

October 10, 2001

OCT 17 2001

Ms. Eva Chu  
Alameda County Health Care Services Agency  
1131 Harbor Bay Parkway, Suite 250  
Alameda, California 94502

Re: **Well Abandonment Report**  
23040 Clawiter Road  
Hayward, California  
Cambria Project #189-1517

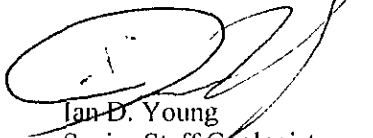
Dear Ms. Chu:




On behalf of Mr. Ken Clark, Cambria Environmental Technology, Inc. (Cambria) is submitting this well abandonment report for the above-referenced site. Cambria abandoned three monitoring wells (identified on Figure 1 as MW-1, MW-2, and MW-3) on August 28, 2001. Prior to beginning work, Cambria obtained well abandonment permits from the Alameda County Public Works Agency (ACPWA) and an encroachment permit from the City of Hayward (Attachment A). The well abandonment activities were supervised by Cambria geologist Ian Young. Cambria removed the well heads, pressure grouted each well with an 8-sack cement slurry, then overdrilled the upper 5 feet. Concrete and casings were removed from the site by the driller. Copies of the permits are included as Attachment A. State of California Department of Water Resources (DWR) well completion forms are included as Attachment B. Waste water generated from well monitoring events was transported to an approved waste disposal facility.

If you have any questions or comments, please call Ian Young at (510) 420-3305.

Sincerely,  
**Cambria Environmental Technology, Inc.**

  
Ian D. Young  
Senior Staff Geologist

  
Bob Clark-Riddell, P.E.  
Principal Engineer

Oakland, CA  
San Ramon, CA  
Sonoma, CA

**Cambria  
Environmental  
Technology, Inc.**

1144 65th Street  
Suite B  
Oakland, CA 94608  
Tel (510) 420-0700  
Fax (510) 420-9170

Figure: 1 - Site Map  
Attachments: A - Well Abandonment Permits  
B - DWR Well Completion Reports

CC: Mr Ken Clark, 537 Hidden Valley Road, Grants Pass, Oregon 97527

H:\Clarks H&G\wellaband\CHG082801 wpd

H:\CLARKS H&G\FIGURES\WELL-LOC.DWG

**EXPLANATION**

MW-1 ✕ Abandoned Well Location

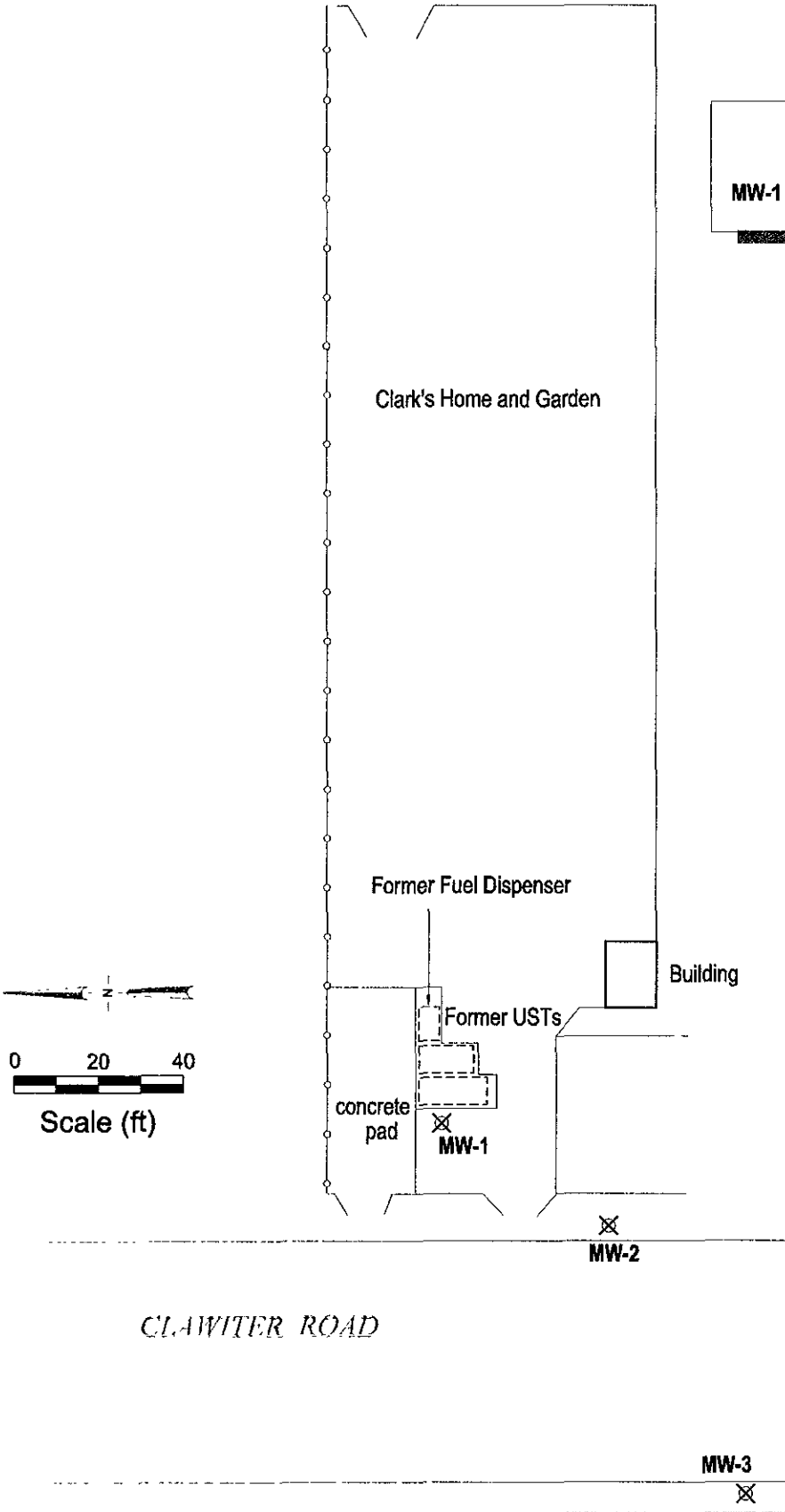


FIGURE 1

**Clark's Home and Garden**  
 23040 Clawiter Road  
 Hayward, California

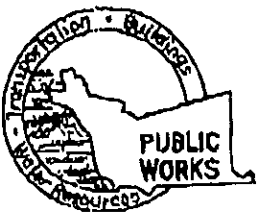


C A M B R I A

**Site Plan**

**Attachment A**

Well Abandonment Permits



# ALAMEDA COUNTY PUBLIC WORKS AGENCY

**WATER RESOURCES SECTION**  
399 ELMHURST ST. HAYWARD CA. 94544-1396  
PHONE: (510) 670-5554 MARLON MAGALANES/PANK CODD (510) 670-3783  
FAX (510)782-1939

## DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT  
Clark's Home 2nd Section  
23040 Glawitar Road  
Hayward CA

CLIENT  
Name Ken Clark  
Address 337 Hidden Valley Road Phone \_\_\_\_\_  
City Grants Pass OR Zip 97527

APPLICANT  
Name Combie Environmental Technology, Inc.  
Address 1144 65th St, Suite B Phone 510-436-9170  
City Oakland CA Zip 94608

TYPE OF PROJECT  
Well Construction  Geotechnical Investigation   
Cathodic Protection  (General)   
Water Supply  Contamination   
Monitoring  Well Destruction  3 wells

PROPOSED WATER SUPPLY WELL USE  
New Domestic  Replacement Domestic   
Municipal  Irrigation   
Industrial  Other

DRILLING METHOD:  
Mud Rotary  Air Rotary  Auger   
Cable  Other

DRILLER'S NAME V&W Drilling  
DRILLER'S LICENSE NO. 720904

WELL PROJECTS  
Drill Hole Diameter 8 in. Maximum \_\_\_\_\_  
Casing Diameter 2 in. Depth 32 ft. Owner's Well Number MW-1  
Surface Seal Depth 2 ft.

GEOTECHNICAL PROJECTS  
Number of Borings \_\_\_\_\_ Maximum \_\_\_\_\_  
Hole Diameter \_\_\_\_\_ in. Depth \_\_\_\_\_ ft.  
ESTIMATED STARTING DATE 8/01  
ESTIMATED COMPLETION DATE 9/01

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.  
APPLICANT'S SIGNATURE [Signature] DATE 7/27/01  
PLEASE PRINT NAME Lo Young

FOR OFFICE USE

PERMIT NUMBER W01-597  
WELL NUMBER \_\_\_\_\_  
APN \_\_\_\_\_

PERMIT CONDITIONS  
Circled Permit Requirements Apply

- A. GENERAL
  1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
  2. Submit to ACPWA within 60 days after completion of permittee original Department of Water Resources-Well Completion Report.
  3. Permit is void if project not begun within 90 days of approval date.
- B. WATER SUPPLY WELLS
  1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
  2. Minimum seal depth is 30 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
- C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
  1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
  2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
- D. GEOTECHNICAL
 

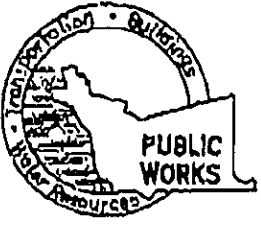
Backfill bore hole by tremie with cement grout or cement grout and mixture. Upper two-three feet replaced in kind or with compressed air.
- E. CATHODIC
 

Fill hole annular zone with concrete placed by tremie.
- F. WELL DESTRUCTION
 

See attached requirements for destruction of shallow wells. Send a map of work site. A different permit application is required for wells deeper than 45 feet.
- G. SPECIAL CONDITIONS

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

APPROVED [Signature] DATE 7-27-01



# ALAMEDA COUNTY PUBLIC WORKS AGENCY

## WATER RESOURCES SECTION

399 ELMHURST ST. HAYWARD CA. 94844-1395

PHONE (510) 870-5854 MAILING MAGALANES/FRANK CODD (510) 870-8783

FAX (510) 782-1939

### DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT  
Clark's Home 2nd Grade  
23040 Calaveras Road  
Hayward CA

PERMIT NUMBER W01-598  
WELL NUMBER \_\_\_\_\_  
APN \_\_\_\_\_

#### PERMIT CONDITIONS

Circled Permit Requirements Apply

CLIENT  
Name Ken Clark  
Address 532 Hidden Valley Road Phone \_\_\_\_\_  
City Grants Pass OR Zip 97527

- A. GENERAL**
1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
  2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources-Well Completion Report.
  3. Permit is void if project not begun within 90 days of approval date.
- B. WATER SUPPLY WELLS**
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
  2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
- C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS**
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
  2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
- D. GEOTECHNICAL**
- Backfill bore hole by tremie with cement grout or cement grout and mixture. Upper two-three feet replaced in kind or with compacted cuttings.
- E. CATHODIC**
- Fill hole anode zone with concrete placed by tremie.
- F. WELL DESTRUCTION**
- See attached requirements for destruction of shallow wells. Send a map of work site. A different permit application is required for wells deeper than 45 feet.
- G. SPECIAL CONDITIONS**

APPLICANT  
Name Combric Environmental Technology, Inc.  
Address 1144 65th St. Suite B Phone 510-420-0700  
City Oakland CA 94608 Zip 94608

TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
Cathodic Protection	<input type="checkbox"/>	General	<input type="checkbox"/>
Water Supply	<input type="checkbox"/>	Contamination	<input type="checkbox"/>
Monitoring	<input type="checkbox"/>	Well Destruction	<input checked="" type="checkbox"/>

3 wells

PROPOSED WATER SUPPLY WELL USE

New Domestic	<input type="checkbox"/>	Replacement Domestic	<input type="checkbox"/>
Municipal	<input type="checkbox"/>	Irrigation	<input type="checkbox"/>
Industrial	<input type="checkbox"/>	Other	<input checked="" type="checkbox"/>

DRILLING METHOD:

Mud Rotary	<input type="checkbox"/>	Air Rotary	<input type="checkbox"/>	Auger	<input checked="" type="checkbox"/>
Cable	<input type="checkbox"/>	Other	<input type="checkbox"/>		

DRILLER'S NAME V&W Drilling  
DRILLER'S LICENSE NO. 720904

WELL PROJECTS

Drill Hole Diameter	<u>8</u> in.	Maximum Depth	<u>32</u> ft.
Casing Diameter	<u>2</u> in.	Owner's Well Number	<u>MW-2</u>
Surface Seal Depth	<u>2</u> ft.		

GEOTECHNICAL PROJECTS

Number of Borings	_____	Maximum Depth	_____ ft.
Hole Diameter	_____ in.		

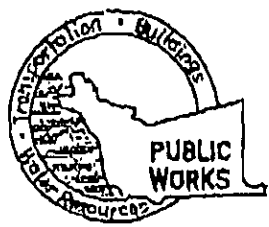
ESTIMATED STARTING DATE 8/01  
ESTIMATED COMPLETION DATE 8/01

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE [Signature] DATE 7/27/01

PLEASE PRINT NAME Ken Clark

APPROVED [Signature] DATE 7-29-01



# ALAMEDA COUNTY PUBLIC WORKS AGENCY

**WATER RESOURCES SECTION**  
 399 ELMHURST ST. HAYWARD CA 94544-1395  
 PHONE (510) 870-5554 MARLON MAGALANES/YRANK CODD (510) 870-5783  
 FAX (510) 782-1939

## DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT  
Clark's Home 2nd Egeedan  
23040 Clawiter Road  
Hayward CA

PERMIT NUMBER W01-599  
 WELL NUMBER \_\_\_\_\_  
 APN \_\_\_\_\_

CLIENT  
 Name Ken Clark  
 Address 232 Hidden Valley Road Phone \_\_\_\_\_  
 City Grants Pass OR Zip 97527

APPLICANT  
 Name Cambria Environmental Technology, Inc.  
 Address 1144 65th St. Suite B Phone 510-426-9170  
 City Oakland CA 94608 Zip 94608

TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
Cathodic Protection	<input type="checkbox"/>	General	<input type="checkbox"/>
Water Supply	<input type="checkbox"/>	Contamination	<input type="checkbox"/>
Monitoring	<input type="checkbox"/>	Well Destruction	<input checked="" type="checkbox"/>

3 wells

PROPOSED WATER SUPPLY WELL USE

New Domestic	<input type="checkbox"/>	Replacement Domestic	<input type="checkbox"/>
Municipal	<input type="checkbox"/>	Irrigation	<input type="checkbox"/>
Industrial	<input type="checkbox"/>	Other	<input checked="" type="checkbox"/>

DRILLING METHOD:

Mud Rotary	<input type="checkbox"/>	Air Rotary	<input type="checkbox"/>	Auger	<input checked="" type="checkbox"/>
Cable	<input type="checkbox"/>	Other	<input type="checkbox"/>		

DRILLER'S NAME V&W Drilling  
 DRILLER'S LICENSE NO. 720904

WELL PROJECTS

Drill Hole Diameter	<u>8</u> in.	Maximum Depth	<u>32</u> ft.
Casing Diameter	<u>2</u> in.	Owner's Well Number	<u>MW-3</u>
Surface Seal Depth	<u>5</u> ft.		

GEOTECHNICAL PROJECTS

Number of Borings	_____	Maximum Depth	_____ ft.
Hole Diameter	_____ in.		

ESTIMATED STARTING DATE 8/01  
 ESTIMATED COMPLETION DATE 8/01

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE [Signature] DATE 7/27/01

PLEASE PRINT NAME Ken Clark Rev. 6-3-00

**PERMIT CONDITIONS**  
 Circled Permit Requirements Apply

- A. GENERAL**
  1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
  2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources-Well Completion Report.
  3. Permit is void if project not begun within 90 days of approval date.
- B. WATER SUPPLY WELLS**
  1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
  2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
- C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS**
  1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
  2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
- D. GEOTECHNICAL**  
 Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compressed cuttings.
- E. CATHODIC**  
 Fill hole annular zone with concrete placed by tremie.
- F. WELL DESTRUCTION**  
 See attached requirements for destruction of shallow wells. Send a map of work site. A different permit application is required for wells deeper than 45 feet.
- G. SPECIAL CONDITIONS**

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

APPROVED [Signature] DATE 7-29-01

# CITY OF HAYWARD



TAKEN BY: SDM DATE: 8/15/2001  
ISSUED BY: SDM DATE: 8/15/2001

PERMIT NO. 01-305

## PERMIT

Owner: Ken Clark  
537 Hidden Valley Rd.  
Grant Pass OR. 97527

CONTRACTOR: V & W Drilling  
P.O. Box 51  
Rio Vista CA. 94571

PROJECT LOCATION:

23040 CLAWITER RD.

CONTACT NAME & TELEPHONE:

IAN YOUNG

(510) 420-3305

THE APPLICANT HEREBY APPLIES FOR PERMISSION TO:

Destruction of three monitoring wells ( 2 of which are in the City ROW planter area) by overdrilling.

This Permit is subject to the following conditions:

1. Call USA toll free 1-800-642-2444 at least 48 hours prior to any excavation or borings.
2. Any pavement damaged due to this construction shall be neatly edged, removed and replaced at the direction of the City Inspector.
3. The permittee assumes all responsibility for damage to existing underground utilities.
4. Call (510) 583-4140 twenty-four hours prior to start of work to schedule an inspection.
5. This permit subject to cancellation if work is not completed within 90 days.
8. Any sidewalk damaged due to this activity shall be restored to previous condition at the direction of the City Inspector
9. Any street-lane closures should be restricted to the hours between 10:00 a.m. and 3:00 p.m. Monday through Friday, with no work on weekends or holidays, unless authorized by the City Engineer.
10. Permittee must comply with "State of California Manual of Warning Signs, Lights and Devices for Use in Performance of Work upon Highways".

FEE: \$293.00

ACCOUNT: -4815

APPROVED BY:

TRAFFIC

DATE August 15, 2001  
DATE

~~ENGINEERING~~ NT

APPLICANT AGREES TO COMPLY WITH ALL OF THE APPLICABLE SECTIONS OF THE CITY OF HAYWARD MUNICIPAL CODE AND STANDARD SPECIFICATIONS.

DATE 8/23/01  
DATE

In consideration of the granting of this permit and other good and valuable consideration therefore, the undersigned intending to be legally bound does hereby for the undersigned and the heirs, executors, administrators and assigns of the undersigned agree to indemnify and hold harmless the City of Hayward, the members of the City Council and all City servants and employees and each of them, from and against liability for injury to or death of persons and/or liability for damage to property arising from any and all work performed or incidental thereto or which may arise from failure of permittee to perform the obligations of permittee under this permit, with respect to maintenance.

FILE COPY

APPLICANT

ACCOUNTING

INSPECTION

DATE  
FILED  
AUG 23 2001  
INSPECTION

**Attachment B**

DWR Well Completion Reports



**CONFIDENTIAL**

STATE OF CALIFORNIA DWR  
WELL COMPLETION REPORT  
(WELL LOGS)

**REMOVED**

**CONFIDENTIAL**

STATE OF CALIFORNIA DWR  
WELL COMPLETION REPORT  
(WELL LOGS)

**REMOVED**

**CONFIDENTIAL**

**STATE OF CALIFORNIA DWR  
WELL COMPLETION REPORT  
(WELL LOGS)**

**REMOVED**