NEVADA DIVISION OF
ENVIRONMENTAL
PROTECTION

A division of the
Nevada Department of Conservation & Natural Resources

STATE OF NEVADA
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# FACTSHEET
## (pursuant to NAC 445A.236)

**Permittee Name:** SV RNO PROPERTY OWNER 1, LLC

3200 CHERRY CREEK DRIVE S, STE 700
DENVER, CO 80209

**Permit Number:** NS2027504

**Permit Type:** GROUNDWATER DISCHARGE

**Designation:** GROUNDWATER

**New/Existing:** NEW

**Location:** RNO20 SOUTH VALLEY, STOREY
8990 USA PARKWAY, MCCARRAN, NV 89437
LATITUDE: 39.4696, LONGITUDE: -119.4015
TOWNSHIP: 19N, RANGE: 23E, SECTION: 33

| Outfall / Well Num | Outfall / Well Name | Location Type | Well Log Num | Latitude | Longitude | Receiving Water |
|---|---|---|---|---|---|---|
| 001 | MAKEUP WATER | Internal Outfall | | 39.4696 | -119.4015 | N/A |
| EFF | EFFLUENT | Surface Disposal Site | | 39.4711 | -119.4021 | GROUNDWATER |
| INF | INFLUENT | Internal Outfall | | 39.4696 | -119.4015 | N/A |

### Permit History/Description of Proposed Action
The Permittee, SV RNO Property Owner 1, LLC, has applied for a new groundwater discharge permit for the RNO20 South Valley facility located at 8990 USA Parkway in McCarran, Storey County, Nevada. The Permittee proposes to use potable and reclaimed water supplied by the Tahoe Reno Industrial General Improvement District Wastewater Treatment Plant (TRI-GID WWTP, permit NS2000502) as makeup water for their indirect evaporative cooling system. The supplied reclaimed water meets Category B reuse water in accordance with Nevada Administrative Code (NAC) 445A.276. Reuse water will undergo additional treatment at the on-site advanced water treatment facility prior to being utilized as makeup water for the cooling system. All generated effluent will be discharged to a double-lined pond for disposal via evaporation. Outside of winter months, evaporation will be supplemented with floating surface evaporators. There shall be no discharge outside of the evaporation pond.

### Facility Overview
The Permittee is constructing a data center facility, referred to as the South Valley Data Center. The facility will occupy approximately 106 acres and will include one data center building and its associated support infrastructure, one advanced water treatment facility, and one evaporation pond for effluent disposal. The facility will primarily utilize reuse water supplied by TRI-GID connected through reduced-pressure backflow preventers. If needed, the Permittee may obtain potable water from TRI-GID when reclaimed water is insufficient for the facility's demand. Potable water may be blended with reclaimed water in the raw water storage tank via an air-gap fitting to prevent any possibility of potable water contamination.

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The advanced water treatment facility will consist of two ultrafiltration (UF) units and one reverse osmosis (RO) unit. Backwash from the primary UF system will be routed to a backwash tank, recovered, and pumped to the secondary UF system. Backwash from the secondary UF system and brine concentrate from the RO process will be discharged to the evaporation pond. To reduce overall water demand, collected blowdown from the cooling system will be recycled through the secondary UF and RO units prior to discharge (see attached process flow diagram). All tanks associated with the treatment system will include manually operated drains that discharge to the evaporation pond. A clean-in-place (CIP) system will also be incorporated into the treatment facility; all CIP rinse water and waste streams will be discharged to the evaporation pond.

All additionally treated reuse water will be collected in the Industrial Water Storage Tanks prior to being pumped into the cooling system as makeup water (Outfall 001). The cooling system will be located on the roof of the data center building. Therefore, the Permittee shall implement a robust *Legionella* monitoring program, including regular testing and remediation if needed (see Item #2 of the Schedule of Compliance Table). *Legionella* is a pathogenic bacteria that causes disease in humans and commonly spread by inhaling water mist containing the bacteria. Control sequences to drain water from the blowdown sumps and to flush fresh treated water over the evaporative media pads are implemented to periodically refresh water in the sump as needed to prevent *Legionella* growth. The frequency and duration of the dump-and-flush cycles will be established to reduce *Legionella* risk to nearly zero. Adiabatic coolers discharge humidified air vertically upwards, and this airflow must pass through cooling coils that act as drift/droplet eliminators before being discharged. However, operations teams responsible for fluid-cooler maintenance could be exposed to *Legionella* and will receive training to further mitigate any *Legionella* hazard.

