

# Alternative Septic System Final Inspection



Inspection shall be performed by an Arizona registered Professional Engineer  
Please contact Pima County DEQ 48 hours prior to inspection at 520-243-7400

Property Address: \_\_\_\_\_ PDEQ Project Number: \_\_\_\_\_

Inspector Name: \_\_\_\_\_ Date of Inspection: \_\_\_\_\_

Contractor Name: \_\_\_\_\_ Contractor License Number: \_\_\_\_\_

## Septic Tank: R18-9-A314

- \_\_\_ Tank leak tested and Certificate of watertightness has been completed by responsible person
- \_\_\_ Tank size and location match site plan or new location shown on As-built
- \_\_\_ Tank is level
- \_\_\_ Manufacturer, tank size, max depth of cover, and date of manufacture marked on top of tank  
Mfr. \_\_\_\_\_ Size \_\_\_\_\_ gallons Material \_\_\_\_\_
- \_\_\_ Inlet & Outlet clearly and permanently marked above or to the right or left of openings
- \_\_\_ Inlet/outlet openings and vertical leg at least 4" but not smaller than size of connecting sewer
  - a. Extends at least 4" above & at least 12" below liquid surface
  - b. Inlet invert installed 2" above outlet invert
- \_\_\_ Appropriate risers installed if the depth of cover is greater than 6 inches
- \_\_\_ Access openings at least 20" wide
  - a. One over inlet, one over outlet
  - b. If inlet compartment is over 12 feet long, 3<sup>rd</sup> opening provided over baffle
- \_\_\_ Appropriate baffle in place OR
  - \_\_\_ Baffle removed
- \_\_\_ Effluent filter installed and is accessible
- \_\_\_ Plumbing and distribution piping is appropriate size / material, and connections water tight

## Pump Tank and Pumps: R18-9-A314 and R18-9-E304

- \_\_\_ Tank leak tested and Certificate of watertightness has been completed by responsible person
- \_\_\_ Tank size and location match site plan or new location shown on As-built
- \_\_\_ Manufacturer, tank size, max depth of cover, and date of manufacture marked on top of tank  
Mfr. \_\_\_\_\_ Size \_\_\_\_\_ gallons Material \_\_\_\_\_
- \_\_\_ Appropriate risers installed if depth of cover is greater than 6 inches
- \_\_\_ Tank is level
- \_\_\_ Appropriate baffle in place OR
  - \_\_\_ Baffle removed
- \_\_\_ Pump for TREATMENT DEVICE: HP \_\_\_\_\_ Model Number: \_\_\_\_\_
- \_\_\_ Float settings for TREATMENT DEVICE pump:  
Reference Point/Datum \_\_\_\_\_ Pump On \_\_\_\_\_ Pump Off \_\_\_\_\_ High Water Alarm \_\_\_\_\_
- \_\_\_ Pump for TREATMENT DEVICE operates properly as confirmed by squirt/pressure test  
Squirt Height or Distal Pressure \_\_\_\_\_
- \_\_\_ Pump for DISPOSAL FIELD: HP \_\_\_\_\_ Model Number: \_\_\_\_\_
- \_\_\_ Float settings for DISPOSAL FIELD pump:  
Reference Point/Datum \_\_\_\_\_ Pump On \_\_\_\_\_ Pump Off \_\_\_\_\_ High Water Alarm \_\_\_\_\_
- \_\_\_ Pump for DISPOSAL FIELD operates properly as confirmed by squirt/pressure test  
Squirt Height or Distal Pressure \_\_\_\_\_
- \_\_\_ High water alarm(s) tested
- \_\_\_ Electrical wiring and control box specs match site plan and design report

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**Proprietary Secondary Treatment Devices:** R18-9-E309, E311, E312, E315, or E316

- \_\_\_ Secondary treatment device specs and location match site plan  
    Manufacturer: \_\_\_\_\_ Model Number: \_\_\_\_\_
- \_\_\_ Telemetry tested to confirm communication with service provider, if applicable
- \_\_\_ If time-dosed, timer operates properly Interval \_\_\_\_\_
- \_\_\_ Blower / aerator for aerobic treatment unit operates properly

**Disinfection Device:** R18-9-E320

- \_\_\_ Disinfection device specs and location match site plan Model Number: \_\_\_\_\_
- \_\_\_ Disinfection device drains between doses and is on a solid foundation
- \_\_\_ Fail-safe for disinfection device verified Type: \_\_\_\_\_
- \_\_\_ Size of contact chamber for disinfection device matches site plan Size: \_\_\_\_\_

**Disposal Field:** R18-9-E302, E305, E306, E307, E308, E309, E310, E317, E318, E319, or E322

- \_\_\_ Disposal field size and location match site plan. Length: \_\_\_\_\_ Width: \_\_\_\_\_ Depth: \_\_\_\_\_
- \_\_\_ Number of disposal field laterals matches site plan Number of Laterals: \_\_\_\_\_
- \_\_\_ Spacing between disposal field laterals matches site plan Distance: \_\_\_\_\_
- \_\_\_ Spacing between emitters matches site plan Distance: \_\_\_\_\_
- \_\_\_ Type & depths of media (sand/gravel/soil) below AND above disposal field laterals match site plan  
    Sand \_\_\_\_\_ Gravel \_\_\_\_\_ Soil \_\_\_\_\_
- \_\_\_ Construction material (PVC, polyethylene) and thickness of disposal field laterals match site plan
- \_\_\_ Emitters discharge uniformly as confirmed during pump testing
- \_\_\_ Flushing system operates properly as confirmed during pump testing
- \_\_\_ Air vacuum relief valves, ball valves, and/or check valves installed correctly
- \_\_\_ Observation port(s) installed and properly restrained Burial Depth \_\_\_\_\_
- \_\_\_ Geotextile fabric installed correctly to cover entire length & width
- \_\_\_ PVC liner for sand filter or E-T bed passes leak test Rate of Leakage \_\_\_\_\_
- \_\_\_ Disposal field has adequate drainage, berms, and /or rip-rap to protect from erosion and flooding
- \_\_\_ Distribution box is level, on stable surface and inlet at least 1" above outlet, if applicable

Description of As-Built changes: \_\_\_\_\_

\_\_\_\_\_

Additional Observations: \_\_\_\_\_

\_\_\_\_\_

Approved \_\_\_\_\_ Rejected \_\_\_\_\_ Signature \_\_\_\_\_

Engineer's Seal:

