ENGINEERING REVIEW
NOTICE OF INTENT TO DISCHARGE
TYPE 4.23-PLUS GENERAL PERMIT
ON-SITE WASTEWATER TREATMENT FACILITY
INSTRUCTIONS

INSTRUCTIONS

Please fill out and submit this Notice of Intent to Discharge (NOI) to obtain authorization to construct and operate an on-site wastewater treatment facility for facilities with design flows between 24,000 gallons per day to less than 75,000 gallons per day under a Type "4.23-Plus" General Permit.

ADEQ currently has 22 General Aquifer Protection Permits for on-site systems. An on-site system is a system that treats and disposes of domestic wastewater on the same property where it was generated. The most common type of on-site system is the septic tank and leach field, which is a conventional system (4.02 General Permit). Other types of on-site wastewater treatment facilities are alternative systems. Alternative systems include technologies such as aerobic systems, composting toilets, and pressurized systems, just to name a few. As required by A.A.C. R18-9-A309(E), the Arizona Department of Environmental Quality maintains a list of proprietary treatment products for use in Arizona.

Type 4 General Permits can be combined if the general permit conditions prescribed in rule are met. For example, a 4.02 general permit for a septic tank may be combined with a pressure distribution system (4.04) and aerobic system (4.15).

GENERAL APPLICATION PROCESS

1. Submit this Notice of Intent to Discharge (NOI) application and appropriate supplemental information and forms, which are identified in rule and/or in this form. Submit the application electronically to GWP_ERU@azdeq.gov.
2. ADEQ recommends a pre-application meeting prior to submitting your application. Email the Engineering Review Unit at GWP_ERU@azdeq.gov, a week in advance. To facilitate scheduling the meeting in a timely manner, include "Pre-Application Meeting" in the subject line. Please bring all final application components including the fee to the meeting.
3. Ensure that email addresses are provided in the NOI application, as all permits are sent to applicants via email.
4. Remit the applicable non-refundable general permit fee (see the instructions on fees listed below). Review fees established by delegated counties or cities may differ.
5. Satisfy any deficiency requests arising from the Department's pre-construction review of the application.
6. Receive a "Construction Authorization" from the Department authorizing construction of the on-site wastewater treatment facility.
7. Construct the on-site wastewater treatment facility within two years.
8. Upon completion of construction, submit the Request for Discharge Authorization and any additional required information to the Department to initiate the Department's post-construction review and inspection.
9. Satisfy any deficiency request arising from the Department's post-construction review of the facility.
10. Receive a "Discharge Authorization" from the Department, which authorizes operation of the on-site system(s) in accordance with the terms of the Type 4.23-Plus General Permit and applicable requirements of statute and rule.

FEES

Fees for a Type 4.23-plus General Permit is subject to the fees for a Type 4.23 General Permit, as listed on the website: azdeq.gov/SepticSewerFees

If an applicant requests priority review, the Department shall approve or deny the request. When determining whether to approve a priority review request, the Department shall consider the complexity of the project and the Department's current work load. The priority review fee is double the applicable fee.

LICENSING TIME FRAMES

Licensing Time Frames (LTFs) are specified by the Arizona Department of Environmental Quality in A.A.C. R18-1-525. The following LTFs limit the number of business days ADEQ can review your project without a penalty:

License Type	Administrative Completeness Review	Substantive Review	Overall Time Frame
4.23 General Permit	42	94	136
Combined Two or Three Type 4 General Permits	42	53	95
Combined Four or More Type 4 General Permits	42	94	136

Note: Each request for an alternative design, installation, or operational feature under A.A.C. R18-9-A312(G) to a type 4 general permit adds eight business days to the substantive review time-frame.

DESIGN REVIEW UPDATE FOR ALTERNATIVE SYSTEMS

System design for alternative type 4 general permits require compliance with the provisions of A.A.C R18-9-A312(B)(4)(a-g), as applicable. A design review will focus attention on overall system design to ensure all applicable requirements are met, regardless of any manufacturer's claim or restriction.

PROVISIONS APPLICABLE TO FACILITIES FROM 24,000 TO LESS THAN 75,000 GALLONS PER DAY

The requirements listed below will be included in an addendum attached to the Discharge Authorization. The final addendum issued with the Discharge Authorization will be modified to reflect specific permit conditions.

A. General Provisions

1. Onsite wastewater treatment facilities ("facilities") that are constructed and operated with design flows of 24,000 to less than 75,000 gallons per day (gpd) are exempt from the design flow limitation of the 4.23 General Permit in the Arizona Administrative Code (A.A.C.) R18-9-E323(A) if the requirements of this section and the 4.23-Plus Addendum are met, pursuant to Arizona Revised Statute (A.R.S.) § 49-245(E).
2. The permittee shall comply with all remaining, non-exempted, requirements of the 4.23 General Permit.
3. The 4.23-Plus Addendum is effective pursuant to the terms of the 4.23 General Permit and A.R.S. § 49-245(H).
4. The Department may maintain a list of proprietary and other reviewed products for use by on-site wastewater treatment facilities to comply with the requirements of the 4.23-Plus Addendum, pursuant to Arizona Revised Statute (A.R.S.) § 49-245(E).
5. A facility permitted under the 4.23-Plus Addendum is subject to the fees for a 4.23 General Permit pursuant to A.A.C. Title 18, Chapter 14.

B. Service Provider Requirements

1. The permittee shall ensure that the facility is routinely operated by a service provider that is certified by the technology manufacturer for the life of the facility.
    a. For facilities that do not utilize a treatment technology listed pursuant to R18-9-A309(E), the permittee is exempt from the service provider requirement in this section and shall only comply with the applicable service provider requirements in A.A.C. R18-9-E323.

C. Operation and Maintenance Requirements

1. The permittee shall comply with:
    a. The operation and maintenance requirements specified in A.A.C. R18-9-E323(E),
    b. The applicable general permits for the treatment works and disposal works used in the design of the on-site wastewater treatment facility,
    c. Any applicable operation and maintenance requirements in a manual from the technology manufacturer approved by the Department, and
    d. All applicable requirements in A.A.C. R18-9-A313(B).
2. Additional operation and maintenance requirements may be required, pursuant to A.R.S. § 49-245(E), based on various factors, such as but not limited to, the following:
    a. Site specific conditions;
    b. Type of treatment technology utilized; or
    c. Strength of wastewater treated.
3. An applicant relying upon a treatment technology listed pursuant to R18-9-A309(E) shall demonstrate adequate performance of that treatment technology up to the design flow requested under this section.

D. Monitoring Requirements

1. A permittee utilizing alternative treatment technologies, listed under R18-9-E303 through R18-9-E322, shall conduct influent and effluent sampling at the facility.
    a. Representative samples shall be collected at influent and effluent sampling locations approved by the Department.
    b. Sampling shall be conducted quarterly, for a period of two years, with a minimum of eight rounds of sampling.
2. Influent sampling shall include BOD, TSS, Total Nitrogen, and Total Coliform.
3. Effluent sampling shall include CBOD, TSS, Total Nitrogen, and Total Coliform.
4. Additional constituents, including FOGs, may be required based on, but not limited to, factors such as:
    a. Desired performance standards;
    b. Site specific conditions;
    c. Treatment technologies; or
    d. Strength of wastewater treated.
5. A permittee shall conduct monitoring under this section in accordance with a sampling plan, which shall be provided to the Department.
6. The Department may require additional monitoring at the facility to ensure compliance with performance standards.
7. Any missed sampling event may result in an extension of the sampling period.
8. 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.

E. Reporting Requirements

1. In addition to the applicable reporting requirements in A.A.C. R18-9-E323(G), the permittee shall report the quarterly influent and effluent monitoring results on a form or method approved by the Department.
2. The permittee shall submit a written report to the Department within 30 days after the permittee becomes aware of a violation of a permit condition. The report shall contain:
    a. A description of the violation and its cause,
    b. The period of violation, including exact date and time, if known, and the anticipated time period the violation is expected to continue,
    c. Any action taken or planned to mitigate the effects of the violation or to eliminate or prevent recurrence of the violation, and
    d. Any malfunction or failure of a pollution control device or other equipment or process which resulted in the violation.

F. Recordkeeping Requirements

1. The permittee shall keep a record of all system inspections, maintenance tasks performed, and monitoring results as part of the performance assurance plan requirements in A.A.C. R18-9-E323(B).

G. Financial Assurance Requirements:

1. Pursuant to A.R.S. § 49-245(F), applicants constructing a facility with design flows of 50,000 to less than 75,000 gpd may be required to demonstrate adequate financial assurance to operate, close, and ensure proper post-closure care of the facility.
2. Financial assurance shall be maintained for the life of the facility.
3. If financial assurance is required, the applicant shall:
    a. Provide cost estimates for facility operation, maintenance, closure, and post-closure,
        i. The applicant shall ensure that the cost estimates are derived by an engineer, controller, or accountant using competitive bids, construction plan take-offs, specifications, operating history for similar facilities, or other appropriate sources, as applicable, and
        ii. The cost estimate shall be representative of regional fair market costs such that the cost of closure estimate, to cease operations without resuming an activity for which the facility was designed or operated, shall be consistent with the applicable closure plan or strategy under A.A.C. R18-9-A306(A)(2) or (A)(4).
    b. Submit, to the Department, a letter signed by the chief financial officer that the applicant is financially capable of meeting the costs outlined in this section,
    c. For a state or federal agency, county, city, town, or other local governmental entity, submit a statement specifying the details of the financial arrangements used to meet the estimated closure and post-closure costs under section (E)(3)(a), including any other details that demonstrate how the applicant is financially capable of meeting the costs described therein,
    d. For other than a state or federal agency, county, city, town, or other local governmental entity, submit the information required for at least one of the financial assurance mechanisms listed in this section that covers the closure and post-closure costs under section (E)(3)(a), including:
        i. The selected financial mechanism or mechanisms,
        ii. The amount covered by each financial mechanism,
        iii. The institution or company that is responsible for each financial mechanism used in the demonstration, and
        iv. Any other details that demonstrate how the applicant is financially capable of meeting the costs,
    e. Submit the information required for at least one of the financial assurance mechanisms listed in subsection (4) of this section, and
    f. Incorporate cost estimates into the performance assurance plan in accordance with A.A.C. R18-9-E323(B)(1).
4. The following mechanisms are determined by the Department to be adequate for the purpose of demonstrating that the facility permitted under R18-9-E323 and the 4.23-Plus Addendum is properly assured in accordance with the applicant's certification in subsection (3)(b) of this section:
    a. <u>Performance surety bond</u>. The applicant may use a performance surety bond if the following conditions are met:
        i. The company providing the performance bond is listed as an acceptable surety on federal bonds in Circular 570 of the U.S. Department of the Treasury,
        ii. The bond provides for performance of all the covered items listed under the cost estimates by the surety, or by payment into a standby trust fund of an amount equal to the penal amount if the permittee fails to perform the required activities,
        iii. The penal amount of the bond is at least equal to the amount of the cost estimate developed in the cost estimates if the bond is the only method used to satisfy the requirements of this Section or a pro-rata amount if used with another financial assurance mechanism,
        iv. The surety bond names the Arizona Department of Environmental Quality as beneficiary,
        v. The original surety bond is submitted to the Director,

vi. Under the terms of the bond, the surety is liable on the bond obligation when the permittee fails to perform as guaranteed by the bond, and
vii. The surety payments under the terms of the bond are deposited directly into the Standby Trust Fund.

b. Certificate of deposit. The applicant may use a certificate of deposit if the following conditions are met:
   i. The applicant submits to the Director one or more certificates of deposit made payable to or assigned to the Department to cover the applicant's financial assurance obligation or a pro-rata amount if used with another financial assurance mechanism,
   ii. The certificate of deposit is insured by the Federal Deposit Insurance Corporation and is automatically renewable,
   iii. The bank assigns the certificate of deposit to the Arizona Department of Environmental Quality,
   iv. Only the Department has access to the certificate of deposit, and
   v. Interest accrues to the permittee during the period the applicant gives the certificate as financial assurance, unless the interest is required to satisfy the requirements in the cost estimates.

c. Letter of credit. The applicant may use a letter of credit if the following conditions are met:
   i. The financial institution issuing the letter is regulated and examined by a federal or state agency,
   ii. The letter of credit is irrevocable and issued for at least one year in an amount equal to the cost estimates or a pro-rata amount if used with another financial assurance mechanism.
   iii. The letter of credit provides that the expiration date is automatically extended for a period of at least one year unless the issuing institution has canceled the letter of credit by sending notice of cancellation by certified mail to the permittee and to the Director 90 days in advance of cancellation or expiration. The permittee shall provide alternate financial assurance within 60 days of receiving the notice of expiration or cancellation,
   iv. The financial institution names the Arizona Department of Environmental Quality as beneficiary for the letter of credit, and
   v. The letter is prepared by the financial institution and identifies the letter of credit issue date, expiration date, dollar sum of the credit, the name and address of the Department as the beneficiary, and the name and address of the applicant as the permittee.

d. Cash deposit.
   i. The applicant may use a cash deposit if the cash is deposited with the Department to cover the financial assurance obligation under the cost estimates.

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TYPE 4.23-PLUS GENERAL PERMIT
ON-SITE WASTEWATER TREATMENT FACILITY
APPLICATION

ADEQ Arizona Department of Environmental Quality

GENERAL INFORMATION

1 Project Name

Project Name

Applicant (person responsible for overall compliance)

(Check One) ☐ Owner ☐ Operator

Name _____ Phone _____

Title _____ Firm Name _____

Mailing Address _____ City _____ State _____ Zip _____

Email Address* _____

*Email addresses are required as all permits will be sent to the applicant via e-mail.

3 Contact Person/Agent (if different from applicant)

Name _____ Phone _____

Title _____ Firm Name _____

Mailing Address _____ City _____ State _____ Zip _____

Email Address* _____

*Email addresses are required as all permits will be sent to the applicant via e-mail.

4 Site Information

County _____ City _____

Township _____ Range _____ Section _____ , _____

Latitude _____ º _____ ‘ _____ “ N _____ Longitude _____ º _____ ‘ _____ “ W

Address Parcel Number Size Acres

5 Existing Environmental Permits

List any other federal or state environmental permits issued for or needed by the facility, including any individual permit, Groundwater Quality Protection Permit, or Notice of Disposal that may have previously authorized the discharge (attach additional pages if necessary).

6 Review Fees

A) ☐ Standard Review Fee (See Instructions)

B) ☐ Request for priority review for this NOI and include double the Standard Review Fee.

DEPARTMENT USE ONLY		DATE STAMP
File Number		
Fee Paid for this Project		
Check Total		
Priority Review Requested?	YES / NO	

SUPPLEMENTAL INFORMATION

7 Information and Submission Requirements (Check All Completed Items)

☐ Site Investigation Report per A.A.C. R18-9-A309(B)(1)
☐ Site Plan per A.A.C. R18-9-A309(B)(2)

8 Design Flow and Strength of Wastewater

A) Design flow per A.A.C. R18-9-A309(B)(3) _____ gallons per day

B) The expected strength of the wastewater (if the strength exceeds the levels for typical sewage) is attached? ☐ Yes

C) For single family dwelling, a list of the number of bedrooms and plumbing fixtures and corresponding unit flows used to calculate the design flow of the facility per A.A.C. R18-9-A314.

Wastewater Source	Number	Unit Flows used to calculate the design flow of the facility
Bedrooms		
Plumbing Fixtures		

D) For a dwelling other than for a single family, a list of each wastewater source and corresponding unit flows used to calculate the design flow of the facility.

Wastewater Source	Number	Unit Flows used to calculate the design flow of the facility

9 List of Materials, Components, and Equipment

A list of materials, components, and equipment for constructing the on-site wastewater treatment facility is attached? ☐ Yes

10 Selected General Permits (Check All General Permits that Are being Applied for)

☐ **Interceptor(s) as Required under R18-9-A315**

A) Please enter the number of interceptors proposed for this project _____.

☐ **Alternative Request(s) are attached (A.A.C. R18-9-A312(G))**

A) Please indicate how many A312G requests are attached _____.

☐ **4.02 Septic Tank With Disposal by Trench, Bed, Chamber Technology or Seepage Pit, Less than 3,000 Gallons Per Day (GPD) Daily Flow**

A) This on-site wastewater treatment facility consists of a conventional septic tank system and disposal field sized for a design flow of _____ gallons per day. The septic tank conveys wastewater to a disposal field consisting of (check one):
   1. ☐ Trench
      a. ☐ Filled with aggregate [A.A.C. R18-9-101(1)], or
      b. ☐ Filled with crushed, recycled concrete [A.A.C. R18-9-E302(C)(2)(d)]
   2. ☐ Bed
   3. ☐ Chamber technology
   4. ☐ Seepage pit

B) The date the system is expected to start operation _____.

C) The sewage to the septic tank has the characteristics of: ☐ Typical household sewage or ☐ Typical household sewage and _____

D) This on-site wastewater treatment facility is for (check one):
   ☐ Conventional septic tank system serving a single-family residence.
   ☐ Conventional septic tank system serving other than a single-family residence.

☐ **4.03 Composting Toilet, Less than 3,000 GPD Daily Flow (Please select from Product List)**

A) Composting toilet system manufacturer name _____

B) Composting toilet system manufacturer address _____

C) A copy of the manufacturer's warranty, and the specifications for installation, operation, and maintenance has been provided? ☐ Yes

D) The product model number _____

E) Calculations for the composting rate, capacity, and waste accumulation volume are attached? ☐ Yes

F) Documentation of listing by a national listing organization indicating that the composting toilet meets the stated manufacturer's specifications for loading, treatment performance, and operation has been attached (unless the composting toilet is listed under R18-9-A309(E) or is a component of a reference design approved by the Department)? ☐ Yes

G) Describe the vector control method. _____

H) Describe the planned method and frequency for disposing of the composted human excrement residue.

_____

I) Describe the planned method for disposing of the drainage from the composting unit.

_____

J) The number of bedrooms in the dwelling or persons served on a daily basis, as applicable. _____

K) What is the corresponding design flow of the disposal works for the wastewater? _____

L) The results from soil evaluation or percolation testing that adequately characterize the soils into which the wastewater will be dispersed and the locations of soil evaluation and percolation testing on the site plan have been provided? ☐ Yes

M) The design for the disposal including the location of the interceptor, the location and configuration of the trench or bed used for wastewater dispersal, the location of connecting wastewater pipelines, and the location of the reserve area has been provided? ☐ Yes

☐ 4.04 Pressure Distribution System, Less than 3,000 GPD Daily Flow

A) A copy of operation, maintenance, and warranty materials for the principal components has been attached? ☐ Yes

B) A copy of dosing specifications, including pump curves, dispersing component curves, and float switch settings is attached? ☐ Yes

☐ 4.05 Gravelless Trench, Less than 3,000 GPD Daily Flow

A) The soil absorption area that would be required if a conventional disposal trench filled with aggregate was used at the site? ☐ Yes

B) The configuration and size of the proposed gravelless disposal field is attached? ☐ Yes

C) The manufacturer's installation instructions and warranty of performance for absorbing wastewater into the native soil is attached? ☐ Yes

☐ 4.06 Natural Seal Evapotranspiration Bed, Less than 3,000 GPD Daily Flow

A) Capillary rise potential test results for the media used to fill the evapotranspiration bed, unless sand meeting a D50 of 0.1 millimeter (50 percent by weight of grains equal to or smaller than 0.1 millimeter) is used? ☐ Yes

B) Water mass balance calculations were used to size the evapotranspiration bed? ☐ Yes

☐ 4.07 Lined Evapotranspiration Bed, Less than 3,000 GPD Daily Flow

A) Capillary rise potential test results for the media used to fill the evapotranspiration bed, unless sand meeting a D50 of 0.1 millimeter (50 percent by weight of grains equal to or smaller than 0.1 millimeter) is used? ☐ Yes

B) Water mass balance calculations were used to size the evapotranspiration bed? ☐ Yes

☐ 4.08 Wisconsin Mound, Less than 3,000 GPD Daily Flow

A) Specifications for the internal wastewater distribution system media proposed for use in the mound are attached? ☐ Yes

B) Two scaled or dimensioned cross sections of the mound (one of the shortest basal area footprint dimension and one of the lengthwise dimension) are attached? ☐ Yes

C) Design calculations following the "Wisconsin Mound Soil Absorption System: Siting, Design, and Construction Manual," published by the University of Wisconsin - Madison, January 1990 Edition have been provided? ☐ Yes

☐ 4.09 Engineered Pad, Less than 3,000 GPD Daily Flow (Please select from Product List)

A) Design materials and construction specifications for the engineered pad system are attached? ☐ Yes

☐ 4.10 Intermittent Sand Filter, Less than 3,000 GPD Daily Flow

A) Specifications for the media proposed for use as the sand filter are attached? ☐ Yes

☐ 4.11 Peat Filter, Less than 3,000 GPD Daily Flow (Please select from Product List)

A) Specifications for the peat media proposed for use in the filter or provided in the peat module, including the porosity, surface area, and moisture content are attached? ☐ Yes

B) A statement indicating whether the peat is air dried, and whether the peat is from sphagnum moss or bog cotton is attached? ☐ Yes

C) A description of the degree of decomposition is attached? ☐ Yes

D) Specifications for installing the peat media are attached? ☐ Yes

E) If a peat module is used, the name and address of the manufacturer, the model number, and a copy of the manufacturer's warranty are attached? ☐ Yes

☐ **4.12 Textile Filter, Less than 3,000 GPD Daily Flow (Please select from Product List)**

A) Filter manufacturer name _____

B) Filter manufacturer address _____

C) Filter model number _____

D) A copy of the manufacturer's filter warranty is attached? ☐ Yes

E) If the system is for nitrogen reduction to 15 milligrams per liter, five-month arithmetic mean, specifications on the nitrogen reduction performance of the filter system, and corroborating third-party test data is attached? ☐ Yes

F) The manufacturer's operation and maintenance recommendations to achieve a 20-year life are attached? ☐ Yes

G) If a pump or aerator is required for proper operation, the pump or aerator model number and a copy of the manufacturer's warranty is attached? ☐ Yes

H) The design report has demonstrated there is adequate storage for untreated wastewater above the high operating level for a 24 hour period per AAC R18-9-E312 (B)(4)(e)? ☐ Yes

I) The design provides fail-safe wastewater controls or operational processes to prevent the release of inadequately treated wastewater per AAC R18-9-E312 (B)(4)(g)? ☐ Yes

☐ **4.13 Denitrifying System Using Separated Wastewater Streams, Less than 3,000 GPD Daily Flow**

☐ **4.14 Sewage Vault, Less than 3,000 GPD Daily Flow**

☐ **4.15 Aerobic System, Less than 3,000 GPD Daily Flow (Please select from Product List)**

A) Aerobic system manufacturer name _____

B) Aerobic system manufacturer address _____

C) Aerobic system model number _____

D) Evidence of performance specified in AAC R18-9-E315(B) has been attached? ☐ Yes

E) A copy of the manufacturer's warranty and operation and maintenance recommendations to achieve performance for a 20-year life has been attached? ☐ Yes

F) If the aerobic system will be used for nitrogen removal from the wastewater, has evidence of a valid product listing under R18-9-E309(E) indicating nitrogen removal performance, or specifications and third party test data corroborating nitrogen reduction to the intended level been provided? ☐ Yes

G) A list of pretreatment components needed to meet performance requirements has been attached? ☐ Yes

H) The design report has demonstrated there is adequate storage for untreated wastewater above the high operating level for a 24 hour period per AAC R18-9-E312 (B)(4)(e)? ☐ Yes

I) The design provides fail-safe wastewater controls or operational processes to prevent the release of inadequately treated wastewater per AAC R18-9-E312 (B)(4)(g)? ☐ Yes

☐ **4.16 Nitrate-Reactive Media Filter, Less than 3,000 GPD Daily Flow (Please select from Product List)**

A) Filter manufacturer name _____

B) Filter manufacturer address _____

C) Filter model number _____

D) The manufacturer's requirements for pretreated wastewater supplied to the nitrate-reactive media filter have been attached? ☐ Yes

E) The manufacturer's specifications for design, installation, and operation for the nitrate-reactive media filter system and appurtenances have been attached? ☐ Yes

F) The manufacturer's warranty for the nitrate-reactive media filter system and appurtenances has been attached? ☐ Yes

G) The manufacturer's operation and maintenance recommendations to achieve a 20-year operational life for the nitrate-reactive media filter system and appurtenances have been attached? ☐ Yes

H) The manufacturer name and model number for all appurtenances that significantly contribute to achieving the performance have been attached? ☐ Yes

☐ **4.17 Cap System, Less than 3,000 GPD Daily Flow**

A) The specifications for the proposed cap fill material have been attached? ☐ Yes

☐ **4.18 Constructed Wetlands, Less than 3,000 GPD Design Flow**

☐ **4.19 Sand Lined Trench, Less than 3,000 GPD Design Flow**

A) Specifications for the proposed media in the trench are attached? ☐ Yes

☐ **4.20 Disinfection Devices, Less than 3,000 GPD Design Flow**

☐ **4.21 Surface Disposal, Less than 3,000 GPD Design Flow**

☐ **4.22 Subsurface Drip Irrigation, Less than 3,000 GPD Design Flow**

A) Documentation of the pretreatment method proposed to achieve the wastewater criteria specified in AAC R18-9-A322(B)(1), such as the type of pretreatment system and the manufacturer's warranty is attached? ☐ Yes
B) Initial filter and drip irrigation flushing settings are attached? ☐ Yes
C) Calculations of the site evaporation rate are attached? ☐ Yes
D) If supplemental irrigation water is introduced to the subsurface drip irrigation disposal works, an identification of the cross-connection controls, backflow controls, and supplemental water sources are attached? ☐ Yes

☐ **4.23 On-site Wastewater Treatment Facility, 3,000 to 24,000 GPD Design Flow (Check if complete or attached)**

A) A performance assurance plan consisting of tasks, schedules, and estimated annual costs for operating, maintaining, and monitoring performance over a 20-year useful service life is attached? ☐ Yes
B) Design documents and the performance assurance plan sealed by an **Arizona-registered professional engineer** are attached? ☐ Yes
C) Any documentation submitted under the alternative design procedure in R18-9-A312(G) that pertains to achievement of better performance levels than those specified in the general permit for the corresponding facility with a design flow of less than 3,000 gallons per day, or for any other alternative design, construction, or operational change proposed by the applicant is attached? ☐ Yes
D) A demonstration of total nitrogen discharge control specified in A.A.C. R18-9-E323(A)(4) is attached? ☐ Yes
E) A Water Quality Management (208) Consistency Review Form is attached? ☐ Yes
Note: A current 208 Consistency Review Form can be obtained by contacting the 208 Consistency Review Coordinator at (602) 771-4606.

11 Additional On-site Requirements (for a Type 4.23-Plus General Permit from 24,000 to less than 75,000 gpd)

A) For a facility that includes treatment or disposal works permitted under a Type 4.03 to 4.23 General Aquifer Protection Permits (A.A.C. R18-9-E303 through R18-9-E323):
1) Construction quality drawings that show the items listed in A.A.C. R18-9-A309(B)(6)(a) is attached? ☐ Yes
2) Per A.A.C R18-9-A309(B)(6)(b) and R18-9-A313(B), a draft operation and maintenance manual for the on-site wastewater treatment facility consisting of the tasks and schedules for operating and maintaining performance over a 20-year operational life is attached? ☐ Yes
B) For a facility utilizing a treatment component produced or licensed by a technology manufacturer, documentation showing the service provider is certified by the technology manufacturer (Attachment 1, below)? ☐ Yes or ☐ Will be provided with Request for Discharge Authorization
C) The applicant acknowledges the additional maintenance, monitoring, recordkeeping, and reporting requirements for a Type 4.23-Plus General Permit that must be demonstrated in this application and in the Request for Discharge Authorization. ☐ Yes
D) For facilities with a design flow between 50,000 to less than 75,000 gpd, and as required by the Director, documentation is provided showing the onsite wastewater treatment facility(s) meets the 4.23-Plus General Permit financial assurance mechanism requirements. ☐ Will be provided with Request for Discharge Authorization, as applicable

12 Certification (to be completed by Applicant in item 2)

I, _____, certify that this Notice of Intent to Discharge 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 on-site wastewater treatment facility described in this form is or will be designed, constructed, and operated in accordance with the terms and conditions the General Aquifer Protection Permit(s) (A.A.C. R18-9-E302 through R18-9-E323) 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 well as the possibility of fine and imprisonment for knowing violations.

Signature _____ Date _____

Pursuant to A.R.S. § 41-1030:
(1) ADEQ shall not base a licensing decision, in whole or in part, on a requirement or condition not specifically authorized by statute or rule. General authority in a statute does not authorize a requirement or condition unless a rule is made pursuant to it that specifically authorizes the requirement or condition.
(2) Prohibited licensing decisions may be challenged in a private civil action. Relief may be awarded to the prevailing party against ADEQ, including reasonable attorney fees, damages, and all fees associated with the license application.
(3) ADEQ employees may not intentionally or knowingly violate the requirement for specific licensing authority. Violation is cause for disciplinary action or dismissal, pursuant to ADEQ's adopted personnel policy. ADEQ employees are still afforded the immunity in A.R.S. §§ 12-821.01 and 12-820.02.

ADEQ Arizona Department of Environmental Quality

ATTACHMENT 1
SERVICE PROVIDER CERTIFICTION
ONSITE WASTEWATER TREATMENT SYSTEM GENERAL PERMIT

INSTRUCTIONS

Certification statement must be completed by the technology manufacturer. Complete all required information and submit to ADEQ as part of the Notice of Intent to Discharge or Discharge Authorization Request.

1 Certification Statement (to be completed by the technology manufacturer)

_____ is certified by _____

Service Provider Name — Technology Manufacturer Name

to operate the following technology component(s) for the facility listed above.

Technology Component(s): _____

_____

_____

_____

_____

_____

Name _____

Technology Manufacturer Name

Signature _____

Technology Manufacturer Signature — Date