The evaporation pond is projected to receive approximately 14.28 million gallons (Mgal) of effluent annually. It will be constructed to provide approximately 3.39 Mgal of available storage with 3.70 acres of top surface area and 10 feet of total depth. The pond will be double-lined, consisting of a primary 60-mil black conductive textured high-density polyethylene (HDPE) geomembrane and a secondary 60-mil HDPE geomembrane. A geocomposite drainage layer and a 16-oz. non-woven geotextile will be installed over the prepared subgrade. The pond will include an integrated leak collection and recovery system (LCRS) to convey leakage to the leak detection trench and conveyed to a manhole. The 4.0-foot diameter leak detection manhole will be equipped with an ultrasonic level transmitter to monitor accumulated leakage. The monitoring system will allow for calculation and recording of daily leakage rates and volumes. Collected leakage may be removed from the manhole using a temporary sump pump.

The pond water balance evaluates effluent inflows, precipitation, storm events, and natural evaporation rate. To maintain proper freeboard, the facility will need to supplement evaporation using floating surface evaporators (RWI PittBoss units) outside of winter months. Up to 17 units will be installed, with 15 operational and two (2) on standby.

**Outfall Summary**

Outfall 001 – This internal outfall is to measure and monitor reuse water after going through the advanced water treatment facility, prior to being used as makeup water for the indirect evaporative cooling system.

Outfall EFF – This outfall is to measure and monitor all effluent generated by the advanced water treatment facility for discharge to the evaporation pond for disposal via evaporation, including inflow to the LCRS.

Outfall INF – This internal outfall is to measure and monitor all raw water (influent), supplied by TRI-GID, combined in the Raw Water Tank before going through the treatment system.

**Effluent Characterization**

This is a new permit. The effluent will consist of RO reject water, UF backwash, all tank drains, and CIP waste streams.

**Pollutants of Concern**

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Pollutants of concern are any pollutant, or parameters, that are believed to be present in the discharge and could affect or alter the physical, chemical, or biological conditions of the receiving water. Water quality results provided by TRI-GID for the treated effluent from the wastewater treatment plant indicate elevated levels (above Profile 1 limits) of aluminum, arsenic, and manganese. A common pollutant of concern for reclaimed water is fecal coliform. Pollutant of concern from potential equipment leaks include total petroleum hydrocarbons (TPH).

**Receiving Water**
This is a non-discharge facility and in the case of a catastrophic failure, the receiving water is groundwater of the State. The initial geotechnical site investigation, provided with the permit application, indicates that the depth to groundwater is approximately 515 to 760 feet below ground surface.

**Compliance History**
Not applicable. This is a new permit.

**Proposed Effluent Limitations**
The discharge shall be limited and monitored by the Permittee as specified below:

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**WWTP Discharge Limitations Table for Sample Location Inf (Influent - Raw Water Supply) To Be Reported Monthly[1]**

| Discharge Limitations | | | | Monitoring Requirements | | | |
|---|---|---|---|---|---|---|---|
| **Parameter** | **Base** | **Quantity** | **Concentration** | **Monitoring Loc** | **Sample Loc** | **Measurement Frequency** | **Sample Type** |
| Flow rate | Daily Maximum | M&R Million Gallons per Day (Mgal/d) | | Internal Monitoring Point | INF | Continuous | METER |
| Flow rate | 30 Day Average | M&R Million Gallons per Day (Mgal/d) | | Internal Monitoring Point | INF | Continuous | METER |

Notes (WWTP Discharge Limitations Table):

