

STATE OF ARIZONA
AQUIFER PROTECTION PERMIT NO. P-100370
PLACE ID 854, LTF 87205
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 Town of Florence to operate the Town of Florence South Waste Water Treatment Plant located in Florence, Arizona, in Pinal County, over groundwater of the Eloy sub-basin in the Pinal Active Management Area in Township 05S, Range 09E, Section 03, NE¼, of the Gila and Salt River Baseline and Meridian.

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: Town of Florence South Waste Water Treatment Plant
Facility Address: 100 South Plant Road
Florence, Arizona, 85132
County: Pinal

Permitted Flow Rate: 2,500,000 gallons per day (gpd)

Permittee: Town of Florence
Permittee Address: 100 South Plant Road
Florence, Arizona 85132

Facility Contact: Timm Wainscott, Utilities Superintendent
Emergency Phone No.: (520) 868 - 7619

Latitude/Longitude: 33° 01' 48" N / 111 °24' 25" W
Legal Description: Township 05N, Range 09W, Section 03, NE¼, 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 _____, 2023

THIS AMENDED PERMIT SUPERSEDES ALL PREVIOUS PERMITS

TABLE OF CONTENTS

1.0	AUTHORIZATION	1
1.1.	PERMITTEE INFORMATION.....	1
1.2.	AUTHORIZING SIGNATURE.....	1
2.0	SPECIFIC CONDITIONS	4
2.1.	FACILITY / SITE DESCRIPTION	4
2.1.1.	Annual Registration Fee.....	5
2.1.2.	Financial Capability	5
2.2.	BEST AVAILABLE DEMONSTRATED CONTROL TECHNOLOGY (BADCT).....	5
2.2.1.	Engineering Design	5
2.2.2.	Site-Specific Characteristics.....	5
2.2.3.	Pre-Operational Requirements	5
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).....	6
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.	<i>POC Well Replacement</i>	8
2.5.6.	Surface Water Monitoring and Sampling Protocols.....	8
2.5.7.	Analytical Methodology.....	8
2.5.8.	Installation and Maintenance of Monitoring Equipment.....	8
2.6.	CONTINGENCY PLAN REQUIREMENTS.....	9
2.6.1.	General Contingency Plan Requirements.....	9
2.6.2.	Exceeding of Alert Levels and Performance Levels	9
2.6.2.1.	<i>Exceeding of Performance Levels Set for Operational Conditions</i>	9
2.6.2.2.	<i>Exceeding of Alert Levels (ALs) Set for Discharge Monitoring</i>	10
2.6.2.2.1.	Exceeding Permit Flow Limit.....	10
2.6.2.3.	<i>Exceeding of Alert Levels in Groundwater Monitoring</i>	10
2.6.2.3.1.	Alert Levels for Indicator Parameters	10
2.6.2.3.2.	Alert Levels for Pollutants with Numeric Aquifer Water Quality Standards	10
2.6.2.3.3.	Alert Levels to Protect Downgradient Users from Pollutants without Numeric Aquifer Water Quality Standards	11
2.6.2.3.4.	Alert Level for Groundwater Level.....	12
2.6.3.	Discharge Limit Violation.....	12
2.6.4.	Aquifer Quality Limit Violation.....	13
2.6.5.	Emergency Response and Contingency Requirements for Unauthorized Discharges.....	13
2.6.5.1.	<i>Duty to Respond</i>	13
2.6.5.2.	<i>Discharge of Hazardous Substances or Toxic Pollutants</i>	14
2.6.5.3.	<i>Discharge of Non-Hazardous Materials</i>	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.....	15

2.7.4. Operational, Other or Miscellaneous Reporting16

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 2.017

2.8. TEMPORARY CESSATION17

2.9. CLOSURE17

 2.9.1. Closure Plan18

 2.9.2. Closure Completion.....18

2.10. POST-CLOSURE18

 2.10.1. Post-Closure Plan18

 2.10.2. Post-Closure Completion.....18

3.0 COMPLIANCE SCHEDULE19

4.0 TABLES OF MONITORING REQUIREMENTS20

 4.1. PRE-OPERATIONAL MONITORING (OR CONSTRUCTION REQUIREMENTS)20

 4.2. COMPLIANCE OR OPERATIONAL MONITORING20

5.0 REFERENCES AND PERTINENT INFORMATION29

6.0 NOTIFICATION PROVISIONS.....30

 6.1. ANNUAL REGISTRATION FEES.....30

 6.2. DUTY TO COMPLY.....30

 6.3. DUTY TO PROVIDE INFORMATION30

 6.4. COMPLIANCE WITH AQUIFER WATER QUALITY STANDARDS.....30

 6.5. TECHNICAL AND FINANCIAL CAPABILITY30

 6.6. REPORTING OF BANKRUPTCY OR ENVIRONMENTAL ENFORCEMENT30

 6.7. MONITORING AND RECORDS30

 6.8. INSPECTION AND ENTRY.....31

 6.9. DUTY TO MODIFY.....31

 6.10. PERMIT ACTION: AMENDMENT, TRANSFER, SUSPENSION, AND REVOCATION31

7.0 ADDITIONAL PERMIT CONDITIONS31

 7.1. OTHER INFORMATION31

 7.2. SEVERABILITY31

 7.3. PERMIT TRANSFER.....31

TABLE OF TABLES

TABLE 1: DISCHARGING FACILITIES4

TABLE 2: POINT(S) OF COMPLIANCE.....6

TABLE 3: ACCELERATED MONITORING - ALERT LEVEL EXCEEDANCE11

TABLE 4: ACCELERATED MONITORING - AQUIFER QUALITY LIMIT VIOLATION.....13

TABLE 5: QUARTERLY REPORTING DEADLINES17

TABLE 6: (SEMI-)ANNUAL REPORTING DEADLINES17

TABLE 7: COMPLIANCE SCHEDULE ITEMS.....19

TABLE 8: ROUTINE FLOW MONITORING: 2.5 MGD.....20

TABLE 9: ROUTINE DISCHARGE MONITORING21

TABLE 10: RECLAIMED WATER MONITORING – CLASS B+.....23

TABLE 11: GROUNDWATER MONITORING – POC 124

TABLE 12: GROUNDWATER MONITORING – POC 226

TABLE 13: FACILITY INSPECTION AND OPERATIONAL MONITORING28

2.0 SPECIFIC CONDITIONS

[A.R.S. §§ 49-203(4), 49-241(A)]

2.1. FACILITY / SITE DESCRIPTION

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

The permittee is authorized to operate the Town of Florence Wastewater Treatment Plant (WWTP) with an average daily flow of 2.5 million gallons per day (mgd). The Department has graded this facility as a Grade 4 wastewater treatment plant. The facility shall have an operator in direct responsible charge who is certified for the grade of the facility and inspects the facility daily¹.

The facility treats residential and industrial discharges. The process consists of an influent pump station, a fine screen, grit removal, three (3) sequencing batch reactor (SBR) units with nitrification/denitrification, a post-equalization tank, two (2) disk filters, an ultraviolet (UV) disinfection unit, an aerobic sludge digester, a belt press for sludge dewatering, and an effluent pump station. Chlorination/dechlorination will be used as a back-up to UV disinfection. Sludge, including screenings, grit, and scum shall be hauled off-site to a state-approved facility.

From the influent sewer, wastewater travels through the influent pump station to the fine screen and grit removal chamber. The influent pump station includes four (4) 40-HP lift station pumps. The screened wastewater goes through flow splitters that split the flow into the three sequencing batch reactors (SBRs). Each of SBR consists of a fixed fine bubble diffuser, a 25-HP AQUA DDM floating mixer, a decanter, and a 7.5-HP submersible sludge waste pump with VFD. From the SBRs, water travels to the post equalization tank. The three (3) 20-HP turbine effluent pumps, pump water from the post equalization tank to disk filters and then to the UV disinfection unit. The sludge pumps in each of the SBR basin, pump sludge into the aerobic digester tank and then to the belt press for sludge dewatering. Sludge, including screenings, grit, and scum are hauled off-site to a state-approved facility.

The facility is rated as producing Class B+ reclaimed water (A.A.C. R18-11, Article 3). Effluent will be discharged to the three recharge basins, or disposed to the Gila River under a valid AZPDES (AZ0025208) permit or utilized for beneficial purposes under a valid Recycled Water Permit (A.A.C. R18-9, Article 7).

The effluent can only be discharged to the Gila River or for reuse when chlorination/de-chlorination will be used as back up to UV disinfection. The effluent cannot be discharged through recharge basins during the failure or maintenance of UV disinfection unit as the facility does not have pipeline constructed to discharge through recharge basins upon chlorination/de-chlorination.

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	Longitude
Town of Florence WRF	33° 01' 48" N	111° 24' 25" W
Recharge Basin 1A	33° 01' 49" N	111° 24' 28.8" W
Recharge Basin 1B	33° 01' 46.7" N	111° 24' 28.8" W
Recharge Basin 1C	33° 01' 44.5" N	111° 24' 28.8" W
Discharge to the Gila River	33° 02' 20.3" N	111° 24' 18.8" W

¹ Daily = seven days a week. In the absence of the operator in direct responsible charge, the operator in charge of the facility is certified for the applicable class of facility and at a grade no lower than one grade below the grade of the facility.

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 A.A.C. R18-14-104(A), Table 2. Send all correspondence requesting reduced fees to the Groundwater Protection Section. 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 permittee shall maintain financial capability throughout the life of the facility. The estimated closure and post-closure cost is \$1,054,245. The financial assurance mechanism was demonstrated through A.A.C. R18-9-A203(B)(1) and (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 shall be designed, constructed, operated, and maintained to meet the treatment performance criteria for new facilities as specified in A.A.C. R18-9-B204. The facility shall meet the performance requirement for industrial pre-treatment as per A.A.C. R18-9-B204(B)(6)(b).

The treatment facility shall not exceed a maximum seepage rate of 550 gallons per day per acre for all containment structures within the treatment works.

Recharge Basins:

The facility constructed three recharge basins. Each basin is designed to be 8 feet deep with an area of approximately 22,950 square feet. The basins are operated in three cycles, filling, draining and drying with an average percolation rate of 13.8 feet per day. The basins shall maintain freeboard of 2 feet.

2.2.1. Engineering Design

The WWTP upgrade was designed as per the design plans and design report prepared and signed, dated, and sealed by Rob D Bryant, P.E. (Professional Engineer) (Civil#42726) Waterworks Engineers, dated September 28, 2022 and subsequent sealed submittals that served as additions to the design report, dated September 8, 2022.

The recharge basins were designed as per the design report and design drawings signed, dated, and sealed by Robert Archer, P.E. (Professional Engineer, Civil#43796) with Westland Resources, dated January 2018. The as-built design plans for the recharge basins were signed, dated, and sealed by Craig Cannizzaro, P.E. (Civil#34926) with Westland Resources, Inc., dated May 24, 2023.

The Ammonium Sulfate Feed System was designed as per the design report prepared and stamped, dated, and signed (sealed) by Gustavo V. Lopez, P.E. (Professional Engineer) Wilson Engineers, dated October 7, 2014.

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 13: FACILITY INSPECTION AND OPERATIONAL MONITORING

2.2.5. Reclaimed Water Classification

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

The treatment facility is rated as producing reclaimed water meeting the Class B+ Reclaimed Water Quality Standards (A.A.C. R18-11, Article 3) which may be used for any allowable Class B or C use under a valid reclaimed water permit (A.A.C. R18-9, Article 7).

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 a maximum average monthly flow of 2.5 million gallons per day (mgd).
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.
4. Specific discharge limitations are listed in Section 4.2, Table 9: ROUTINE DISCHARGE MONITORING.

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(S) OF COMPLIANCE			
POC #	POC Location	Latitude	Longitude
1	Upgradient - SE Well, located near the southeast corner of the WRF site, adjacent to Plant Road Screened interval 170-220' below ground surface - MW-1 (ADWR 55-584201)	33° 01' 39" N	111° 24' 17" W
2A	Downgradient - Located at the northwest corner of the WRF Screened interval 185-225' below ground surface - MW-2A (ADWR 55-916170)	33° 01' 52.16" N	111° 24' 33.63" W
3 Conceptual	Downstream of the AZPDES discharge into the Gila River	33° 02' 26" N	111° 24' 22" W

The direction of the groundwater is to the west-northwest and the depth to groundwater ranges from approximately 199 ft bgs to 209 ft bgs.

Groundwater monitoring is required at the point of compliance wells #1 and #2A, however POC #1 is an upgradient well and does not have alert levels (ALs) or aquifer quality limits (AQLs) established. POC #3 well is a conceptual well, monitoring is not required except as a contingency action. The director may require an amendment of this permit to install a monitoring well 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 immediately 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 effluent according to Section 4.2, Table 9: ROUTINE DISCHARGE MONITORING. Representative samples of the effluent shall be collected downstream of the UV Disinfection Unit.

2.5.3. Reclaimed Water Monitoring

The permittee shall monitor the reclaimed water according to the Class B+ Reclaimed Water Monitoring Table in Section 4.2, Table 10: RECLAIMED WATER MONITORING in addition to the routine discharge monitoring parameters listed in Table 9: ROUTINE DISCHARGE MONITORING. Representative samples of the reclaimed water shall be collected at the point of discharge from the effluent pump station.

2.5.4. Facility / Operational Monitoring

Operational monitoring inspections shall be conducted according to Section 4.2, Table 13: FACILITY INSPECTION AND OPERATIONAL MONITORING.

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

The permittee shall monitor the groundwater from the wells at POC wells #1 and #2A according to Table 11: GROUNDWATER MONITORING – POC 1 and Table 12: GROUNDWATER MONITORING – POC 2.

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. 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, exceedance of an alert level (AL) for water level as required by Section 2.6.2.3.4(2), 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.

2.5.6. Surface Water Monitoring and Sampling Protocols

Routine surface water monitoring is not required under the terms of this permit.

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 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 the Groundwater Protection Section 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 and R18-9-A205]

2.6.1. General Contingency Plan Requirements

At least one copy of this permit and the approved contingency and emergency response plan submitted in the application (Appendix D) of LTF 87205 shall be maintained at the location where day-to-day decisions regarding the operation of the facility are made. The permittee shall be aware of and follow the contingency and emergency plans.

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, 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 plans 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 13: FACILITY INSPECTION AND OPERATIONAL MONITORING to prevent the overtopping of recharge basins. If an impoundment or sludge drying bed is overtopped, the permittee shall follow the requirements in Section 2.6.5.3 and the reporting requirements of Section 2.7.3.

If a performance level set in Section 4.2, Table 13: FACILITY INSPECTION AND OPERATIONAL MONITORING has been exceeded the permittee shall:

1. Notify the Groundwater Protection Section within five (5) days of becoming aware of the exceedance per Section 2.7.5.
2. Submit a written report to the Groundwater Protection Section 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.

3. 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

1. If an AL set in Section 4.2, Table 9: ROUTINE DISCHARGE MONITORING has been exceeded, the permittee shall immediately investigate to determine the cause. The investigation shall include the following:
 - a. Inspection, testing, and assessment of the current condition of all treatment or pollutant discharge control systems that may have contributed to the exceedance;
 - b. Review of recent process logs, reports, and other operational control information to identify any unusual occurrences; and
 - c. If the investigation procedures indicated in (a) and (b) above fail to reveal the cause of the exceedance, the permittee shall sample individual waste streams composing the wastewater for the parameter(s) in question, if necessary to identify the cause of the exceedance.
2. The permittee shall initiate actions identified in the approved contingency plan referenced in Section 5.0 and specific contingency measures identified in Section 2.6 to resolve any problems identified by the investigation which may have led to the AL exceedance. To implement any other corrective action the permittee shall obtain prior approval from ADEQ according to Section 2.6.6.
3. Within thirty (30) days of an AL exceedance, the permittee shall submit the laboratory results to the Groundwater Protection Section 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.
4. Upon review of the submitted report, the Department may amend the permit to require additional monitoring, increased frequency of monitoring, amendments to permit conditions or other actions.

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: 2.5 mgd has been exceeded, the permittee shall submit an application to the Groundwater Protection Section 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

No ALs have been established for indicator parameters.

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 11: GROUNDWATER MONITORING – POC 1 and Table 12: GROUNDWATER MONITORING – POC 2, 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
Quarterly	Monthly
Semi-annually	Quarterly
Annually	Quarterly

In addition, the permittee shall immediately initiate an investigation of the cause of the AL exceedance, 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 approved contingency plan referenced in Section 5.0 and specific contingency measures identified in Section 2.6 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 the Groundwater Protection Section, 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 the Groundwater Protection Section.
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 the Groundwater Protection Section 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, the Department 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 11: GROUNDWATER MONITORING – POC 1 and Table 12: GROUNDWATER MONITORING – POC 2 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 Groundwater Protection Section 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

1. If monitoring indicates the groundwater level is not within the allowable range established by the Alert Level (AL) in Section 4.2, Table 11: GROUNDWATER MONITORING – POC 1 and Table 12: GROUNDWATER MONITORING – POC 2, the permittee shall submit a written report to the Groundwater Protection Section per Section 2.7.5 within thirty (30) days after becoming aware of the exceedance. The report shall document the following:
 - a. the as-built configuration of the well including the screened interval;
 - b. all groundwater level measurements available for the well;
 - c. a discussion and analysis of any trends or seasonal variations in the groundwater level measurements;
 - d. information on groundwater recharge, withdrawal, or other hydrologic conditions in the vicinity of the well, and;
 - e. any other pertinent information obtained by the permittee.
2. If monitoring indicates the groundwater level is not within the allowable range established by the Alert Level (AL) in Section 4.2, Table 11: GROUNDWATER MONITORING – POC 1 and Table 12: GROUNDWATER MONITORING – POC 2 for more than six (6) sampling events, the permittee shall submit a second report which evaluates the cause(s) of the exceedance and recommends whether the well should be replaced pursuant to Section 2.5.5.1. The report shall discuss and demonstrate whether samples representative of the water quality of the relevant aquifer can be practicably obtained from the well.
3. Upon review of the submitted report, the Department may amend the permit to require replacement of the well, require additional permit conditions, or other actions.

2.6.3. Discharge Limit Violation

1. If a DL set in Section 4.2, Table 9: ROUTINE DISCHARGE MONITORING or Table 10: RECLAIMED WATER MONITORING has been violated, the permittee shall immediately investigate to determine the cause. The investigation shall include the following:
 - a. Inspection, testing, and assessment of the current condition of all treatment or pollutant discharge control systems that may have contributed to the violation;
 - b. Review of recent process logs, reports, and other operational control information to identify any unusual occurrences;
 - c. If the investigation procedures indicated in (a) and (b) above fail to reveal the cause of the violation, the permittee shall sample individual waste streams composing the wastewater for the parameters in violation, as necessary to identify the cause of the violation.

The permittee shall submit a report to the Groundwater Protection Section according to Section 2.7.3, which includes a summary of the findings of the investigation, the cause of the violation, and actions taken to resolve the problem. 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, notification of downstream or downgradient users who may be directly affected by the discharge, 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 an ADEQ-approved contingency plan, or separately approved according to Section 2.6.6.

2. Upon review of the submitted report, the Department may amend the permit to require additional monitoring, increased frequency of monitoring, amendments to permit conditions, or other actions.

2.6.4. Aquifer Quality Limit Violation

1. If an AQL set in Section 4.2, Table 11: GROUNDWATER MONITORING – POC 1 and Table 12: GROUNDWATER MONITORING – POC 2 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:

Table 4: ACCELERATED MONITORING - AQUIFER QUALITY LIMIT VIOLATION	
Specified Monitoring Frequency	Monitoring Frequency for AQL Violation
Daily	Daily
Weekly	Daily
Monthly	Weekly
Quarterly	Monthly
Semi-annually	Quarterly
Annually	Quarterly

In addition, the permittee shall immediately initiate an evaluation for the cause of the violation, 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 unexpected discharge.

The permittee also shall submit a report according to Section 2.7.3, 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 an ADEQ approved contingency plan, or separately approved according to Section 2.6.6.

4. Upon review of the submitted report, the Department may amend the permit to require additional monitoring, increased frequency of monitoring, amendments to permit conditions or other actions.
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 PURSUANT TO A.R.S. § 49-241]

2.6.5.1. Duty to Respond

The permittee shall act immediately 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(21)) 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 the Groundwater Protection Section 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 the Groundwater Protection Section 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 the Groundwater Protection Section 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. 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 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, the permittee shall obtain written approval from the Groundwater Protection Section 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, the operator shall submit to the Groundwater Protection Section 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 the Groundwater Protection Section.
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: 2.5 mgd
 - b. Table 9: ROUTINE DISCHARGE MONITORING
 - c. Table 10: RECLAIMED WATER MONITORING
 - d. Table 11: GROUNDWATER MONITORING – POC 1
 - e. Table 12: GROUNDWATER MONITORING – POC 2

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 immediately 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. Daily for a Grade 4 WWTP operator in direct responsible charge site visit sign-in to comply with R18-5-104.

2.7.3. Permit Violation and Alert Level Status Reporting

1. The permittee shall notify the Groundwater Protection Section per Section 2.7.5 within five (5) days (except as provided in Section 2.6.5) 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 the Groundwater Protection Section 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 13: FACILITY INSPECTION AND OPERATIONAL MONITORING in the facility log book as per Section 2.7.2, and report to the Groundwater Protection Section any violations or exceedances as per Section 2.7.3.

If the treatment facility is classified for reclaimed water under this permit, the permittee shall submit the reclaimed water monitoring results and flow volumes to any of the following in accordance with A.A.C. R18-9-B701(C)(2)(c):

1. Any reclaimed water agent who has contracted for delivery of reclaimed water from the permittee; and
2. Any end user who has not waived interest in receiving this information.

2.7.5. Reporting Location

All Self-Monitoring Report Forms (SMRFs) shall be submitted through the myDEQ portal accessible on the ADEQ website at: <http://www.azdeq.gov/welcome-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 required by this permit should be submitted through the myDEQ portal accessible on the ADEQ website at: <http://www.azdeq.gov/welcome-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
Groundwater Protection 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 2.0

The Groundwater Protection Section 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 the Groundwater Protection Section 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 the Groundwater Protection Section 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. Immediately following ADEQ approval, the permittee shall 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 the Groundwater Protection Section 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 the Groundwater Protection Section 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 the Groundwater Protection Section 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 closure plan achieves clean-closure immediately, ADEQ shall 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 the Groundwater Protection Section 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.
5. 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 the Groundwater Protection Section.

In the event clean-closure cannot be achieved pursuant to A.R.S. § 49-252, the permittee shall submit for approval to the Groundwater Protection Section 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 the Groundwater Protection Section per Section 2.7.5.

Table 7: COMPLIANCE SCHEDULE ITEMS			
No.	Description	Due By:	Permit Amendment Required?
1	The permittee shall submit a signed, dated, and sealed Engineer's Certificate of Completion in a format approved by the Department that confirms that the upgrades to SBR (installation of the floating mixers, decanters, sludge pumps, and fine bubble diffusers in each of the SBR basin) was constructed according to the Department-approved design report or plans and specifications, as applicable.	Within 90 days following construction and prior to operation.	No

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: 2.5 mgd					
Sampling Point Number	Sampling Point Identification			Latitude (North)	Longitude (West)
1 – Recharge Flow Meter	Flow meter located on the line going to recharge basins			33° 01' 50" N	111° 24' 25.87" W
2 – Reuse Flow	Flow meter located on the line for the reuse flow			33° 01' 49.92" N	111° 24' 19.44" W
3 – AZPDES Flow (to the Gila River)	Flow meter located on the line for the AZPDES flow			33° 01' 50.19" N	111° 24' 21.38" W
Parameter	Alert Level	Discharge Limit	Units	Sampling Frequency	Reporting Frequency
Total Influent Flow ² : Daily ³	Not Applicable ⁴	Not Applicable	mgd ⁵	Daily	Quarterly
Total Influent Flow: Monthly Average ⁶	2.38	2.5	mgd	Monthly Calculation	Quarterly
Total Flow ⁷ : Daily ⁸	Not Established ⁹	Not Established	mgd ¹⁰	Daily	Quarterly
Total Flow: Monthly Average	2.38	2.50	mgd	Monthly Calculation ¹¹	Quarterly
Reuse Flow: Daily	Not Established	Not Established	mgd	Daily	Quarterly
Reuse Flow: Monthly Average	2.38	2.5	mgd	Monthly Calculation	Quarterly
AZPDES Flow: Daily	Not Established	Not Established	mgd	Daily	Quarterly
AZPDES Flow: Monthly Average	2.38	2.5	mgd	Monthly Calculation	Quarterly
Recharge Flow: Daily	Not Established	Not Established	mgd	Daily	Quarterly
Recharge Flow: Monthly Average	2.38	2.5	mgd	Monthly Calculation	Quarterly

² Total flow for all methods of disposal (Reuse, Recharge, AZPDES)

³ Total Daily Flow shall be measured using a continuous recording flow meter that totals the flows daily.

⁴ Not Applicable means that monitoring is required, but no limits have been specified at the time of permit issuance

⁵ mgd = million gallons per day

⁶ Monthly Average means the calculated average of daily flow values in a month

⁷ Total flow is addition of flows going to Reuse, AZPDES and Recharge

⁸ Flow shall be measured using a continuous recording flow meter which totals the flow daily.

⁹ Not Established means monitoring is required but no limits are specified.

¹⁰ mgd = million gallons per day

¹¹ Monthly = Calculated value = Average of daily flow values in a month.

Table 9: ROUTINE DISCHARGE MONITORING¹²

Sampling Point Number	Sampling Point Identification			Latitude (North)	Longitude (West)
4 ¹³ – Treated Effluent	Downstream of the UV Disinfection Unit			33° 01' 49.85" N	111° 24' 25.82" W
5 ¹⁴ - Effluent Quality during failure of UV only	Downstream of the Reclaimed Water Pump Station			33° 01' 46" N	111° 24' 18" W
Parameter	Alert Level	Discharge Limit	Units	Sampling Frequency	Reporting Frequency
E. coli: Single sample maximum	Not Established	15.0	MPN ¹⁵	Daily ¹⁶	Quarterly
E. coli: four (4) of seven (7) samples in a week	Not Established	Non-detect	MPN	Weekly Evaluation	Quarterly
Total Nitrogen ¹⁷ :Five-sample rolling geometric mean ¹⁸	8	10	mg/l ¹⁹	Monthly Calculation	Quarterly
Cyanide (as free cyanide)	0.16	0.2	mg/l	Quarterly	Quarterly
Fluoride	3.2	4.0	mg/l	Quarterly	Quarterly
Metals (Total)					
Antimony	0.0048	0.006	mg/l	Quarterly	Quarterly
Arsenic	0.04	0.05	mg/l	Quarterly	Quarterly
Barium	1.60	2.00	mg/l	Quarterly	Quarterly
Beryllium	0.0032	0.004	mg/l	Quarterly	Quarterly
Cadmium	0.004	0.005	mg/l	Quarterly	Quarterly
Chromium	0.08	0.1	mg/l	Quarterly	Quarterly
Lead	0.04	0.05	mg/l	Quarterly	Quarterly
Mercury	0.0016	0.002	mg/l	Quarterly	Quarterly
Nickel	0.08	0.1	mg/l	Quarterly	Quarterly
Selenium	0.04	0.05	mg/l	Quarterly	Quarterly
Thallium	0.0016	0.002	mg/l	Quarterly	Quarterly

¹² All wastewater flow measurement devices must be calibrated prior to the first year of reporting and 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).

¹³ Discharge Monitoring sampling for E.coli, Total Nitrogen, metals and VOCs shall be taken at Sampling Point #4 always unless failure or maintenance of UV disinfection unit.

¹⁴ During the failure or maintenance of UV disinfection unit, the effluent shall be taken at Sampling Point #5 and shall be analyzed for all the constituents (E.coli, Total Nitrogen, metals and VOCs) of Table 9.

¹⁵ MPN = Most Probable Number / 100 ml sample; a value of <2.2 shall be considered to be non-detect.

¹⁶ For *E.coli*, “daily” sampling means every day in which a sample can practically be obtained and delivered in sufficient time for proper analysis, provided that no less than four samples in each week are obtained and analyzed.

¹⁷ Total Nitrogen = Nitrate as N + Nitrite as N + Total Kjeldahl Nitrogen

¹⁸ The five-sample rolling geometric mean is determined by multiplying the five (5) most recent monthly sample values together then taking the fifth root of the product. Example: $GM_5 = \sqrt[5]{(m_1)(m_2)(m_3)(m_4)(m_5)}$

¹⁹ mg/l = milligrams per liter

Table 9: ROUTINE DISCHARGE MONITORING (Continued)

Sampling Point Number	Sampling Point Identification			Latitude (North)	Longitude (West)
4 ²⁰ – Treated Effluent	Downstream of the UV Disinfection Unit			33° 01' 49.85" N	111° 24' 25.82" W
5 ²¹ - Effluent Quality during failure of UV only	Downstream of the Reclaimed Water Pump Station			33° 01' 46" N	111° 24' 18" W
Parameter	Alert Level	Discharge Limit	Units	Sampling Frequency	Reporting Frequency
Volatile and Semi-Volatile Organic Compounds (VOCs and SVOCs)					
Benzene	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Carbon tetrachloride	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
o-Dichlorobenzene	0.48	0.6	mg/l	Semi-Annually	Semi-Annually
para-Dichlorobenzene	0.06	0.075	mg/l	Semi-Annually	Semi-Annually
1,2-Dichloroethane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
1,1-Dichloroethylene	0.0056	0.007	mg/l	Semi-Annually	Semi-Annually
cis-1,2-Dichloroethylene	0.056	0.07	mg/l	Semi-Annually	Semi-Annually
trans-1,2-Dichloroethylene	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
Dichloromethane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
1,2-Dichloropropane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Ethylbenzene	0.56	0.7	mg/l	Semi-Annually	Semi-Annually
Hexachlorobenzene	0.0008	0.001	mg/l	Semi-Annually	Semi-Annually
Hexachlorocyclopentadiene	0.04	0.05	mg/l	Semi-Annually	Semi-Annually
Monochlorobenzene	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
Styrene	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
Tetrachloroethylene	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Toluene	0.8	1.0	mg/l	Semi-Annually	Semi-Annually
Trihalomethanes (total) ²²	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
1,1,1-Trichloroethane	0.16	0.2	mg/l	Semi-Annually	Semi-Annually
1,2,4 - Trichlorobenzene	0.056	0.07	mg/l	Semi-Annually	Semi-Annually
1,1,2 - Trichloroethane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Trichloroethylene	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Vinyl Chloride	0.0016	0.002	mg/l	Semi-Annually	Semi-Annually
Xylenes (Total)	8.0	10.0	mg/l	Semi-Annually	Semi-Annually

²⁰ Discharge Monitoring sampling for E.coli, Total Nitrogen, metals and VOCs shall be taken at Sampling Point #4 always unless failure or maintenance of UV disinfection unit.

²¹ During the failure or maintenance of UV disinfection unit, the effluent shall be taken at Sampling Point #5 and shall be analyzed for all the constituents (E.coli, Total Nitrogen, metals and VOCs) of Table 9.

²² Total Trihalomethanes (TTHMs) are comprised of Bromoform, Bromodichloromethane, Chloroform, and Dibromochloromethane

Table 10: RECLAIMED WATER MONITORING – CLASS B+

Reclaimed water monitoring under Table 10: RECLAIMED WATER MONITORING shall be performed in addition to routine discharge monitoring required under Section 4.2, Table 9: ROUTINE DISCHARGE MONITORING				
Sampling Point Number	Sampling Point Identification		Latitude (North)	Longitude (West)
6 – Reclaimed Water Quality	Downstream of the Reclaimed Water Pump Station		33° 01' 46" N	111° 24' 18" W
Parameter	Discharge Limit	Units	Sampling Frequency	Reporting Frequency
E. coli: Single-sample maximum	504	MPN ²³	Daily ²⁴	Quarterly
E. coli: Four of last seven samples	126 ²⁵	MPN	Daily Evaluation	Quarterly
Total Nitrogen ¹⁷ : Five-sample rolling geometric mean ¹⁸	10	mg/l ¹⁹	Monthly Calculation	Quarterly

²³ MPN = Most Probable Number / 100 ml sample. For MPN, a value of <2.2 shall be considered to be non-detect.

²⁴ For *E.coli*, “daily” sampling means every day in which a sample can practicably be obtained and delivered in sufficient time for proper analysis, provided that no less than four samples in each week are obtained and analyzed.

²⁵ Requires entering “Compliance” or “Non-compliance” on the SMRF for each day of the reporting period. Evaluate the daily *E.coli* result along with the six (6) previous sample results. If four (4) or more of those results are equal to or less than 126 MPN per 100 mil, report “Compliance” for that day’s entry on the SMRF. If four (4) or more of those results have detections of *E.coli* are greater than 126 MPN per 100 mil, report “Non-compliance” for that day’s entry.

Table 11: GROUNDWATER MONITORING – POC 1

Sampling Point Number	Sampling Point Identification			Latitude (North)	Longitude (West)
7	POC Well No. 1 (MW #1) - SE Well, located near the southeast corner of the WRF, adjacent to Plant Road			33° 01' 39" N	111° 24' 17" W
Parameter	Alert Level	Aquifer Quality Limit	Units	Sampling Frequency	Reporting Frequency
Total Nitrogen ²⁶ :	Monitor	Monitor	mg/l ²⁷	Monthly Calculation	Quarterly
Nitrate-Nitrite as N	Monitor	Monitor	mg/l	Monthly Calculation	Quarterly
Nitrate as N	Monitor	Monitor	mg/l	Monthly	Quarterly
Nitrite as N	Monitor	Monitor	mg/l	Monthly	Quarterly
Total Kjeldahl Nitrogen (TKN)	Monitor	Monitor	mg/l	Monthly	Quarterly
Total Coliform	Monitor	Monitor	CFU/MPN ²⁸	Monthly	Quarterly
Cyanide (as free cyanide)	Monitor	Monitor	mg/l	Quarterly	Quarterly
Fluoride	Monitor	Monitor	mg/l	Quarterly	Quarterly
Water Level ²⁹	Monitor	Monitor	Feet bgs ³⁰	Monthly	Quarterly
Metals (Dissolved)					
Antimony	Monitor	Monitor	mg/l	Quarterly	Quarterly
Arsenic	Monitor	Monitor	mg/l	Quarterly	Quarterly
Barium	Monitor	Monitor	mg/l	Quarterly	Quarterly
Beryllium	Monitor	Monitor	mg/l	Quarterly	Quarterly
Cadmium	Monitor	Monitor	mg/l	Quarterly	Quarterly
Chromium	Monitor	Monitor	mg/l	Quarterly	Quarterly
Lead	Monitor	Monitor	mg/l	Quarterly	Quarterly
Mercury	Monitor	Monitor	mg/l	Quarterly	Quarterly
Nickel	Monitor	Monitor	mg/l	Quarterly	Quarterly
Selenium	Monitor	Monitor	mg/l	Quarterly	Quarterly
Thallium	Monitor	Monitor	mg/l	Quarterly	Quarterly

²⁶ Total Nitrogen is the sum of Nitrate as N, Nitrite as N, and Total Kjeldahl Nitrogen (TKN)

²⁷ Mg/l = milligrams per liter

²⁸ CFU = Colony Forming Units per 100 ml; MPN = Most Probable Number per 100 ml [For MPN, a value of <2.2 shall be considered to be non-detect]

²⁹ See Section 2.6.2.3.4.

³⁰ Bgs = below ground surface

Table 11: GROUNDWATER MONITORING – POC 1 (Continued)

Sampling Point Number	Sampling Point Identification			Latitude (North)	Longitude (West)
7	POC Well No. 1 - MW #1 - SE Well, located near the southeast corner of the WRF, adjacent to Plant Road			33° 01' 39" N	111° 24' 17" W
Parameter	Alert Level	Aquifer Quality Limit	Units	Sampling Frequency	Reporting Frequency
Volatile and Semi-Volatile Organic Compounds (VOCs and SVOCs)					
Benzene	Monitor	Monitor	mg/l	Semi-Annually	Semi-Annually
Carbon tetrachloride	Monitor	Monitor	mg/l	Semi-Annually	Semi-Annually
o-Dichlorobenzene	Monitor	Monitor	mg/l	Semi-Annually	Semi-Annually
para-Dichlorobenzene	Monitor	Monitor	mg/l	Semi-Annually	Semi-Annually
1,2-Dichloroethane	Monitor	Monitor	mg/l	Semi-Annually	Semi-Annually
1,1-Dichloroethylene	Monitor	Monitor	mg/l	Semi-Annually	Semi-Annually
cis-1,2-Dichloroethylene	Monitor	Monitor	mg/l	Semi-Annually	Semi-Annually
trans-1,2-Dichloroethylene	Monitor	Monitor	mg/l	Semi-Annually	Semi-Annually
Dichloromethane	Monitor	Monitor	mg/l	Semi-Annually	Semi-Annually
1,2-Dichloropropane	Monitor	Monitor	mg/l	Semi-Annually	Semi-Annually
Ethylbenzene	Monitor	Monitor	mg/l	Semi-Annually	Semi-Annually
Hexachlorobenzene	Monitor	Monitor	mg/l	Semi-Annually	Semi-Annually
Hexachlorocyclopentadiene	Monitor	Monitor	mg/l	Semi-Annually	Semi-Annually
Monochlorobenzene	Monitor	Monitor	mg/l	Semi-Annually	Semi-Annually
Styrene	Monitor	Monitor	mg/l	Semi-Annually	Semi-Annually
Tetrachloroethylene	Monitor	Monitor	mg/l	Semi-Annually	Semi-Annually
Toluene	Monitor	Monitor	mg/l	Semi-Annually	Semi-Annually
Trihalomethanes (total) ³¹	Monitor	Monitor	mg/l	Semi-Annually	Semi-Annually
1,1,1-Trichloroethane	Monitor	Monitor	mg/l	Semi-Annually	Semi-Annually
1,2,4 - Trichlorobenzene	Monitor	Monitor	mg/l	Semi-Annually	Semi-Annually
1,1,2 - Trichloroethane	Monitor	Monitor	mg/l	Semi-Annually	Semi-Annually
Trichloroethylene	Monitor	Monitor	mg/l	Semi-Annually	Semi-Annually
Vinyl Chloride	Monitor	Monitor	mg/l	Semi-Annually	Semi-Annually
Xylenes (Total)	Monitor	Monitor	mg/l	Semi-Annually	Semi-Annually

³¹ Total Trihalomethanes are comprised of Bromoform, Bromodichloromethane, Chloroform, and Dibromochloromethane.

Table 12: GROUNDWATER MONITORING – POC 2

Sampling Point Number	Sampling Point Identification			Latitude (North)	Longitude (West)
8	POC Well No. 2 A (MW #2A) - Well located at the northwest corner of the WRF			33° 01' 52.16" N	111° 24' 33.63" W
Parameter	Alert Level	Aquifer Quality Limit	Units	Sampling Frequency	Reporting Frequency
Total Nitrogen ³² :	Not Established	15.0	mg/l ³³	Monthly Calculation	Quarterly
Nitrate-Nitrite as N	Not Established	15.0	mg/l	Monthly Calculation	Quarterly
Nitrate as N	Not Established	15.0	mg/l	Monthly	Quarterly
Nitrite as N	0.8	1.0	mg/l	Monthly	Quarterly
Total Kjeldahl Nitrogen (TKN)	Not Applicable ³⁴	Not Applicable	mg/l	Monthly	Quarterly
Total Coliform	Not Applicable	Non-detect ³⁵	CFU/MPN ³⁶	Monthly	Quarterly
Cyanide (as free cyanide)	0.16	0.2	mg/l	Quarterly	Quarterly
Fluoride	3.2	4.0	mg/l	Quarterly	Quarterly
Water Level ³⁷	175-225 ³⁸	Not Applicable	Feet bgs ³⁹	Monthly	Quarterly
Metals (Dissolved)					
Antimony	0.0048	0.006	mg/l	Quarterly	Quarterly
Arsenic	0.04	0.05	mg/l	Quarterly	Quarterly
Barium	1.60	2.00	mg/l	Quarterly	Quarterly
Beryllium	0.0032	0.004	mg/l	Quarterly	Quarterly
Cadmium	0.004	0.005	mg/l	Quarterly	Quarterly
Chromium	0.08	0.1	mg/l	Quarterly	Quarterly
Lead	0.04	0.05	mg/l	Quarterly	Quarterly
Mercury	0.0016	0.002	mg/l	Quarterly	Quarterly
Nickel	0.08	0.1	mg/l	Quarterly	Quarterly
Selenium	0.04	0.05	mg/l	Quarterly	Quarterly
Thallium	0.0016	0.002	mg/l	Quarterly	Quarterly

³² Total Nitrogen is the sum of Nitrate as N, Nitrite as N, and Total Kjeldahl Nitrogen (TKN)

³³ Mg/l = milligrams per liter

³⁴ Not Applicable means that monitoring is required, but no limits have been specified at the time of permit issuance

³⁵ For CFU, a value of <1.0 shall be considered to be non-detect

³⁶ CFU = Colony Forming Units per 100 ml; MPN = Most Probable Number per 100 ml [For MPN, a value of <2.2 shall be considered to be non-detect]

³⁷ See Section 2.6.2.3.4.

³⁸ If the water level does not fall within this range, the Alert Level is considered to be exceeded.

³⁹ Bgs = below ground surface

Table 11: GROUNDWATER MONITORING – POC 2 (Continued)

Sampling Point Number	Sampling Point Identification			Latitude (North)	Longitude (West)
8	POC Well No. 2 A - MW #2A - Well located at the northwest corner of the WRF			33° 01' 52.16" N	111° 24' 33.63" W
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	Semi-Annually	Semi-Annually
Carbon tetrachloride	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
o-Dichlorobenzene	0.48	0.6	mg/l	Semi-Annually	Semi-Annually
para-Dichlorobenzene	0.06	0.075	mg/l	Semi-Annually	Semi-Annually
1,2-Dichloroethane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
1,1-Dichloroethylene	0.0056	0.007	mg/l	Semi-Annually	Semi-Annually
cis-1,2-Dichloroethylene	0.056	0.07	mg/l	Semi-Annually	Semi-Annually
trans-1,2-Dichloroethylene	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
Dichloromethane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
1,2-Dichloropropane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Ethylbenzene	0.56	0.7	mg/l	Semi-Annually	Semi-Annually
Hexachlorobenzene	0.0008	0.001	mg/l	Semi-Annually	Semi-Annually
Hexachlorocyclopentadiene	0.04	0.05	mg/l	Semi-Annually	Semi-Annually
Monochlorobenzene	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
Styrene	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
Tetrachloroethylene	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Toluene	0.8	1.0	mg/l	Semi-Annually	Semi-Annually
Trihalomethanes (total) ⁴⁰	0.08	0.1	mg/l	Semi-Annually	Semi-Annually
1,1,1-Trichloroethane	0.16	0.2	mg/l	Semi-Annually	Semi-Annually
1,2,4 - Trichlorobenzene	0.056	0.07	mg/l	Semi-Annually	Semi-Annually
1,1,2 - Trichloroethane	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Trichloroethylene	0.004	0.005	mg/l	Semi-Annually	Semi-Annually
Vinyl Chloride	0.0016	0.002	mg/l	Semi-Annually	Semi-Annually
Xylenes (Total)	8.0	10.0	mg/l	Semi-Annually	Semi-Annually

⁴⁰ Total Trihalomethanes are comprised of Bromoform, Bromodichloromethane, Chloroform, and Dibromochloromethane.

Table 13: FACILITY INSPECTION AND OPERATIONAL MONITORING

The permittee shall record the inspection performance levels in a log book as per Section 2.7.2, and report any violations or exceedances as per Section 2.7.3. In the case of an exceedance, identify which structure exceeds the performance level in the log book.

Pollution Control Structure/Parameter	Performance Level	Inspection Frequency	Reporting Frequency
Pump Integrity	Good working condition	Weekly	See Section 2.7.3
Treatment Plant Components	Good working condition	Weekly	
Wastewater Containment Structures	No cracks or spalling in concrete that results in leaks or impairs structural integrity. Structure steel shall not be showing.	Weekly	
Recharge Basins - Freeboard	Minimum of two (2) Linear Foot	Weekly	
Recharge Basins Berm Integrity	No visible structural damage, breach, or erosion of embankments	Weekly	
Pump Station Containment Structures	No cracks or spalling in concrete that results in leaks or impairs structural integrity. Structure steel shall not be showing.	Weekly	
Equalization Basin Freeboard	Minimum of 2 feet below bottom of manway	Weekly	See Section 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.	Monthly	



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 the Department:

APP Application, dated: 12/29/2023

Contingency Plan, dated: 1/1/2016

6.0 NOTIFICATION PROVISIONS

6.1 Annual Registration Fees

The permittee is notified of the obligation to pay an Annual Registration Fee to ADEQ. The Annual Registration Fee is based on the amount of daily influent or discharge of pollutants in gallons per day (gpd) as established by A.R.S. § 49-242.

6.2 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.

6.3 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.

6.4 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 (POC) 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 point of compliance for the facility, the water quality of any aquifer for that pollutant.

6.5 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 in the permit application, 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.

6.6 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.

6.7 Monitoring and Records

[A.R.S. § 49-243(K)(8) and A.A.C. R18-9-A206]

The permittee shall conduct any monitoring activity necessary to assure compliance with this permit, with the applicable water quality standards established pursuant to A.R.S. §§ 49-221 and 49-223 and §§ 49-241 through 49-252.

6.8. 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.

6.9. Duty to Modify

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

The permittee shall apply for and receive a written amendment before deviating from any of the designs or operational practices authorized by this permit.

6.10. 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 the Department. The permittee shall notify the Groundwater Protection Section 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 the Department. 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).