

GRCC



**KLEINFELDER**

*An employee owned company*

December 12, 2007  
File No 84679.4-ALB07LT001

Ms. Hope Monzeglio  
New Mexico Environment Department  
Hazardous Waste Bureau  
2905 Rodeo Park Drive East, Building 1  
Santa Fe, NM 87505

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

**Subject: Extension Request for Monitoring Well Installation Report  
Giant Refining Company, Gallup Refinery  
Gallup, New Mexico  
NMED ID # NMD000333211  
HWB-GRCC-07-001**

Dear Ms Monzeglio,

Kleinfelder West, Inc. (Kleinfelder), on behalf of Giant Refining Company (Giant), is submitting this confirmation notice that monitor wells KA-1, KA-2, and KA-3 will be replaced as discussed in the New Mexico Environment Department Hazardous Waste Bureau (NMED-HWB)'s October 15, 2007 letter to Giant. Details of the well installations are included below.

Kleinfelder, on behalf of Giant, also requests an extension of the December 31, 2007 date for the installation of monitoring wells to March 15, 2008, and an extension of the letter report summarizing field activities, well installation, and well logs from January 31 to April 15, 2008. As discussed at our meeting in your offices on October 24, 2007, an extension is requested to allow time for the completion of the Oil Water Separator liner installation. To date, the liner has been replaced in one bay of the oil water separator, but still needs to be installed in the second bay. Giant will notify NMED and OCD within one week of completion of all repair work and installation off liners at the NAPIS. Kleinfelder will give the NMED-HWB two weeks notice prior to start of drilling.

The proposed wells are being reinstalled in response to the NMED-HWB Notice of Disapproval dated October 15, 2007. Replacement well KA-3R will be installed approximately five feet away from the previously installed KA-3. The well will be installed with hollow stem auger drilling, with an outer casing/auger seated approximately 23 feet below ground surface to minimize the potential of downward migration of perched water into the unsaturated Chinle Formation. Based on the boring well log for KA-3, we estimate the top of the less fractured, dry to moist Chinle Formation to be at approximately 22 feet below ground surface. An inner drill rod and/or auger will continue to drill through to at total depth of 30.5 feet below grade, into dry strata. A 2-inch monitor will be set with a screened interval of approximately 25 to 30 feet below grade. Soil samples will not be collected for analysis. Kleinfelder will check for the presence of fluid in monitor well KA-3R daily while on site. Thereafter, Giant will check well KA-3 for the presence of fluid on a quarterly basis.

Replacement monitor wells KA-1R and KA-2R will be installed approximately five feet away from the previously installed wells KA-1 and KA-2, respectively. They will be installed to a depth

of approximately 14.5 feet below grade, with a screened interval of approximately four to 14 feet below grade. No soil samples will be collected for analysis.

Monitor wells KA-1R and KA-2R will be developed by manual bailing and surging. Groundwater samples will be collected from the wells within the two weeks of installation, and sampled for volatile organic compounds (VOCs) per EPA Method 8260, semivolatile organics (SVOCs) / polyaromatic hydrocarbons (PAH) per EPA Method 8310, total petroleum hydrocarbons (gasoline range organics, diesel-range organics, and motor oil-range organics) per EPA Method 8015B, and RCRA 8 metals per EPA Method 6010/7470.

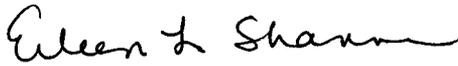
Giant will then sample KA-1R and KA-2R within 1 month, three months and thereafter on a quarterly basis for BTEX and MTBE per EPA Method 8021, total petroleum hydrocarbons (gasoline range organics, diesel-range organics, and motor oil-range organics) per EPA Method 8015B and general chemistry. Giant will submit laboratory test reports from each sampling event to NMED and OCD within 7 business days of receipt from the laboratory. Monitor well KA-3R will not be developed or sampled as it is intended to be installed in dry strata.

Monitor wells KA-1, KA-2, and KA-3 will be properly plugged and abandoned during the same mobilization that the replacement wells are installed.

This letter is to serve notice to the NMED-HWB that I am now the project manager for this site. A resume that summarizes my qualifications is attached. If you have any questions or need additional information, please call me at (505) 344-7373.

Respectfully submitted,  
**KLEINFELDER WEST, INC.**

**Reviewed by:**

  
Eileen L. Shannon, P.G.  
Project Manager

  
Fred T. Schelby, P.E.  
Environmental Department Manager

Attachment: Project Manager Resume

cc: Jim Lieb, Giant Refining Company  
Ed Reige, Giant Refining Company  
J. Bearzi, NMED-HWB  
J. Kieling, NMED-HWB  
D. Cobrain, NMED-HWB  
C. Frischkorn, NMED-HWB  
C. Chavez, NMOCD  
W. Price, NMOCD  
B. Powell, NMOCD Aztec Office

## **EILEEN SHANNON**

### **Project Manager**

#### ***Summary of Experience***

Ms Shannon has over 19 years of environmental experience, including 11 years of environmental consulting experience in New Mexico, Texas and Michigan. She has conducted numerous environmental audits, tank installation, removal, testing and remedial action activities. She is a Professional Geologist in the State of Texas (No. 5490) and was a New Mexico Certified Scientist (No. 22) from 1996 to 2003. Ms Shannon also has over eight years of city government experience with the City of Albuquerque. Prior to coming to work for Kleinfelder in August 2007, she worked for the City of Albuquerque Environmental Health Department as the Environmental Compliance Coordinator and as an Environmental Health Scientist. Duties at the City included program management of the City's petroleum storage tank program, the contracted hazardous waste program, and Environmental Health's groundwater monitoring program.

#### ***Education***

BA, Geology, Wittenberg University, 1983

#### ***Registrations***

Professional Geologist (P.G.), No.5490, Texas Board of Professional Geologists, TX

#### ***Professional Affiliations***

National Groundwater Association

#### ***Project Experience***

The following is a representative selection of Eileen Shannon's project experience.

#### **Corrective Action, Petroleum Storage Tank Sites**

*City Fleet Fuel Station Remediation, 4th Street Fuel Yards, City of Albuquerque, New Mexico - From 1996 To 1999*

Management through no further action of soil vapor/air sparge remediation site at City Fuel Yards. Activities included scheduling and reporting of system operation and maintenance, quarterly monitoring following system shut down, and system decommissioning. Assisted NMED with documentation of chlorinated solvent plume that crossed the site from an off site source.

*City Fleet Fuel Station Remediation, Transit Department, Yale Fuel Yards, City of Albuquerque, New Mexico - From 1998 To 2004*

Management through closure of soil vapor extraction system, confirmation soil borings, and preparation of an approved Tier I Risk Base Assessment

*Former Greyhound Bus Station, Albuquerque, New Mexico - From 2006 To 2007*

Oversight of replacement of monitor wells and proper abandonment of damaged wells that were inadvertently destroyed by City contractors during building demolition. Worked with NMED project manager to reduce number of wells that needed to be replaced, saving the City and the well owner installation and monitoring costs.

#### **Tank Compliance**

*Eastside Fuel Station, City of Albuquerque, New Mexico - From 2000 To 2001*

Oversaw design and installation of conventional fuel station (gasoline and diesel fuel) and modification of existing compressed natural gas (CNG) system. Construction of the new station in an unusual shaped available piece of land included demolition of existing unused sweeper shop garage, and relocation of utilities for surrounding buildings while maintaining service and allowing public access to surrounding buildings during construction.

*4th Street Fuel Station, City of Albuquerque, New Mexico - From 2004 To 2006*

Conducted oversight and design of a new compressed natural gas (CNG) fast-fill station for the City. A

separate project included oversight of E-85 conversion of existing tank system including replacement of piping, pumps, leak detectors and dispensers.