1. Flow from the Raw Water Tank into the advanced water treatment system.

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**Re-use Discharge Limitations Table for Sample Location 001 (Makeup Water For The Indirect Evaporative Cooling System) To Be Reported Monthly**

| Discharge Limitations | | | | Monitoring Requirements | | | |
|---|---|---|---|---|---|---|---|
| **Parameter** | **Base** | **Quantity** | **Concentration** | **Monitoring Loc** | **Sample Loc** | **Measurement Frequency** | **Sample Type** |
| Coliform, fecal general | Daily Maximum | | <= 23 Colony Forming Units per 100ml T (CFU/100mL)[1] | Prior to Reuse[2] | 001 | Monthly When Discharging | DISCRT |
| Coliform, fecal general | 30 Day Geometric Mean | | <= 2.2 Colony Forming Units per 100ml T (CFU/100mL)[1] | Prior to Reuse[2] | 001 | Monthly When Discharging | DISCRT |
| Flow rate | Daily Maximum | M&R Million Gallons per Day (Mgal/d) | | Prior to Reuse | 001 | Continuous | METER |
| Flow rate | 30 Day Average | M&R Million Gallons per Day (Mgal/d) | | Prior to Reuse | 001 | Continuous | METER |

Notes (Re-use Discharge Limitations Table):

1. CFU/100mL or MPN/100mL.
2. Sample shall be taken at the sample port located on the Industrial Water Storage Tanks, prior to use in the indirect evaporative cooling system.

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**Ponds / Rapid Infiltration Basins for Sample Location Eff (Effluent - Generated From The Advanced Water Treatment Facility For Discharge To The Evaporation Pond) To Be Reported Monthly**

| Discharge Limitations | | | | Monitoring Requirements | | | |
|---|---|---|---|---|---|---|---|
| **Parameter** | **Base** | **Quantity** | **Concentration** | **Monitoring Loc** | **Sample Loc** | **Measurement Frequency** | **Sample Type** |
| Flow rate | Daily Maximum | <= 0.50 Million Gallons per Day (Mgal/d) | | Effluent Gross | EFF | Continuous | METER |
| Flow rate | 30 Day Average | <= 0.20 Million Gallons per Day (Mgal/d) | | Effluent Gross | EFF | Continuous | METER |
| Freeboard | Daily Minimum | >= 3.0 Feet (ft) | | See Footnote[1] | EFF | Weekly | VISUAL |
| Liner Leakage Rate | Daily Maximum | <= 500 Gallons per Acre per Day (gal/acre/d) | | See Footnote[2] | EFF | Monthly | METER |

Notes (Ponds / Rapid Infiltration Basins):

1. Graduated depth markings for evaporation pond. Limit established per Section B.PB.4.3 of the standard condition attached to the discharge permit.
2. Conveyed leakage from trench outlet to the evaporation pond's leak detection manhole. Limit established per Section B.PB.5.5 of the standard condition attached to the discharge permit.

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**Ponds / Rapid Infiltration Basins for Sample Location Eff (Effluent - Generated From The Advanced Water Treatment Facility For Discharge To The Evaporation Pond) To Be Reported Quarterly[1]**

| Discharge Limitations | | | | Monitoring Requirements | | | |
|---|---|---|---|---|---|---|---|
| **Parameter** | **Base** | **Quantity** | **Concentration** | **Monitoring Loc** | **Sample Loc** | **Measurement Frequency** | **Sample Type** |
| Alkalinity, bicarbonate (as CaCO3) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | EFF | Quarterly | COMPOS |
| Alkalinity, total (as CaCO3) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | EFF | Quarterly | COMPOS |
| Aluminum, dissolved (as Al) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | EFF | Quarterly | COMPOS |
| Antimony, dissolved (as Sb) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | EFF | Quarterly | COMPOS |
| Arsenic, dissolved (as As) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | EFF | Quarterly | COMPOS |
| Barium, dissolved (as Ba) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | EFF | Quarterly | COMPOS |
| Beryllium, dissolved (as Be) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | EFF | Quarterly | COMPOS |
| Cadmium, total (as Cd) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | EFF | Quarterly | COMPOS |
| Calcium, total (as Ca) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | EFF | Quarterly | COMPOS |
| Chloride (as Cl) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | EFF | Quarterly | COMPOS |
| Chromium, total (as Cr) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | EFF | Quarterly | COMPOS |

