection or Discharge – All injection or discharges authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any constituent identified in this permit more frequently than, or at a level greater than, the level authorized shall constitute a violation of the permit. Any anticipated facility expansions, or treatment modifications that will result in new, different, or increased injection or discharges must be reported by submission of a new application or, if such changes will not violate the limitations specified in this permit, by notice to the permit-issuing authority of such changes. Following such notice, the permit may be modified to specify and limit any constituents that were not previously limited.

2. Noncompliance Notification – If, for any reason, a permit limit or condition is exceeded, or the Permittee does not comply with or will be unable to comply with the conditions, requirements and limitations specified in this permit, the Permittee shall provide the Administrator or his representative with the following information, in writing, within five (5) days of becoming aware of such conditions:
    a. A description of the noncompliance; and
    b. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated period of noncompliance as well as steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

3. Facilities Operation – The Permittee shall at all times maintain in good working order, and operate as efficiently as possible, all treatment or control facilities, devices, or systems installed or used by the Permittee to achieve compliance with the terms and conditions of this permit. All facilities and ancillaries encompassed by this permit shall conform to the plans and specifications filed with the Division and shall be maintained in good working order at all times. No changes shall be made to the system without prior written approval from the Division. All solid, toxic, or hazardous waste shall be disposed in accordance with the rules and regulations of this Division and all spills and releases shall be reported as required by the Nevada Revised Statutes.

4. Adverse Impact – The Permittee shall take all reasonable steps, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying injection or discharge, to minimize any adverse impact to waters of the State resulting from noncompliance with any limitations specified in this permit.

5. Bypassing – Any unapproved diversion from or bypass of a permitted facility that is required for maintaining compliance with the terms and conditions of this permit is prohibited, excepting circumstances under which such diversion or bypass is necessary for preventing the loss of life or severe property damage.

The Division will have the final authority in deciding whether a discharge is deemed unavoidable. The Permittee shall promptly notify the Director in writing of each such diversion or bypass in accordance with the procedure specified in Part II.B.2 above.

6. Annual and Renewal Fees – The Permittee shall submit the annual review and services fee in accordance with NAC 445A.872 no later than **July 1** of every year following permit issuance or reissuance, until the permit has been cancelled/terminated.

C. PERMITTEE RESPONSIBILITIES

1. Right of Entry – Pursuant to NRS 445A.655, the Permittee shall allow the Director and/or his authorized representatives, upon the presentation of credentials:
    a. To enter upon the Permittee's premises where a source is located or in which any records are required to be kept under the terms and conditions of this permit.
    b. To have access to, and to copy any records required to be kept under the terms and conditions of this permit.
    c. To inspect any monitoring equipment or monitoring method required in this permit; and
    d. To perform any necessary sampling to determine compliance with this permit or to sample any effluent or discharge.

2. Transfer of Ownership or Control – In the event of any change in ownership or control, the Permittee shall notify the succeeding owner of the existence of this permit, in writing, at the earliest possible date to allow sufficient time for the succeeding owner to demonstrate financial responsibility to the Division within 30 days prior to transfer of ownership. The letter shall include the date agreed upon by both parties for the transfer of ownership. A copy of the letter shall be forwarded to the Administrator. The Administrator may require modification, or revocation with subsequent reissuance of the permit, to change the name of the new Permittee and incorporate additional requirements as deemed necessary due to any changes made to the injection wells or system by the new permittee.

3. Availability of Reports – Except for data determined to be confidential under NRS 445A.665, all reports prepared in accordance with the terms of this permit shall be available for public inspection. Knowingly making any false statement on any such report may result in the imposition of criminal penalties as provided for in NRS 445A.710.

4. Permit Modification, Suspension, or Revocation – After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to, the following:
    a. Violation of any terms or conditions of this permit;
    b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
    c. A change in any condition that requires either a temporary or permanent reduction or elimination of the effluent or discharge.

5. Civil and Criminal Liability
    a. Nothing in this permit shall be construed to relieve the Permittee from civil or criminal penalties for noncompliance.
    b. Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the Permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable State law or regulation.
    c. The issuance of this permit does not convey any property rights, in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

6. Compliance with Regulations – The Permittee shall comply with all provisions of the UIC regulations, Nevada Administrative Code (NAC) 445A.810 through 445A.925, Water Pollution Control regulations NAC 445A and all pertinent laws and regulations. Nothing in this permit relieves the Permittee from responsibilities, liabilities, or penalties established by any other State, federal, or local jurisdiction.

ATTACHMENT 1

UIC Monitoring Report Requirements Checklist

The Permittee shall submit **semi-annual** reports that include this checklist ahead of the report.
The report must contain the following information – prior to submission, please put a check mark next to each of the reported items:

_____ 1. The UIC Permit ID, facility name, and permit.

_____ 2. Monitoring data for the parameters identified in Table 1 below;

_____ 3. For each sample collected for chemical analysis, provide (1) a copy of the UIC form U230 completed in the field and sent with the sample to the laboratory, (2) chain-of-custody documentation, and (3) the laboratory report containing the results of all required chemical analyses shown in Table 1 below.

_____ 4. For each month in the reporting period, report the lowest, highest, and average injection rates (gpm) and the total volume injected per month in gallons during operating conditions for the main flow and bypass;

_____ 5. Water-level measurements from the drain field monitoring point and monitoring Well (piezometer) shown in Attachment 2, Fig. 1.

_____ 6. Narrative summary report summarizing monitoring activities for the reporting period. The report shall include, but not be limited to, (1) any problems encountered with the system, (2) the results of any tests performed during that period, and (3) any changes noted to the ground water; and

