

**app_clearsprings_pnSTATE OF ARIZONA
AQUIFER PROTECTION PERMIT NO. P-100824
PLACE ID 9698, LTF 87662
SIGNIFICANT AMENDMENT**

1.0 AUTHORIZATION

In compliance with the provisions of Arizona Revised Statutes (A.R.S.) Title 49, Chapter 2, Articles 1, 2, and 3, Arizona Administrative Code (A.A.C.) Title 18, Chapter 9, Articles 1 and 2, A.A.C. Title 18, Chapter 11, Article 4 and amendments thereto, and the conditions set forth in this permit, the Arizona Department of Environmental Quality (ADEQ) hereby authorizes Hearthstone Water Arizona South, Inc. to operate the Clear Springs Wastewater Treatment Plant (WWTP) located at Allen Street west of US Highway 191, Sunsites, AZ, Cochise County, over the groundwater of the Willcox sub-basin.

This permit becomes effective on the date of the Water Quality Division Deputy Director's signature and shall be valid for the life of the facility (operational, closure, and post-closure periods) unless suspended or revoked pursuant to A.A.C. R18-9-A213. The permittee shall construct, operate and maintain the permitted facilities:

1. Following all the conditions of this permit including the design and operational information documented or referenced below, and
2. Such that Aquifer Water Quality Standards (AWQS) are not violated at the applicable point(s) of compliance (POC) set forth below or if an AWQS for a pollutant has been exceeded in an aquifer at the time of permit issuance, that no additional degradation of the aquifer relative to that pollutant and as determined at the applicable POC occurs as a result of the discharge from the facility.

1.1. PERMITTEE INFORMATION

Facility Name: Clear Springs Wastewater Treatment Plant
Facility Address: Allen Street west of US Highway 191
Sunsites, AZ 85625

County: Cochise

Permitted Flow Rate: 69,000 gallons per day (gpd)

Permittee: Hope Water Arizona South, Inc.
Permittee Address: 6808 N Dysart Rd Ste 116
Glendale, AZ 85307

Facility Contact: John Uhland, Operations Manager
Emergency Phone No.: (623) 233 - 1611

Latitude/Longitude: 31° 57' 14" N / 109° 50' 30" W
Legal Description: Township 17S, Range 25E, Section 18, NE ¼ SW ¼ of the Gila and Salt River
Baseline and Meridian

1.2. AUTHORIZING SIGNATURE

Randall Matas, Deputy Director
Water Quality Division
Arizona Department of Environmental Quality

Signed this _____ day of _____, 2026

TABLE OF CONTENTS

1.0 AUTHORIZATION 1

1.1. PERMITTEE INFORMATION 1

1.2. AUTHORIZING SIGNATURE 1

2.0 SPECIFIC CONDITIONS..... 5

2.1. FACILITY / SITE DESCRIPTION 5

2.1.1. Annual Registration Fee 5

2.1.2. Financial Capability..... 5

2.2. BEST AVAILABLE DEMONSTRATED CONTROL TECHNOLOGY (BADCT) 6

2.2.1. Engineering Design 6

2.2.2. Site-Specific Characteristics 6

2.2.3. Pre-Operational Requirements..... 6

2.2.4. Operational Requirements 6

2.2.5. Reclaimed Water Classification 6

2.2.6. Certified Areawide Water Quality Management Plan Conformance 6

2.3. DISCHARGE LIMITATIONS 6

2.4. POINT OF COMPLIANCE (POC)..... 7

2.5. MONITORING REQUIREMENTS 7

2.5.1. Pre-Operational Monitoring..... 7

2.5.2. Routine Discharge Monitoring 7

2.5.3. Reclaimed Water Monitoring 7

2.5.4. Facility / Operational Monitoring 7

2.5.5. Groundwater Monitoring and Sampling Protocols 8

2.5.5.1. *POC Well Replacement* 8

2.5.5.2. *Ambient Groundwater Quality Monitoring for POC Wells* 8

2.5.5.3. *Alert levels for POC Wells* 8

2.5.5.4. *Aquifer Quality Limits for POC Wells*..... 9

2.5.5.5. *Compliance Groundwater Quality Monitoring for POC Wells* 9

2.5.6. Surface Water Monitoring and Sampling Protocols 9

2.5.7. Analytical Methodology 9

2.5.8. Installation and Maintenance of Monitoring Equipment..... 10

2.6. CONTINGENCY PLAN REQUIREMENTS 10

2.6.1. General Contingency Plan Requirements 10

2.6.2. Exceeding of Alert Levels and Performance Levels 10

2.6.2.1. *Exceeding of Performance Levels Set for Operational Conditions*..... 10

2.6.2.2. *Exceeding of Alert Levels (ALs) Set for Discharge Monitoring*..... 11

2.6.2.2.1. Exceeding Permit Flow Limit 11

2.6.2.3. *Exceeding of Alert Levels in Groundwater Monitoring* 11

2.6.2.3.1. Alert Levels for Indicator Parameters 11

Not applicable..... 11

2.6.2.3.2. Alert Levels for Pollutants with Numeric Aquifer Water Quality Standards 11

2.6.2.3.3. Alert Levels to Protect Downgradient Users from Pollutants without Numeric Aquifer Water Quality Standards 12

2.6.2.3.4. Alert Level for Groundwater Level..... 12

2.6.3. Discharge Limit Violation 12

Not applicable..... 12

2.6.4. Aquifer Quality Limit Violation 13

2.6.5. Emergency Response and Contingency Requirements for Unauthorized Discharges 14

2.6.5.1. *Duty to Respond* 14

2.6.5.2. *Discharge of Hazardous Substances or Toxic Pollutants* 14

2.6.5.3. *Discharge of Non-Hazardous Materials* 14

2.6.5.4.	<i>Reporting Requirements</i>	14
2.6.6.	Corrective Actions	14
2.7.	REPORTING AND RECORDKEEPING REQUIREMENTS	15
2.7.1.	Self-Monitoring Report Form	15
2.7.2.	Operation Inspection / Log Book Recordkeeping	15
2.7.3.	Permit Violation and Alert Level Status Reporting	16
2.7.4.	Operational, Other or Miscellaneous Reporting	16
2.7.5.	Reporting Location	16
2.7.6.	Reporting Deadline	17
2.7.7.	Changes to Facility Information in Section 1.0 and Section 2.0	17
2.8.	TEMPORARY CESSATION	17
2.9.	CLOSURE	17
2.9.1.	Closure Plan	18
2.9.2.	Closure Completion	18
2.10.	POST-CLOSURE	18
2.10.1.	Post-Closure Plan	18
2.10.2.	Post-Closure Completion	18
3.0	COMPLIANCE SCHEDULE	19
4.0	TABLES OF MONITORING REQUIREMENTS	21
4.1.	PRE-OPERATIONAL MONITORING (OR CONSTRUCTION REQUIREMENTS)	21
4.2.	COMPLIANCE OR OPERATIONAL MONITORING	21
5.0	REFERENCES AND PERTINENT INFORMATION	30
6.0	NOTIFICATION PROVISIONS	30
6.1.	DUTY TO COMPLY	30
6.2.	DUTY TO PROVIDE INFORMATION	30
6.3.	COMPLIANCE WITH AQUIFER WATER QUALITY STANDARDS	30
6.4.	TECHNICAL AND FINANCIAL CAPABILITY	30
6.5.	REPORTING OF BANKRUPTCY OR ENVIRONMENTAL ENFORCEMENT	30
6.6.	INSPECTION AND ENTRY	31
6.7.	DUTY TO MODIFY	31
6.8.	PERMIT ACTION: AMENDMENT, TRANSFER, SUSPENSION, AND REVOCATION	31
7.0	ADDITIONAL PERMIT CONDITIONS	31
7.1.	OTHER INFORMATION	31
7.2.	SEVERABILITY	31
7.3.	PERMIT TRANSFER	31

TABLE OF TABLES

TABLE 1: DISCHARGING FACILITIES	5
TABLE 2: POINT OF COMPLIANCE	7
TABLE 3: ACCELERATED MONITORING - ALERT LEVEL EXCEEDANCE	11
TABLE 4: ACCELERATED MONITORING - AQUIFER QUALITY LIMIT VIOLATION	13
TABLE 5: QUARTERLY REPORTING DEADLINES	17
TABLE 6: (SEMI-)ANNUAL REPORTING DEADLINES	17
TABLE 7: COMPLIANCE SCHEDULE ITEMS	19
TABLE 8: ROUTINE FLOW MONITORING	21
TABLE 9: GROUNDWATER MONITORING – MW-2 (EXISTING WELL)	22
TABLE 10: PARAMETERS FOR AMBIENT GROUNDWATER MONITORING – MW-3 (PROPOSED POC WELL)	25

TABLE 11: GROUNDWATER MONITORING – MW-3 (PROPOSED POC WELL)..... 26
TABLE 12: FACILITY INSPECTION AND OPERATIONAL MONITORING 29

2.0 SPECIFIC CONDITIONS

[A.R.S. §§ 49-203(4), 49-241(A)]

2.1. FACILITY / SITE DESCRIPTION

[A.R.S. § 49-243(K)(8), and A.A.C. R18-5-114]

The permittee is authorized to operate the Clear Springs Wastewater Treatment Plant (WWTP) with a maximum average monthly flow of 69,000 gallons per day (gpd). ADEQ has graded this facility as a Grade 1 wastewater treatment plant. The facility shall have an operator in direct responsible charge who is certified for the class and grade of the facility and is available to the onsite representative and ensures an onsite operator visits the facility monthly.

Wastewater from the Sunsites retirement community and some local businesses is collected and treated in the evaporation ponds. The WWTP consists of a lift station, four clay/bentonite lined evaporative ponds and one overflow pond, having a total surface area of 6.4 acres and an average depth of 10 feet. Pond 3 was separated by a small intermediate berm to have two ponds, Pond 3N and Pond 3S. No industrial wastewater is received in the WWTP.

Wastewater is first pumped into Pond 1 from the lift station while all valves controlling direct flow to the other ponds are closed. As Pond 1 fills and gets close to full, wastewater from Pond 1 flows into overflow pipes to allow wastewater to flow either to Pond 2 or to Pond 3. Flows to ponds are managed by controlling valves during normal or emergency operations or during isolation of ponds for maintenance. All wastewater disposal is by evaporation and percolation. The sludge is disposed of to the Elfrida Regional Landfill in accordance with State and Federal regulations.

All industrial hookups and other non-residential hookups to the treatment system shall be authorized according to the applicable federal, state or local regulations.

The site includes the following permitted discharging facilities:

Table 1: DISCHARGING FACILITIES		
Facility	Latitude (North)	Longitude (West)
Clear Springs WWTP	31° 57' 17.3"	109° 50' 28.8"
Pond 1	31° 57' 14.1"	109° 50' 27.2"
Pond 2	31° 57' 16.5"	109° 50' 28.5"
Pond 3N	31° 57' 15.4"	109° 50' 30.9"
Pond 3S	31° 57' 13.5"	109° 50' 30.0"
Pond 4 (Overflow Pond)	31° 57' 19.0"	109° 50' 31.4"

2.1.1. Annual Registration Fee

[A.R.S. § 49-242 and A.A.C. R18-14-104]

The annual registration fee for this permit is payable to ADEQ each year. The annual registration fee flow rate is established by the permitted flow rate identified in Section 1.1. If the facility is not constructed or is incapable of discharge, the permittee may be eligible for reduced fees pursuant to Table 2 under A.A.C. R18-14-104(A). Send all correspondence requesting reduced fees to ADEQ. Please reference the permit number, LTF number, and the reason for requesting reduced fees under this rule.

2.1.2. Financial Capability

[A.R.S. § 49-243(N) and A.A.C. R18-9-A203]

The permittee has demonstrated financial capability under A.R.S. § 49-243(N) and A.A.C. R18-9-A203. The estimated dollar amount for facility closure is \$983,292. The financial capability was demonstrated through performance surety bond pursuant to A.A.C. R18-9-A203(C)(2).

2.2. BEST AVAILABLE DEMONSTRATED CONTROL TECHNOLOGY (BADCT)

[A.R.S. § 49-243(B) and A.A.C. R18-9-A202(A)(5)]

The treatment facility is designed, constructed, operated, and maintained to meet the treatment performance criteria for existing facilities as specified in A.A.C. R18-9-B205.

2.2.1. Engineering Design

The Clear Springs WWTP was designed as per the design report and design plans dated on March 13, 1972.

2.2.2. Site-Specific Characteristics

Site specific characteristics were not used to determine BADCT.

2.2.3. Pre-Operational Requirements

Not applicable.

2.2.4. Operational Requirements

1. The permittee shall maintain a copy of the up-to-date operations and maintenance manual at the treatment facility site at all times; the manual shall be available upon request during inspections by ADEQ personnel.
2. The pollution control structures shall be inspected for the items listed in Section 4.2, Table 12: FACILITY INSPECTION AND OPERATIONAL MONITORING
3. If any damage of the pollution control structures is identified during inspection, proper repair procedures shall be performed. All repair procedures and material(s) used shall be documented in the facility log book as per Section 2.7.2 and reported to ADEQ in the event of a violation or exceedance per Section 2.7.3

2.2.5. Reclaimed Water Classification

[A.A.C. R18-9-B701(C)(2)(a), A.A.C. R18-11-303 through 307]

Not Applicable.

2.2.6. Certified Areawide Water Quality Management Plan Conformance

[A.A.C. R18-9-A201(B)(6)(a)]

Facility operations must conform to the approved Certified Areawide Water Quality Management Plan according to the 208-consistency determination in place at the time of permit issuance.

2.3. DISCHARGE LIMITATIONS

[A.R.S. §§ 49-201(14), 49-243 and A.A.C. R18-9-A205(B)]

1. The permittee is authorized to operate the treatment facility with an average daily monthly maximum (ADMM) flow of 69,000 gpd.
2. The permittee shall notify all users that the materials authorized to be disposed of through the treatment facility are typical household sewage and pre-treated commercial wastewater and shall not include motor oil, gasoline, paints, varnishes, hazardous wastes, solvents, pesticides, fertilizers or other materials not generally associated with toilet flushing, food preparation, laundry facilities and personal hygiene.
3. The permittee shall operate and maintain all permitted facilities to prevent unauthorized discharges pursuant to A.R.S. § 49-201(12) resulting from failure or bypassing of applicable BADCT.

2.4. POINT OF COMPLIANCE (POC)

[A.R.S. § 49-244]

The Points of Compliance (POCs) have been established at the following locations:

Table 2: POINT OF COMPLIANCE					
POC #	POC Location	ADWR #	Latitude (North)	Longitude (West)	Screen Interval (ft)
MW-2	Northwest boundary of the property	55-570890	31° 57' 14.0"	109° 50' 30.0"	130-150
MW-3 (Proposed)	Near the MW-2 on the northeastern edge of the property	TBD ¹	31° 57' 19.8"	109° 50' 27.8"	TBD ¹

The depth to groundwater is approximately 326 ft below ground surface (bgs) and the groundwater flow direction is to the north-northeast.

Groundwater monitoring is required at the MW-2 and MW-3 POC wells. MW-2 is the existing POC well which will be monitored until a new proposed POC well - MW-3 is installed and commence routine groundwater monitoring under Table 11: GROUNDWATER MONITORING – MW-3 (Proposed POC Well).

The director may require an amendment of this permit to install additional monitoring wells if there is cause or concern that groundwater quality may be impacted at the POC. The Director may amend this permit to designate additional points of compliance if information on groundwater gradients or groundwater usage indicates the need.

2.5. MONITORING REQUIREMENTS

[A.R.S. § 49-243(K)(1), A.A.C. R18-9-A206(A)]

Unless otherwise specified in this permit, all monitoring required in this permit shall continue for the duration of the permit, regardless of the status of the facility. Unless otherwise provided, monitoring shall commence the first full monitoring period following permit issuance. All sampling, preservation and holding times shall be in accordance with currently accepted standards of professional practice. Trip blanks, equipment blanks and duplicate samples shall also be obtained, and Chain-of-Custody procedures shall be followed, in accordance with currently accepted standards of professional practice. Copies of laboratory analyses and Chain-of-Custody forms shall be maintained at the permitted facility. Upon request, these documents shall be made readily available for review by ADEQ personnel.

2.5.1. Pre-Operational Monitoring

Not Applicable.

2.5.2. Routine Discharge Monitoring

The permittee shall monitor the flow according to Section 4.2, Table 8: ROUTINE FLOW MONITORING.

2.5.3. Reclaimed Water Monitoring

Not Applicable.

2.5.4. Facility / Operational Monitoring

Operational monitoring inspections shall be conducted according to Section 4.2, Table 12: FACILITY INSPECTION AND OPERATIONAL MONITORING.

¹TBD-To be provided upon installation of the well.

If any damage of the pollution control structures is identified during inspection, proper repair procedures shall be performed. All repair procedures and materials used shall be documented in the facility log book as per Section 2.7.2 and reported to ADEQ in case of a violation or exceedance as per Section 2.7.3.

2.5.5. Groundwater Monitoring and Sampling Protocols

Static water levels shall be measured and recorded prior to sampling. Wells shall be purged of at least three borehole volumes (as calculated using the static water level) or until field parameters (pH, temperature, conductivity) are stable, whichever represents the greater volume. If evacuation results in the well going dry, the well shall be allowed to recover to 80 percent of the original borehole volume, or for 24 hours, whichever is shorter, prior to sampling. If after 24 hours there is not sufficient water for sampling, the well shall be recorded as “dry” for the monitoring event. An explanation for reduced pumping volumes, a record of the volume pumped, and modified sampling procedures shall be reported and submitted with the SMRF.

The permittee may conduct the sampling using low-flow purging methods in accordance with EPA, USGS, or DOD protocols. The well must be purged until indicator parameters stabilize. Indicator parameters shall include dissolved oxygen, turbidity, pH, temperature, and conductivity.

As a third alternative method for sampling within POC wells with very low recharge rates, the permittee may conduct the sampling using no-purge sampling techniques using HydraSleeve™ or similar type methodology. Otherwise, POC wells that are able to be purged, may conduct sampling using no-purge sampling techniques using HydraSleeve™ or similar type methodology, upon completion of a comparison sampling event by first collecting a groundwater sample by the no-purge method, followed by a groundwater sample collected using either the three-borehole volume or low-flow purging methods described above. If the results between the two sampling methods are within a relative percent difference of 10 percent, the no-purge method may be considered an acceptable method of sampling. The use of HydraSleeve™ or similar type samplers shall follow accepted EPA, USGS, or DOD protocols. In addition, the HydraSleeve™ or similar type sampler shall be placed just below the water table.

2.5.5.1. POC Well Replacement

In the event that one or more of the designated POC wells should become unusable or inaccessible due to damage, or any other event, a replacement POC well shall be constructed and installed upon approval by ADEQ. If the replacement well is fifty feet or less from the original well, the ALs and/or aquifer quality limits (AQLs) calculated for the designated POC well may apply to the replacement well.

2.5.5.2. Ambient Groundwater Quality Monitoring for POC Wells

In accordance with CSI No. 3 in Section 3.0 Compliance Schedule, the permittee shall complete a minimum of eight quarterly rounds of ambient groundwater monitoring for POC well MW-3 for all constituents listed in Section 4.2, Table 10: PARAMETERS FOR AMBIENT GROUNDWATER MONITORING – MW-3 (Proposed POC Well).

2.5.5.3. Alert levels for POC Wells

ALs shall be calculated for all contaminants with an established numeric AWQS for POC well MW-3 as described below:

As per the CSI No. 4, following receipt of the laboratory analyses for the final quarter of the ambient groundwater monitoring period for POC well MW-3 referenced in Section 3.0, Table 7: COMPLIANCE SCHEDULE ITEMS, the permittee shall submit an amendment application along with the ambient groundwater data in tabulated form to ADEQ for review. Copies of all laboratory analytical reports, field notes, and the Quality Assurance/Quality Control (QA/QC) procedures used in collection and analyses of the samples for all parameters listed in Section 4.2, Table 10: PARAMETERS FOR AMBIENT GROUNDWATER MONITORING – MW-3 (Proposed POC Well), shall be submitted to ADEQ. The

permittee may submit a report with the calculations for each AL and AQL included in the permit for review and approval by ADEQ, or the permittee may defer calculation of the ALs and AQLs by ADEQ. The ALs shall be established and calculated by the following formula, or another valid statistical method submitted to ADEQ in writing and approved for this permit by ADEQ:

$$AL = M + KS$$

Where M = mean, S = standard deviation, and K = one-sided normal tolerance interval with a 95% confidence level (Lieberman, G.J. (1958) Tables for One-sided Statistical Tolerance Limits: Industrial Quality Control, Vol XIV, No. 10). Obvious outliers should be excluded from the data used in the AL calculation.

The following criteria shall be met in establishing ALs in the permit:

1. The AL shall be calculated for a parameter using the analyses from a minimum of eight quarterly sample events.
2. Any data where the laboratory Practical Quantitation Limit (PQL) exceeds 80% of the AWQS shall not be included in the AL calculation.
3. If a parameter is below the detection limit, the permittee must report the value as “less than” the numeric value for the PQL or detection limit for the parameter, not just as “non-detect”. For those parameters, the permittee shall use a value of one-half the reported detection limit for the AL calculation.
4. If the analytical results from more than 50% of the samples for a specific parameter are non-detect, then the AL shall be set at 80% of the AWQS.
5. If the calculated AL for a specific constituent and well is less than 80% of the AWQS, the AL shall be set at 80% of the AWQS for that constituent in that well.

2.5.5.4. Aquifer Quality Limits for POC Wells

For each of the monitored analytes for which a numeric AWQS has been adopted, the AQL shall be established as follows:

1. If the calculated AL is less than the AWQS, then the AQL shall be set equal to the AWQS.
2. If the calculated AL is greater than the AWQS, then the AQL shall be set equal to the calculated AL value, and no AL shall be set for that constituent at that monitoring point

2.5.5.5. Compliance Groundwater Quality Monitoring for POC Wells

Quarterly compliance groundwater monitoring in POC well MW-3 shall commence within the first calendar quarter after completion of the ambient groundwater sampling period. For quarterly compliance monitoring, the permittee shall analyze groundwater samples for the parameters listed in Section 4.2. Table 11: GROUNDWATER MONITORING – MW-3 (Proposed POC Well).

2.5.6. Surface Water Monitoring and Sampling Protocols

Not applicable.

2.5.7. Analytical Methodology

All samples collected for compliance monitoring shall be analyzed using Arizona state-approved methods. If no state-approved method exists, then any appropriate EPA-approved method shall be used. Regardless of the method used, the detection limits must be sufficient to determine compliance with the regulatory limits of the parameters specified in this permit. If all methods have detection limits higher than the applicable limit, the permittee shall follow the applicable contingency requirements of Section 2.6 ‘Contingency Plan

Requirements' and may propose "other actions" including amending the permit to set higher limits. Analyses shall be performed by a laboratory licensed by the Arizona Department of Health Services, Office of Laboratory Licensure and Certification unless exempted under A.R.S. 36-495.02. For results to be considered valid, all analytical work shall meet quality control standards specified in the approved methods. A list of state-certified laboratories in Arizona can be obtained at the address below:

Arizona Department of Health Services
Office of Laboratory Licensure and Certification
250 North 17th Avenue
Phoenix, Arizona 85007
Phone: (602) 364-0720

2.5.8. Installation and Maintenance of Monitoring Equipment

Monitoring equipment required by this permit shall be installed and maintained so that representative samples required by the permit can be collected. If new groundwater wells are determined to be necessary, the construction details shall be submitted to ADEQ for approval prior to installation and the permit shall be amended to include any new monitoring points.

2.6. CONTINGENCY PLAN REQUIREMENTS

[A.R.S. § 49-243(K)(3), (K)(7) and A.A.C. R18-9-A204, R18-9-A205 and R18-9-C305(A)(1)]

2.6.1. General Contingency Plan Requirements

The permittee shall prepare and implement a contingency plan consistent with the circumstances and actions described in Sections 2.6.2 through 2.6.5 and with A.A.C. R18-9-A204. At least one copy of this permit and the contingency plan, referenced in Section 5.0, shall be maintained at the location where day-to-day decisions regarding the operation of the facility are made. A permittee shall advise all employees responsible for the operation of the facility of the location of the contingency plan. The permittee shall revise the contingency plans upon any significant change to the information contained in the plan.

Any AL exceedance, or violation of an AQL, DL, or other permit condition shall be reported to ADEQ following the reporting requirements in Section 2.7.3 Permit Violation and Alert Level Status Reporting, unless more specific reporting requirements are set forth in Section 2.6.2 through 2.6.5.

Some contingency actions involve verification sampling. Verification sampling shall consist of the first follow-up sample collected from a location that previously indicated a violation or the exceedance of an AL. Collection and analysis of the verification sample shall use the same protocols and test methods to analyze for the pollutant or pollutants that exceeded an AL or violated an AQL or DL. Where verification sampling is specified in this permit, it is the option of the permittee to perform such sampling. If verification sampling is not conducted within the timeframe allotted, ADEQ and the permittee shall presume the initial sampling result to be confirmed as if verification sampling had been conducted. The permittee is responsible for compliance with contingency actions relating to the exceedance of an AL or violation of a DL, AQL or any other permit condition. The permittee is subject to enforcement action for the failure to comply with any contingency actions in this permit.

2.6.2. Exceeding of Alert Levels and Performance Levels

2.6.2.1. Exceeding of Performance Levels Set for Operational Conditions

For freeboard performance levels, the permittee shall comply with the requirements as specified in Section 4.2, Table 12: FACILITY INSPECTION AND OPERATIONAL MONITORING to prevent the overtopping of a pond. If any pond is overtopped, the permittee shall follow the requirements in Section 2.6.5.3 and the reporting requirements of Section 2.7.3. This includes releases of more than 2,000 gallons of raw influent from the collection system or a lift station.

If a performance level set in Section 4.2, Table 12: FACILITY INSPECTION AND OPERATIONAL MONITORING has been exceeded the permittee shall:

1. Notify ADEQ within five (5) days of becoming aware of the exceedance per Section 2.7.5.
2. Submit a written report to ADEQ within thirty (30) days after becoming aware of the exceedance per Section 2.7.5. The report shall document all of the following:
 - a. A description of the exceedance and the cause of the exceedance;
 - b. The period of the exceedance, including exact date(s) and time(s), if known, and the anticipated time period during which the exceedance is expected to continue;
 - c. Any action taken or planned to mitigate the effects of the exceedance or spill, or to eliminate or prevent recurrence of the exceedance or spill;
 - d. Any monitoring activity or other information which indicates that any pollutants would be reasonably expected to cause a violation of an AWQS; and
 - e. Any malfunction or failure of pollution control devices or other equipment or process.

The facility is no longer on alert status once the operational indicator no longer indicates that a performance level is being exceeded. The permittee shall, however, complete all tasks necessary to return the facility to its pre-alert operating condition.

2.6.2.2. Exceeding of Alert Levels (ALs) Set for Discharge Monitoring

2.6.2.2.1. Exceeding Permit Flow Limit

1. If the AL for average monthly flow in Section 4.2, Table 8: ROUTINE FLOW MONITORING has been exceeded, the permittee shall submit an application to ADEQ for an APP amendment to expand the WRF, or submit a report detailing the reasons an expansion is not necessary. Acceptance of the report instead of an application for expansion requires ADEQ approval.

2.6.2.3. Exceeding of Alert Levels in Groundwater Monitoring

2.6.2.3.1. Alert Levels for Indicator Parameters

Not applicable.

