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By Alameda County Environmental Health at 3:37 pm, Mar 14, 2014



March 11, 2014

Mr. Jerry Wickham  
Senior Hazardous Materials Specialist  
Alameda County Health Care Services Agency  
Environmental Health Services  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

**Subject:** Abandonment of Wells Formerly Located at 7999 Athenour Way in Sunol, California  
Alameda County Case No. RO0000207 and GeoTracker Global ID T0600102092

Dear Mr. Wickham:

The attached letter documenting the abandonment of the wells formerly located at the Mission Valley Rock and Asphalt Plant at 7999 Athenour Way, Sunol, California ("the Site") was prepared by ARCADIS U.S., Inc. (ARCADIS) on behalf of Lehigh Hanson West Region ("Hanson"). The wells were abandoned in response to the Alameda County Health Care Services Agency (ACHCSA) letter to Hanson dated January 13, 2014.

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached report are true and correct to the best of my knowledge.

It is our understanding that the abandonment of the wells is the last step in closing this case and the ACHCSA will issue a letter stating (certifying) that the remedial action is complete at the Site. ARCADIS and Hanson appreciate the ACHCSA's attention and responsiveness in this case and would like to thank the staff for their efforts. If you have any questions or need any more information, please contact Tina Lau of Hanson at 925-244-6584 or Ron Goloubow of ARCADIS at 510-501-1789.

Sincerely,

Mike Roth  
Vice President/General Manager  
Lehigh Hanson West Region

Attachments

Mr. Jerry Wickham  
Senior Hazardous Materials Specialist  
Alameda County Health Care Services Agency  
Environmental Health Services  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502-6577

**Subject:** Fuel Leak Case No. **RO0000148** and GeoTracker Global ID T0600100193  
Well Abandonment



Dear Mr. Wickham

On behalf of Lehigh Hanson West Region (Hanson), ARCADIS U.S., Inc. (ARCADIS) is submitting this letter documenting the abandonment of the 29 groundwater monitoring wells formerly located at the Mission Valley Rock and Asphalt Plant located at 7999 Athenour Way in Sunol, California (the Site; see Figures 1 and 2). The wells were abandoned in response to the letter from Alameda County Health Care Services Agency (ACHCSA) to Hanson dated, January 13, 2014.

### Pressure Grouting

Prior to abandoning the wells, ARCADIS completed and submitted the appropriate well abandonment permit form to the Zone 7 Water Agency for permit 2014025. The wells were abandoned by Gregg Drilling and Testing Inc. a California licensed well drilling contractor under the supervision of ARCADIS, in accordance with the requirements of the Zone 7 Water Agency well abandonment permit and California Department of Water Resources (DWR) guidelines on February 18 and 19, 2014. The Zone 7 Water Agency well abandonment permit included as Attachment 1) .

The wells were abandoned by placing a tremie pipe inside the well casing to approximately 5 feet off the bottom of the well. A cement grout mixture consisting of one, 94-pound sack of cement for every 10 gallons of water was pumped into the tremie pipe at each well. The grout was put into each well until the cement grout was flowing out from the top of the well casing. A well cap equipped with a pressure gauge was then placed on the well casing and the well was pressurized to approximately 25 pounds of air per square inch for 5 minutes to facilitate the grout to flow through the well screen into the surrounding sand pack. After approximately 30 minutes, the casing at each well was inspected to assess if more grout was required

ENVIRONMENT

Date:  
March 11, 2014

Contact:  
Ron Goloubow

Phone:  
510.596.9550

Email:  
ron.goloubow  
@arcadis-us.com

Our ref:  
EM009480.0017

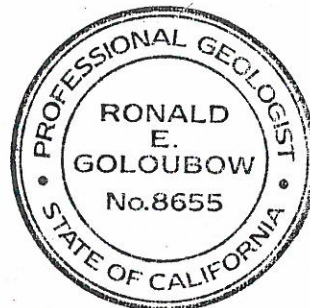
to top off the well, as needed. The lid of the at-grade protective well box was removed and the well box at each was filled with concrete and finished to match the grade of the ground surface. In accordance with the well abandonment permit, DWR well completion forms were prepared for each well and the forms were submitted to the Zone 7 Water Agency on March 1, 2014. Copies of a letter from Zone 7 Water Agency acknowledging the proper abandonment of the wells and the DWR forms are included as Attachment 2 to this letter for the ACHCSA's reference.

It is our understanding that the abandonment of the wells is the last step in closing this case and the ACHCSA will issue a letter stating (certifying) that remedial action is complete at the Site. ARCADIS and Hanson appreciate the ACHCSA's attention and responsiveness in this case and would like to thank the staff for their efforts. If you have any questions or need any more information please contact me at 510-501-1789 or Tina Lau of Hanson at 925-244-6584.

Sincerely,



Ron Goloubow, P.G.  
Principal Geologist



Expires Nov. 30, 20 14

- Enclosures –  
 Figures 1 and 2  
 Attachment 1 - Zone 7 Water Agency Well Abandonment Permit  
 Attachment 2 - DWR Forms

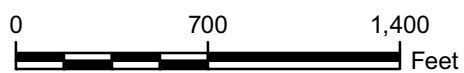


HANSON AGGREGATES, 7999 ATHENOUR WAY,  
SUNOL, CALIFORNIA

**SITE LOCATION MAP**



FIGURE  
**1**



GRAPHIC SCALE



- EXPLANATION:**
- MW-9S Groundwater monitoring well (single completion; well cluster)
  - MW-7S/7D Groundwater monitoring well (dual nested)
  - MW-2S/2M/2D Groundwater monitoring well (triple nested)
  - MW-2 Abandoned groundwater monitoring well
  - TB-6 Grab groundwater sample location
  - SB-4 Temporary soil boring location
  - B-2 Sonic boring / grab groundwater
  - MIP-3 MIP boring / grab groundwater
  - OXY-1S Air injection well (approximate location)
  - SG-1 Soil gas monitoring probe (approximate location)
  - LIF-1 CPT/LIF boring location
- AST = Aboveground storage tank  
 UST = Underground storage tank  
 MIP = Membrane Interface Probe  
 CPT = Cone Penetrometer  
 LIF = Laser induced Fluorescence
- Portion of the site subject to the Soil and Groundwater Site Management Plan



HANSON AGGREGATES 7999 ATHEOUR WAY SUNOL, CALIFORNIA	
<b>SITE PLAN</b>	
	FIGURE <b>2</b>

**Attachment 1**

**Zone 7 Water Agency  
Well Abandonment Permit**



# ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 245-9306  
E-MAIL [whong@zone7water.com](mailto:whong@zone7water.com)

## DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 7999 Athenour Way  
San Jose, CA 94586

PERMIT NUMBER 2014025  
WELL NUMBER see attached - 29 wells  
APN 96-0080-001-07

Coordinates Source \_\_\_\_\_ ft. Accuracy \_\_\_\_\_ ft.  
LAT: \_\_\_\_\_ ft. LONG: \_\_\_\_\_ ft.  
APN \_\_\_\_\_

PERMIT CONDITIONS  
(Circled Permit Requirements Apply)

CLIENT Name HANSON HEIDELBERG CEMENT Group  
Address 12667 Alcosta Blvd Phone \_\_\_\_\_  
City SAN RAMON, CA Zip 94583

- A. GENERAL
  1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to your proposed starting date.
  2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report (DWR Form 188), signed by the driller.
  3. Permit is void if project not begun within 90 days of approval date.
  4. Notify Zone 7 at least 24 hours before the start of work.

APPLICANT Name Emily Short, ARCADIS  
Email emily.short@arcadis-us.com Fax \_\_\_\_\_  
Address 100 Montgomery St Ste 300 Phone 415-432-6915  
City SAN FRANCISCO, CA Zip 94104

- B. WATER SUPPLY WELLS
  1. Minimum surface seal diameter is four inches greater than the well casing diameter.
  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.
  3. Grout placed by tremie.
  4. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
  5. A sample port is required on the discharge pipe near the wellhead.

TYPE OF PROJECT:  
Well Construction \_\_\_\_\_ Geotechnical Investigation \_\_\_\_\_  
Well Destruction  Contamination Investigation \_\_\_\_\_  
Cathodic Protection \_\_\_\_\_ Other \_\_\_\_\_

- C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
  1. Minimum surface seal diameter is four inches greater than the well or piezometer casing diameter.
  2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
  3. Grout placed by tremie.

PROPOSED WELL USE:  
Domestic \_\_\_\_\_ Irrigation \_\_\_\_\_  
Municipal \_\_\_\_\_ Remediation \_\_\_\_\_  
Industrial \_\_\_\_\_ Groundwater Monitoring \_\_\_\_\_  
Dewatering \_\_\_\_\_ Other \_\_\_\_\_

- D. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

DRILLING METHOD:  
Mud Rotary \_\_\_\_\_ Air Rotary \_\_\_\_\_ Hollow Stem Auger \_\_\_\_\_  
Cable Tool \_\_\_\_\_ Direct Push \_\_\_\_\_ Other None-Pressure   
grout

- E. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

DRILLING COMPANY Gregg Drilling  
DRILLER'S LICENSE NO. C57 485165 - exp 1/31/2016

- F. WELL DESTRUCTION. See attached.

WELL SPECIFICATIONS:  
Drill Hole Diameter \_\_\_\_\_ in. Maximum \_\_\_\_\_  
Casing Diameter 2 in. Depth 44.5 ft.  
Surface Seal Depth \_\_\_\_\_ ft. Number 29

- G. SPECIAL CONDITIONS. Submit to Zone 7 within 60 days after completion of permitted work the well installation report including all soil and water laboratory analysis results.

SOIL BORINGS:  
Number of Borings \_\_\_\_\_ Maximum \_\_\_\_\_  
Hole Diameter \_\_\_\_\_ in. Depth \_\_\_\_\_ ft.

ESTIMATED STARTING DATE 2/19/2014  
ESTIMATED COMPLETION DATE 2/21/2014

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

Approved Wyman Hong Date 2/14/14  
Wyman Hong

APPLICANT'S SIGNATURE Emily Short Date 2/7/14

ATTACH SITE PLAN OR SKETCH

February 14, 2014

**Zone 7  
Water Resources Engineering  
Groundwater Protection Ordinance**

Hanson Heidelberg Cement Group  
7999 Athenour Way  
Sunol

Wells MW-1, MW-2S/2M/2D, MW-3, MW-4S/4D, MW-5S/5D, MW-6S/6D, MW-7S/7D, MW-8, MW-9S/9D/9LF, MW-10S, MW-10D, MW-10LF, MW-11S, MW-11D, MW-11LF, MW-12S, MW-12D, MW-12LF, OXY-1S, OXY-1D and OXY-1LF  
Permit 2014025

**Destruction Requirements:**

1. Remove from the well any pump, appurtenances, debris, or other materials.
2. Sound the well as deeply as practicable and record for your report.
3. Fill casing with neat cement or cement grout sealing material to two feet below the finished grade and pressurize to 25 psi and maintain for 5 minutes, forcing the sealing material through the existing perforations and into the surrounding formation.
4. Release the pressure and refill the empty portion of the casing with grouting material allowing it to spill over the top of the casing to form a cap.
5. Cut and remove any casing(s) to two feet below the finished grade or original ground, whichever is the lower elevation (optional).
6. After seal has set, backfill the remaining hole with compacted material.



PROJECT NAME: \_\_\_\_\_  
 SHEET: \_\_\_\_\_  
 20.000 Earth Image August 2012.ppt



- EXPLANATION:**
- MW-95 Groundwater monitoring well (single completion; well cluster)
  - MW-7L-7D Groundwater monitoring well (dual nested)
  - MW-2S/2M/2D Groundwater monitoring well (triple nested)
  - MW-2 Abandoned groundwater monitoring well
  - TB-6 Grab groundwater sample location
  - SB-4 Temporary soil boring location
  - B-2 Sonic boring / grab groundwater
  - MIP-3 MIP boring / grab groundwater
  - OXY-1S Air injection well (approximate location)
  - SG-1 Soil gas monitoring probe (approximate location)
  - LIF-1 CPT, LIF boring location
  - AST - Aboveground storage tank
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  - MIP - Membrane Interface Probe
  - CPT - Cone Penetrometer
  - LIF - Laser Induced Fluorescence
- Portion of the site subject to the Soil and Groundwater Site Management Plan



HANSON AGGREGATES 7899 ATHEOUR WAY SUNOL, CALIFORNIA	
<b>SITE PLAN</b>	
	FIGURE <b>2</b>



Quick links

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<< [Assessor Homepage](#)

**Parcel Viewer**  
Alameda County Office of Assessor

Overview | **Details** [X]

96 80 1 7

Site Address: MISSION RD SUNOL 94586

Assessor Parcel Information

Tax Information

If you close this window click on the highlighted parcel to have the window redisplay.

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Parcel Search

**Attachment 2**

**Zone 7 Water Agency Letter  
Department of Water Resources Forms and**



ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT, ZONE 7  
100 NORTH CANYONS PARKWAY, LIVERMORE, CA 94551-9486 • PHONE (925) 454-5000

March 13, 2014

Mr. Ron Goloubow  
ARCADIS U.S., Inc.  
100 Montgomery Street, Suite 300  
San Francisco, CA 94104

Dear Mr. Goloubow:

This letter is to confirm that we have received and reviewed the report required by Zone 7 Drilling Permit 2014025. This permit was issued to ARCADIS on February 14, 2014 for the destruction of 32 monitoring wells at 7999 Athnour Way in Sunol for Hanson Heidelber Cement Group.

According to the submitted well destruction report the wells has been properly destroyed in accordance with the conditions stated in the issued drilling permit. No further action is required at this time.

A copy of Zone 7 drilling permit 2014025 is enclosed.

If you have any questions, please contact me at (925) 454-5056.

Sincerely,

Wyman Hong  
Water Resources Specialist

**CONFIDENTIAL**

STATE OF CALIFORNIA DWR  
WELL COMPLETION REPORT  
(WELL LOGS)

**REMOVED**

**CONFIDENTIAL**

STATE OF CALIFORNIA DWR  
WELL COMPLETION REPORT  
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