

## INSTRUCTIONS

This application is for an Individual Aquifer Protection Permit (APP) including an area-wide APP and Temporary APP, and for a Significant Amendment, Minor Amendment, or an Other Amendment to an Individual APP.

**ADEQ recommends scheduling a pre-application meeting to go over the various details of the program and the requirements for a complete application. See “Fee” section below for information on cost associated with the meeting.**

During the application process, you are encouraged to communicate with the ADEQ project team to resolve any issues that may arise during the process.

This document is divided into three main parts.

- 1) Instructions (Pages 1 - 4) - The instructions are intended to give you basic information regarding the application process, the permitting fee, definitions, how long the process may take, where to submit the application and how to withdraw an application. More detailed information can be obtained by referencing the specific rule citation listed with each application item. **Please do not submit the instructions with your application.**
- 2) Application - General Information (Pages 5 – 9) – This section includes basic Applicant and facility information; enter the information into the fillable form and indicate where any additional information is provided, if applicable.
- 3) Application - Technical Information (Pages 10 – 14) – This section requires information regarding the facility and specific ways the aquifer will be protected. Many of the items in this section are to be attached to the APP application as attachments or appendices. **ADEQ requests that you organize all the items and attachments using a Table of Contents that references the application form item number and the page number(s) where each item/attachment is located.**

### Professional Document Requirements

Please note that, except as exempted by A.R.S. § 32-144.A.7 (employees of mining companies), professional documents, such as reports, plans and specifications, are to be signed by an Arizona registered engineer or geologist (A.R.S. § 32-125). Cost estimates prepared by an engineer, design documents and engineering analysis must be signed and sealed by an Arizona Registered Professional Engineer, and must not include labels such as “Draft”, “Preliminary”, or “Not for Construction” per A.R.S. § 32-101(B)(10 and 11) and 32-125.

## Process

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- Optional:** Applicant is encouraged to meet with ADEQ staff for a pre-application meeting to discuss the project and the requirements for a complete application. This is an optional step, but is **highly recommended**. Request a pre-application meeting by completing the Request Form available at [http://static.azdeq.gov/forms/app\\_preapmtg.pdf](http://static.azdeq.gov/forms/app_preapmtg.pdf) and submitting the form to Naveen Savarirayan at [Savarirayan.Naveen@azdeq.gov](mailto:Savarirayan.Naveen@azdeq.gov). If you have questions, call the permit line at 602-771-4999.
- 1) Applicant submits the application as follows:
    - a. Provide two comb bound copies of the application form and all attachments: Please provide at least one comb or spiral bound copy; the other copy may be in a 3-ring binder. Also, it may be helpful to provide a third copy if the project team includes three ADEQ staff; please discuss this with the project manager prior to application submittal.
    - b. Please include **one electronic copy** of the application form and all attachments, e.g. flash drive, CD or other method. Please separate the financial assurance documents from the other application sections.
    - c. Please provide a cover letter that provides a general overview of the project including a brief description of the business or activity, a list of discharging facilities, and a description of any treatment and/or disposal related to the discharging facilities. In the case of an amendment to an existing permit, please also provide a description of the amendment.
    - d. **Please complete all items on the application form. If an item is not applicable write “NA” and provide rationale for why the item is not required. A pre-application meeting is recommended to discuss what will be required for a complete application (see “Optional” process step above).** Failure to complete all items will result in an application that is administratively incomplete (see Step 2 below).
    - e. Please include a Table of Contents for the Technical Information that references the application form item number, and lists Tables, Figures, Drawings, and Appendices.
    - f. Please include Labels/Tabs in the bound application copies that correspond to the application form item number and the Table of Contents.
  - 2) ADEQ reviews the application for Administrative Completeness (A.A.C. R18-1-503), and either:
    - a. Issues a letter indicating the application is Administratively Complete and begins Substantive Review, or
    - b. Issues a letter listing required additional information for the application to be determined administratively complete. The Applicant must provide all items on the application form. If an item is not applicable, adequate rationale must be provided. In response to an ADEQ letter requesting additional information,
      - i. Applicant provides additional information, or
      - ii. Applicant relies on information already provided. ADEQ may elect to initiate the permit denial process.
  - 3) ADEQ conducts the Substantive Review (A.A.C. R18-1-504) of the application for technical content and to ensure that your application contains all required technical information necessary to issue a permit to you.
    - a. If the application meets requirements, ADEQ begins drafting the permit.
    - b. If additional information is needed, ADEQ sends a letter requesting the information. In response,
      - i. Applicant provides requested information and ADEQ continues/completes the Substantive Review, or
      - ii. Applicant relies on information already provided. ADEQ may elect to initiate the permit denial process.
- Optional:** Applicant is encouraged to participate in meetings or conference calls with the ADEQ project team to resolve any issues that may arise during the Substantive Review. This is optional, but **highly recommended**.
- 4) ADEQ initiates Internal/External review of the draft permit and executive summary.
  - 5) ADEQ publishes notice of the 30-day public participation period, only for a new permit or significant amendment. Other amendments do not have a 30-day public participation period.
  - 6) ADEQ holds a Public hearing, if needed, only for a new permit or significant amendment. ADEQ responds in writing to all comments received during the comment period.
  - 7) ADEQ sends a Decision to Grant the permit.

