

## AUXILIARY PUMP GUIDELINES

An Auxiliary Pump system is typically needed when the elevation of the new connection is lower than the existing septic tank. These systems can be installed for restroom additions to new or existing shops, barns, garages, etc. Pump systems shall meet the requirements of the current Nevada County Department of Environmental Health (NCDEH) Local Area Management Plan (LAMP). These systems are NOT acceptable for kitchen waste disposal or ADU additions. If you are adding a bedroom to an existing system, please see your sewage disposal consultant for further directions.

### NCDEH Minimum Pump System Requirements

1. Any pump system shall be designed by a qualified professional that will certify the design, make inspections and certify the installation of the system. See T-054.
2. The Pump System shall meet all requirements of A-016, T-060 and T-100 of the LAMP.
3. Site plan showing the details of the installation at a scale no larger than 1"= 50'. See A-016.
4. Provide manufacture specification sheets for the Pump, Pump Vault, Alarm and Alarm Float details. See A-016.
5. The pump tank<sup>1</sup> shall be NSF/IAPMO approved or equivalent and:
  - a. A minimum of 50 gallons for the addition of a toilet and a sink
  - b. A minimum of 100 gallons for the addition of a toilet, sink and shower
6. The pressure line shall be connected to allow gravity flow to the septic tank.
7. Provide the total Head Loss and the discharge rate per day that the pump is sized for. The pump shall be sized to gently introduce effluent to NOT pressurize the gravity flow system. Provide a pump curve. See A-016.
8. The float system shall consist of a minimum High-Water Alarm and On/Off Float. See T-100.
9. The alarm system shall include an audible and visible warning light. See T-100.
10. Apply for a Septic System Modification Permit at the web site below.  
<https://permits.mynevadacounty.com/CitizenAccess/Default.aspx>
11. Pay the permit fee.