_____ 7. Replacement of the Granular Activated Carbon (GAC) filter media as specified in the permit under part I.A.4.g.

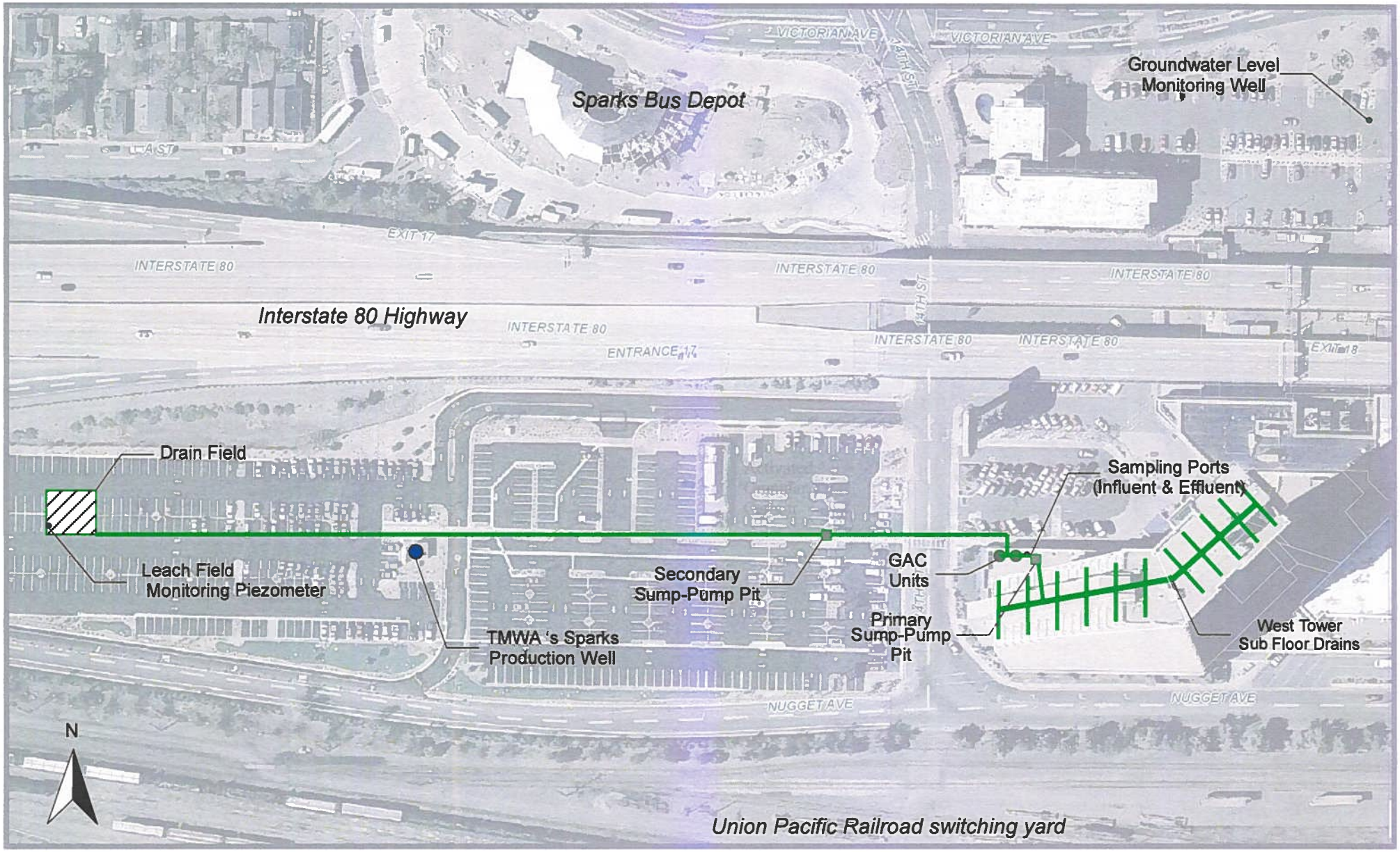
Table 1. Monitoring Requirements

Monitoring Parameters	Sampling Location/List	Discharge Limitations	Monitoring Requirements	
			Frequency	Sample Type
Flow (gal, gpm)	Main Pipeline (Attachment 2, Fig. 1) Flow Meter FM1[1] (Attachment 2, Fig. 2)	200 gpm (30-day average)	Daily	Meter
Bypass Flow (gal, gpm)	Bypass Pipeline (Attachment 2, Fig. 1) Flow Meter FM2[2] (Attachment 2, Fig. 2)	Monitor & Report	Daily	Meter
Volatile Organic Compounds [1]	Sample Port	Drinking Water Standards	Monthly	Discrete
Nitrate as Nitrogen[2]	Sample Port	Monitor & Report	Semi-annually	Discrete
Drain field depth to water table [2] (ft below ground surface)	Drain field Piezometer	Monitor & Report	Quarterly [3]	Discrete
Monitoring well depth to water table [2] (ft below ground surface)	Monitoring Well	Monitor & Report	Quarterly [3]	Discrete

Notes:

1) EPA Method 8260B.
2) Sample and monitor during the same calendar month or week.
3) If the treatment system discharge exceeds one-half of the design capacity of the drain field, the monitoring frequency will be increased to weekly for one (1) month. If monitoring data reported for this period indicates proper operation, then the measurement frequency will be returned from weekly to quarterly.

ATTACHMENT 2



Location of sub-basement dewatering collection pipes and remediation system discharge

Location of TMWA Production well.

Figure 1
Site Plan
West Tower Dewatering System
Nugget Casino Resort, Sparks, Nevada

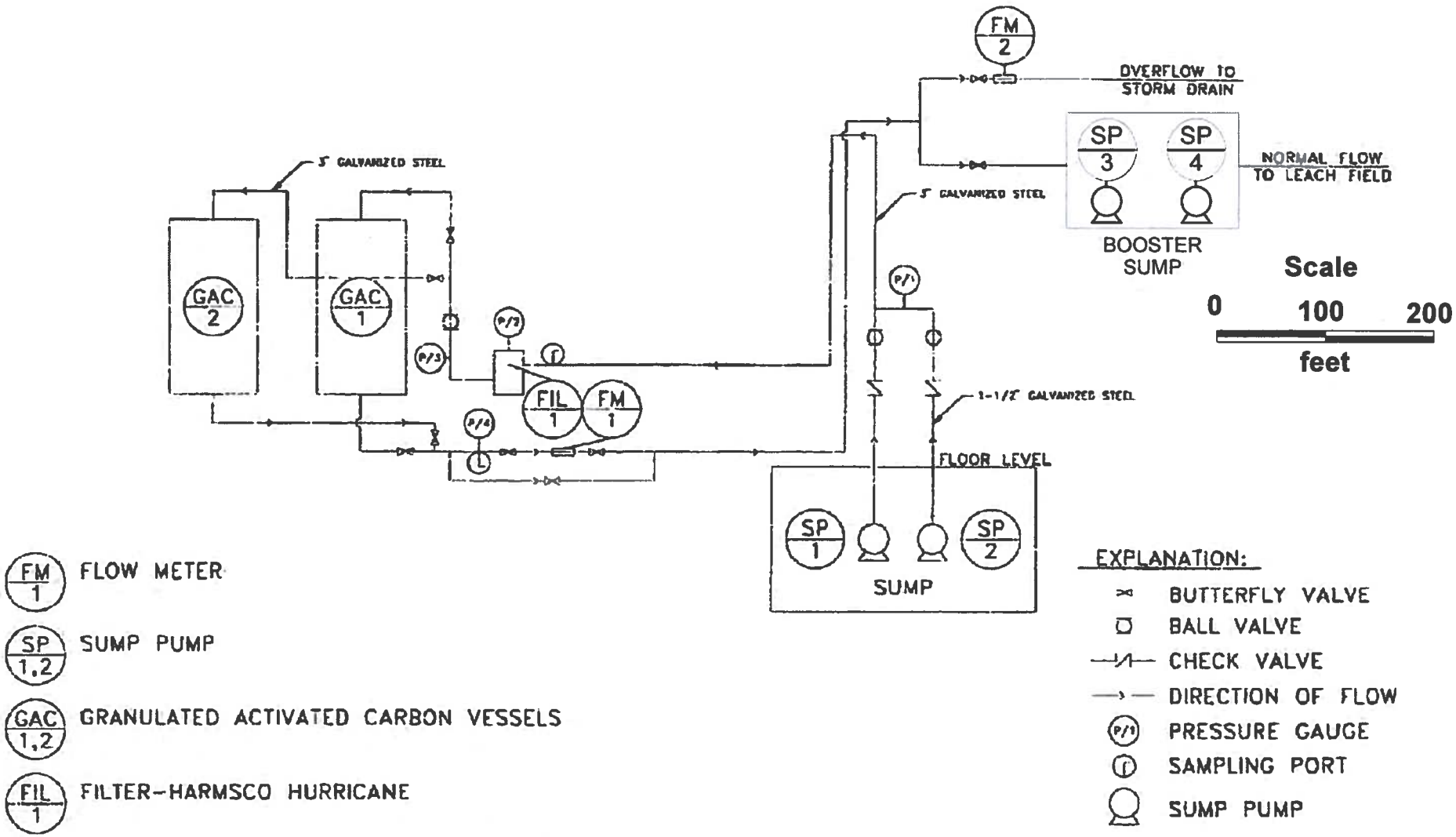


FIGURE 2
DEWATERING AND TREATMENT SYSTEM SCHEMATIC
WEST TOWER II
NUGGET HOTEL CASINO, SPARKS NEVADA

ATTACHMENT 3

Nevada Division of Environmental Protection

Underground Injection Control Program - Sampling and Monitoring Report Form

Facility Name :	**Sampled-water origin (ft bgs TVD) :**
Facility Owner:	**County:**
NDEP UIC Permit # :	**Loc:** *Proj* *Lat* *Long*
Well No.:	**Sampler :**
Type of Well: Mon Obs Prod Inj	**Date Sampled :**

UIC Sample List - Extended Inorganics

Name of Laboratory :

Parameter	Units	DW Standards	Results	Method
total dissolved solids	mg/L	500 - 1000		Approved analytical methods can be found at the Bureau of Safe Drinking Water website https://ndep.nv.gov/water
pH	standard units	6.5 - 8.5		
chloride	mg/L	250 - 400		
fluoride	mg/L	4		
sulfate	mg/L	250 - 500		
nitrate (as nitrogen)	mg/L	10		
nitrite (as nitrogen)	mg/L	1		
aluminum	mg/L	0.05-0.2		
antimony	mg/L	0.006		
arsenic	mg/L	0.01		
barium	mg/L	2		
beryllium	mg/L	0.004		
cadmium	mg/L	0.005		
chromium	mg/L	0.1		
copper	mg/L	1.0-1.3		
lead	mg/L	0.015		
iron	mg/L	0.3 - 0.6		
magnesium	mg/L	125 - 150		
manganese	mg/L	0.1		
mercury	mg/L	0.002		
nickel	mg/L	--		
selenium	mg/L	0.05		
silver	mg/L	0.05		
thallium	mg/L	0.002		
zinc	mg/L	5		
total uranium	ug/L	30		
adjusted gross alpha*	pci/L	15		
gross beta	mrem	4		
alkalinity (CaCO3)	mg/L	-		
bicarbonate	mg/L	-		
boron	mg/L	-		
calcium	mg/L	-		
carbonate	mg/L	-		
Elect. Conductivity	umhos/cm	at 25 degC		
lithium	mg/L	-		
molybdenum	mg/L	-		
phosphorus, total	mg/L	-		
potassium	mg/L	-		
silica	mg/L	-		
sodium	mg/L	-		
total suspended solids	mg/L	-		
turbidity	NTU	-		

Comments:

Rev 4/2019

Note: A completed UIC U230 Form is required for all UIC-related samples (produced, injected, & monitoring point waters)

Detection limits must be at least as low as primary or secondary drinking water standards where applicable.

Nevada Certified Laboratory must be used for all UIC samples, lab must be certified the method being used.

Metals shall be sampled and analyzed as total metals. Please indicate detection limit instead of stating "Non-Detect" or "ND".

When TDS is high, 200.8 can't be used. See EPA's Approved

Methods for Inorganic Chemicals and Other Contaminants at https://www.epa.gov/dwanalyticalmethods

*Adjusted gross alpha particle activity doesn't include radon and uranium activity.

Nevada Division of Environmental Protection Underground Injection Control Program - Sampling and Monitoring Report Form	
Facility Name :	**Sampled-water origin (ft bgs TVD) :**
Facility Owner:	**County:**
NDEP UIC Permit # :	**Loc:** *Proj* *Lat* *Long*
Well ID # :	**Sampler :**
Type of Well : Mon. Obs. Prod. Inj.	**Date Sampled :**
	Lab Name:

UIC Sample List - Extended Volatile Organics (EPA Method 8260B) - page 1 of 2

Parameter	DW Hlth Advis	PRG	DW Std	DW Std	Measured Values	
	µg/L	µg/L	mg/L	µg/L	mg/L	µg/L
1,1,1,2-Tetrachloroethane	1	Jan-00				
1,1,1-Trichloroethane (TCA)			0.2	200		
1,1,2,2-Tetrachloroethane	0.2	0.055	*	*		
1,1,2-Trichloroethane			0.005	5		
1,1-Dichloroethane		810	*	*		
1,1-Dichloroethene			0.007	7		
1,1-Dichloropropene			*	*		
1,2,3-Trichlorobenzene						
1,2,3-Trichloropropane	40	0.0056				
1,2,4-Trichlorobenzene			0.07	70		
1,2,4-Trimethylbenzene		12	*	*		
1,2-Dibromo-3-chloropropane (DBCP)			0.0002	0.2		
1,2-Dibromoethane (EDB; 1,2-Dibromomethane)			0.00005	0.05		
1,2-Dichlorobenzene (o)			0.6	600		
1,2-Dichloroethane			0.005	5		
1,2-Dichloropropane			0.005	5		
1,3,5-Trichlorobenzene						
1,3,5-Trimethylbenzene		12				
1,3-Dichloropropane		120	*	*		
2- and 4-Chlorotoluene (o and p)	100	120 for (o)				
2,2-Dichloropropane			*	*		
2-Butanone (Methyl ethyl ketone)	7,500 (acute)	7,000				
2-Hexanone						
4-Isopropyltoluene (p-cymene)			*	*		
4-Methyl-2-pentanone						
Acetone		5,500				
Benzene			0.005	5		
Bromobenzene	4,000 (acute)	20	*	*		
Bromochloromethane	90					
Bromodichloromethane			0.0**	0.0**		
Bromoform			0**	0.0**		
Bromomethane (Methyl bromide)	10	8.7	*	*		
Carbon tetrachloride			0.005	5		
Chlorobenzene			0.1	100		
Chloroethane		4.6				
Chloroform			0.08**	80**		
Chloromethane	3	160				
cis and trans-1,3-Dichloropropene	0.4	0.4 for Total				
cis-1,2-Dichloroethene (DCE)			0.07	70		