2.6.2.3.2. Alert Levels for Pollutants with Numeric Aquifer Water Quality Standards

1. In the case of an exceedance of an AL for a pollutant set in Section 4.2, Table 9: GROUNDWATER MONITORING, the permittee may conduct verification sampling for those pollutant(s) that exceeded their respective AL(s) within five (5) days of becoming aware of the exceedance. The permittee may use results of another sample taken between the date of the last sampling event and the date of receiving the result as verification.
2. If verification sampling confirms the AL exceedance or if the permittee opts not to perform verification sampling, then the permittee shall increase the frequency of monitoring for each pollutant exceeding its' respective AL(s) as follows:

Table 3: ACCELERATED MONITORING - ALERT LEVEL EXCEEDANCE	
Specified Monitoring Frequency	Monitoring Frequency for AL Exceedance
Daily	Daily
Weekly	Daily
Monthly	Weekly

Table 3: ACCELERATED MONITORING - ALERT LEVEL EXCEEDANCE	
Quarterly	Monthly
Semi-annually	Quarterly
Annually	Quarterly

In addition, the permittee shall initiate an investigation of the cause of the AL exceedance within 24 hours, or as soon as practicable, including inspection of all discharging units and all related pollution control devices, review of any operational and maintenance practices that might have resulted in an unexpected discharge, and hydrologic review of groundwater conditions including upgradient water quality.

3. The permittee shall initiate actions identified in the contingency plan referenced in Section 5.0 and specific contingency measures identified in Section 2.6 CONTINGENCY PLAN REQUIREMENTS to resolve any problems identified by the investigation which may have led to an AL exceedance. To implement any other corrective action the permittee shall obtain prior approval from ADEQ according to Section 2.6.6. Alternatively, the permittee may submit a technical demonstration, subject to written approval by ADEQ, that although an AL has been exceeded, the pollutant(s) that exceeded their respective AL(s) are not reasonably expected to cause a violation of an AQL or AWQS. The demonstration may propose a revised AL or monitoring frequency, for those pollutant(s) that exceeded their respective AL(s), for approval in writing by ADEQ.
4. Within thirty (30) days after confirmation of an AL exceedance, for each pollutant that exceeded an AL, the permittee shall submit the laboratory results to ADEQ per Section 2.7.5 along with a summary of the findings of the investigation, the cause of the exceedance, and actions taken to resolve the problem.
5. Upon review of the submitted report, ADEQ may amend the permit to require additional monitoring, increased frequency of monitoring, amendments to permit conditions or other actions.
6. For each pollutant that exceeded an AL, the increased monitoring required as a result of an AL exceedance may be reduced to the monitoring frequency in Section 4.2, Table 9: GROUNDWATER MONITORING if the results of four sequential sampling events of those pollutants demonstrate that they did not exceed the AL.
7. If the increased monitoring required as a result of an AL exceedance continues for more than six (6) sequential sampling events, the permittee shall submit to ADEQ per Section 2.7.5 a second report documenting an investigation of each pollutant which continued to exceed an AL. This report is due within thirty (30) days of the receipt of laboratory results of the sixth sampling event.

2.6.2.3.3. Alert Levels to Protect Downgradient Users from Pollutants without Numeric Aquifer Water Quality Standards

Not required at time of issuance.

2.6.2.3.4. Alert Level for Groundwater Level

Not applicable.

2.6.3. Discharge Limit Violation

Not applicable.

2.6.4. Aquifer Quality Limit Violation

1. If an AQL set in Section 4.2, Table 9 or Table 11 has been exceeded, the permittee may conduct verification sampling for those pollutant(s) that were above their respective AQL(s) within five (5) days of becoming aware of the exceedance. The permittee may use results of another sample taken between the date of the last sampling event and the date of receiving the result as verification.
2. If verification sampling does not confirm an AQL exceedance, no further action is needed under this Section.
3. If verification sampling confirms that an AQL was exceeded for any parameter, or if the permittee opts not to perform verification sampling, then, the permittee shall increase the frequency of monitoring for those parameters as follows:

Specified Monitoring Frequency	Monitoring Frequency for AQL Violation
Daily	Daily
Weekly	Daily
Monthly	Weekly
Quarterly	Monthly
Semi-annually	Quarterly
Annually/Biennially	Quarterly

In addition, the permittee shall initiate an evaluation for the cause of the violation within 24 hours, or as soon as practicable, including inspection of all discharging units and all related pollution control devices, and review of any operational and maintenance practices that might have resulted in an unexpected discharge.

The permittee also shall submit a report according to Section 2.7.3 Permit Violation and Alert Level Status Reporting, which includes a summary of the findings of the investigation, the cause of the violation, and actions taken to resolve the problem. A verified exceedance of an AQL will be considered a violation unless the permittee demonstrates within thirty (30) days that the exceedance was not caused or contributed to by pollutants discharged from the facility. Unless the permittee has demonstrated that the exceedance was not caused or contributed to by pollutants discharged from the facility, the permittee shall consider and ADEQ may require corrective action that may include control of the source of discharge, cleanup of affected soil, surface water, or groundwater, and mitigation of the impact of pollutants on existing uses of the aquifer. Corrective actions shall either be specifically identified in this permit, included in the approved contingency plan, or separately approved according to Section 2.6.6 Corrective Actions.

4. Upon review of the submitted report, ADEQ may amend the permit to require additional monitoring, increased frequency of monitoring, amendments to permit conditions or other actions.
 - a. If an AQL for nitrogen species set in Section 4.2, Table 11: GROUNDWATER MONITORING – MW-3 (Proposed POC Well) has been exceeded in four consecutive samples, the permittee shall evaluate the effectiveness of discharge control technology at the facility that may include technology upgrades pursuant to A.A.C. R18-9-A204(B)(5) and submit a report according to Section 3.0, Compliance Schedule Item #8.
 - b. The permittee shall upgrade the BADCT at the WWTP which may include re-lining the evaporation ponds or installation of a new mechanical treatment plant pursuant to Section 3.0, Compliance Schedule Item #9. If the permittee determines BADCT upgrade is not necessary then submit a report detailing the reasons and justifying why it is not necessary. Acceptance of the report instead of an application for BADCT upgrade requires ADEQ approval.

5. The increased monitoring for those pollutant(s) required as a result of an AQL exceedance may be reduced to the original sampling frequency for each respective pollutant, if the results of three (3) sequential sampling events demonstrate that the parameter(s) does not exceed their respective AQL(s), and upon ADEQ approval.

2.6.5. Emergency Response and Contingency Requirements for Unauthorized Discharges

[A.R.S. § 49-201(12) and § 49-241]

2.6.5.1. Duty to Respond

Within 24 hours, or as soon as practicable, the permittee shall act to correct any condition resulting from a discharge pursuant to A.R.S. § 49-201(12) if that condition could pose an imminent and substantial endangerment to public health or the environment.

2.6.5.2. Discharge of Hazardous Substances or Toxic Pollutants

In the event of any unauthorized discharge pursuant to A.R.S. § 49-201(12) of suspected hazardous substances (A.R.S. § 49-201(19)) or toxic pollutants (A.R.S. § 49-243(I)) on the facility site, the permittee shall promptly isolate the area and attempt to identify the discharged material. The permittee shall record information, including name, nature of exposure and follow-up medical treatment, if necessary, on persons who may have been exposed during the incident. The permittee shall notify ADEQ within 24 hours of discovering the discharge of hazardous material which (a) has the potential to cause an AWQS or AQL exceedance, or (b) could pose an endangerment to public health or the environment.

2.6.5.3. Discharge of Non-Hazardous Materials

In the event of any unauthorized discharge pursuant to A.R.S. § 49-201(12) of non-hazardous materials from the facility, the permittee shall promptly attempt to cease the discharge and isolate the discharged material. Discharged material shall be removed and the site cleaned up as soon as possible. The permittee shall notify ADEQ within 24 hours of discovering the discharge of non-hazardous material which has the potential to cause an AQL or AWQS exceedance, or could pose an endangerment to public health or the environment.

2.6.5.4. Reporting Requirements

The permittee shall submit a written report for any unauthorized discharges reported under Sections 2.6.5.2 and 2.6.5.3 to ADEQ per Section 2.7.5 within thirty (30) days of the discharge or as required by subsequent ADEQ action. The report shall summarize the event, including any human exposure, and facility response activities and include all information specified in Section 2.7.3 Permit Violation and Alert Level Status Reporting. If a notice is issued by ADEQ subsequent to the discharge notification, any additional information requested in the notice shall also be submitted within the time frame specified in the notice. Upon review of the submitted report, ADEQ may require additional monitoring or corrective actions.

2.6.6. Corrective Actions

Specific contingency measures identified in Section 2.6 CONTINGENCY PLAN REQUIREMENTS have already been approved by ADEQ and do not require written approval to implement.

With the exception of emergency response actions taken under Section 2.6.5 Emergency Response and Contingency Requirements for Unauthorized Discharges, the permittee shall obtain written approval from ADEQ prior to implementing a corrective action to accomplish any of the following goals in response to exceedance of an AL, AQL, DL, or another permit condition:

1. Control of the source of an unauthorized discharge;
2. Soil cleanup;

3. Cleanup of affected surface waters;
4. Cleanup of affected parts of the aquifer;
5. Mitigation to limit the impact of pollutants on existing uses of the aquifer.

Within thirty (30) days of completion of any corrective action not specified in 2.6.1 through 2.6.5, the operator shall submit to ADEQ per Section 2.7.5, a written report describing the causes, impacts, and actions taken to resolve the problem.

