

March 16 2017

Dear Development Community:

RE: Water Projects and Plan Submittal

The Washoe County Health District, Division of Environmental Health Services is providing the information below to assist in the plan review submittal and plan review process. This guidance was developed after many discussions with members of the community, the Nevada Division of Environmental Protection (NDEP) Bureau of Safe Drinking Water and the Washoe County Health District (WCHD).

A Water Project pursuant to NAC 445A is required anytime the following is proposed for any permitted public water system;

- Initial construction;
- Any renovation;
- Modification or expansion with collection, pumping, treatment, storage, or distribution;
- Boosting;
- Sustaining or reducing pressure; and,
- Relining or recoating of water storage tanks.

It is recommended that Water Projects are submitted concurrently or prior to the submittal of construction plans to the permitting agency. To ensure plan review is complete the following require a complete Water Project submittal and fees submitted directly to WCHD for review and approval, prior to any building permit approval, and may affect proposed mass grading:

1. The Submittal of a Preliminary Engineering Report;
2. Any renovating, modifying or expanding infrastructure, , including, and not limited to:
 - a. Installation of any amount of water main, proposed subdivision, proposed commercial / industrial entity, when additional water storage is required on site (Fire or other), and any proposed construction that may affect system demands, pressures, or operations;
3. Anytime a proposed development requires upgrading a water system to comply with NAC 445A (et al);
4. May include residential projects depending upon requirements to service the connection and the effect on system demands, pressures, or operations; and,
5. WCHD may require a Water Project during the review of any plan submittal for permit.

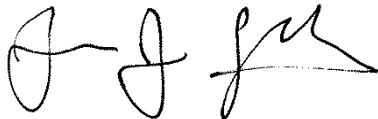
The following fall under the guise of a Water Project, however the Health District will process these through the building permit / plan review process and not require a separate submittal.

1. Any construction proposed where an additional service connection or modification of an existing connection but not limited to the following:
2. Proposed changes in use for commercial / industrial buildings, addition of fire sprinklers, changes in backflow requirements, new commercial buildings, tenant improvements, etc:
 - a. Must comply by providing WCHD with information regarding demands and pressures for proposed construction;
 - b. A full Water Project submittal may be required if additional information is required, or water infrastructure is required to meet the project demands;
 - c. May include residential projects depending upon requirements to service the connection and the effect on system demands, pressures, operations, or fire sprinklers; and,
 - d. WCHD may require a Water Project during the review of any plan submittal for permit.

The WCHD would like to reiterate the above requirements have always been included in the regulation but may not have been fully understood or enforced; this is an attempt to notify all community and agency partners of the requirements for Water Project and building plan submittal/review processes with the WCHD as our community continues to see increased plan submittals during our economic recovery. The WCHD has attached a memo of the most prevalent reasons why water projects do not pass review on the first or subsequent submittal. Additionally, I have included a letter from the NDEP outlining the submittal process of Water Projects, Waivers and the responsibilities of the supplier of water.

If you have any questions regarding this letter please feel free to contact either myself, Chris Peterson, or Wes Rubio to discuss any of the above requirements.

Sincerely,



James English, REHS, CP-FS
EHS Supervisor
Division of Environmental Health Services
Washoe County Health District

ec: Bob Sack, Director
Jennifer Carr, Deputy Administrator, NDEP

Enclosures

Leading reasons why Water Project Submittals are not approved upon review:

The WCHD uses the most stringent applicable sections of Nevada Administrative Code (NAC) Chapter 445A or the approved water system design standards when reviewing Water Project Submittals. NAC 445A references the following standards with regards to Water Project Design: 10 States Standards, Orange Book, American Water Works Association (AWWA), National Standards Foundation/American National Standards Institute (NSF/ANSI), and Uniform Plumbing Code (UPC).

1. Provide minimum horizontal separation from manholes, catch basins, drop inlets, etc. – the more stringent of NAC 445A or water system standards;
2. Provide water pipe and sewer pipe material based upon construction standards and details – the more stringent of NAC 445A or water system standards;
3. Provide minimum horizontal and vertical separation clearances between water and sewer – the more stringent of NAC 445A.6715 – NAC 445A.6718 or water system standards;
4. Provide correct backflow protection and backflow protection details – the more stringent of NAC 445A.67185 – NAC 445A.67255 or water system standards;
5. Anything not corrected during the first, or subsequent submittal, the WCHD will charge a revised plan review fee.

The WCHD provides a complete review at the first submittal. It is this agency's policy to not find additional items at the time of the resubmittal. Therefore, it is imperative all items are addressed on plan when resubmittals are required.