- 8) ADEQ sends the final bill to the Applicant.
- 9) Applicant pays the bill.
- 10) ADEQ issues and mails the permit.

## **Fees (A.A.C. R18-14-101 et. seq.)**

The permit team assigned to your project will bill at a rate of \$122.00 per hour up to a maximum fee of \$200,000 for a new permit. Maximum fee amounts for permit amendments are provided in the fee rule at A.A.C. R18-14-102.

ADEQ recommends scheduling a pre-application meeting to go over the various details of the program and the requirements for a complete application. The first hour of the pre-application meeting is free for the project manager's time. The other members of the project team (engineer, hydrogeologist, and financial reviewer), will bill for the pre-application meeting time.

ADEQ will provide monthly invoices for the interim permit fees. If full payment is not received within the prescribed timeframe on the invoice, ADEQ will consider the nonpayment as "willful neglect" pursuant to A.R.S. § 49-113(B). As provided by A.R.S. § 49-113(B), ADEQ will, in addition to any applicable interest rate, collect an additional five percent penalty of up to twenty five percent of the amount due for each month or fraction of a month the amount is past due. ADEQ may also refer this matter to the Office of the Attorney General for appropriate legal action. ADEQ will also cease work on your application and initiate a denial of the pending application at that time.

## **Definitions**

The statutes (A.R.S. 49-201) and rules (A.A.C. R18-9-101) provide the majority of definitions for terms used in the aquifer protection program. The list below is provided for convenience and to clarify terms used in this application form that are not defined elsewhere. Additional statutory and regulatory definitions/requirements are available here:

<https://www.azleg.gov/ARStitle/> and <https://azsos.gov/>

**Applicant/Permittee:** The *person* (see definition of person below) who is applying for the permit is the Applicant; this is the same *person* who will become the Permittee once the permit is issued and **will be responsible** for compliance with the terms and conditions of the permit, rules and statutes, and all financial assurance requirements, monitoring, reporting and contingency requirements, corrective actions and compliance actions as a result of permit violations. **Typically, the company or government entity is the Applicant/Permittee, and will designate an authorized person to sign the certification statement on the application.**

NOTE: The Applicant must be an entity authorized to do business in the State of Arizona. The permit must be issued to either a (1) Corporation (2) Limited Liability Company (3) Partnership [includes Limited Liability Partnership or Limited Liability Limited Partnership] or (4) an Individual or Sole Proprietorship authorized to do business in Arizona. The Applicant should confirm their status as follows prior to submitting an application: Arizona Corporation Commission (for corporations and limited liability companies); Secretary of State (for partnerships, limited partnerships, limited liability partnerships, and limited liability limited partnerships); Requirements in Arizona Revised Statutes Title 41, Chapter 6 Administrative Procedure, Article 7.2 - Licensing Eligibility concerning citizenship and residency (for individuals).

**Authorized Agent:** The licensing time frame rule provides the option for the Applicant's agent, authorized by the Applicant, to receive all notices issued by the Department under Article 5, Title 18, Chapter 1 (A.A.C. R18-1-503(A)(3)).

**Discharging facilities:** Defined in A.R.S. §49-241 as: surface impoundments, including holding, storage, settling, treatment or disposal pits, ponds and lagoons; solid waste disposal facilities, injection wells; land treatment facilities; facilities that add a pollutant to a salt dome formation, salt bed formation, dry well or underground cave or mine; mine tailings piles and ponds; mine leaching operations;

underground water storage facilities; sewage treatment facilities including on-site wastewater treatment facilities; wetlands designed and constructed to treat municipal and domestic wastewater for underground storage.

**Discharge:** Defined in A.R.S §49-201(12): the direct or indirect addition of any pollutant to the waters of the state from a facility. For purposes of the aquifer protection permit program prescribed by article 3 of this chapter, discharge means the addition of a pollutant from a facility either directly to an aquifer or to the land surface or the vadose zone in such a manner that there is a reasonable probability that the pollutant will reach an aquifer.

**Person:** Defined in A.A.C. R18-9-A101(29): “Person” means an individual, employee, officer, managing body, trust, firm, joint stock company, consortium, public or private corporation, including a government corporation, partnership, association or state, a political subdivision of this state, a commission, the United States government or any federal facility, interstate body or other entity. A.R.S. § 49-201(26). For the purposes of permitting a sewage treatment facility under Article 2 of this Chapter, person does not include a homeowner’s association.

## **Licensing Timeframes**

Licensing Time Frames (LTF) are specified by Arizona Department of Environmental Quality in A.A.C. R18-1-525, which limits the number of **business days** ADEQ can review your project without a penalty. LTF for an individual permit automatically defaults to an “Individual Permit (no public hearing)”. Likewise, the LTF for a significant amendment automatically defaults to an “Individual Permit Significant Amendment (no public hearing)”. ADEQ may reassign the license time if a public hearing is required or if the application is deemed “complex” in accordance with A.A.C. R18-1-501(9).

| License Type  | Administrative Completeness Review (business days) | Substantive Review (business days) | Overall Time Frame (business days) |
|---|--|------------------------------------|------------------------------------|
| Individual Permit (no public hearing)                         | 35   | 186                                | 221                                |
| Individual Permit (with public hearing)                       | 35   | 231                                | 266                                |
| Complex Individual Permit (no public hearing)                 | 35   | 249                                | 284                                |
| Complex Individual Permit (with public hearing)               | 35   | 294                                | 329                                |
| Individual Permit Significant Amendment (no public hearing)   | 35   | 186                                | 221                                |
| Individual Permit Significant Amendment (with public hearing) | 35   | 294                                | 329                                |
| Individual Permit Other Amendment                             | 35   | 100                                | 135                                |

## **Where to Submit the Application**

Arizona Department of Environmental Quality  
 Groundwater Protection Value Stream  
 Attn: LTF Application Clerk  
 1110 West Washington Street, Mail Code 5415B-3  
 Phoenix, Arizona 85007

## **Withdrawing your Application**

The Applicant may withdraw an application at any time during the application process in accordance with A.A.C. R18-1-517. You may withdraw your application by submitting a written request to the reviewer assigned to your project. Withdrawing your application causes the LTF to cease. A final bill will be assessed at the time of withdrawal.



## GENERAL INFORMATION

**1. Application to obtain [A.R.S. 49-241]:**

New APP \_\_\_\_\_

Amendment to a current APP Inventory No. \_\_\_\_\_ LTF No. \_\_\_\_\_

Description of all amendment requests and justification included in Report Section/Appendix \_\_\_\_\_

A copy of the current permit, annotated with any inconsistencies between the permit requirements and the existing facilities or operation, included in Report Section/Appendix \_\_\_\_\_

NOTE: ADEQ can provide the permit in WORD file format upon request.

**2. Applicant/Permittee Name [A.A.C. R18-1-503(1)] (see Definitions):**

Company/Government/Entity Name: (RESPONSIBLE FOR ALL PERMIT CONDITIONS)

\_\_\_\_\_

**3. Applicant/Permittee - Certification Statement [A.A.C. R18-9-A201(B)(7)]:**

I certify under penalty of law that this Aquifer Protection Permit application and all attachments were prepared under my direction or authorization and all information is, to the best of my knowledge, true, accurate and complete. I also certify that the APP discharging facilities described in this form is or will be designed, constructed, operated, and/or closed in accordance with the terms and conditions the Aquifer Protection Permit and applicable requirements of Arizona Revised Statutes Title 49, Chapter 2, and Arizona Administrative Code Title 18, Chapter 9 regarding aquifer protection permits. I am aware that there are significant penalties for submitting false information, including permit revocation as wells as the possibility of fine and imprisonment for knowing violations.

Authorized person signature:

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Signature \_\_\_\_\_

Date: \_\_\_\_\_

**4. Applicant/Permittee Address**

Mailing Address: \_\_\_\_\_

Billing Address: \_\_\_\_\_

Email Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_

**5. Authorized Agent [A.A.C. R18-1-503(3)] (Optional, see Definitions):**

Name: \_\_\_\_\_  
Firm Name \_\_\_\_\_  
Mailing Address: \_\_\_\_\_  
Email Address: \_\_\_\_\_  
Phone Number: \_\_\_\_\_

**6. Facility Information [A.A.C. R18-1-503(2), A.A.C. R18-9-201(B)(1)]**

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
County: \_\_\_\_\_  
Latitude: \_\_\_\_ ° \_\_\_\_ ' \_\_\_\_ "                      Longitude: \_\_\_\_ ° \_\_\_\_ ' \_\_\_\_ "  
Coordinate System used for Latitude and Longitude: \_\_ NAD27 \_\_ NAD83  
Township \_\_\_\_\_ Range \_\_\_\_\_ Section: \_\_\_\_\_  
Driving directions from a major intersection: \_\_\_\_\_

**7. Facility Notices of Violation, Consent Orders or Compliance Orders in the last 2 years [A.A.C. R18-9-A202(A)(11), included in Report Section/Appendix \_\_\_\_\_**

**8. Facility Owner**

Company/Government/Entity Name: \_\_\_\_\_  
Contact Person Name \_\_\_\_\_  
Mailing Address: \_\_\_\_\_  
Email Address: \_\_\_\_\_  
Phone Number: \_\_\_\_\_

**9. Contact Person for Facility Emergencies [A.A.C. R18-9-A202(A)(11)]**

Name: \_\_\_\_\_ Title: \_\_\_\_\_  
Mailing Address: \_\_\_\_\_  
Email Address: \_\_\_\_\_  
Phone Numbers landline: \_\_\_\_\_ mobile phone: \_\_\_\_\_

**10. Contact Person(s) for Permit Compliance Schedule Items Notifications (Optional)**

ADEQ has developed a tool to track compliance schedule items (CSIs) 30 and 5 days before they are due, and 5 days after they become overdue. The person(s) identified, will receive email notifications in addition to the Applicant/Permittee.

Name(s): \_\_\_\_\_

Email Address(es): \_\_\_\_\_

**11. Landowner**

Company/Government/Entity Name: \_\_\_\_\_

Contact Person Name \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Email Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_

**12. Expected operational life of the Facility [A.A.C. R18-9-A201(B)(1)]**

(Start date) \_\_\_\_\_ (Close Date) \_\_\_\_\_

**13. Facility discharge or influent per day in gallons [A.A.C. R18-14-104, A.R.S. 49-242]: \_\_\_\_\_ (gallons)**

**14. All other federal or state environmental permits issued to the Applicant for the Facility or site, including type and identification number [A.A.C. R18-9-A201(B)(1)], included in Report Section/Appendix \_\_\_\_\_**

**15. Are you required to file a certificate of disclosure according to A.R.S. §49-109?**

\_\_\_ Yes, attached in Report Section/Appendix \_\_\_\_\_

\_\_\_ No, not required

**16. Evidence that the facility complies with applicable municipal or county zoning ordinances, codes and regulations [A.A.C. R18-9-A201(B)(3)], included in Report Section/Appendix \_\_\_\_\_**

**17. Evidence of technical capability to carry out the terms of the permit (design, construction, and operation) including licenses, certifications, training, and work experience [A.A.C. R18-9-A202(B)] Attached in Report Section/Appendix \_\_\_\_\_**

## Cost Estimates and Financial Assurance Demonstration [A.A.C. R18-9-A201(B)(5) and R18-9-A203]

Is this application for:

1) A new permit? YES \_\_\_ NO \_\_\_

2) Significant Amendment? YES \_\_\_ NO \_\_\_

NOTE: Updated cost estimates may be required for a significant amendment as defined by rule if required to address incremental changes in the cost estimate that result from the significant amendment, A.R.S. § 49-243(N)(2)(b).

3) Other Amendment for permit transfer? YES \_\_\_ NO \_\_\_

4) Cost Estimate/Financial Demonstration update? YES \_\_\_ NO \_\_\_

5) Estimate/Financial Demonstration at the direction of ADEQ? YES \_\_\_ NO \_\_\_

6) A permit that has not been amended in the last five years? YES \_\_\_ NO \_\_\_

**If you answered “YES” to ANY of the above questions, provide updated cost estimates and a financial assurance demonstration. If you answered “NO” to ALL of the above questions, skip this section and continue to the “Technical Information” Section.**

### 18. Cost Estimates provided in Report Section/Appendix \_\_\_\_\_

Closure costs and a financial demonstration are required even if the Applicant does not intend to close the facility in the near future. The closure and post-closure cost estimates must be based on the closure and post-closure plan/strategy (required by Application Item 32, below). Please see checklists for closure plans/strategies and cost estimate on the ADEQ website: <http://www.azdeq.gov/node/542>

NOTE: Cost estimates must be derived by an engineer, controller or accountant. Except as exempted by A.R.S. § 32-144.A.7 (employees of mining companies), professional documents, such as reports, plans and specifications, are to be signed by an Arizona registered engineer or geologist (A.R.S. § 32-125). Cost estimates prepared by an engineer, design documents and engineering analysis must be signed and sealed by an Arizona Registered Professional Engineer, and must not include labels such as “Draft”, “Preliminary”, or “Not for Construction” per A.R.S. § 32-101(B)(10 and 11) and 32-125.

Provide the cost estimates in the spaces provided below and attach supporting documentation for the cost estimates.

- a. Construction \$ \_\_\_\_\_
- b. Operation \$ \_\_\_\_\_
- c. Maintenance \$ \_\_\_\_\_
- d. Closure \$ \_\_\_\_\_
- e. Post-Closure \$ \_\_\_\_\_



**19. Financial Assurance Demonstration for either (a) non-government or (b) government:**

Indicate which financial assurance demonstration will be provided to cover the cost of Closure and Post-closure. It is preferable to wait for ADEQ to review and approve the cost estimates prior to submitting the finalized financial demonstration required by Item 19; simply indicating the type of demonstration is adequate for submittal of the application. Please see the ADEQ website for financial assurance mechanism templates and instructions at <http://azdeq.gov/financial-responsibility-options-apps>

Provide information based on whether the Applicant/Permittee is a non-government or government entity:

- a. A non-government entity:
  - i. Financial Assurance Mechanism selected \_\_\_\_\_
  - ii. Details of any financial mechanism held by another government agency for the purpose of closure and post-closure activities described in the closure plan/strategy, provided in Report Section/Appendix \_\_\_\_\_
  - iii. A letter on Company letterhead signed by the Chief Financial Officer, as required by A.A.C. R18-9-A203, is attached in Report Section/Appendix \_\_\_\_\_
- b. A government entity:
  - i. A statement that indicates how the entity is capable of meeting the costs listed in the Cost Estimate section above is included in Report Section/Appendix \_\_\_\_\_

# **APPLICATION TECHNICAL INFORMATION**

**20. Facility description, including the following information, is provided in Report Section/Appendix \_\_\_\_\_**

- a. A general description of what the facility does.
- b. When operations began or are estimated to begin.
- c. A general description of the facility process as it relates to the discharge, including:
  - i. Operating, proposed and closed discharging facilities, or activities that discharge,
  - ii. source(s) of wastewaters/waste, and
  - iii. facility or location where the wastewater/waste is discharged.

NOTE: see the Definitions section for “discharging facility” and “discharge”

**21. Process flow diagram that shows the activity producing the discharge (e.g. wastewater treatment, cooling, manufacturing), including the pertinent elements that affect the quality of the discharge, is included as Report Section/Appendix \_\_\_\_\_**

**22. List the discharging facilities and activities that discharge in the table below. Indicate whether they are currently operating/existing, are proposed as new, or are to be closed as part of this permit application, and provide their location [A.R.S. 49-241]. Additional facilities listed in Report Section/Appendix \_\_\_\_\_**

| Facility or Activity Name (e.g. Evaporation Pond 1) | Existing, Proposed or to be closed | Latitude | Longitude |
|---|------------------------------------|----------|-----------|
|   |                                    | o ' ”    | o ' ”     |
|   |                                    | o ' ”    | o ' ”     |
|   |                                    | o ' ”    | o ' ”     |

**23. Map(s) [A.A.C. R18-9-A202(A)(1)], included in Report Section/Appendix \_\_\_\_\_**

Include the following:

- 1) North arrow
- 2) Scale
- 3) Topography with sufficient resolution and legible elevations of contours for the facility
- 4) Facility location
- 5) Property line(s) and use of adjacent property
- 6) Overlay of State or Federal land
- 7) All known water wells within 1/2 mile of property boundary
- 8) Labeled with ADWR Well Number, latitude and longitude
- 9) Provide the uses and well construction details of the water wells, if known, water level elevations in the wells, and highlight/identify the nearest downgradient well. Tabulation of this data to prevent excessive labeling on the site plan itself is preferred.)

**24. Site Plan [A.A.C. R18-9-A202(A)(2), (4) and (8), A.R.S. 49-244], included in Report Section/Appendix \_\_\_\_\_**

Include the following:

- 1) North arrow
- 2) Scale
- 3) Property lines
- 4) Structures
- 5) Water wells
- 6) Injection Wells
- 7) Drywells and their uses
- 8) Topography
- 9) All known borings
- 10) 100-year floodplain (FEMA Flood Insurance Rate Map (FIRM) 100-year showing floodplain boundary preferred)
- 11) Surface water bodies
- 12) Surface water flow direction(s)
- 13) Groundwater flow direction(s)
- 14) Pollutant Management Area (PMA)  
NOTE: In cases where the site is very large, there are multiple PMAs or there is an excessive amount of information that would make the site plan indecipherable, it may be clearer to provide site plans for discrete areas or provide a separate site plan with the PMA, DIA and POC wells.
- 15) Discharge Impact Area (DIA).