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**Ponds / Rapid Infiltration Basins for Sample Location Eff (Effluent - Generated From The Advanced Water Treatment Facility For Discharge To The Evaporation Pond) To Be Reported Quarterly[1]**

| Discharge Limitations | | | | Monitoring Requirements | | | |
|---|---|---|---|---|---|---|---|
| **Parameter** | **Base** | **Quantity** | **Concentration** | **Monitoring Loc** | **Sample Loc** | **Measurement Frequency** | **Sample Type** |
| Copper, total (as Cu) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | EFF | Quarterly | COMPOS |
| Cyanide, weak acid, dissociable | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | EFF | Quarterly | COMPOS |
| Fluoride, total (as F) [2] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | EFF | Quarterly | COMPOS |
| Hydrocarbons, total petroleum | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | EFF | Quarterly | COMPOS |
| Iron, total (as Fe) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | EFF | Quarterly | COMPOS |
| Lead, dissolved (as Pb) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | EFF | Quarterly | COMPOS |
| Magnesium, dissolved (as Mg) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | EFF | Quarterly | COMPOS |
| Manganese, dissolved (as Mn) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | EFF | Quarterly | COMPOS |
| Mercury, dissolved (as Hg) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | EFF | Quarterly | COMPOS |
| Nitrite plus nitrate total 1 det. (as N) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | EFF | Quarterly | COMPOS |
| Nitrogen, total | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | EFF | Quarterly | COMPOS |

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**Ponds / Rapid Infiltration Basins for Sample Location Eff (Effluent - Generated From The Advanced Water Treatment Facility For Discharge To The Evaporation Pond) To Be Reported Quarterly[1]**

| Discharge Limitations | | | | Monitoring Requirements | | | |
|---|---|---|---|---|---|---|---|
| **Parameter** | **Base** | **Quantity** | **Concentration** | **Monitoring Loc** | **Sample Loc** | **Measurement Frequency** | **Sample Type** |
| pH | Value | | M&R Standard Units (SU) | Effluent Gross | EFF | Quarterly | COMPOS |
| Potassium, dissolved (as K) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | EFF | Quarterly | COMPOS |
| Selenium, dissolved [as Se] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | EFF | Quarterly | COMPOS |
| Silver, dissolved (as Ag) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | EFF | Quarterly | COMPOS |
| Sodium, dissolved (as Na) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | EFF | Quarterly | COMPOS |
| Sulfate, total (as SO4) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | EFF | Quarterly | COMPOS |
| Thallium, dissolved (as Tl) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | EFF | Quarterly | COMPOS |
| Solids, total dissolved | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | EFF | Quarterly | COMPOS |
| Uranium, natural, total | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | EFF | Quarterly | COMPOS |
| Zinc, dissolved (as Zn) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | EFF | Quarterly | COMPOS |

Notes (Ponds / Rapid Infiltration Basins):

1. Quarterly sample shall be representative of the evaporation pond (i.e., collected from four quadrants of the pond).
2. Sampling and analysis shall be done on the dissolved fraction.

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**Summary of Changes From Previous Permit**
Not applicable. This is a new 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**
There are currently no specific water quality standards that have been formally adopted by the State for groundwater. However, the Division has the discretion to implement effluent limitations outside water quality standards per NAC 445A.243, which states, "In establishing an effluent limitation to carry out the policy of this State set forth in NRS 445A.305, consideration must be given to, but is not limited by the following:... (2) the need for standards that specify by chemical, physical, biological, or other characteristics the extent to which pollution by various substances will not be tolerated."

The Permittee proposes to use reclaimed water from TRI-GID WWTP as makeup water for the indirect evaporative cooling system. The reclaimed meets Category B bacteriological quality reuse water per NAC 445A.276. Per NAC 445A.2764, Category B reuse water may be used for cooling water in an industrial process. The proposed permit establishes the requirement for fecal coliform to be monitored to assess the quality of reclaimed water being used (Outfall 001) for the protection of human health and the environment and to ensure Category B bacteriological quality, or higher, is being maintained per NAC 445A.2764. Additionally, the Permittee acknowledges that utilizing reclaimed water for their cooling system will not violate NAC 445A.275.2, which states that, "A person shall not use reclaimed water for maintaining a controlled temperature and humidity environment if air that contacts the reclaimed water is delivered to an area that may be occupied."

The requirement to monitor the effluent for Profile 1 quarterly is included to evaluate the quality of the effluent and determine whether the effluent has potential to impact the receiving water. Permittee may request to adjust the sampling frequency, see *Item #3* of the *Special Approvals/Conditions Table*. The constituents listed in Profile 1 have been vetted by the Division and have been included in groundwater discharge permits for many years as a means of regulating groundwater quality. Per NRS 445A.490, “No permit may be issued which authorizes any discharge or injection of fluids through a well into any waters of the State: ... (3) which would result in the degradation of existing or potential underground sources of drinking water.” Although cyanide and uranium are not expected to be present in the effluent, the permit requires the Permittee to sample these constituents because they are included in the Profile 1 list. Pond will be constructed as non-discharge facility; therefore, all concentration limits are set to Monitor and Report (M&R) only.

The proposed permit establishes the requirement to sample for TPH due to the potential for equipment leaks.

The Permittee has requested effluent discharge rate of 0.50 million gallons per day (Mgal/d) daily maximum and 0.20 Mgal/d 30-day average. The Permittee provided a water balance calculation, stamped by a Nevada registered Professional Engineer, which was reviewed and approved by the Division on October 21, 2026 demonstrating the facility will have adequate disposal volume for proper effluent management.

**Anti-backsliding**
Not applicable. This is a new permit.

**Antidegradation**
The Division has developed an antidegradation regulation that is applied on a statewide basis, and which

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meets the statutory requirements of Nevada's water pollution control law found at 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 surface waters. As this permit is for discharges to groundwater, and not surface water, the antidegradation regulation is not applicable.

**Special Conditions**
Please see the Special Approvals / Conditions Table below.

SA – Special Approvals / Conditions Table

| Item # | Description |
|---|---|
| 1 | Section B.PB.4.4 - Staff gauge may be replaced with sidewall depth markings as the method for recording the water level of the evaporation pond. This is still consistent with the *Ten State Standards (2014 Edition)*. |
| 2 | All discharge monitoring reports (DMRs) shall be submitted electronically through the Nevada NetDMR system. See Section C.1.3 of the standard conditions attached to the discharge permit. |
| 3 | After no less than two (2) years of data has been received and reviewed by the Division, the Permittee may request to have the sampling frequency of Outfall EFF reduced from quarterly to annually. Based on the data collected, the Division may conduct a minor modification to the permit in order to reduce the sampling frequency. |

**Discharges From Future Outfalls/ Planned Facility Changes**
The Permittee anticipates no discharges from any future outfalls or planned facility changes.

**Corrective Action Sites**
There are two closed Bureau of Corrective Actions (BCA) remediation sites located within a one-mile radius of the permitted discharge area:

1. Facility name: Ames Construction, Temporary Lay Down Yard
   Contaminant type: Diesel
2. Facility name: Granite Construction Company / Holder Construction
   Contaminant type: Diesel

**Wellhead Protection Program**
The outfall is 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 public water system (PWS) well.

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**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 digital copy, of an Operations and Maintenance (O&M) Manual for review and acceptance by the Division. The O&M Manual shall be compiled in accordance with appropriate sections of *WTS-2: Minimum Information Required for an Operations and Maintenance Manual*, and be prepared and wet stamped by a licensed, qualified Nevada engineer (P.E.). | 3/1/2027 |
| 2 | The Permittee shall submit two (2) copies, one hard copy and one digital copy, of a Reclaimed Water Management Plan (RWMP) for review and acceptance by the Division. The RWMP shall be compiled in accordance with appropriate sections of *WTS-1B: General Criteria for Preparing a Reclaimed Water Management Plan*, and be prepared and wet stamped by a licensed, qualified Nevada engineer (P.E.). Due to the nature of the facility, the RWMP shall include a *Legionella* monitoring program. | 3/1/2027 |

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**Deliverable Schedule:**

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

| Item # | Description | Interval | First Scheduled Due Date |
|---|---|---|---|
| 1 | Quarterly Discharge Monitoring Reports (DMRs) | Quarterly | 4/28/2027 |
| 2 | Annual Report (see Section C.1.2 of the discharge permit) | Annually | 1/28/2028 |

**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. **12/21/2026,** 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.

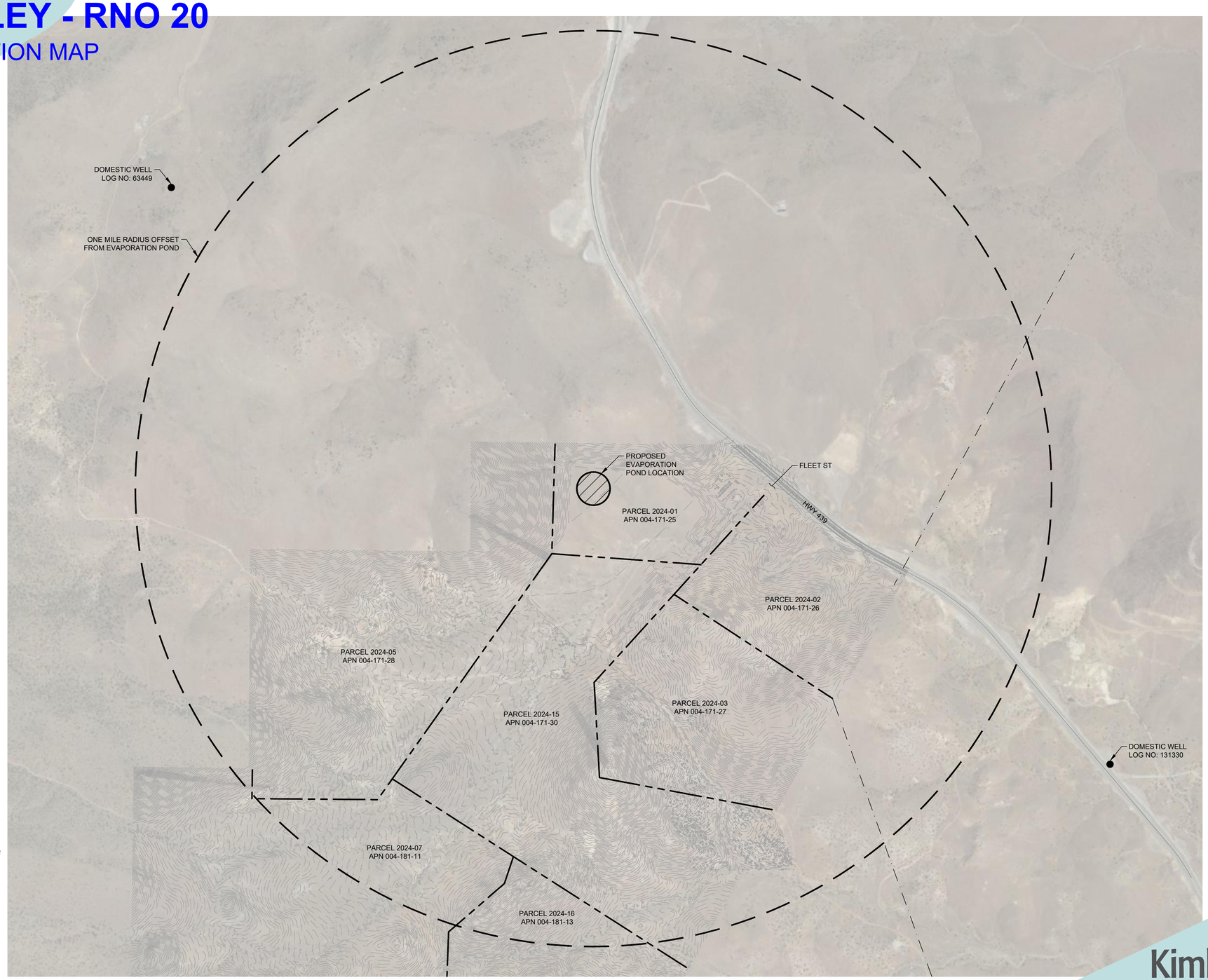
Prepared by: **Florida Nasategay**
Date: **11/18/2026**
Title: **Staff I, Associate Engineer**

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# SOUTH VALLEY - RNO 20

## NDEP WELL LOCATION MAP

APRIL 2026




NORTH

GRAPHIC SCALE IN FEET

0 300 600 1200

NOTES:

1. EXISTING SITE CONTOURS ARE DISPLAYED IN 5-FOOT INTERVALS.
2. NO CREEKS OR RIVERS ARE WITHIN THE BOUNDS OF THE ONE MILE RADIUS.
3. NO EARTHQUAKE FAULT LINES ARE WITHIN THE BOUNDS OF THE ONE MILE RADIUS.
4. NO WELLHEAD PROTECTION ZONE IS WITHIN THE BOUNDS OF THE ONE MILE RADIUS.
5. DEPTH TO GROUNDWATER IS APPROXIMATELY 102-124 FEET BELOW GROUND SURFACE PER THE WESTEX SUPPLEMENTAL GEOTECHNICAL INVESTIGATION REPORT DATED 03/07/2025.
6. AT LESS THAN 4 FEET DEPTH, THE ENCOUNTERED SOIL STRATA CONTAINS DOORKISS-CEEJAY ASSOCIATION AND DOORKISS-ISTER-CEEJAY ASSOCIATION. AT GREATER THAN 4 FEET DEPTH, THE ENCOUNTERED SOIL STRATA IS BEDROCK.
7. PREVAILING WINDS ARE IN THE NORTHWEST DIRECTION.

