



DEPARTMENT OF ENVIRONMENTAL RESOURCES
3800 Cornucopia Way, Suite C, Modesto, CA 95358-9492
Phone: 209.525.6700, Fax: 209.525.6774

Monitoring Wells and Geotechnical Borings Within Stanislaus County

Stanislaus County Department of Environmental Resources (DER) oversees the constructing and destructing of soil borings for including those 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.

Please submit a completed Checklist (pages 3-6) for all Monitoring Well or Soil Boring Permit Applications (pages 7-8) submitted in Stanislaus County limits, with the exception of the City of Modesto (see Important Note #1 below). The checklist is not exhaustive nor inclusive of all requirements for the permit application, but rather its intent is to help applicants catch common mistakes before submitting permits to this department and ensure all provided information is correct and required documents are included. NOTE: *Incomplete or inaccurate information will extend the application review process.* Permit Application will not be accepted without a completed Checklist (pages 3-6).

Important Notes:

1. **All proposed work within City of Modesto limits has its own *separate permitting requirement*, in addition to those of DER, for activities performed within the incorporated area where they have jurisdiction.** Please consult with the City of Modesto if you intend to place any wells and/or borings within their jurisdiction. If you're unsure if the proposed project is within City of Modesto limits, check the City of Modesto GIS at <https://gis.modestogov.com/gis/>.
 - If the project is within City of Modesto limits, then contact the City of Modesto-Groundwater Application (Monitoring Wells) team at 209-342-4712, <https://www.modestogov.com/1509/Groundwater-Application-Monitoring-Wells> regarding the City of Modesto application.
 - Our Department does not require the submittal of any additional County application(s) or fees for these City of Modesto circumstances.
2. **Completion and submittal of a Stanislaus County Monitoring Well Permit is required prior to beginning work on any of the following:**
 - a. 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
 - b. Any boring in which a casing will be installed, or
 - c. Any boring that has a monitoring device installed, or
 - d. Any soil boring greater than 20 feet. in depth, or
 - e. Any soil boring 20 feet in depth or less where it is anticipated that groundwater table will be encountered.
3. It is not necessary to obtain a separate monitoring well permit for the installation of multiple groundwater monitoring wells provided the wells:
 - a. Are all located at one site (one parcel number or address), and
 - b. Will be installed during the same specified time frame, and
 - c. Are of the same construction type.
4. **All wells shall be constructed according to the State of California Department of Water Resources (CA DWR) 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.

5. 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 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 work plan if well construction details/location we addressed in the work plan and a copy of this work plan accompanies the well permit.
6. Any contractor performing work of this type must have on file with the DER:
 - a. A valid C-57 license, and
 - b. A current Certificate of Insurance.
7. 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.
8. **Monitoring wells and soil borings shall be abandoned in accordance with CA DWR Bulletins 74-81 and 74-90.**
9. Prior to commencing boring/well destruction and for completion of boring/well permit, the contractor must:
 - a. Complete of the destruction section a monitoring well permit form. (For wells constructed and destroyed within the same mobilization both the construction and destruction sections must be completed.)
 - b. Estimate the volume of grout expected to be necessary to destruct each monitoring well prior to destruction, and
 - c. 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.
10. After field destruction activities are complete, the contractor must report to the DER:
 - a. Any planned vs. field work anomalies, and
 - b. The actual amount of grout used so as to evaluate the effectiveness of the well destruction.

For additional information on boring/monitoring well construction and/or destruction, please contact the Environmental Resources Department at (209) 525-6700 or via email (HMpermit@envres.org).

Permit Application Checklist

Check Yes or No boxes below. Permit Application will not be accepted without a completed Checklist (pages 3-6).

Yes **No**

Section A - Assessor's Parcel Number:

1. a. Does the APN match the Counties APN?
 - Check Assessor Map Book Viewer (arcgis.com) at <https://experience.arcgis.com/experience/29a526aa3639499f96b63f17c2b14cc5>.
- b. Does the property owner access agreement match the listed property owner?
- c. If your project involves **multiple parcel numbers and/or addresses**, **a separate application is required for each.**
- d. **If the property owner is the same, but the project involves multiple parcel numbers, a separate application is required for each parcel.**
- e. If there are multiple property owners for a single project, then an application must be submitted for each property owner.
- f. If a project involves multiple drillers, then page 1 of the application must be submitted for each additional driller and a certificate of liability must be submitted for each one.
2. Are there any Mitigation cases with in ½ mile of the site? Check drilling location address in both public access databases listed below.
 - a. <https://geotracker.waterboards.ca.gov>
 - b. <https://www.envirostor.dtsc.ca.gov/public>If so, delays may occur in the permitting process while reaching out to State Case Worker for consent for drilling project to proceed.

Section B - Property Owner:

1. This must be the property owner, which is listed through the Assessor's office website <https://www.stancounty.com/assessor/>. Do not use the resident or business owner information, unless they are the property owner.

Sections C - E: **Please check the box to reflect the entity completing this application.**

Section C - Responsible Party:

1. Complete?

This will be the entity responsible for the proposed work and ensuring all standards and regulations are followed.

Section D - Consulting Firm:

1. Complete?
 - a. Is the Registered professional number listed on the permit application?
 - b. Active?
 - c. Match the name provided?
 - d. Have you indicated the type of registration?
 - e. Validate here: Search - DCA at <https://search.dca.ca.gov/?BD=31>If they are also the responsible party, the information for the Registered Professional is only needed within this section.

Section E - Drilling Company:

1. Complete?
 - a. Is the C57 listed?
 - b. Does C57 match the listed company?
 - c. Is Drillers Certificate Of Insurance included?
 - i. At a minimum, they should have active general liability and workers' compensation.

- ii. The only time workers' compensation is not required, is if the owner of the business is the only one performing the work. If the employees utilized have been subcontracted, then their employer must provide proof of workers' compensation.
- d. Did you check insurance included box on permit application?
- e. Validate here: Check A License - CSLB (ca.gov) at
<https://cslb.ca.gov/OnlineServices/CheckLicenseII/CheckLicense.aspx>
When applicable, proof of workers compensation must be indicated on the Certificate of Liability form. If the company has one or more employees conducting the work, workers compensation is required. The responsible party must ensure the drilling company has workers compensation or exempt from this requirement.

Section F - Attachments:

1. Have you included the following attachments with the permit application?
 - a. Detailed Site map with all borings keyed out with unique number/name identifiers.
 - b. Proposed well construction diagram(s) (when installing monitoring wells)
 - c. USA dig ticket (Proof of underground utilities assessment, i.e. receipt)
 - d. Access agreement from private property owner on record. It may be in the form of an email.
 - e. Well construction diagrams (if appropriate)
 - f. List of all borings proposed on each APN.
 - g. Encroachment permit if right of way access is required. Apply here: Applications & Forms - Public Works - Stanislaus County (stancounty.com) at
<https://www.stancounty.com/publicworks/forms.shtm>

Section G - Construction Information:

1. Complete all applicable areas pertaining to your proposed work.
 - a. Do the number of items being constructed match what is reflected on the map?
 - b. Backfill material listed?
 - c. Water source listed?
 - d. Drilling method listed?
 - e. Ground water depth listed?
 - f. Depth of Boring listed?
 - g. Seal material and depth listed?
 - h. Is the permit application signed by owner or agent?

There will be no additional fee for backfilling the exploratory borings covered under the permit, therefore, do not include these in the fee section under well destruction.

Section H - Fees: Complete all applicable sections pertaining to the proposed work.

1. Fees section filled out appropriately for the number of wells/borings?
 - a. Monitoring wells, exploratory borings, and destructions have their own separate categories. For monitoring wells installed in the unincorporated areas of the County, the DER permit fee is: \$265.00 for the first boring/well included in the permit, and \$53.00 for each additional boring/well. Contact us at 209-525-6700 for the current fees. Utilize the drop-down function to apply the appropriate fee for the amount and check to ensure it is correct before submitting.

Examples:

- The first construction, drilling and destruction is \$265, then \$53 for each one after.
- You are proposing three (3) monitoring wells would be \$265.00+\$53.00+\$53.00 = \$371.00.
- You are proposing seven (7) monitoring wells, would be \$583.

- You are proposing 7 borings and 1 monitoring well, therefore, the cost for the seven (7) borings would be \$583 and the cost for the one (1) monitoring well would be \$265. The total cost of the permit would be \$848.

Section I - Questionnaire:

- a. Have you answered all 6 questions?
- b. Open mitigation cases listed?

Complete all applicable areas. If additional room is needed, please attach supplemental documents as needed. When a question is not applicable, please write "N/A" in the provided sections. Please do not leave them blank.

Section J - Well Completion Report:

- a. Reports are required for all monitoring wells constructed, destroyed or altered. The responsible party or driller must submit reports within the Online System for Well Completion Reports (OSWCR). Please utilize the following link https://civinet.resources.ca.gov/DWR_WELLS/ to access the system.
- For more information on this requirement, please refer to the following website <https://water.ca.gov/Programs/Groundwater-Management/Wells>.

Forward the completed Monitoring Well and Exploratory or Geotechnical Boring permit Checklist and Application to the Stanislaus County Dept. of Environmental Resources email address HMPpermit@envres.org to begin the review process.

- **Expect that permit review will take an average of 14 days.** This is to allow time for the HMPermit team to receive consent from State Case Workers for drilling projects within the vicinity of soil and/or groundwater contamination cases to proceed.

After the HMPermit team completes the application review and emails a permit number to you, and we are provided with proof of payment, a copy of the signed permit will be sent to you.

- **Payment Options:**
 - Payment over the phone may be made with Visa, MasterCard or Discovery (credit card or debit card). American Express is not accepted. Please call (209) 525-6700.
 - **Postal Address:**
Stanislaus County Department of Environmental Resources, Attn: Monitoring Well Permits,
3800 Cornucopia Way, Suite C, Modesto, CA 95358.
 - Checks must be made payable to: Stanislaus County or Stanislaus County Department of Environmental Resources. Do not abbreviate and use SCDER on checks.

To close this Monitoring Well and Exploratory or Geotechnical Boring permit, you are responsible for:

1. **Removing soil cuttings and purge water from the drilling location within 30 days.**
 - a. Containerized soil cuttings and purge water left onsite must have information the following information marked on the drum in indelible ink:
 - b. Site Name & Address
 - c. Contact Name and Phone
 - d. Contents of Drum
 - e. Accumulation start date
2. **Submitting a photo log as a single PDF file showing the following:**
 - a. Consistency of each batch of grout being used once it has been prepared with photos labeled by well or boring # and batch # and
 - b. Photos showing the final holes after grouting labeled by well or boring hole #.
 - c. Additional photos if the bore holes are covered by asphalt.
 - d. To represent grout consistency, also include a photo for each grout batch and well or bore hole of the grout adhering on a pen or possibly from a driller's gloved fingertip
 - e. Forward the photo log to the Stanislaus County Dept. of Environmental Resources email address HMPpermit@envres.org with the subject line "MW... (permit number) Photo Log".
3. **The permit is not valid if there are any changes to the scope of work as previously approved by this department. If changes are required, please contact the office at (209)-525-6700 as soon as possible to amend the permit on record.**

DEPARTMENT USE ONLY

PERMIT #: _____

CASE #: _____

FEE PAID: _____

ISSUED BY: _____

SIGNED: _____

DATE ISSUED: _____

DATE CLOSED: _____

INSPECTED BY: _____

**Department of Environmental Resources**

3800 Cornucopia Way, Suite C, Modesto, CA 95358

Phone: (209) 525-6700 Fax: (209) 525-6774

PERMIT APPLICATION**GROUNDWATER MONITORING WELLS AND
EXPLORATORY OR GEOTECHNICAL BORINGS****A. ASSESSOR'S PARCEL NUMBER** _____

Site Name _____

Site Address _____ City _____ Zip _____

B. PROPERTY OWNER _____

Phone _____ Ext. _____ Fax _____

Mailing Address _____ City _____ State _____ Zip _____

C. RESPONSIBLE PARTY _____ Email _____

(The person, persons, or company responsible for the construction, monitoring, and destruction of proposed wells and or borings.)

Mailing Address _____ City _____ State _____ Zip _____

Contact Person _____ Phone _____ Fax _____

D. CONSULTING FIRM _____

Mailing Address _____ City _____ State _____ Zip _____

Registered Professional _____ Registration # _____ (RG, RCE, CEG, PG)

E-mail _____

Contact Person _____ Phone _____ Fax _____

E. DRILLING COMPANY _____ C57# _____

Contact Person _____ E-mail _____

Mailing Address _____ City _____ State _____ Zip _____

Phone _____ Fax _____ **Current Certificate of Liability Insurance included****F. A detailed/scaled site map with proposed drilling locations, well construction diagram(s), proof of underground utilities assessment, and encroachment permit or access agreement must be included.****G. CONSTRUCTION INFORMATION**

TYPE OF WELLS /BORINGS		MATERIALS TO BE USED		PROPOSED CONSTRUCTION	
	#	CASING	SEAL/BORING BACKFILL		
<input type="checkbox"/> Monitoring	_____	Type _____	<input type="checkbox"/> Neat Cement	Estimated groundwater depth: _____ft	
<input type="checkbox"/> Boring	_____	Gauge _____	<input type="checkbox"/> Cement & Bentonite	Estimated depth of boring: _____ft	
<input type="checkbox"/> Soil Vapor	_____	Diameter _____	<input type="checkbox"/> Sand-Cement	Concrete seal 0 _____ to _____	
Other _____	_____	Screen Size _____	<input type="checkbox"/> Bentonite	Annular seal _____ to _____	
		Filter Pack _____	Other _____	Bentonite _____ to _____	
			Water Source _____	transition seal _____ to _____	
WELLS TO BE DESTROYED		Drilling Method		Filter Pack _____ to _____	
<input type="checkbox"/>	# _____	Auger	<input type="checkbox"/> Air Rotary	Perforation _____ to _____	
		Mud Rotary	Other _____	Borehole diameter _____	
		Percussion			

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 Stanislaus County, and the rules and regulations of the Stanislaus County Department of Environmental Resources.

SIGNED _____ PRINT _____ DATE _____
(Owner or Authorized Representative*)

H. FEES		
Initial Monitoring Well.....		
ACTIVITY	FEE SCHEDULE	AMOUNT
Monitoring Well Construction		\$ 265.00
	Additional Wells (up to 6).....	x \$ 53.00
	Additional Wells (7+).....	WLR*
Soil/Geotechnical Boring	Initial Monitoring Borings.....	\$ 265.00
	Additional Borings (up to 6).....	x \$ 53.00
	Additional Borings (7+).....	WLR*
Monitoring Well Destruction	Initial Destruction.....	\$ 265.00
	Additional Destructions (up to 6).....	x \$ 53.00
TOTAL COST OF PERMIT		\$

I. QUESTIONNAIRE: Please answer all applicable questions completely.

For well destruction, complete only # 1 below and submit any required supportive documentation.

- What is the purpose of the well/boring investigation?
 - An ongoing site assessment case in which a government regulator is the lead agency. If yes, indicate which government regulator is the lead agency, site address, case number, and attach the associated approval letter to the permit application;
 GeoTracker Case ID / Global ID: _____ EnviroStor ID: _____
 Site Address: _____
 - Part of an Environmental Site Assessment for property ownership transfer; or
 - Geotechnical investigation for proposed construction, land stabilization; or
 - Other: _____
- What field procedures will be utilized to determine if contamination exists?

- What procedures will be used to determine whether samples will be sent for laboratory testing or archiving?

- What constituents will be monitored and tested (Include laboratory analytical method)?

- How will samples be transported and preserved?

- What is your removal plan for containerized soil cuttings and purge water?

J. Well Completion Report:

California Water Code Section 13751 requires that anyone who constructs, alters, or destroys a water well, cathodic protection well, groundwater monitoring well, or geothermal heat exchange well must file with the Department of Water Resources a report completion within 60 days of the completion of the work. Drillers submit their well completion reports with the Online System of Well Completion Reports (OSWCR, say "Oscar"). OSWCR users create an account based on their C-57 license that DWR will validate. Upon approval users will be able to submit Well Completion Reports.

Postal Mail SCDER Attn: Monitoring Well Permits 3800 Cornucopia Way, Suite C Modesto, CA 95358	E-Mail HMpermit@envres.org Fax (209) 525-6774	**Once permitted, SCDER must be notified a minimum of 48 hours in advance of the construction/destruction activities. SCDER reserves the right to inspect field activities.**
-------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------