



Mariposa County Public Health Department

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MARIPOSA COUNTY HEALTH DEPARTMENT POLICY

CONDITIONS FOR SEWAGE DISPOSAL ON PROPOSED LOTS TO BE CREATED VIA THE LDA/LLA PROCESS

POLICY 03-01

- I. Require testing of soil for sewage disposal as shown in the Health Department's soils zone map and chart, consistent with General Plan.
- II. Minimum usable disposal area required relative to percolation rates for each single family home shall be as follows:

Percolation Rate (Minutes/Inch)	Minimum Usable Disposal Area Area (Ft ²)* (New Parcels)
101 – 120	18,000
81 – 100	16,000
61 – 80	14,000
41 – 60	12,000
21 – 40	10,000
11 – 20	8,000
5 – 10	6,000

*Includes a 100% replacement area.

- III. Conditions suitable for installation of standard on-site sewage disposal systems:
 - A. Adequate soil and suitable to a depth of 8 feet or more (exceptions mentioned in Policy 91-6 which will consider 6 feet of soil on a case by case basis).
 - B. Soil permeability rates (if determined) between 5 and 60 min./inch.
 - C. Leachfield area and required expansion area sited in area not in excess of 30% slope.

- D. No evidence of high groundwater within five feet of proposed trench bottom as determined by soil profile.
 - E. Meets all setback requirements.
- IV. Site conditions requiring the use of special designed or engineered sewage disposal systems to mitigate conditions not meeting the above criteria for "standard" systems:
- A. Setbacks – sewage disposal system including required expansion must be capable of being installed within established setbacks.
 - B. Soil must meet the minimum criteria as follows:
 - 1. No evidence of groundwater within three feet in depth beneath the proposed disposal depth.
 - 2. Soil depth of at least two feet beneath proposed disposal depth.
 - 3. Soil permeability, as determined by percolation tests, between 0 – 120 min., provided minimum available area is present (see item II).
 - 4. Soil as defined in Policy 91-6 based on USDA soil characteristics.
 - C. A Notice of Special Design Conditions/Restrictions shall be recorded on the deed for the parcel.
 - D. A maintenance entity shall be required prior to approval and installation of a special design sewage disposal system on a land division. In lieu of a public entity, an operation and maintenance protocol may be submitted for approval by the manufacturer of a specific technology.
- V. The following are examples of Special Design Sewage Disposal or Engineered Systems acceptable for the purpose of land division:
- Modified standard systems (larger than "normal" standard type leachfield).
 - At-grade bed systems.
 - Mound systems.
 - Gravel-filled pressure distribution systems.

- Sand-filled pressure distribution systems.
- Intermittent sand filter systems with gravity or pressure dosed leachfields.
- Other systems may be approved by the Health Officer provided they are proven to be as effective and as reliable as the above systems.

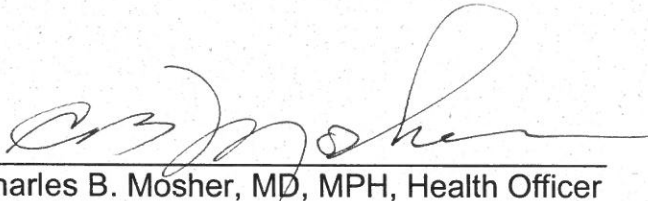
VI. Areas considered unsuitable for the location of disposal systems or replacement areas.

- A. Areas within an easement that is dedicated for surface or subsurface improvement.
- B. Paved areas.
- C. Areas not owned or controlled by property owners unless said area is dedicated for waste disposal purposes.
- D. Areas occupied or to be occupied by structures.
- E. Areas with soil percolation rates slower than 120 minutes to the inch.

References:

Effluent Distribution, Otis, Converse, Carlile, Witty.

Environmental Engineering and Sanitation Fourth Edition, Salvato, 1992.



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Date

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