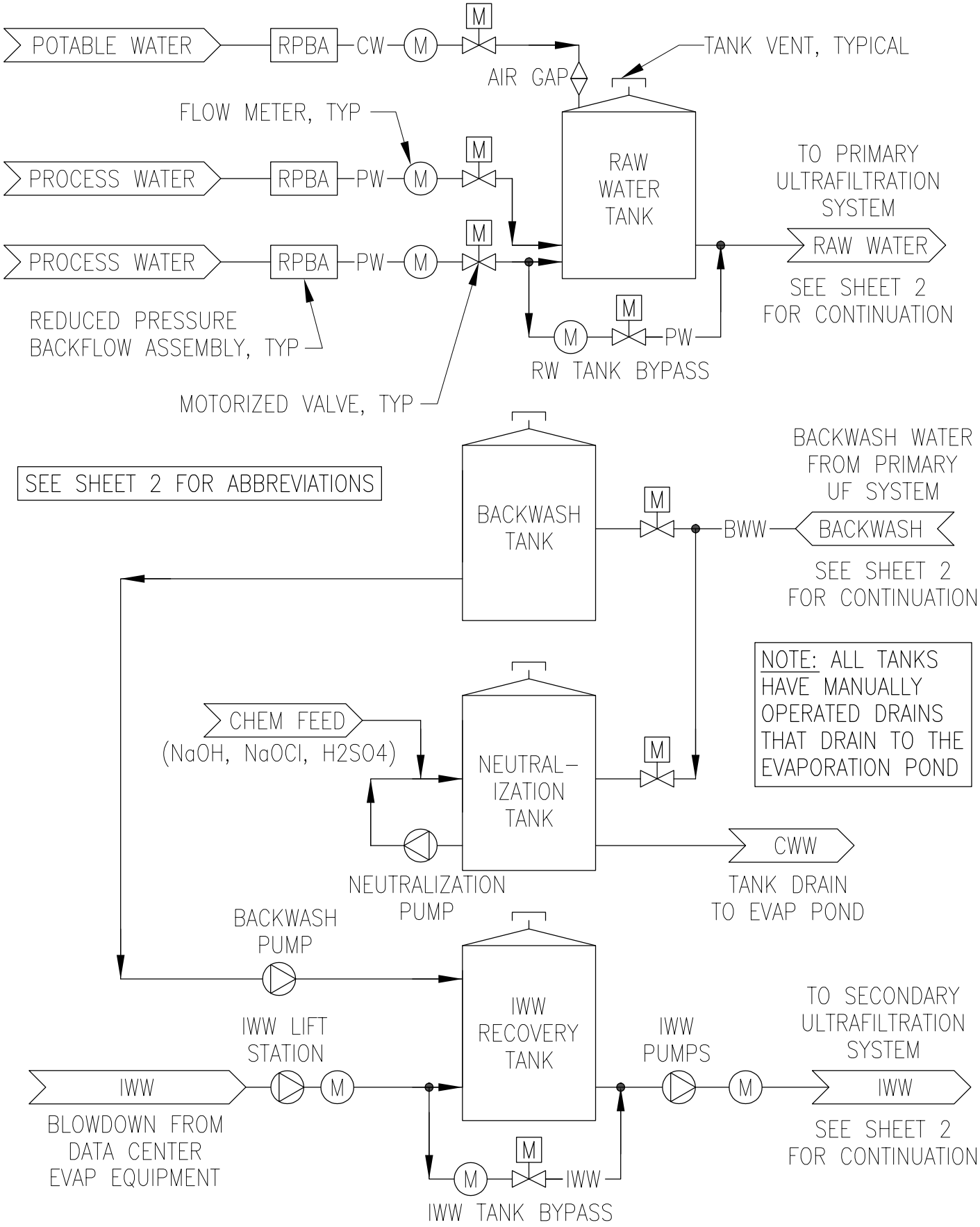
NOTE: THIS PLAN IS CONCEPTUAL IN NATURE

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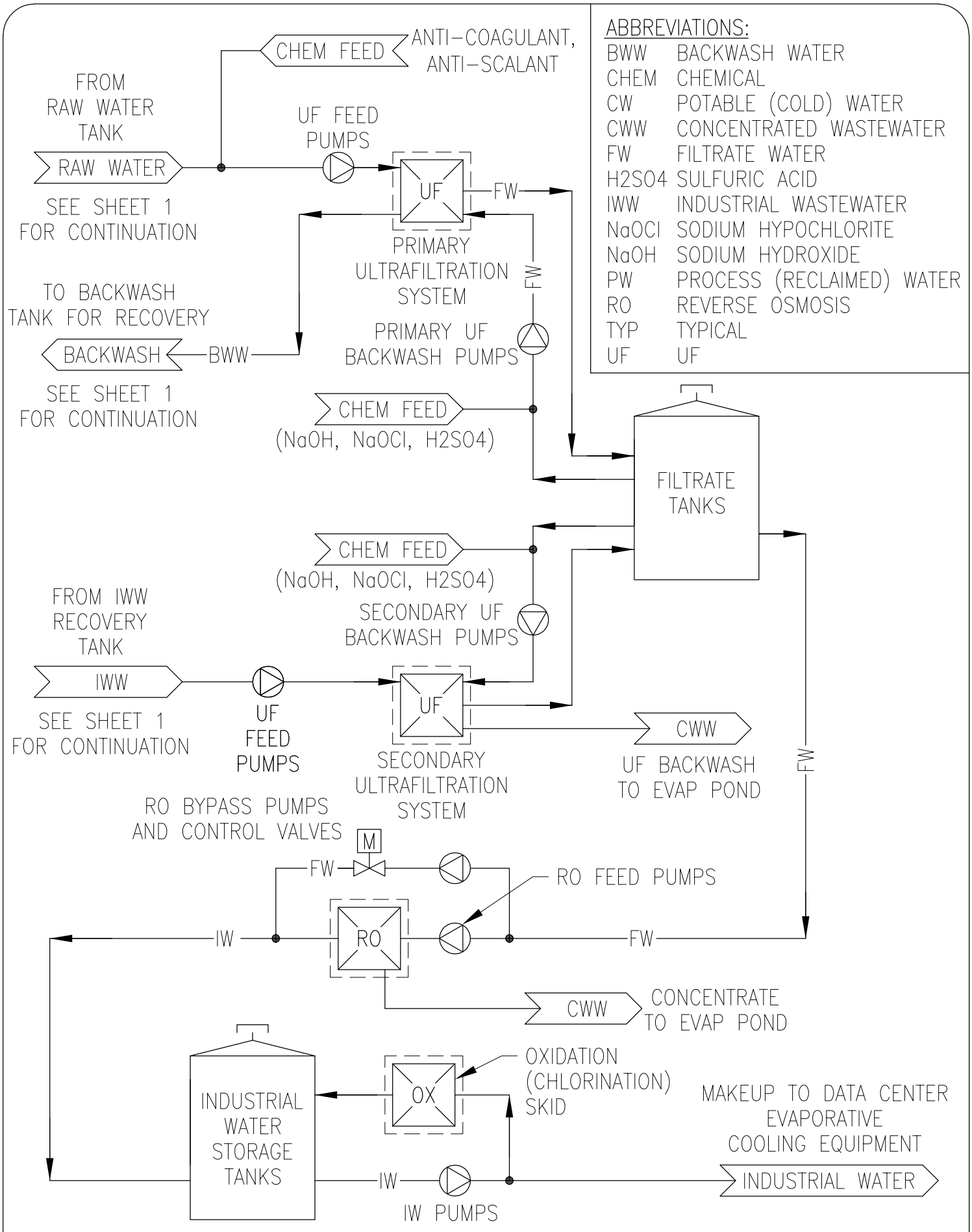

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# PROCESS FLOW DIAGRAM - SHEET 1

RAW WATER, INDUSTRIAL WASTEWATER RECOVERY, AND PRIMARY UF BACKWASH RECOVERY




# PROCESS FLOW DIAGRAM - SHEET 2

UF, RO, AND IW SYSTEMS