Also, include the following with the latitude and longitude:

- 1) Discharging facilities/discharge locations and existing and proposed Point of Compliance (POC) locations and/or wells
- 2) Tabulation of this data to prevent excessive labeling on the site plan itself is preferred.
  - a. ***For open pit mine facilities***, show the delineation of the passive containment capture zone (PCCZ) and the open pit boundary, if relying on this for BADCT.
  - b. ***For Sewage Treatment Facilities*** include effluent sampling and effluent discharge location(s) with latitude and longitude, and setback distance(s) measured from the treatment and disposal components within the sewage treatment facility to the nearest property line of an adjacent dwelling, workplace, or private property.

- **Is this application for a Sewage Treatment Facility (STF)?**      YES \_\_\_ NO \_\_\_
- **If you answered “YES” to the question above, skip items #25 through 27, and proceed to item #28.**

**25. Characterization of discharge [A.A.C. R18-9-A202(A)(4)], included in Report Section/Appendix \_\_\_\_\_**

For all non-STF facilities: provide characterization of discharge to include a summary of known past and proposed facility discharge activities. Provide estimated discharge characteristics or results of actual discharge characterization, and quantities/flow rate. Tabulated data is preferred with laboratory results included as an appendix.

**Professional Document Requirements**

Please note that, except as exempted by A.R.S. § 32-144.A.7 (employees of mining companies), professional documents, such as reports, plans and specifications, are to be signed by an Arizona registered engineer or geologist (A.R.S. § 32-125). Cost estimates prepared by an engineer, design documents and engineering analysis must be signed and sealed by an Arizona Registered Professional Engineer, and must not include labels such as “Draft”, “Preliminary”, or “Not for Construction” per A.R.S. § 32-101(B)(10 and 11) and 32-125.

The following application sections are typically considered professional documents: Application Items 26 through 32 (Design Documents, BADCT Description, Hydrogeologic Study, Demonstration of Compliance with AWQS at POC, Monitoring Proposal, Contingency Plan, and Closure/Post-closure Plan/Strategy) and Item 35, 36 and 39 for Sewage Treatment Facilities (Design Report, Engineering Plans and Specifications, and Sludge Treatment facilities).

**26. Design Documents [A.A.C. R18-9-A202(A)(3)], included in Report Section/Appendix \_\_\_\_\_**

For all non-STF facilities: provide facility design documents, proposed or as-built, indicating the configuration or other engineered elements of the facility affecting discharge. Drawings must be legible with readable font sizes and include sufficient detail to indicate the key design features. When formal as-built plans are not available, provide documentation sufficient to allow evaluation of those elements of the facility affecting discharge, following the demonstration requirements of A.R.S. 49-243(B). Provide construction specifications and a quality control/quality assurance plan for new facilities.

**27. Best Available Demonstrated Control Technology “BADCT” Description<sup>5</sup> [A.A.C. R18-9-A202(A)(5)], included in Report Section/Appendix \_\_\_\_\_**

For all non-STF facilities: provide design information pertaining to all discharging facilities including all calculations/analyses to demonstrate that all facilities are designed per BADCT guidance or rule.

Examples include: facility sizing, stability analyses, water balance, freeboard calculations, liner leakage rate calculations

For further specifics, please see the Mining and Industrial APP Engineering Substantive Checklist on the ADEQ website: <http://www.azdeq.gov/node/542>.

**28. Hydrogeologic Study or justification that a limited study or no study is required [A.A.C. R18-9-A202(A)(8)], included in Report Section/Appendix \_\_\_\_\_**

For further specifics, please see the Hydrology Substantive Review Checklist on the ADEQ website: <http://www.azdeq.gov/node/542>.

**29. Demonstration of Compliance with AWQS at POCs [A.A.C. R18-9-A202(A)(6)], included in Report Section/Appendix \_\_\_\_\_**

For further specifics, please see the Hydrology Substantive Review Checklist on the ADEQ website: <http://www.azdeq.gov/node/542>.

**30. Monitoring Proposal [A.A.C. R18-9-A202(A)(9)], included in Report Section/Appendix \_\_\_\_\_**

A detailed proposal indicating the alert levels, discharge limitations, monitoring requirements, compliance schedules, and temporary cessation or plans that the Applicant will use to satisfy the requirements of A.R.S. Title 49, Chapter 2, Article 3 and Articles 1 and 2 of Chapter 9. Include as applicable, discharge and groundwater monitoring and operational/inspections. Indicate sampling point(s) with latitude and longitude (e.g. effluent, discharge, groundwater monitoring or other sampling points)

**31. Contingency Plan [A.A.C. R18-9-A202(A)(7) and R18-9-A204], included in Report Section/Appendix \_\_\_\_\_**

**32. Closure and Post-closure Plan/Strategy [A.A.C. R18-9-A202(A)(10)], included in Report Section/Appendix \_\_\_\_\_**

For further specifics, please see the Closure and Post-closure Plan/Strategy and Cost Estimate Checklist on the ADEQ website <http://www.azdeq.gov/node/542>

**Sewage Treatment Facility Applications ONLY (Items 33 through 39)**

**33. For Sewage Treatment Facilities (STFs), indicate the effluent disposal method(s) to be utilized and the disposal capacity for each method [A.A.C. R18-9-B202]:**

| <b>Disposal Method</b>   | <b>Flow capacity (gal/day)</b> |
|--|--------------------------------|
| ___ Beneficial reuse under a Recycled Water Permit                                 |                                |
| ___ Surface impoundment primarily for evaporation                                  |                                |
| ___ Surface impoundment primarily for recharge to groundwater                      |                                |
| ___ Discharge to a Water of the U.S. under a Clean Water Act Permit (NPDES/AZPDES) |                                |
| ___ Vadose zone injection wells  |                                |
| ___ Injection wells directly into groundwater                                      |                                |
| ___ Land application for disposal; not reuse                                       |                                |
| ___ Other, describe: _____   |                                |

**34. Documentation that the Sewage Treatment Facility is in conformance with the Area-wide 208 Quality Management Plan for Sewage Treatment Facilities [A.A.C. R18-9-A201(B)(6)].**  
**Included in Report Section/Appendix \_\_\_\_\_**

For further information on the 208 requirements, please see the ADEQ website <http://www.azdeq.gov/208-review>

**35. Sewage Treatment Facility Design Report [A.A.C. R18-9-B202], attached in Report Section/Appendix \_\_\_\_\_**

Include information pertaining to all discharging facilities including all calculations/analysis to demonstrate that all facilities are designed per BADCT treatment performance requirements in rule. In addition, include facility sizing, stability analyses, water balance, freeboard calculations, and liner leakage rate calculations.

An Arizona registered engineer shall seal the design report.

For further specifics please see the WWTP engineering review checklist on the ADEQ website <http://www.azdeq.gov/node/542>.

**36. Sewage Treatment Facility Engineering Plans and Specifications [A.A.C. R18-9-B203], included in Report Section/Appendix \_\_\_\_\_**

The documents may include manufacturer's specifications and cut sheets and shall be sealed by an Arizona registered engineer.

**37. Sewage Treatment Facility Recycled Water classification [A.A.C. R18-11, Article 3]: \_\_\_\_\_**

**38. Sewage Treatment Facility Set-back map [A.A.C. R18-9-B201(I)], included in Report Section/Appendix \_\_\_\_\_**

**39. Sewage Treatment Facility sludge treatment and disposal description [A.A.C. R18-9-B202]. Included in Report Section/Appendix \_\_\_\_\_**

If treatment or disposal at the facility includes discharging facilities, include the Design and BADCT information required by Items 26 and 27 above. Example of a discharging facility is a sludge drying bed.

**END OF APPLICATION FORM**