

August 26, 2009

Mr. Wyman Hong ZONE 7 WATER AGENCY 100 North Canyons Parkway Livermore, California 94551

Project No. 33107-007514.03

Subject: Well Destruction Documentation at Groth Brothers Chevrolet, 59 South L Street,

Livermore, Alameda County, California

Dear Mr. Hong:

Bureau Veritas North America, Inc. (Bureau Veritas) on behalf of Bordoni Ranch LLC and Green Valley Corporation Tenancy in Common (BGTIC), is submitting this letter to document the well abandonment activities that occurred on August 26, 2009 at the above-referenced property (the "Site"). Monitoring well MW-1 was installed in April 1994 pursuant to a Leaking Underground Storage Tank (LUST) release under regulatory oversight by Alameda County Environmental Health (ACEH). ACEH requested that monitoring well MW-1 be abandoned in order to obtain environmental closure for the issues pertaining to the former USTs. On August 6, 2009, Zone 7 Water Agency (Zone 7) issued Permit No. 29052 to abandon monitoring well MW-1 using the pressure grout method. A copy of the permit is appended.

On August 26, 2009, the well was abandoned in accordance with the conditions documented on the permit under the oversight of Bureau Veritas personnel. A representative from Zone 7 was on-stie to approve the grouting activities. The well was dry and the measured total well depth was approximately 44 feet below ground surface (bgs); there did not appear to be sediment or obstructions within the well casing. Bureau Veritas contracted with HEW Drilling, a California C-57 licensed drilling contractor located in East Palo Alto, California, to abandon the two-inch diameter well. HEW personnel filled the well casing with neat cement grout and maintained a pressure of approximately 25 psi for at least 10 minutes, which forced the grout through the perforations of the well screen and into the surrounding formation. Approximately 30 gallons of grout was injected into the well casing and surrounding formation. Upon approval by Zone 7, the PVC well casing was then removed to approximately two feet bgs and the remaining borehole annulus was backfilled with concrete to the original surface grade.

Bureau Veritas completed the required California Department of Water Resources (DWR) Well Completion Report for the abandonment of MW-1. As requested, the original DWR Well Completion Report signed by the driller is appended.

Bureau Veritas North America, Inc.

Health, Safety, and Environmental Services 2430 Camino Ramon, Suite 122 San Ramon, CA 94583

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If you have any questions or concerns, please contact me at 925.4226.2607 or craig.pelletier@us.bureauveritas.com.

Sincerely,

Craig Palletier, P.G. Senior Project Manager Environmental Services

Attachments – Zone 7 Permit No. 29052 DWR Well Completion Report for MW-1

cc: Mr. Jerry Wickham, Alameda County Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, California 94502-6577

Mr. Michael Bordoni, BGTIC, 777 North First Street, San Jose, California 95112

Mr. Todd Trekell, BGTIC, 777 North First Street, San Jose, California 95112

Mr. Cleet Carlton, RWQCB, 1515 Clay Street, Suite 1400, Oakland, California 94062

# ZONE

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT from Brother Cherolet

### **ZONE 7 WATER AGENCY**

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 245-9306 E-MAIL <a href="whonq@zone7water.com">whonq@zone7water.com</a>

FOR OFFICE USE

#### **DRILLING PERMIT APPLICATION**

- St L Sheet	
Covernose A	PERMIT NUMBER 29052
	WELL NUMBER 3S/2E-8R14 (MW-1)
Coordinates Source to the ft. Accuracy ft. LAT: 37° 40° 51.1 ft. LONG: 171° 46° 786° ft.	APN098-0405-004-00
APN OR 11	PERMIT CONDITIONS
98-905-9	(Circled Permit Requirements Apply)
CLIENT Name Address 71 Month First Phone Zip 71 Month Phone Zip 71 Mont	<ul> <li>A. GENERAL <ol> <li>A permit application should be submitted so as to arrive at the Zone 7 office five days prior to your proposed starting date.</li> <li>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.</li> <li>Permit is void if project not begun within 90 days of approval date.</li> </ol> </li> <li>B. WATER SUPPLY WELLS <ol> <li>Minimum surface seal diameter is four inches greater than the well casing diameter.</li> <li>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.</li> <li>Grout placed by tremie.</li> <li>An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.</li> <li>A sample port is required on the discharge pipe near the wellhead.</li> </ol> </li></ul>
Dewatering 9 Other 9  DRILLING METHOD:  Mud Rotary 9 Air Rotary 9 Hollow Stem Auger 9  Cable Tool 9 Direct Push 9 Other fressure X  DRILLING COMPANY # Drunk.  DRILLER'S LICENSE NO  WELL SPECIFICATIONS:  Drill Hole Diameter	<ul> <li>C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS</li> <li>1. Minimum surface seal diameter is four inches greater than the well or piezometer casing diameter.</li> <li>2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.</li> <li>3. Grout placed by tremie.</li> <li>D. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In</li> </ul>
Surface Seal Depth ft. Numberft. SOIL BORINGS:	areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.
Number of Borings, Maximum Hole Diameter in. Depth ft.	<ul> <li>E. CATHODIC. Fill hole above anode zone with concrete placed by tremie.</li> </ul>
ESTIMATED STARTING DATE August 10 2009 ESTIMATED COMPLETION DATE	F.) WELL DESTRUCTION. See attached.
I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68/	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.
APPLICANT'S CA Date 1/29/09	Approved Wyman Hong Date 8/2/09  Structural S. Fr Mad Attached
ATTACH SITE PLAN OR SKETCH - Borry Logs / MW LOV	Revised: April 23, 2008

## Zone 7 Water Resources Engineering Groundwater Protection Ordinance

Groth Brothers Chevrolet
59 South "L" Street
Livermore
Well 35/2E-8R14 (MW-1)
Permit 29052

#### <u>Preliminary Destruction Requirements:</u>

- 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 10 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.
- 6. After seal has set, backfill the remaining hole with compacted material.

### CONFIDENTIAL

STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

**REMOVED**