

Individual Onsite Wastewater Treatment Facility Site Suitability Determination Checklist, Guidelines



Pima County Department of Environmental Quality
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This form must be filled in completely and signed by the applicant, the applicant's representative who has legal authority to sign for the applicant, or a qualified individual who completed the Site Suitability Determination. Submit original forms, as photocopies will not be accepted.

Site Address / Legal Description: _____ Date: _____

Subdivision: _____ Lot # / Space: _____ Tax ID Number: _____

Owners Name: _____ Owners Phone Number: _____

Person/Company Name Performing Site Evaluation: _____ Phone #: _____

Contractor Name & License #, if applicable: _____

A. Site Plan Information

Does the site plan contain the following information in the format required?

(Check the items listed below that apply)

- ____ 1. Parcel number (Tax ID #), property address, and property size in acres. **A.309.B.2.a**
- ____ 2. Property boundaries and north arrow. **A.309.B.2.b**
- ____ 3. Proposed and existing on-site wastewater treatment facilities, with wastewater pipelines. **A.309.B.2.b.i**
- ____ 4. Dwellings and other buildings, pools, wells, and ponds. **A.309.B.2.b.i**
- ____ 5. Driveways, porches, tennis courts, and other paved or concrete features. **A.309.B.2.b.i**
- ____ 6. Cut banks, retaining walls, or other features that might affect the system. **A.309.B.2.b.i**
- ____ 7. Features less than 200 feet outside property line that constrain location. **A.309.B.2.b.ii**
- ____ 8. Topography with contours, original grades, and final grades if surface slope is greater than 5%. **A.309.B.2.b.iii**
- ____ 9. Surface limiting conditions, such as the presence of fill material or the 100-year floodplain. **A.311.C, A.310.C.2**
- ____ 10. Primary area, reserve area, and all soil testing locations. **A.309.B.2.b.iv**
- ____ 11. Site plan is drawn to scale. **A.309.B.2.b**
- ____ 12. Site plan is accurate, as determined by a field inspection. **A.301.D**
- ____ 13. No public sewer with adequate capacity is within 200 feet of property line, or waiver was obtained. **PCC 7.21.037.D**

B. Setback Requirements

Does the proposed location for all parts of the on-site system meet the following setback requirements? **A.312.C applies to all**

(Check the items listed below that apply)

- ____ 1. Five feet or more from a driveway or easement.
- ____ 2. Ten feet (water main), five feet (domestic line).
- ____ 3. Ten feet or more to structures including decks, porches, etc.
- ____ 4. Five feet or more to a swimming pool.
- ____ 5. Fifty feet to a wash that drains more than 20 acres.
- ____ 6. One hundred feet or more to a well. **notes (2)a,b**
- ____ 7. Five feet or more from property lines.
- ____ 8. Fifty feet from property line if no central water source.
- ____ 9. One hundred feet to live or intermittent stream.
- ____ 10. Two hundred feet to surface water drinking source.
- ____ 11. One hundred feet to lake, reservoir, or canal.
- ____ 12. One hundred feet to an earth fissure.
- ____ 13. Downslopes or cut banks >15%, culverts, and ditches from: septic tank- 10 feet,
disposal field if no limiting condition within 12 feet of land surface- 20 feet (50 feet if limiting condition exists).

Engineer's Seal:

**PIMA COUNTY DEPARTMENT OF ENVIRONMENTAL QUALITY
PERCOLATION TEST DATA SHEET**

Address / Legal Description: _____, Subdivision: _____, Lot # / Space _____

Name of person performing test (please print) _____, Slope % in area: _____, % Rock out-croppings _____

Depth of deepest profile hole (ft) _____, Depth of most shallow profile hole (ft) _____, Distance to cuts in slope (ft.): _____

PRE-SOAKING LOG *													
Test No.	PRIMARY AREA MINUTES PER 12 INCHES						RESERVE AREA OR OTHER AREA MINUTES PER 12 INCHES						
	Hole 1	Hole 2	Hole 3	Hole 4	Hole 5	Hole 6		Hole 1	Hole 2	Hole 3	Hole 4	Hole 5	Hole 6
1**													
2													
3***													
4													
Test Depth													
Total Pre-soaking Time													

* Percolation test holes are 12 inches square or 15 inches in diameter, located in undisturbed soil, and at least 12 inches deep

** If 12 inches of water drains away in 60 minutes or longer, continue to pre-soak the hole for another four hours. Proceed with the percolation test between 16 and 24 hours after pre-soaking is completed.

*** If 12 inches of water drains away in less than 60 minutes, three times, then proceed with the percolation test. The percolation test must proceed before soil hydraulic conditions established by the pre-soaking procedure substantially change.

PERCOLATION TEST						
Test No.	Minutes per inch					
	Hole 1	Hole 2	Hole 3	Hole 4	Hole 5	Hole 6
1						
2						
3						
4						
5						
6						
7						
Stabilized Rate						
Test Depth						

Engineer's Seal 	Comments
Pre-soak Date: Percolation Test Date:	
PDEQ Representative: _____ Date: _____	
Contractor name: _____ Date: _____	

SOIL EVALUATION FOR PERC TEST IN PRIMARY AREA (use ASTM method and forms if req'd by R18-9-A310.D.3.b)						
Depth (ft.)	HOLE 1			HOLE 2		
	Soil Texture / Structure / Consistence	% Rock Fragments	Mottles (Y/N)	Soil Texture / Structure / Consistence	% Rock Fragments	Mottles (Y/N)
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						

SOIL EVALUATION FOR PERC TEST IN RESERVE AREA AND/OR OTHER AREAS (use ASTM method and forms if req'd by R18-9-A310.D.3.b)						
Depth (ft.)	HOLE 3			HOLE 4		
	Soil Texture / Structure / Consistence	% Rock Fragments	Mottles (Y/N)	Soil Texture / Structure / Consistence	% Rock Fragments	Mottles (Y/N)
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						