2.7. REPORTING AND RECORDKEEPING REQUIREMENTS

[A.R.S. § 49-243(K)(2), A.A.C. R18-5-104, R18-9-A206(B), and R18-9-A207]

2.7.1. Self-Monitoring Report Form

1. The permittee shall complete the Self-Monitoring Reporting Forms (SMRFs) provided by ADEQ, and submit the completed report through the myDEQ online reporting system per Section 2.7.5. The permittee shall use the format devised by ADEQ.
2. The permittee shall complete the SMRF to the extent that the information reported may be entered on the form. If no information is required during a reporting period, the permittee shall enter “not required” on the form, include an explanation, and submit the form to ADEQ.
3. The tables contained in Section 4.0 list the monitoring parameters and the frequencies for reporting results on the SMRF:
 - a. Table 8: ROUTINE FLOW MONITORING
 - b. Table 9: GROUNDWATER MONITORING
 - c. Table 11: GROUNDWATER MONITORING – MW-3 (Proposed POC Well)

The parameters listed in the above-identified tables from Section 4.0 are the only parameters for which SMRF reporting is required.

2.7.2. Operation Inspection / Log Book Recordkeeping

A signed copy of this permit shall be maintained at all times at the location where day-to-day decisions regarding the operation of the facility are made. A log book (paper copies, forms, or electronic data) of the inspections and measurements required by this permit shall be maintained at the location where day-to-day decisions are made regarding the operation of the facility. The log book shall be retained for ten years from the date of each inspection, and upon request, the permit and the log book shall be made readily available for review by ADEQ personnel. The information in the log book shall include, but not be limited to, the following information as applicable:

1. Name of inspector;
2. Date and shift inspection was conducted;
3. Condition of applicable facility components;
4. Any damage or malfunction, and the date and time any repairs were performed;
5. Documentation of sampling date and time; and
6. Any other information required by this permit to be entered in the log book.
7. Monitoring records for each measurement shall comply with A.A.C. R18-9-A206(B)(2).
8. Monthly onsite operator site visit sign-in to comply with A.A.C. R18-5-104.

2.7.3. Permit Violation and Alert Level Status Reporting

1. The permittee shall notify ADEQ per Section 2.7.5 within five (5) days (except as provided in Section 2.6.5 Emergency Response and Contingency Requirements for Unauthorized Discharges) of becoming aware of an AL exceedance, or violation of any permit condition, AQL, or DL for which notification requirements are not specified in Sections 2.6.2 through 2.6.5.
2. The permittee shall submit a written report to ADEQ per Section 2.7.5 within thirty (30) days of becoming aware of the violation of any permit condition, AQL, or DL. The report shall document all of the following:
 - a. Identification and description of the permit condition for which there has been a violation and a description of the cause;
 - b. The period of violation including exact date(s) and time(s), if known, and the anticipated time period during which the violation is expected to continue;
 - c. Any corrective action taken or planned to mitigate the effects of the violation, or to eliminate or prevent a recurrence of the violation;
 - d. Any monitoring activity or other information which indicates that any pollutants would be reasonably expected to cause a violation of an AWQS;
 - e. Proposed changes to the monitoring which include changes in constituents or increased frequency of monitoring; and
 - f. Description of any malfunction or failure of pollution control devices or other equipment or processes.

2.7.4. Operational, Other or Miscellaneous Reporting

The permittee shall record the information as required in Section 4.2, Table 12: FACILITY INSPECTION AND OPERATIONAL MONITORING in the facility log book as per Section 2.7.2 Operation Inspection / Log Book Recordkeeping, and report to ADEQ any violations or exceedances as per Section 2.7.3 Permit Violation and Alert Level Status Reporting.

2.7.5. Reporting Location

All Self-Monitoring Report Forms (SMRFs) shall be submitted through the myDEQ portal accessible on ADEQ's website at: <https://www.azdeq.gov/mydeq>. Contact at 602-771-4571 for any inquiry related to the SMRFs.

5-day and 30-day contingency notification and reports, laboratory reports, and verification sampling results and Compliance Schedule Items per Section 3.0 required by this permit should be submitted through the myDEQ portal accessible on ADEQ's website at: <https://www.azdeq.gov/mydeq>.

If the required reports cannot be submitted, or require further documentation that cannot be submitted on the myDEQ portal, then submit items to APPContingencyreports@azdeq.gov or the address listed below:

The Arizona Department of Environmental Quality
Individual Aquifer Protection Program (APP) Unit - Groundwater Reclamation & Reuse Section
1110 West Washington Street
Phoenix, Arizona 85007
Phone (602) 771-4999

2.7.6. Reporting Deadline

The following table lists the quarterly report due dates:

Table 5: QUARTERLY REPORTING DEADLINES	
Monitoring Conducted During Quarter:	Quarterly Report Due By:
January-March	April 30
April-June	July 30
July-September	October 30
October-December	January 30

The following table lists the semi-annual and annual report due dates if applicable:

Table 6: (SEMI-)ANNUAL REPORTING DEADLINES	
Monitoring Conducted:	Report Due By:
Semi-annual: January-June	July 30
Semi-annual: July-December	January 30
Annual: January-December	January 30

2.7.7. Changes to Facility Information in Section 1.0 and Section 0

ADEQ shall be notified per Section 2.7.5 within ten days of any change of facility information including Facility Name, Permittee Name, Mailing or Street Address, Facility Contact Person, Certified Operator in Direct Responsible Charge or Emergency Telephone Number.

2.8. Temporary Cessation

[A.R.S. § 49-243(K)(8) and A.A.C. R18-9-A209(A)]

The permittee shall give written notice to ADEQ per Section 2.7.5 before ceasing operation of the facility for a period of 60 days or greater. The permittee shall take the following measures upon temporary cessation:

1. If applicable, direct the wastewater flows from the facility to another state-approved wastewater treatment facility;
2. Correct the problem that caused the temporary cessation of the facility; and
3. Notify ADEQ with a monthly facility status report describing the activities conducted on the treatment facility to correct the problem.
4. Submittal of Self-Monitoring Report Forms (SMRFs) is still required; report “temporary cessation” in the comment section.

At the time of notification, the permittee shall submit for ADEQ approval a plan for maintenance of discharge control systems and for monitoring during the period of temporary cessation. Following ADEQ approval, the permittee shall promptly implement the approved plan. If necessary, ADEQ shall amend permit conditions to incorporate conditions to address temporary cessation. During the period of temporary cessation, the permittee shall provide written notice to ADEQ of the operational status of the facility every three years. If the permittee intends to permanently cease operation of any facility, the permittee shall submit closure notification, as set forth in Section 2.9 below.

2.9. Closure

[A.R.S. §§ 49-243(K)(6), 49-252 and A.A.C. R18-9-A209(B)]

For a facility addressed under this permit, the permittee shall give written notice of closure to ADEQ per Section 2.7.5 of the intent to cease operation without resuming activity for which the facility was designed or operated. Submittal of SMRFs is still required; report “closure in process” in the comment section.

2.9.1. Closure Plan

Within 90 days following notification of closure, the permittee shall submit for approval to ADEQ per Section 2.7.5, a closure plan which meets the requirements of A.R.S. § 49-252 and A.A.C. R18-9-A209(B)(3).

If the results of the implemented closure plan achieves clean-closure, ADEQ will issue a letter of approval to the permittee. If the closure plan contains a schedule for bringing the facility to a clean-closure configuration at a future date, ADEQ may incorporate any part of the schedule as an amendment to this permit.

2.9.2. Closure Completion

Upon completion of closure activities, the permittee shall give written notice to ADEQ per Section 2.7.5 indicating that the approved closure plan has been implemented fully and providing supporting documentation to demonstrate that clean-closure has been achieved (soil sample results, verification sampling results, groundwater data, as applicable). If clean-closure has been achieved, ADEQ shall issue a letter of approval to the permittee at that time. If any of the following conditions apply, the permittee shall follow the terms of post-closure stated in this permit:

1. Clean-closure cannot be achieved at the time of closure notification or within one year thereafter under a diligent schedule of closure actions;
2. Further action is necessary to keep the facility in compliance with the AWQS at the applicable POC or, for any pollutant for which the AWQS was exceeded at the time this permit was issued, further action is necessary to prevent the facility from further degrading the aquifer at the applicable POC with respect to that pollutant;
3. Remedial, mitigative or corrective actions or controls are necessary to comply with A.R.S. § 49-201(36) and Title 49, Chapter 2, Article 3;
4. Further action is necessary to meet property use restrictions;

SMRF submittals are required until Clean Closure is issued.

2.10. Post-closure

[A.R.S. §§ 49-243(K)(6), 49-252 and A.A.C. R18-9 A209(C)]

Post-closure requirements shall be established based on a review of facility closure actions and will be subject to review and approval by ADEQ.

In the event clean-closure cannot be achieved pursuant to A.R.S. § 49-252, the permittee shall submit for approval to ADEQ a post-closure plan that addresses post-closure maintenance and monitoring actions at the facility. The post-closure plan shall meet all requirements of A.R.S. §§ 49-201(30) and 49-252 and A.A.C. R18-9-A209(C). Upon approval of the post-closure plan, this permit shall be amended or a new permit shall be issued to incorporate all post-closure controls and monitoring activities of the post-closure plan.

2.10.1. Post-Closure Plan

A specific post-closure plan may be required upon the review of the closure plan.

2.10.2. Post-Closure Completion

Not required at the time of permit issuance.

3.0 COMPLIANCE SCHEDULE

[A.R.S. § 49-243(K)(5) and A.A.C. R18-9-A208]

Unless otherwise indicated, for each compliance schedule item listed below, the permittee shall submit the required information to ADEQ per Section 2.7.5.

Table 7: COMPLIANCE SCHEDULE ITEMS			
No.	Description	Due By:	Permit Amendment Required?
Ambient Monitoring for POC Well MW-3			
1.	The permittee shall submit a well construction and installation proposal for the POC well MW-3 prior to installation. At a minimum, the proposal shall contain the following: well construction diagrams, proposed location (latitude and longitude), and a proposed installation schedule. The submittal shall be sealed by an Arizona Registered Geologist or other qualified registrant. The selected ambient monitoring schedule shall also be provided in the plan (eight consecutive quarterly samples).	Within 60 days of issuance of the permit	No
2.	The permittee shall begin installation of POC well MW-3 according to approved well construction design and installation proposal.	Within 120 days of ADEQ approval of the well construction design and installation proposal.	No
3.	The permittee shall begin ambient groundwater monitoring at the POC well MW-3, as required in Section 2.5.5.2 Error! Reference source not found. and for the parameters in Section Error! Reference source not found. 4.2, Table 10: PARAMETERS FOR AMBIENT GROUNDWATER MONITORING – MW-3 (Proposed POC Well) and notify to ADEQ regarding commencement of the ambient groundwater monitoring.	Within 30 days of the completion of the installation of POC well MW-3.	No
4.	Upon completion of ambient groundwater monitoring for POC Well MW-3, the permittee shall submit an APP amendment application (minor amendment category) along with an ambient groundwater monitoring report to establish ALs and AQLs. At a minimum, the report shall contain the following: copies of all ADWR documents related to the wells, as-built diagrams of the well, and latitude and longitude of MW-3. The report shall be sealed by an Arizona Registered Geologist or other qualified registrant. The groundwater monitoring Table 11 shall be updated to reflect the calculated ALs and AQLs. See Sections 2.5.5.3 and 2.5.5.4 for establishing ALs and AQLs. The permittee shall commence the routine groundwater monitoring for POC well MW-3 per Table 11 within the first calendar quarter after completion of the ambient groundwater sampling period upon completion of ambient groundwater monitoring per Table 10.	Within 60 days of the completion of ambient groundwater monitoring for POC well MW-3.	Yes

Table 7: COMPLIANCE SCHEDULE ITEMS			
No.	Description	Due By:	Permit Amendment Required?
5.	The permittee shall abandon the POC Well MW-2 and submit the report for well abandonment to ADEQ.	Within 180 days of the commencement of routine groundwater monitoring for MW-3 under Table 11	No
Financial Assurance Mechanism and Closure Cost Update			
6.	The permittee shall submit a demonstration that the financial assurance mechanism listed in Section 2.1, Financial Capability, is being maintained as per A.R.S. 49-243.N.4 and A.A.C. R18-9-A203(H) for all estimated closure and post-closure costs including updated costs submitted under Section 3.0, No. 2 below. The demonstration shall include a statement that the closure and post-closure strategy has not changed, the discharging facilities listed in the permit have not been altered in a manner that would affect the closure and post-closure costs, and discharging facilities have not been added.	By April 30, 2032 and every six years after that for the duration of the permit.	No
7.	The permittee shall submit updated cost estimates for facility closure and post-closure, as per A.A.C. R18-9-A201(B)(5) and A.R.S. 49-243.N.2.a.	By April 30, 2032 and every six years after that for the duration of the permit.	Yes
BADCT Upgrade			
8.	The permittee shall submit a report of the results of an investigation of the cause of the nitrogen species AQL exceedances at the groundwater POC well MW-3 and evaluation of the effectiveness of discharge control technology at the facility per Section 2.6.4(4)(a). If the permittee determines a BADCT upgrade is not necessary, detail the reasons justifying why it is not necessary per Section 2.6.4(4)(b).	Within 60 days of exceedance of nitrogen species set in Section 4.2, Table 11: GROUNDWATER MONITORING – MW-3 (Proposed POC Well) for four consecutive samples	No
9.	The permittee shall submit an amendment application to upgrade the BADCT for the facility per the evaluation report.	Within 180 days of approval of the evaluation report (CSI #8) by ADEQ	Yes

4.0 TABLES OF MONITORING REQUIREMENTS

4.1. PRE-OPERATIONAL MONITORING (OR CONSTRUCTION REQUIREMENTS)

Not applicable.

4.2. COMPLIANCE OR OPERATIONAL MONITORING

Table 8: ROUTINE FLOW MONITORING					
Sampling Point Number	Sampling Point Identification			Latitude (North)	Longitude (West)
1 ²	Influent flowmeter			31° 57' 15.6"	109° 50' 26.4"
Parameter	Alert Level	Discharge Limit	Units	Sampling Frequency	Reporting Frequency
Total Flow ³ : Daily ⁴	Not Applicable ⁵	Not Applicable	gpd ⁶	Daily	Quarterly
Total Flow: Monthly Average ⁷	65,000	69,000	gpd	Monthly Calculation	Quarterly

²All wastewater flow measurement devices must be recalibrated either biennially (every 2 years) or at the minimum frequency specified by the manufacturer. Wastewater flow measurement devices must be calibrated using the procedures specified by the device manufacturer (40 CFR § 98.354.e).

³Total influent flow to facility

⁴Total Daily Flow shall be measured using a continuous recording flow meter that totals the flows daily.

⁵Not Applicable means that monitoring is required, but no limits have been specified at the time of permit issuance.

⁶gpd – gallons per day

⁷Monthly Average means the calculated average of daily flow values in each calendar month

Table 9: GROUNDWATER MONITORING – MW-2 (Existing Well)⁸

Sampling Point Number	Sampling Point Identification			Latitude (North)	Longitude (West)
2	MW-2			31° 57' 18.6"	109° 50' 27.6"
Parameter	Alert Level	Aquifer Quality Limit	Units	Sampling Frequency	Reporting Frequency
Total Nitrogen ⁹	9.6	10.0	mg/l	Quarterly	Quarterly
Nitrate and Nitrite as N	9.6	10.0	mg/l	Quarterly	Quarterly
Total Kjeldahl Nitrogen (TKN)	9.6	10.0	mg/l	Quarterly	Quarterly
<i>E. coli</i>	Not Applicable	Non-detect	MPN ¹⁰	Quarterly	Quarterly
Water Level ¹¹	Not applicable	Not Applicable	Feet amsl ¹²	Quarterly	Quarterly
Cyanide (as free cyanide)	0.16	0.20	mg/l	Annually	Quarterly
Fluoride	3.2	4.0	mg/l	Annually	Quarterly
Metals (Total)					
Antimony	0.0048	0.0060	mg/l	Annually	Annually
Arsenic	0.04	0.05	mg/l	Annually	Annually
Barium	1.60	2.00	mg/l	Annually	Annually
Beryllium	0.0032	0.0040	mg/l	Annually	Annually
Cadmium	0.004	0.005	mg/l	Annually	Annually
Chromium	0.08	0.10	mg/l	Annually	Annually
Lead	0.04	0.05	mg/l	Annually	Annually
Mercury	0.0016	0.0020	mg/l	Annually	Annually
Nickel	0.08	0.10	mg/l	Annually	Annually
Selenium	0.04	0.05	mg/l	Annually	Annually
Thallium	0.0016	0.0020	mg/l	Annually	Annually

⁸The groundwater monitoring under Table 9 for MW-2 shall be discontinued upon commencement of the groundwater monitoring under Table 11: GROUNDWATER MONITORING – MW-3 (Proposed POC Well).

⁹Total Nitrogen = Nitrate as N + Nitrite as N + Total Kjeldahl Nitrogen

¹⁰MPN = Most Probable Number / 100 ml sample. For MPN, a value of <2.2 shall be considered to be non-detect

¹¹See Section 2.6.2.3.4.

¹²amsl = above mean sea level

Table 9: GROUNDWATER MONITORING (Continued)

Sampling Point Number	Sampling Point Identification			Latitude (North)	Longitude (West)
2	MW-2			31° 57' 18.6"	109° 50' 27.6"
Parameter	Alert Level	Aquifer Quality Limit	Units	Sampling Frequency	Reporting Frequency
Volatile and Semi-Volatile Organic Compounds (VOCs and SVOCs)					
Benzene	0.004	0.005	mg/l	Annually	Annually
Carbon tetrachloride	0.004	0.005	mg/l	Annually	Annually
o-Dichlorobenzene	0.48	0.6	mg/l	Annually	Annually
para-Dichlorobenzene	0.06	0.075	mg/l	Annually	Annually
1,2-Dichloroethane	0.004	0.005	mg/l	Annually	Annually
1,1-Dichloroethylene	0.0056	0.007	mg/l	Annually	Annually
cis-1,2-Dichloroethylene	0.056	0.07	mg/l	Annually	Annually
trans-1,2-Dichloroethylene	0.08	0.1	mg/l	Annually	Annually
Dichloromethane	0.004	0.005	mg/l	Annually	Annually
1,2-Dichloropropane	0.004	0.005	mg/l	Annually	Annually
Ethylbenzene	0.56	0.7	mg/l	Annually	Annually
Monochlorobenzene	0.08	0.1	mg/l	Annually	Annually
Styrene	0.08	0.1	mg/l	Annually	Annually
Tetrachloroethylene	0.004	0.005	mg/l	Annually	Annually
Toluene	0.8	1.0	mg/l	Annually	Annually
Trihalomethanes (total) ¹³	0.08	0.10	mg/l	Annually	Annually
1,2,4 - Trichlorobenzene	0.056	0.07	mg/l	Annually	Annually
1,1,1 - Trichloroethane	0.16	0.20	mg/l	Annually	Annually
1,1,2 - Trichloroethane	0.004	0.005	mg/l	Annually	Annually
Trichloroethylene	0.004	0.005	mg/l	Annually	Annually
Vinyl Chloride	0.0016	0.0020	mg/l	Annually	Annually
Xylenes (Total)	8.0	10.0	mg/l	Annually	Annually

¹³Total Trihalomethanes comprises of Bromoform, Bromodichloromethane, Chloroform, and Dibromochloromethane.