DW Health Advisories (chronic) are from USEPA Region 9, Drinking Water Standards and Health Advisories Table, February 2004.
Preliminary Remediation Goals (PRGs) for tap water are from USEPA Region 9, October 2004. The lowest of these concentration levels is considered to be the State Action Level when there is not a Federal Maximum Contaminant Level (MCL).

* On Drinking Water Contaminant Candidate List 2.

** MCLG. MCL for this constituent of Total Trihalomethanes is 0.080 mg/L or 80 µg/L.

*** State of Nevada Action Level dependant on distance to sensitive receptors.

**** The MCL for the sum of all xylenes is 10.0 mg/L or 10,000 µg/L.

***** 1983 Consent Order Discharge Limit

Nevada Division of Environmental Protection
Underground Injection Control Program - Sampling and Monitoring Report Form

Facility Name :	**Sampled-water origin (ft bgs TVD) :**
Facility Owner:	**County:**
NDEP UIC Permit # :	**Loc:** *Proj* *Lat* *Long*
Well No.:	**Sampler :**
Type of Well: Mon Obs Prod Inj	**Date Sampled :**
	Lab Name:

UIC Sample List - Extended Volatile Organics (EPA Method 8260B) - page 2 of 2

Parameter	DW Hlth Advis	PRG	DW Std	DW Std	Measured Values	
	µg/L	µg/L	mg/L	µg/L	mg/L	µg/L
Dibromochloroethane						
Dibromochloromethane			0.060**	60**		
Dibromomethane						
Dichlorodifluoromethane (Freon 12)	1000	390				
Dichloromethane (Methylene chloride)			0.005	5		
Dimethyldisulfide						
Di-isopropyl Ether (DIPE)						
Ethyl Tertiary Butyl Ether (ETBE)						
Ethylbenzene			0.7	700		
Isopropylbenzene (cumene)	11,000 (acute)	660				
Isopropyltoluene						
Methyl tert-butyl ether (MTBE)			0.20 or 0.020***	200 or 20***		
n-Butylbenzene		240				
n-Propylbenzene		240				
sec-Butylbenzene		240				
Styrene			0.1	100		
tert-Butyl formate (TBF)						
tert-Butylbenzene		240				
Tertiary Amyl Methyl Ether (TAME)						
Tertiary Butyl Alcohol (TBA)						
Tetrachloroethene (PCE)			0.005	5		
Toluene			1	1,000		
Total Trihalomethanes (add ** compounds)			0.08	80		
trans-1,2-Dichloroethene (DCE)			0.1	100		
Trichloroethene (TCE)			0.005	5		
Trichlorofluoromethane (Freon 11)	2,000	1,300				
Vinyl chloride			0.002	2		
Xylenes - (o)						
Xylenes - (m,p)						
Total Xylenes - (o) and (m,p)			10.0****	10,000****		
Specific tentatively-identified compounds:						
Ethyl ether (ether)		1,200				
1-Nitropropane						
2-Nitropropane		0.0012				
Polyethylene glycol						
2,2,2-Trichloroethanol						

DW Health Advisories (chronic) are from USEPA Region 9, Drinking Water Standards and Health Advisories Table, February 2004.
Preliminary Remediation Goals (PRGs) for tap water are from USEPA Region 9, October 2004. The lowest of these concentration levels is considered to be the State Action Level when there is not a Federal Maximum Contaminant Level (MCL).

* On Drinking Water Contaminant Candidate List 2.

** MCLG. MCL for this constituent of Total Trihalomethanes is 0.080 mg/L or 80 µg/L.

*** State of Nevada Action Level dependant on distance to sensitive receptors.

**** The MCL for the sum of all xylenes is 10.0 mg/L or 10,000 µg/L.

***** 1983 Consent Order Discharge Limit

ATTACHMENT 4

Nevada Division of Environmental Protection
Bureau of Water Pollution Control
Underground Injection Control Program
901 S. Stewart St Ste 4001
Carson City Nevada 89701
Ph: 775-687-9418 Fx: 775-687-4684

UIC Form U230 – Field Sampling & Monitoring Summary

This form is to be completed in the field for all UIC water samples to document the sampling location facts and events, and submitted with the sample results.

Sample Date: (mm/dd/yy)_____

Complete All Applicable Blanks – Water samples can be rejected if information not provided.

FACILITY AND PERMIT INFORMATION	
Well Name & No.:	UIC Permit No.:
Is there any well name or identification at the wellhead? ☐ YES ☐ NO	If no, label should be placed on or near wellhead
Project/Facility Name:	
Well Location (SectionTR or Lat/Long) :	
City/Valley:	County:
Sample for (circle one): NEW WELL ROUTINE REPORTING Other: _____	
Reporting Frequency: ☐ Semi-annually ☐ Annually ☐ Other _____	
SAMPLE LOCATION or WELL INFORMATION	
Well / Location Type:	Water/Domestic Well Monitoring Geo-Prod Geo-Injection Geo-Observation Discharge Pipe Oil Water Separator Holding Tank Pond Septic Tank Other: _____
(Note: If sample location is not a well (e.g. spring, pond, pipeline, tank), please provide all relevant data on sample location in the space below) **Non-well location:**	
Completion date of well/tank:	
Diameter of casing:	Type of Casing: Steel PVC Other:_____
Total depth of well:	
Bottom depth of cement for last cemented casing string:	
Screened or open hole interval (top/bottom depths):	
STATUS OF WELL / SAMPLE LOCATION	
Condition or Activity of well during past week/month, prior to sampling:	
Discuss any field conditions the Division should be aware of with regard to this sample:	
Was the well secured upon arrival?	☐ YES ☐ NO
Was there any problems or damage to the well upon arrival	☐ YES ☐ NO
Was well in an artesian condition prior to sampling? :	☐ YES ☐ NO
WATER LEVEL – WELL GAUGING	
Last date well/sample location (e.g. tank) gauged (mm/dd/yy) :	Depth to water - last event:
Method used to gauge well/location? :	Cap Tube Tape Measure Other: _____
Measured Water Level :	

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UIC Form U230 – Field Sampling & Monitoring Summary

SAMPLING INFORMATION			
Date sample collected (mm/dd/yy) :		Time Sampled :	
Name of Sampler :			
Location sample taken (be specific) e.g "sample port in pipeline 10 feet from wellhead" :			
Type of Sample (circle one) :	Grab Composite other (specify):		
Collection method (circle one) :	well bailed water pumped artesian flow air/gas lift		
Collection method/ non-well Describe how sample was taken:			
How much fluid (gallons or well volumes) was discharged / purged before collecting sample? :			
Filtering Note: UIC requirements specify water samples shall not be filtered, unless previously approved. If filtration is approved, sample shall be filtered with a 1.0 micron filter, not 0.45 micron. If approved, document date of approval: _____			
Was the sample filtered? :	☐ YES ☐ NO		
Was conductivity measured during discharge to establish stabilized conditions?	☐ YES ☐ NO		
Was decontamination procedures (reference O & M?) followed during sampling of multiple wells	☐ YES ☐ NO		
FIELD MEASUREMENTS pH : S. Conductivity : Temperature :			
What UIC Sample List is required: UIC List 1 UIC List 2 UIC List 3 Other**: _____			
** Other constituent listed must have prior UIC approval before using			
Were any holding times exceeded?	☐ YES ☐ NO		
In Final sample documentation, ensure all results are reported with appropriate units. If measurements are below detection limits, indicate detection limit value. **DO NOT REPORT VALUES AS NON-DETECT OR ND, INSTEAD REPORT as <(*Detection Limit Value*)**			

FORM PREPARATION	
Project Manager:	
Company:	
Telephone No.:	eMail Address:
Signature:	Date:
Qualified Sample Person:	
Company:	
Telephone No.:	eMail Address:
Signature:	Date:

Attachments: