



# Converse Consultants

Over 50 Years of Dedication in Geotechnical Engineering and Environmental Sciences

November 29, 2000

93-43201-11

Mr. Hampton George  
Sandstone Land and Cattle Company  
5045 6<sup>th</sup> Street  
Carpinteria, CA 93013

Log #'s  
106342 to  
106350

**Subject: Site Closure**

Cactus Springs Truck Stop  
Cactus Springs, Nevada  
Facility ID #8-000986  
Case No. 94-039

Dear Mr. George:

This letter is in reference to closure activities at the above referenced site. Closure of the site was granted by the Nevada Division of Environmental Protection (NDEP) in their letter dated June 11, 1998 and e-mail dated November 9, 1999. On September 19, 2000, Converse coordinated the permanent abandonment of six monitoring wells and one recovery sump casing at the site. The wells were abandoned in accordance with NAC 534.420. Three monitoring wells (MW-6, MW-7, and MW-8) could not be located due recent grading/paving activities at the site and were likely destroyed. The abandonment logs are enclosed for the Division of Water Resources.



62/90BG



Printed on  
Recycled Paper

731 Pilot Road, Suite H, Las Vegas, Nevada 89119-4429

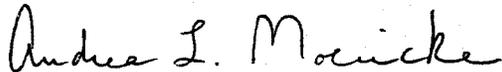
Telephone: (702) 269-8336 ♦ Facsimile: (702) 269-8353 ♦ e-mail: [converse@convrs.com](mailto:converse@convrs.com)

Sandstone Land and Cattle Company  
Project No. 93-43201-11  
November 29, 2000  
Page 2

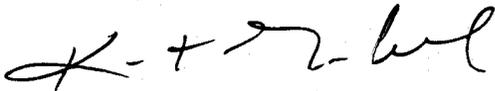
Should additional information be required, please contact us at your convenience.

Respectfully submitted,

CONVERSE CONSULTANTS



Andrea L. Moericke  
Project Manager



Kurt A. Goebel, CEM  
Principal Geologist  
Environmental Division Manager  
Nevada CEM 1231 (Exp. 1/4/02)  
Dated 12-4-00

KAG:ALM:gm  
62/90BG

Encl: NDEP Closure Letters  
Abandonment Logs

Dist: 1/Addressee  
1/NDEP - Las Vegas  
Attn: Al Rushanan  
1/NDWR - Las Vegas  
Attn: Robert Thompson



9343 J01-10

(702) 486-2850

PAX (702) 486-2863



DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES  
DIVISION OF ENVIRONMENTAL PROTECTION

(Las Vegas Office)

555 E. Washington, Suite 4300

Las Vegas, Nevada 89101-1049

June 11, 1998

Mr. Hampton George  
Fiesta Hat Company  
5045 6th Street  
Carpinteria, California 93013

Subject: Case Closure

Facility: Cactus Springs Truck Stop  
99997 Tonopah Highway  
Cactus Springs, Nevada

Reference: Facility ID #8-000986  
Petroleum Fund ID #94-039

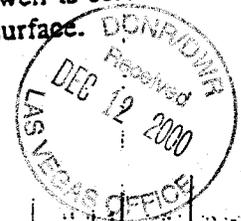
Dear Mr. George:

The Nevada Division of Environmental Protection (NDEP) has reviewed the May 15, 1998, *Environmental Risk Assessment* report by Converse Environmental Consultants, Inc., for the above facility.

The report, and earlier documents on file, describe a gasoline and diesel release discovered in 1993 which has been delineated and partially remediated (262 tons of impacted soil and 8000 gallons of contaminated groundwater hauled to disposal facilities). Groundwater benzene levels remain at hundreds of ug/l in the heart of the plume, but a monitoring well (MW-7) about 80 feet downgradient has attenuated from 330 ug/l in 1996 to 4 ug/l in 1998. Another 70 feet to the north-northeast, the most downgradient well (MW-8) has consistently been non-detect since 1995 for benzene, ethylbenzene, toluene, and xylene, and is nondetect for methyl tertiary butyl ether (MTBE). Other monitoring wells have ranged from non-detect to 130 ug/l MTBE.

The report indicates that groundwater flow at this site is very slow (several feet per year), and that it would take more than a hundred years for the groundwater currently containing benzene to reach the nearest domestic water well (about 400 feet downgradient onsite), and much longer to reach the property boundary which is a further 1160 feet downgradient. *Risk-Based Corrective Action* modeling, according to the report, indicates that the contamination would be a minute fraction of the State Action Level before reaching either the domestic well or the property boundary. The domestic well taps a different aquifer than the one contaminated, and a 45-foot layer of clay or aquitard separates the two, from about 20 feet to 65 feet below surface. The domestic well is screened from 65 feet to 100 feet deep, and its casing is cemented from ground surface to 50 feet below surface.

Carson City Office: (702) 687-4670 • 333 W. Nye Lane, Carson City, NV 89706-0866



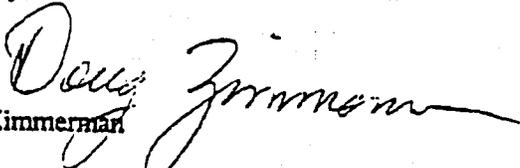
Mr. Hampton George  
RE: Cactus Springs Truck Stop - Case Closure  
June 11, 1998  
Page 2 of 2

Based on the referenced information and pursuant to Nevada Administrative Code (NAC) 459.9977(2.)(c), NDEP requires no further assessment or remediation at this time. This determination is subject to the qualifications of the information provided and, if future conditions warrant, NDEP may request further information, investigation, and/or remediation.

Pursuant to NAC 459.9979(1.), NDEP will require monitoring of wells MW-4, MW-7, and MW-8 on a semi-annual basis for one year. Please provide monitoring reports to the NDEP-Las Vegas Office within 30 days after each sampling event.

Should you have any questions, please contact me at (702) 687-4670, ext. 3127.

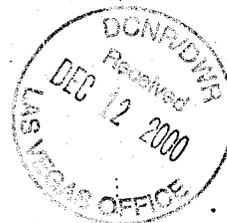
Sincerely,

  
Doug Zimmerman  
Chief  
Bureau of Corrective Actions

DZ:avr

cc: Brenda Pohlmann, Bureau of Corrective Actions, NDEP, Las Vegas, NV  
Bob Kelso, Remediation & LUST Branch, Bureau of Corrective Actions, NDEP, Carson City, NV  
Hayden Bridwell, UST & Petroleum Claims Branch, Bureau of Corrective Actions, NDEP, Carson City, NV  
Steve Henke, Clark County Health District, P.O. Box 3902 (625 Shadow Lane), Las Vegas, NV 89127  
Gloria Meiden, Callister & Reynolds, 863 S. Las Vegas Blvd., Las Vegas, NV 89101  
Michael Verrilli, Southwest Mobile Home Parks, Inc., 7450 Via Olivero Ave., Las Vegas, NV 89117  
David Phillips, C.E.M., Converse Environmental Consultants Southwest, Inc., 731 Pilot Rd., Suite H, Las Vegas, NV 89119-4429

ENSESARUSHANAICACSPISC.AVR



SEP-23-1999 12:13

1 702 486 2863

95%

P.03

**Kurt Goebel**

**From:** Al Rushanan [arushana.ndep-lv@ndep.carson-city.nv.us]  
**Sent:** Tuesday, November 09, 1999 1:46 PM  
**To:** kgoebel@convrs.com  
**Cc:** Hayden Bridwell  
**Subject:** Cactus Springs #8-000986

NDEP has reviewed the second and final semi-annual groundwater monitoring report (dated September 29, 1999) for the above facility, and concurs with the recommendations. In accordance with the June 11, 1998, NDEP letter to Fiesta Hat Company (the official case closure date), this site needs no further action. The wells may be properly abandoned.

A signed copy of this memo has been put in the case file.

