

Utilities: ~~(Water, Sewer, Gas and Electrical Lines; Waste Disposal Facilities; Shore side Pump-out Facilities; Lighting and Wells~~

(1) Policy

(a) The improper placement and maintenance of utility lines, waste disposal facilities, shore side pump-out facilities, lighting and wells can have significant effects on lakes due to disturbance of the lakebed or lakeshore.

(b) Overhead electrical lines are unsightly, potentially dangerous in or near a water environment and generally in conflict with the natural setting of the lakeshore protection zone.

Comment [1]:
Moved from gas and electrical lines section

(2) Standards

(a) General Standards for ~~(Utility Line Burials)~~

~~(a)~~ All gas, water and electrical lines within the lakeshore protection zone shall be buried and located between the mean annual high and low water elevations.

~~(b)~~ That portion of the gas, water or electrical line which is not buried and lies exposed on the bottom of the lakeshore shall be weighted to prevent floatation or snagging.

Comment [2]: Moved part of this to waterline section

~~(c)~~(i) When digging a trench on the lakebed or lakeshore, ~~Only~~ the minimum amount of material necessary to lay the line shall be removed from the trench.

~~(c)~~(ii) Material excavated from a trench shall be replaced back into the trench as backfill and compacted and consolidated in order to prevent erosion. Material which cannot be not replaced back into the trench shall be completely removed from the lakeshore protection zone.

~~(d)~~(iii) In areas where there is a rock layer on the surface of the lakebed or lakeshore, such rock shall be removed and set aside, then replaced as a protective layer subsequent to the excavation.

~~(e)~~(iv) In areas where no rock layer exists, the replaced dirt shall be compacted and consolidated in order to prevent erosion. Additional cover, such as gravel, a rock layer or vegetation may also be required to prevent erosion.

~~(f)~~(v) Following installation, the lakebed or lakeshore shall be returned to its original pre-construction condition.

~~(g)~~(vi) For burial of utility lines below low water, ~~A~~a trenching machine may extend its bucket or digger into the lake to extend the trench below low water line of the lake.

~~(h)~~(vii) At no time shall the wheels or tracks of any vehicle come in contact with the lake.

~~(3)~~(b) Waterlines *(Note: burial of waterlines shall also comply with the General Standards for Utility Line Burials)*

~~(a)~~ Policy

~~Deep wells located outside the lakeshore protection zone are the preferred water source. If a deep well is not feasible, direct lake water may be used.~~

~~(b)~~ Standards

(i) A water line shall be located no closer than fifteen feet (15') from either side of the property/riparian line.

~~(ii)~~ ~~(iv)~~ All waterlines shall be covered or buried for safety and aesthetic purposes unless placement is temporary in nature (less than thirty (30) days).

~~(iii)~~ Below low water, a water line may lie exposed on the bottom of the lakebed.

~~(iv)~~ That portion of the water line which is not buried and lies exposed on the bottom of the lakebed shall be weighted to prevent floatation or snagging.

~~(v)~~ ~~(ii)~~ Waterlines using submersible pumps may incorporate an electrical line. All such work and installation shall be done in accordance with the State Uniform Plumbing and Electrical Codes.

~~(vi)~~ ~~(iii)~~ No waterline shall lie on top of or be attached to a floating dock or raft.

Comment [3]: Moved from utility line burial section, reworded slightly

~~(4)~~(c) Sewer lines, Waste Disposal facilities, and Shore side pump-out facilities

~~(a)~~ Standards

(i) Domestic sewer lines or components are prohibited in the lakeshore protection zone.

(ii) Municipal/community sewer lines, lift stations and other associated facilities are prohibited in the lakeshore protection zone.

(iii) ~~Shore side pump-out facilities may be placed~~ are allowed to be located in the lakeshore protection zone for property associated with in public marinas, or private marinas/common use docks, or and public parks-, provided:

~~(iv)~~ ~~(aa)~~ Shore side pump-out facilities ~~must~~ receive approval ~~off from~~ the Montana Department of Health and Environmental Quality (DEQ) Sciences and the Lake County Environmental Health Department.

~~(v)~~ ~~(bb)~~ Shore side pump-out facilities ~~shall~~ include equipment to pump or otherwise receive and transfer contents of vessel holding tanks into a sewage retention and/or disposal system located outside the lakeshore protection zone.

~~(5)(d) Gas and Electrical Lines~~

~~(a) Policy~~

~~Overhead electrical lines are unsightly, potentially dangerous in or near a water environment and generally in conflict with the natural setting of the lakeshore protection zone.~~

~~(b) Standards~~

- ~~(i) No permanent overhead electrical lines are allowed in the lakeshore protection zone.~~
- ~~(ii) All gas lines shall be buried.~~

Comment [4]: Moved above to general policy section

~~(6)~~

~~(a) Policy~~

~~Unrestricted lighting in the lakeshore protection zone can be distracting, hazardous to navigation and contributory to an unnatural setting.~~

~~(b) Standards~~

~~All lighting shall be designed to reflect light away from abutting or adjacent properties and the lakeshore protection zone.~~

Comment [5]: Moved above to general policy section

Comment [6]: Will address lighting in separate section

~~(7)(e) Wells~~

~~(a) Standards~~

- ~~(i) No well shall be drilled or developed in the lakeshore protection zone.~~
- ~~(ii) For wells located outside of the lakeshore protection zone, when originally developing and pumping the well, the silt-laden water shall not be allowed to flow directly into the lakeshore protection zone or lake.~~