Table 9: GROUNDWATER MONITORING (Continued)

Sampling Point Number	Sampling Point Identification			Latitude (North)	Longitude (West)
2	MW-2			31° 57' 18.6"	109° 50' 27.6"
Parameter	Alert Level	Aquifer Quality Limit	Units	Sampling Frequency	Reporting Frequency
Pesticides					
Alachlor	0.0016	0.0020	mg/l	Annually	Annually
Atrazine	0.0024	0.0030	mg/l	Annually	Annually
Carbofuran	0.032	0.040	mg/l	Annually	Annually
Chlordane	0.0016	0.0020	mg/l	Annually	Annually
Dalapon	0.16	0.20	mg/l	Annually	Annually
1,2-Dibromo-3-Chloropropane (DBCP)	0.00016	0.00020	mg/l	Annually	Annually
2,4-Dichlorophenoxyacetic acid (2,4-D)	0.056	0.070	mg/l	Annually	Annually
Dinoseb	0.0056	0.0070	mg/l	Annually	Annually
Diquat	0.016	0.020	mg/l	Annually	Annually
Endothall	0.08	0.10	mg/l	Annually	Annually
Endrin	0.0016	0.0020	mg/l	Annually	Annually
Ethylene Dibromide (EDB)	0.00004	0.00005	mg/l	Annually	Annually
Glyphosphate	0.56	0.70	mg/l	Annually	Annually
Heptachlor	0.00032	0.00040	mg/l	Annually	Annually
Heptachlor Epoxide	0.00016	0.00020	mg/l	Annually	Annually
Lindane	0.00016	0.00020	mg/l	Annually	Annually
Methoxychlor	0.032	0.040	mg/l	Annually	Annually
Oxamyl	0.16	0.20	mg/l	Annually	Annually
Picioram	0.40	0.50	mg/l	Annually	Annually
Simazine	0.0032	0.0040	mg/l	Annually	Annually
Toxaphene	0.0024	0.0030	mg/l	Annually	Annually
2,4,5-Trichlorophenoxypropionic acid (2,4,5-TP or Silvex)	0.04	0.05	mg/l	Annually	Annually

Table 10: PARAMETERS FOR AMBIENT GROUNDWATER MONITORING – MW-3 (Proposed POC Well)^{14,15}
(in mg/L unless otherwise noted)

Sampling Point Number	Sampling Point Identification	Latitude (North)	Longitude (West)
3	MW-3	TBD	TBD
Pollutants			
Inorganic	Volatile and Semi-Volatile Organic Compounds (VOCs and SVOCs)	Pesticides	
Total Nitrogen	Benzene	Alachlor	
Nitrate as N	Carbon tetrachloride	Atrazine	
Nitrite as N	o-Dichlorobenzene	Carbofuran	
Nitrate and Nitrite as N	para-Dichlorobenzene	Chlordane	
Total Kjeldahl Nitrogen (TKN)	1,2-Dichloroethane	Dalapon	
<i>E. coli</i> in MPN ¹⁶	1,1-Dichloroethylene	1,2-Dibromo-3-Chloropropane (DBCP)	
Cyanide (as free cyanide)	cis-1,2-Dichloroethylene	2,4-Dichlorophenoxyacetic acid (2,4-D)	
Fluoride	trans-1,2-Dichloroethylene	Dinoseb	
Water Level in Feet amsl ¹⁷	Dichloromethane	Diquat	
Metals (Dissolved)	1,2-Dichloropropane	Endothall	
Antimony	Ethylbenzene	Endrin	
Arsenic	Haloacetic Acids	Ethylene Dibromide (EDB)	
Barium	Hexachlorobenzene	Glyphosphate	
Bromate	Hexachlorocyclopentadiene	Heptachlor	
Beryllium	Monochlorobenzene	Heptachlor Epoxide	
Cadmium	Styrene	Lindane	
Chlorite	Tetrachloroethylene	Methoxychlor	
Chromium	Toluene	Oxamyl	
Lead	Trihalomethanes (total) ¹⁸ Error! Bookmark not defined.	Picioram	
Mercury	1,2,4 - Trichlorobenzene	Simazine	
Nickel	1,1,1-Trichloroethane	Toxaphene	
Selenium	1,1,2 - Trichloroethane	2,4,5 -Trichlorophenoxypropionic acid (2,4,5 -TP or Silvex)	
Thallium	Trichloroethylene		
Uranium	Vinyl Chloride		
	Xylenes (Total)		

¹⁴The permittee shall conduct a minimum of eight rounds of quarterly ambient groundwater monitoring for the proposed POC Well MW-3 according to Section 3.0, CSI #3. Upon completion of the ambient monitoring, a report shall be submitted to ADEQ along with an amendment application per Section 3.0, CSI #4.

¹⁵Upon completion of an ambient groundwater monitoring, the permittee shall commence the routine groundwater monitoring per Table 11: GROUNDWATER MONITORING – MW-3 (Proposed POC Well) within the first calendar quarter after completion of the ambient groundwater sampling period.

¹⁶MPN = Most Probable Number/100 ml sample. For MPN, a value of <2.2 shall be considered to be non-detect.

¹⁷amsl = above mean sea level

¹⁸Total Trihalomethanes comprises of Bromoform, Bromodichloromethane, Chloroform, and Dibromochloromethane.

Table 11: GROUNDWATER MONITORING – MW-3 (Proposed POC Well)¹⁹

Sampling Point Number	Sampling Point Identification			Latitude (North)	Longitude (West)
3	MW-3			TBD	TBD
Parameter	Alert Level	Aquifer Quality Limit	Units	Sampling Frequency	Reporting Frequency
Total Nitrogen ²⁰	Reserved	Reserved	mg/l	Quarterly	Quarterly
Nitrate and Nitrite as N	Reserved	Reserved	mg/l	Quarterly	Quarterly
Nitrate as N	Reserved	Reserved	mg/l	Quarterly	Quarterly
Nitrite as N	Reserved	Reserved	mg/l	Quarterly	Quarterly
Total Kjeldahl Nitrogen (TKN)	Reserved	Reserved	mg/l	Quarterly	Quarterly
<i>E. coli</i>	Reserved	Reserved	MPN	Quarterly	Quarterly
Water Level	Reserved	Reserved	Feet amsl ²¹	Quarterly	Quarterly
Cyanide (as free cyanide)	Reserved	Reserved	mg/l	Annually	Annually
Fluoride	Reserved	Reserved	mg/l	Annually	Annually
Metals (Total)					
Antimony	Reserved	Reserved	mg/l	Annually	Annually
Arsenic	Reserved	Reserved	mg/l	Annually	Annually
Bromate	Reserved	Reserved	mg/l	Annually	Annually
Barium	Reserved	Reserved	mg/l	Annually	Annually
Beryllium	Reserved	Reserved	mg/l	Annually	Annually
Cadmium	Reserved	Reserved	mg/l	Annually	Annually
Chlorate	Reserved	Reserved	mg/l	Annually	Annually
Chromium	Reserved	Reserved	mg/l	Annually	Annually
Lead	Reserved	Reserved	mg/l	Annually	Annually
Mercury	Reserved	Reserved	mg/l	Annually	Annually
Nickel	Reserved	Reserved	mg/l	Annually	Annually
Selenium	Reserved	Reserved	mg/l	Annually	Annually
Thallium	Reserved	Reserved	mg/l	Annually	Annually
Uranium	Reserved	Reserved	mg/l	Annually	Annually

¹⁹The routine groundwater monitoring under this table shall commence within the first calendar quarter after completion of the ambient groundwater sampling period under Table 10: PARAMETERS FOR AMBIENT GROUNDWATER MONITORING – MW-3 (Proposed POC Well).

²⁰Total Nitrogen = Nitrate as N + Nitrite as N + Total Kjeldahl Nitrogen

²¹amsl = above mean sea level

Table 11: GROUNDWATER MONITORING – MW-3 (Continued)

Sampling Point Number	Sampling Point Identification			Latitude (North)	Longitude (West)
3	MW-3			TBD	TBD
Parameter	Alert Level	Aquifer Quality Limit	Units	Sampling Frequency	Reporting Frequency
Volatile and Semi-Volatile Organic Compounds (VOCs and SVOCs)					
Benzene	Reserved	Reserved	mg/l	Annually	Annually
Carbon tetrachloride	Reserved	Reserved	mg/l	Annually	Annually
o-Dichlorobenzene	Reserved	Reserved	mg/l	Annually	Annually
para-Dichlorobenzene	Reserved	Reserved	mg/l	Annually	Annually
1,2-Dichloroethane	Reserved	Reserved	mg/l	Annually	Annually
1,1-Dichloroethylene	Reserved	Reserved	mg/l	Annually	Annually
cis-1,2-Dichloroethylene	Reserved	Reserved	mg/l	Annually	Annually
trans-1,2-Dichloroethylene	Reserved	Reserved	mg/l	Annually	Annually
Dichloromethane	Reserved	Reserved	mg/l	Annually	Annually
1,2-Dichloropropane	Reserved	Reserved	mg/l	Annually	Annually
Ethylbenzene	Reserved	Reserved	mg/l	Annually	Annually
Haloacetic Acids	Reserved	Reserved	mg/l	Annually	Annually
Monochlorobenzene	Reserved	Reserved	mg/l	Annually	Annually
Styrene	Reserved	Reserved	mg/l	Annually	Annually
Tetrachloroethylene	Reserved	Reserved	mg/l	Annually	Annually
Toluene	Reserved	Reserved	mg/l	Annually	Annually
Trihalomethanes (total) ²²	Reserved	Reserved	mg/l	Annually	Annually
1,2,4 - Trichlorobenzene	Reserved	Reserved	mg/l	Annually	Annually
1,1,1 - Trichloroethane	Reserved	Reserved	mg/l	Annually	Annually
1,1,2 - Trichloroethane	Reserved	Reserved	mg/l	Annually	Annually
Trichloroethylene	Reserved	Reserved	mg/l	Annually	Annually
Vinyl Chloride	Reserved	Reserved	mg/l	Annually	Annually
Xylenes (Total)	Reserved	Reserved	mg/l	Annually	Annually

²²Total Trihalomethanes comprises of Bromoform, Bromodichloromethane, Chloroform, and Dibromochloromethane.

Table 11: GROUNDWATER MONITORING – MW-3 (Continued)

Sampling Point Number	Sampling Point Identification			Latitude (North)	Longitude (West)
3	MW-3			TBD	TBD
Parameter	Alert Level	Aquifer Quality Limit	Units	Sampling Frequency	Reporting Frequency
Pesticides					
Alachlor	Reserved	Reserved	mg/l	Annually	Annually
Atrazine	Reserved	Reserved	mg/l	Annually	Annually
Carbofuran	Reserved	Reserved	mg/l	Annually	Annually
Chlordane	Reserved	Reserved	mg/l	Annually	Annually
Dalapon	Reserved	Reserved	mg/l	Annually	Annually
1,2-Dibromo-3-Chloropropane (DBCP)	Reserved	Reserved	mg/l	Annually	Annually
2,4-Dichlorophenoxyacetic acid (2,4-D)	Reserved	Reserved	mg/l	Annually	Annually
Dinoseb	Reserved	Reserved	mg/l	Annually	Annually
Diquat	Reserved	Reserved	mg/l	Annually	Annually
Endothall	Reserved	Reserved	mg/l	Annually	Annually
Endrin	Reserved	Reserved	mg/l	Annually	Annually
Ethylene Dibromide (EDB)	Reserved	Reserved	mg/l	Annually	Annually
Glyphosphate	Reserved	Reserved	mg/l	Annually	Annually
Heptachlor	Reserved	Reserved	mg/l	Annually	Annually
Heptachlor Epoxide	Reserved	Reserved	mg/l	Annually	Annually
Lindane	Reserved	Reserved	mg/l	Annually	Annually
Methoxychlor	Reserved	Reserved	mg/l	Annually	Annually
Oxamyl	Reserved	Reserved	mg/l	Annually	Annually
Picioram	Reserved	Reserved	mg/l	Annually	Annually
Simazine	Reserved	Reserved	mg/l	Annually	Annually
Toxaphene	Reserved	Reserved	mg/l	Annually	Annually
2,4,5-Trichlorophenoxypropionic acid (2,4,5-TP or Silvex)	Reserved	Reserved	mg/l	Annually	Annually

Table 12: FACILITY INSPECTION AND OPERATIONAL MONITORING

Pond Freeboard	Minimum of Three (3) Linear Feet	Weekly	See Section 2.7.3
Pump Integrity	Good working condition	Weekly	
Treatment Plant Components	Good working condition	Weekly	
Pond Berm Integrity	No visible structural damage, breach, or erosion of embankments	Weekly	
Pond Liner Integrity	No cracks or leaks	Weekly	
Pond Vegetation Removal	Maintain a procedure to control excessive vegetation that may impact the integrity of the impoundment or inhibit access	Monthly	
Effect of land subsidence and earth fissures on treatment components	Visually monitor for any signs of fissures development and no visual noticeable structural impairment at the treatment plant	Monthly	See Sections 2.7.3 and 2.5.5.1
POC Wells	Well cap and seals are intact. No discernable corrosion or deterioration of the well(s). No discernable materials accumulating in the well. Any dedicated well equipment are functional and intact.	Quarterly	

5.0 REFERENCES AND PERTINENT INFORMATION

The terms and conditions set forth in this permit have been developed based upon the information contained in the following, which are on file with ADEQ:

APP Application, dated: 08/08/2024

Contingency Plan, date and name 09/11/2024, Clear Springs Utilities WWTP Contingency and Emergency Response Plan

6.0 NOTIFICATION PROVISIONS

6.1 Duty to Comply

[A.R.S. §§ 49-221 through 263]

The permittee is notified of the obligation to comply with all conditions of this permit and all applicable provisions of Title 49, Chapter 2, Articles 1, 2 and 3 of the Arizona Revised Statutes, Title 18, Chapter 9, Articles 1 through 4, and Title 18, Chapter 11, Article 4 of the Arizona Administrative Code. Any permit non-compliance constitutes a violation and is grounds for an enforcement action pursuant to Title 49, Chapter 2, Article 4 or permit amendment, suspension, or revocation.

6.2 Duty to Provide Information

[A.R.S. §§ 49-243(K)(2) and 49-243(K)(8)]

The permittee shall furnish to the Director, or an authorized representative, within a time specified, any information which the Director may request to determine whether cause exists for amending or terminating this permit, or to determine compliance with this permit. The permittee shall also furnish to the Director, upon request, copies of records required to be kept by this permit.

6.3 Compliance with Aquifer Water Quality Standards

[A.R.S. §§ 49-243(B)(2) and 49-243(B)(3)]

The permittee shall not cause or contribute to a violation of an Aquifer Water Quality Standard (AWQS) at the applicable point of compliance for the facility. Where, at the time of issuance of the permit, an aquifer already exceeds an AWQS for a pollutant, the permittee shall not discharge that pollutant so as to further degrade, at the applicable POC for the facility, the water quality of any aquifer for that pollutant.

6.4 Technical and Financial Capability

[A.R.S. §§ 49-243(K)(8) and 49-243(N) and A.A.C. R18-9-A202(B) and R18-9-A203(E) and (F)]

The permittee shall have and maintain the technical and financial capability necessary to fully carry out the terms and conditions of this permit. Any bond, insurance policy, trust fund, or other financial assurance mechanism provided as a demonstration of financial capability, pursuant to A.A.C. R18-9-A203(C), shall be in effect prior to any discharge authorized by this permit and shall remain in effect for the duration of the permit.

6.5 Reporting of Bankruptcy or Environmental Enforcement

[A.A.C. R18-9-A207(C)]

The permittee shall notify the Director within five days after the occurrence of any one of the following:

1. the filing of bankruptcy by the permittee; or
2. the entry of any order or judgment not issued by the Director against the permittee for the enforcement of any environmental protection statute or rule.

6.6. Inspection and Entry

[A.R.S. §§ 49-1009, 49-203(B), and 49-243(K)(8)]

In accordance with A.R.S. §§ 41-1009 and 49-203(B), the permittee shall allow the Director, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to enter and inspect the facility as reasonably necessary to ensure compliance with Title 49, Chapter 2, Article 3 of the Arizona Revised Statutes, and Title 18, Chapter 9, Articles 1 through 4 of the Arizona Administrative Code and the terms and conditions of this permit.

6.7. Duty to Modify

[A.R.S. § 49-243(K)(8) and A.A.C. R18-9-A211]

The permittee shall apply for a permit amendment prior to making changes to the design or operational practices authorized by this permit.

6.8. Permit Action: Amendment, Transfer, Suspension, and Revocation

[A.R.S. §§ 49-201, 49-241 through 251, A.A.C. R18-9-A211, R18-9-A212 and R18-9-A213]

This permit may be amended, transferred, suspended, or revoked for cause, under the rules of ADEQ. The permittee shall notify ADEQ in writing within 15 days after any change in the owner or operator of the facility. The notification shall state the permit number, the name of the facility, the date of property transfer, and the name, address, and phone number where the new owner or operator can be reached. The operator shall advise the new owner or operators of the terms of this permit and the need for permit transfer in accordance with the rules.

7.0 ADDITIONAL PERMIT CONDITIONS

7.1. Other Information

[A.R.S. §49-243(K)(8)]

Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Director, the permittee shall promptly submit the correct facts or information.

7.2. Severability

[A.R.S. §49-201, 49-241 through 251, A.A.C. R18-9-A211, R18-9-A212 and R18-9-A213]

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. The filing of a request by the permittee for a permit action does not stay or suspend the effectiveness of any existing permit condition.

7.3. Permit Transfer

This permit may not be transferred to any other person except after notice to and approval of the transfer by ADEQ. No transfer shall be approved until the applicant complies with all transfer requirements as specified in A.A.C. R18-9-A212(B) and (C).