

Application For Monitoring Well Construction Permit

(This Permit Expires 1 Year From Date Issued)

Application is hereby made to the Stanislaus County Department of Environmental Resources for a permit to conduct the work herein described. Please notify the Hazardous Materials Division at least 48 hours in advance of starting the work.

FACILITY/SITE NAME _____
 JOB ADDRESS/LOCATION _____
 CITY/STATE/ZIP _____
 OWNER'S NAME _____ ADDRESS _____
 CITY/STATE/ZIP _____ PHONE _____
 DRILLING CONTRACTOR _____ C-57 LICENSE NO _____
 WORKMAN'S COMP _____ CONTRACTOR PHONE _____

If construction of the well(s) will follow methodology described in a work plan on file with the Department of Environmental Resources, please list the title of the work plan, consultant, and date _____

TYPE OF WORK (Check):

- Install New Well
Number of New Wells _____
- Install Temporary Well (ex. Hydropunch)
Number of Temporary Wells _____
- Well Destruction
Number of Wells To Destroy _____
- Other Information _____

INTENDED USE OF NEW WELL (Check):

- Groundwater Monitoring/Sampling
- Groundwater Extraction
- Fluid Injection
- Other _____

METHOD OF DRILLING (Check):

- Hollow Stem Auger
- Other _____

CONSTRUCTION SPECIFICATIONS:

Boring Diameter _____
 Casing Type, Diameter, and Gauge _____
 Expected Depth To Groundwater _____
 Expected Depth of Well _____
 Depth of Screened Interval _____
 Depth of Filter Pack _____
 Type/Size of Filter Pack Material
 and Slot Size _____
 Depth and Type of Transitional Seal _____
 Depth and Type of Grout Seal _____

DISTANCE TO NEAREST:

Domestic Supply Well _____
 Sewer Lines or Septic Tank/Leach Field _____
 Rock Well or French Drain _____
 Other Subsurface Structure _____

DESTRUCTION OF WELL:

Well Diameter _____
 Well Depth _____
 (Please attach description of material/volume and procedures to be used)

NOTE: A detailed and scaled site plan with proposed drilling locations, and proposed well construction diagrams, MUST be attached to this application.

I HEREBY CERTIFY THAT I HAVE PREPARED THIS APPLICATION AND THAT THE WORK WILL BE DONE IN ACCORDANCE WITH THE PROVISIONS OF THE LAWS OF THE STATE OF CALIFORNIA, THE ORDINANCES OF THE COUNTY OF STANISLAUS, AND THE RULES AND REGULATIONS OF THE STANISLAUS COUNTY DEPARTMENT OF ENVIRONMENTAL RESOURCES

SIGNED: _____ Date: _____
 (Owner or Authorized Representative)

For Department Use Only	
<input type="checkbox"/> Permit Issued By: _____ PERMIT NUMBER: _____ DATE ISSUED: _____	<input type="checkbox"/> Permit Denied By: _____ Date: _____
Inspected By: _____ Date: _____	Fee Paid: Yes ___ No ___ Amount _____

MONITORING WELL and GEOTECHNICAL BORING CONSTRUCTION AND DESTRUCTION IN STANISLAUS COUNTY

Stanislaus County Department of Environmental Resources (DER) oversees the constructing and destructing soil borings for installing vadose zone, groundwater (monitoring and/or extraction) and cathodic protection wells in all areas of Stanislaus County. The above types of wells include both permanent and temporary wells and those that are made with cone penetration technology or so called "Hydropunch type" sampling devices.

Completion and submittal of a Stanislaus County Monitoring Well Permit is required prior to beginning work on any of the following:

1. Exploratory boring in areas where hazardous substances or wastes have or are stored or where soil and/or groundwater is suspected/known to be contaminated with hazardous substances or wastes, or
2. Any boring in which a casing will be installed, or
3. Any boring that has a monitoring device installed, or
4. Any soil boring greater than 20 feet in depth, or
5. Any soil boring 20 feet in depth or less where it is anticipated that groundwater table will be encountered.

The Cities of Modesto and Ceres each have separate permitting requirements, **in addition** to those of DER, for activities performed within the incorporated areas where they have jurisdiction. Please consult with the corresponding city's agencies also if you intend to place wells in these two cities.

It is not necessary to obtain a separate monitoring well permit for the installation of multiple groundwater monitoring wells provided the wells:

1. Are all located at one site, and
2. Will be installed during the same specified time frame, and
3. Are of the same construction type.

All wells shall be constructed according to Department of Water Resources Bulletins 74-81 and 74-90. Each well must be identified by a unique descriptive well name/number. Each well must have this descriptive name/number permanently marked on the well.

A representative line drawing of the wells construction details as well as a separate site map depicting the proposed location (referenced with each wells descriptive name/number) must be accompany each monitoring well permit. If construction specifications of the monitoring wells differ, a specific monitoring well construction diagram must be provided for each differing well. It is acceptable to reference a previously completed workplan if well construction details/location are addressed in the workplan and a copy of this workplan accompanies the well permit.

Containerized soil cuttings and purge water left onsite must have information the following information marked on the drum in indelible ink

1. Site Name & Address
2. Contact Name and Phone
3. Contents of Drum
4. Accumulation start date

Any contractor performing work of this type must have on file with the DER:

1. A valid C-57 license, and
2. A current Certificate of Insurance.

A County monitoring well permit fee must accompany the permit if:

1. The drilling location is located within the county areas, and
2. Groundwater samples are obtained.

Once permitted, the DER must be notified at least 48 hours in advance of the construction/destruction activities. DER reserves its right to inspect field activities but a representative of DER need not be present prior to commencing the work provided the activity has been properly permitted and the DER has been sufficiently notified. The permit fee is derived from analysis of staff time for review and processing of the permit application and any site inspections, which may be conducted by staff during or subsequent to the installation of the monitoring wells.

The DER fee is waived for:

1. Installations within the incorporated cities (Modesto Ceres Oakdale, Riverbank, Hughson, Turlock, Newman, Patterson, Waterford), or
2. Where "dry" soil borings are made without capturing a groundwater sample

For monitoring wells installed in the unincorporated areas of the County, the DER permit fee is:

\$75.00 for the first boring/well included in the permit, and
\$35.00 for each additional boring/well.

(Example: the permit fee for 3 monitoring wells would be \$75.00+\$35.00+\$35.00 = \$145.00).

Although a permit is required for the destruction of boring/wells, no fee is charged.

Proper abandonment of monitoring wells and borings is achieved by removing the well casing (if present), installing a bentonite basal plug at the terminus and backfilling the boring with a grout. A cement surface plug shall be placed at the surface of each well/boring.

Prior to commencing boring/well destruction and for completion of boring/well permit, the contractor must:

1. Complete of the destruction section a monitoring well permit form. (For wells constructed and destructed within the same mobilization both the construction and destruction sections must be completed.)
2. Estimate the volume of grout expected to be necessary to destruct each monitoring well prior to destruction, and
3. Describe the steps and methods used to destruct the well including the management of the casing and the installation method used to fill the well with grout.

After field destruction activities are complete, the contractor must report to the DER:

1. Any planned vs. field work anomalies, and
2. The actual amount of grout used so as to evaluate the effectiveness of the well destruction.

For additional information on boring/well construction, please refer to the Stanislaus County Guidelines For Sampling and Site Investigations (copies available upon request), or contact the Environmental Resources Department at (209) 525-6700. (rev. 09-16-03)