

## PERMIT APPLICATION CATHODIC PROTECTION WELLS/ SHALLOW ANODES

OFFICE USE ONLY		
LMWP PERMIT #:		
SITE PERMIT #:		
DATE RECEIVED:		
FEE PAID:		

A. RESPONSIBLE PARTY*	Phone			
Mailing Address	City	State	Zip	
Contact Person	Phone	Ext E-mail		
	nsible for the construction, maintenance, and destructi			
B. CONSULTANT/CONTRACTOR	ILTANT/CONTRACTORLIC. #			
Mailing Address	City	State	Zip	
	Phone			
	C57#			
	City			
	Phone			
D. SITE INFORMATION				
Site Address City Zip				
PROPERTY OWNER				
Mailing Address	City	State	Zip	
2. ASSESSOR'S PARCEL NUMBER				
Site Name				
Site Address	City	Zip		
PROPERTY OWNER	<b>DWNER</b> Phone			
Mailing Address	City	State	Zip	
E. CONSTRUCTION INFORMATION				
TYPE AND NUMBER OF CATHODIC	MATERIALS TO BE USED	PROPOSED CONST	TRUCTION	
PROTECTION WELLS TO BE	CASING SEAL	Estimated groundwater d	lepthft.	
CONSTRUCTED	Type	Proposed depth of well	ft.	
# of bed	Gauge Gomenia & Deniente	CONCRETE SURFACE	SEAL to	
Deep Well Ground Bed (>50')	Diameter Sand-Cement	ANNULAR SEAL	to	
☐ Shallow Anode (>20'/<50')	☐ Bentonite	NONCONDUCTIVE PAC	CK to	
Other	☐ Other – specify	CONDUCTIVE FILL	to	
NUMBER OF CATHODIC	Borehole diameter	TYPE OF ANODE(S)		
PROTECTION WELLS TO	Drilling Method	/		
BE DESTROYED #	☐ Auger ☐ Air Rotor	Attach a CPW construction diagram		
	☐ Mud Rotary	PROPOSED DRILLING	•	
	☐ Percussion ☐ Other	I KOI GOLD BIKILLING I	DATE	

## F. SUPPLEMENTAL INFORMATION Proposed life expectancy of well \_\_\_\_\_ 2. Purpose of well\_\_\_\_ 3. Indicate any known past, current, or proposed storage or handling of hazardous substance on site (please explain) 4. For destruction; provide a description of method and attach a cross-section of the CPW (well construction diagram; attach separate sheet of paper) \_\_\_\_ 5. What procedure will be used to prevent the Cathodic Protection Well (CPW) from providing an avenue to contamination during construction (if applicable)? 6. Are you proposing a variation from the methods and/or procedures presented in the State and County of San Diego requirements for the construction of CPWs? If yes, specify these variations 7. Are the proposed cathodic protection wells (CPWs) located within 100 feet of known or potential sources of pollution or contamination? 8. Are the CPWs located in an area(s) prone to flooding? \_\_\_ 9. Does the ground surface surrounding a CPW slope away from the well? \_\_\_\_\_\_ 10. Are the CPWs proposed to be located less than 10 feet from any buildings or proposed buildings? 11. How is the annular seal going to be placed? (Note: The annular space must be effectively sealed to prevent it from being a preferential pathway.) 12. The conductive backfill, nonconductive backfill, and annular seal must not be subject to decomposition or consolidation after placement, and must be free of pollutants and contaminants. Provide a list of the materials to be used. Annular Seal, Nonconductive Backfill, Conductive Backfill 13. Is it anticipated that poor quality groundwater zones will be encountered?\_\_\_\_\_ 14. What methods are you going to be using to identify poor quality water zones in the field? 15. When poor quality water zones are identified, proper seals must be placed to prevent cross-contamination between zones. At a minimum, the seal must extend through the poor quality stratum at least 10 feet into the confining layer. Explain howyou propose to seal off poor water quality zones. 16. A minimum of 2 inches of sealing material must be maintained between all casings and the borehole wall within the interval to be sealed? Are you proposing a modification to this Standard? \_\_\_ 17. Are you proposing a variance to the surface completion standards? The surface completion standards are found at CA Well Standards Bulletin 74-90, pgs 57-74. 18. Does the sealing material surround the vault from the top of the annular seal to the ground surface? 19. Are you proposing a variance to the placement of seals as outlined in Section 9 or the Bulletin 74-90 Cathodic Protection Wells? If yes, explain:

•	Positive surface drainage away from the security structure to avoid surfathe surface completion if it is to be different from that presented in the S. B, Section IV, B, s?	AM Manual, Appendix B, Section IV, B, r. or Appendix
•	A locking cover?	
•	A casing watertight cap, "U" bend or equivalent device to prevent the	entry of water?
•	A casing that terminates above ground surface and known levels of floor	oding?
•	A concrete base or pad that is at least 4" thick and slopes to drain away	and is in contact with the annular seal?
N	OTE:	
1.	. The surface completion well cover or vault must be labeled "Cathodi	c Protection Well."
2.	<ul> <li>Any tubular materials, such as a vent pipe or anode access tubing parequirements for casing materials of Section 12 of Bulletin 74-90.</li> </ul>	assing through the interval to be sealed must meet the
3.	The casing of the CPW shall at least have a 2-inch internal diameter	r to facilitate eventual well destruction.
G. API	PLICATION SUBMITTAL, PLAN APPROVAL, PERMIT ISSUAI	NCE. AND REQUIRED INSPECTIONS
Submit Permit 5500 C	one (1) original of this application package, including a proposed well Desk with the Department of Environmental Health & Quality (DEH Dverland Avenue, Suite 110, San Diego, CA 92123; or mail to s should be made payable to the County of San Diego.	I diagram and the required fee, to the Monitoring Well Q), Site Assessment and Mitigation Program (SAM),
fees meeded Once th	nit will be issued by the Monitoring Well Program (MWP) upon review are ust be submitted with the application package. Information in addition of in order to obtain final approval. <b>No work is to begin on the permit</b> has been issued, it is the responsibility of the permittee to notify king days in advance of any drilling activity.	to that presented in the application package may be roposed project until a permit has been issued.
MULT	IPLE ASSESSORS PARCELS (APN#) MAY BE INCLUDED C	ON ONE APPLICATION IF THE PARCELS
AREA	DJACENT OR CONTIGUOUS.	
•	The well driller must have an active C-57 license.  Provide a signed copy of the Property Owner Consent form for each Provide a copy of the application for an encroachment/excavation perm street or public right of way.	
	Information (such as SAM Manual, Property Owner Responsibility Acknowledge be site at <a href="http://www.sdcounty.ca.gov/deh/water/sam_monitoring_well">http://www.sdcounty.ca.gov/deh/water/sam_monitoring_well</a>	
to CPW o	comply with the requirements, ordinances and laws of the County r Anode construction and destruction. I certify the design of the wolf requirements. Within 60 days of completion, I will furnish the well log, as-built diagram, and well location site map (to scale).	ell is in accordance with the CA Well Standards and
	DRILLER'S SIGNATURE	DATE

20. Are you proposing a variance to the casing materials as outlined in Section 12 of the Bulletin 74-90 Cathodic Protection Wells? If

yes, explain:\_

21. Does the proposed surface construction have: