



WELL DESTRUCTION APPLICATION & PERMIT

ENVIRONMENTAL MANAGEMENT DEPARTMENT (EMD) – ENVIRONMENTAL COMPLIANCE DIVISION
 11080 WHITE ROCK ROAD • SUITE 200 • RANCHO CORDOVA, CA 95670
 TELEPHONE (916) 875-8400 FAX: (916) 875-8513 EMAIL: wells@saccounty.net

WELL INSPECTION LINE: (916) 875-8524

FOR OFFICE USE ONLY	
EMD PERMIT NUMBER(S): _____	DATE APPLICATION APPROVED: _____ <small>(EXPIRES 1-YR FROM DATE OF APPROVAL)</small>

WELL APPLICATION		
Site Address:	Nearest Major Cross Street(s):	Well Location (Attach Table for Multiple Addresses):
Property Owner Name:	Property Owner Address:	Property Owner Phone Number:
Property Owner E-mail:	Parcel Number (Attach Table for Multiple Parcels):	
Well Drilling Contractor:	Mailing Address:	Phone Number:
		E-mail:
Contractor's CSLB License No.:	Expiration Date:	Well/Boring Identification Number(s):

WELL SPECIFICATIONS - A copy of the original "Well Completion Report" (DWR Form 188) or equivalent shall be submitted for each well under consideration for a destruction permit.

Well Type:	<input type="checkbox"/> Domestic/ Municipal (4930)	<input type="checkbox"/> Irrigation/ Agricultural (4930)	<input type="checkbox"/> Permanent Dewatering (494D)	<input type="checkbox"/> Cathodic Protection (494D)	<input type="checkbox"/> Water/Soil/Vapor Monitoring (494D)	<input type="checkbox"/> Geothermal Heat Exchange (494D)
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Reason(s) for Destruction: Dry Contaminated No Longer Needed/Used Other: _____

Measurements:					
Depths	Total Borehole: _____ ft	Annular: _____ ft	Production Casing: _____ ft	Conductor Casing: _____ ft	To Water: _____ ft
Other	Borehole Diameter: _____ in	Casing Diameter: _____ in	Open Bottom Interval: From: _____ ft to: _____ ft	Filter Pack Interval: From: _____ ft to: _____ ft	Pump Type: _____

PROPOSED DESTRUCTION SPECIFICATIONS – For multiple wells, fill out and attach the Addendum to this application.

<input type="checkbox"/> Overdrill From: _____ ft BGS to existing grade (BGS = Below Ground Surface)	<input type="checkbox"/> Pressure Grout: From _____ ft BGS to _____ ft BGS
<input type="checkbox"/> Blast Perforation	Detonation Cord set from _____ ft BGS to _____ ft BGS
<input type="checkbox"/> Explosive Boosters set from _____ ft BGS to _____ ft BGS	<input type="checkbox"/> Booster placement every: _____ ft
<input type="checkbox"/> Mechanical Perforation: _____ cuts/ft From _____ ft BGS to _____ ft BGS	

Additional information (i.e.- Method used to ID casing depth, Obstructions, etc.):

Sealing Material:	<input type="checkbox"/> Neat Cement	<input type="checkbox"/> Sand Cement (10.3 min.)	<input type="checkbox"/> Concrete (6 sack mix)	<input type="checkbox"/> Bentonite Chips/Pellets
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Estimated Void Volume:

APPLICANT INFORMATION

I understand and agree that all work associated with this permit is required to be done in accordance with Sacramento County Code Chapter 6.28 (Well Ordinance), California Department of Water Resources Well Standards, and the conditions of this permit. I understand that permitting and inspection time in excess of the original fee amount will be billed to the applicant - As authorized by SCC 6.99.180. I certify that the information given in this permit is correct to the best of my knowledge and that the signature below, whether original, electronic, or photocopied, is authorized and valid. Each page of this document has been reviewed and is complete and correct. I understand that it is my responsibility to notify the well owner of their responsibility to provide EMD with property access for a final well inspection. **An Authorization Letter is required if an Agent is submitting this application on behalf of the well owner or well driller.**

Applicant Name:	Applicant Signature:	Date:
Applicant's Company Name and Mailing Address:	Applicant's Office and Cell Phone Numbers:	Applicant's Email Address:
Applicant is the: <input type="checkbox"/> Agent (Requires Authorization Form) <input type="checkbox"/> Property Owner <input type="checkbox"/> Well Contractor		

IMPORTANT: GIVE AT LEAST 24-HOUR NOTICE TO THE EMD WELL INSPECTION LINE WHEN SCHEDULING YOUR INSPECTION.

WELL SITE PLAN – TO BE COMPLETED BY APPLICANT

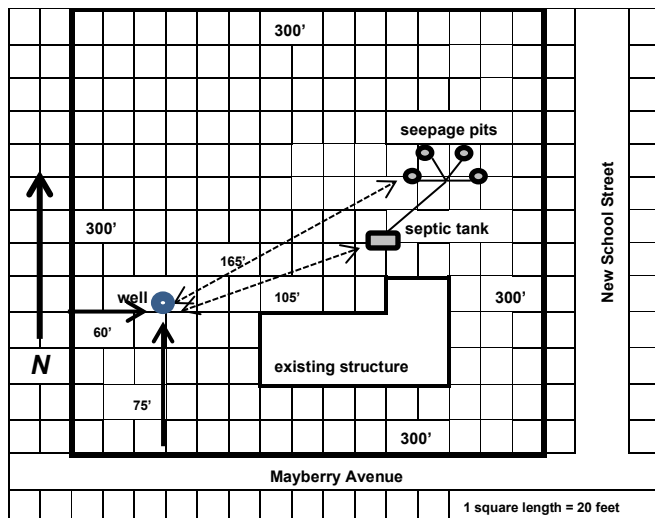
MINIMUM REQUIREMENTS

1. North arrow, parcel dimensions, and scale
(1-inch = _____ feet)
2. **Minimum of two measurements (with right angles)** to the proposed well in feet (must be able to locate well using the site plan).
3. **Location of site features** including major buildings, landscaped areas, tank fields, existing wells, septic systems, easements, cross streets, etc.
4. Setback distances in feet to all existing wells, septic systems (**including all adjacent parcels w/in 150 feet of proposed well site**), and other potential pollution sources.
5. For some remote sites, include appropriate landmarks so that inspector can locate project site (e.g. access and driveway approach, mile post markers, equipment staging location).
6. **NOTE:** Incomplete site plans will delay permit processing.

Well Site Address: _____

Well Permit Number: _____

EXAMPLE



GENERAL WELL DESTRUCTION PERMIT REQUIREMENTS (SEE SACRAMENTO COUNTY CODE (SCC) CHAPTER 6.28 FOR DETAILED LOCAL WELL REQUIREMENTS)	
1	Permittee must perform a preliminary well assessment , determining: condition, details of construction, and presence of obstructions. Must include well's total depth, water level, well casing depth and condition [SCC 6.28.040(B)(4)(a)(1)].
2	All obstructions, debris, pollutants, or contaminants must be removed [SCC 6.28.040(B)(4)(a)(2)].
3	<p>SUPPLY WELL DESTRUCTION METHODS</p> <ul style="list-style-type: none"> • Overdrilling of the well to remove all well casing, filter pack, and annular seal. Fill the new borehole completely with sealing material. • Mechanical perforation or blast perforation of the well casing; well is completely filled with sealing material under pressure. Blast perforation is required for wells with conductor casings [SCC 6.28.040(B)(4)(a)(6)]. <p>For mechanical perforation, the minimum number of cuts per foot is (casing diameter - # cuts per foot):</p> <ul style="list-style-type: none"> • <8" - 4 cuts • 8" - 12" - 6 cuts • 12" to 16" - 8 cuts • >16" - 12 cuts [Sacramento County Policy] <p>Upper five feet must be excavated with a hole at least one foot in diameter larger than the well; well casing removed leaving six inches above bottom of excavation; sealing material spills over into excavation forming a cap; and remaining borehole filled with compacted native soil [SCC 6.28.040(B)(4)(a)(4)].</p>
4	<p>MONITORING WELL DESTRUCTION METHODS</p> <p>Pressure grouting of the well and other voids within the well; may require casing perforation. Well is completely filled with sealing material under pressure. Only allowed when the well was constructed and maintained per SCC and DWR standards.</p> <p>Overdrilling of the well to remove all well casing, filter pack, and annular seal. New borehole completely filled with sealing material.</p> <p>For urban areas, upper five feet must be filled with native soil or other suitable material [SCC 6.28.050C(2)(e)(2)].</p>
5	<p>EXPLORATORY BORING DESTRUCTION METHODS</p> <p>Sealing material must completely fill the boring. For urban areas, upper five feet to be filled with native soil or other suitable material [SCC 6.28.050C(2)(e)(2)].</p>
6	An EMD inspection is required for sealing material placement. Contact (916) 875-8524 to request an inspection; a minimum of 24-hours' notice is required [SCC 6.28.90].
7	<p>EMD APPROVED ANNULAR SEALING MATERIALS</p> <p>Neat cement will be mixed at a ratio of 1 ninety-four (94) pound sack of Portland cement to 5 to 6 gallons of clean water. Additional water may be required where special additives, such as bentonite, accelerators, or retardants are used.</p> <p>Sand cement will be mixed at a ratio of not more than one hundred eighty-eight (188) pounds of sand to one ninety-four (94) pound sack of Portland cement (2 parts sand to 1 part cement, by weight) and about 7 gallons of clean water. This is equivalent to a "10.3 sack mix." Less water shall be used if less sand than 2 parts sand per 1 part cement by weight is used. Additional water may be required when special additives, such as bentonite, accelerants, or retardants are used.</p> <p>Concrete will consist of Portland cement and aggregate mixed at a ratio of at least 6 ninety-four (94) pound sacks of Portland cement per cubic yard of aggregate. The size of the aggregate must be less than 1/5th the radial thickness of the annular seal.</p> <p>Bentonite clay may only be used with prior EMD approval. Bentonite shall be commercially prepared, powdered, granular, pelletized or chipped sodium montmorillonite clay. The size of pellets or chips must be less than 1/5th the radial thickness of the annular space. Bentonite slurries are not approved [SCC 6.28.040(A)(2)(d)].</p> <p>EMD staff will reject any sealing materials during inspection that do not meet standard.</p>
8	Permittee must verify volume of sealing material used during well destruction is at least equal to the volume of the empty hole [Sacramento County Policy].
9	This permit may be revoked if the well is not in compliance with regulatory standards. Permittee and well owner agree to construct, operate, and maintain the well according to all applicable requirements listed in the Sacramento County Code and the California State Department of Water Resources (DWR) Well Standards [SCC 6.28.120(C)].
10	This permit is only valid for approved well-related work listed on the application. Well construction methods (e.g. drilling methods, annular sealing material, well depth, etc.) authorized under this permit may not be changed except by written approval of an authorized EMD representative and only if EMD believes that such a change will result in equal or superior compliance with the County and DWR Well Standards (e.g. if the EMD representative finds that site conditions warrant such a change) [SCC 6.28.120(C)].
11	This permit is only valid for the Assessor's Parcel Number listed on the application [SCC 6.28.120(B)(2)].
12	The permittee will notify EMD within 5 days of well work completion [SCC 6.28.090(C)].
13	The applicant shall submit a Well Completion Report (WCR) to EMD within 60 days of work completion [SCC 6.28.110(A)].
14	Permittee shall maintain a copy of the permit at the work site during all stages of permitted activities [6.28.030(E)(5)].

SPECIAL PERMIT CONDITIONS <input type="checkbox"/> Yes <input type="checkbox"/> No	

WELL DESTRUCTION PERMIT FORM – FOR OFFICE USE ONLY

PERMIT NUMBER(S): _____

ACCOUNTING

Date Received: _____ Total Fees: _____

Account Number: _____ Invoice Number: _____

APPLICATION APPROVAL: Date: _____ By: _____ Comments: _____

INITIAL SITE INSPECTION: Date: _____ By: _____ Comments: _____

DESTRUCTION INSPECTION Date: _____ By: _____ Comments: _____

Total depth: _____ Seal depth: _____

Depth to water: _____ Sealing material: _____

Casing depth: _____ Conductor casing: _____

Comments: _____

GPS Coordinates: N: 38. W: -121.

WELL COMPLETION REPORT: Date: _____ Comments: _____

COMMENTS:
