

GLENN COUNTY

Planning & Community Development Services Agency Environmental Health Department

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Mardy Thomas, Director

WELL APPLICATION REQUIREMENTS & PROCEDURES

1. **Submit completed well application, plot map, Groundwater Sustainability Agency (GSA) Acknowledgement form and fees**

Environmental Health will not consider the well application for approval until all sections of the application have been completed and signed;

The plot map is submitted, contains all required information and is accurate and legible;

The GSA Acknowledgement form is completed and submitted for approval (if applicable);

All applicable fees have been submitted.

Note - Environmental Health may waive certain sections of the application depending on the well type.

2. **Physically mark/stake location of the proposed well**

Once the location of the proposed well is marked, Environmental Health will confirm the location of the well and check the required setbacks, features and use of the well before approval.

3. **Consultant review required for Non-Exempt Wells**

All Non-Exempt Wells shall be reviewed by the consultant, retained by the County, for the purpose of conducting hydrogeologic studies to determine the likelihood that extractions from the proposed well will cause or effect: groundwater levels, subsidence impacts, change in storage impacts, groundwater quality impacts and Public Trust Resources of Navigable Waters impacts. The cost of such reviews and design mitigation measures shall be borne by the applicant.

4. Conditions to drill/destroy a well or test hole

All well seals shall conform to Glenn County Code and extend at least fifty (50) feet below ground surface. All well seals shall extend at least five (5) feet into a clay layer. Well Destruction seals shall extend to the bottom of the well or at least fifty (50) below ground surface. Well seals may be extended by Environmental Health to protect groundwater or may be reduced when salinity or bedrock restrictive layers are encountered during well construction.

If the well is larger than eight (8) inches a test hole shall be drilled and the E-Log submitted to Environmental Health for review. In addition, the proposed well construction design shall meet the conditions listed below.

- It is important to note that the purpose of these conditions is to manage interactions between new and existing neighboring wells.
- It is also important to note that the Environmental Health Department does not design the depth of the well or annular space and intermediate seals. The applicant and contractor are responsible for submitting proposed well depth, annular space and intermediate seal depths which meet the following conditions:
 - As far as feasible, controlling hydrological conditions that existed before the well was drilled and constructed, including the elimination of physical hazards.
 - Prevent pollution of groundwater.
 - Preserve the integrity of the aquifers.
 - Prevent intermingling of potable and irrigable waters with saline and other unsuitable waters.

Upon receiving the proposed design and prior to approving drilling of the well, Environmental Health will review and determine if all applicable codes and well standards have been met.

5. Approval to drill or destroy an Exempt or Non-Exempt Well

If all the above requirements are satisfied, Environmental Health will approve the drilling of a well.

6. Total dissolved solids (TDS) or electrical conductivity (EC) testing

All agriculture, industrial, community water supply, domestic and livestock water wells shall be tested for TDS or EC and the results shall be submitted to Environmental Health before the casing is installed.

7. Conductor and annular seals

The well driller shall contact Environmental Health at least one (1) business day prior to requesting the desired seal inspection. Inspection days and times will be dependent upon Environmental Health's schedule. Unless otherwise approved by Environmental Health all well seals shall be poured in the presence of a Registered Environmental Health Specialist.

Note: If the well does not meet the conditions approved by Environmental Health for construction or sealing the well, the well shall be repaired to meet those conditions. If the conditions cannot be met, Environmental Health may require the well to be destroyed under permit and a new well drilled to meet the required conditions.

8. Well Completion Report

Upon completion of the annular space well seals, the well drilling contractor shall submit a well completion report to the Environmental Health Department within sixty (60) days.

9. Final Approval

If all the above requirements and conditions have been met the well will receive final approval and the process will be considered complete.

The information appearing on this form is for general informational purposes only. As such, it shall not be used as a substitute for any county or state regulation, code or standard. If an informational conflict exists, contact the Environmental Health Department 530-934-6102 for clarification, prior to proceeding.