### **Site Investigations**

#### *Package Distribution Site, Lubbock, Texas - From 1994 To 1995*

Investigation of property adjacent to facility for potential expansion. A search of historical records and a chance meeting with a soon-to-be retired employee at one of the City offices, lead to photos documenting the location of a former caliche pit on the property that had likely been used for disposal of refuse.

#### *Retail Petroleum Sites, El Paso, Texas - From 1996 To 1997*

Managed a group project involving an initial Phase I Investigation which led to 27 MSA (Phase II) investigations. Investigations were initiated to bring sites with potential releases into the Texas Corrective Action Fund.

### **Groundwater Monitoring Program**

#### *Environmental Health Groundwater Monitoring Program, City of Albuquerque, New Mexico - From November 2006 to August 2007*

Program manager of regional City Groundwater monitoring program consisting of over 70 monitor wells. Duties included gauging and sample scheduling with City technicians and contractors, database (Aquachem) updating and validation, and report preparation. Monitor wells ranged from 25 wells at a former landfill, sampled quarterly to annually under Stage II Abatement requirements, 33 shallow wells located near former City landfills, and approximately 15 regional nested wells installed and sampled annually in conjunction with USGS.

#### *CERCLA-designated petroleum bulk storage facility, Albuquerque, New Mexico. - From February 1993 to December 1998*

Assisted with database development and management of data from a CERCLA-designated petroleum bulk storage facility. Database included over 500 soil boring and monitor wells, owned by numerous Responsible Parties. Responsibilities included assistance in preparation of comprehensive site assessment report documenting eleven years of activities at the site, preparation of quarterly monitoring reports, and development of geographical database for site and surrounding facilities.

#### *Project Manager, NMED State Lead and Responsible Party Sites - From August 2007 To December 2007*

Project manager for numerous New Mexico Environment Department Petroleum Storage Tank sites in the state lead and responsible party programs. Scope of work includes periodic groundwater monitoring, well abandonment, and confirmation soil borings Sites include North El Cerro Loop (KA Project Number 81604), Everready Lomas (KA Project Number 72783), and Hobbs City wells (KA Project Number 83358).

### **Seminars/Training**

*Environmental Aqueous Geochemistry.* Albuquerque, NM, Spring 2007, 8 hours

*Natural Attenuation for Remediation of Contaminated Sites.* San Francisco, CA March 1998, 16 hours

*Remediation Specialist Training.* Fluor Daniel GTI, Inc., Albuquerque, NM, January 1997, 78 hours

*ASTM Risk-based Corrective Action Seminar.* Columbus, OH, November 1996, 16 hours.

*IBM-PC Applications for Groundwater Pollution and Hydrology.* San Francisco, CA, August 1995, 47 hours

*Project Management Training.* Groundwater Technology, Inc., Dallas, TX, March 1992, 24 hours

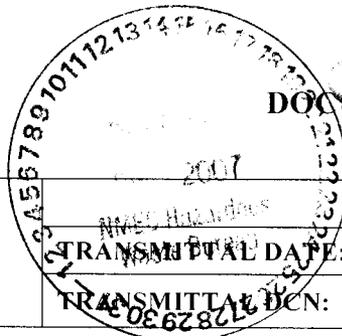
*Groundwater Pollution and Hydrology Short Course.* Princeton, NJ, August 1989, 40 hours.

*Natural Gas Fueling Station Education and Certification Course.* Las Vegas, NV, October 2000, 32 hours

*40-Hour Course per OSHA 29 CFR 1919.120.* 1990

*8-Hour Refresher Course per OSHA 29 CFR 1910.120.* Annually, 1991 to present

*8-Hour Supervisor Training per OSHA 29 CFR 1910.120.* 1995



<b>TO:</b> Ms. Hope Monzeglio NMED HWB 2905 Rodeo park Drive East, Building 1 Santa Fe, NM 87505	<b>PAGE</b>	1	<b>OF</b>	1
	<b>TRANSMITTAL DATE:</b>	12/12/07		
	<b>TRANSMITTAL DCN:</b>	84679.4-ALB07TS001		
<b>RETURN RESPONSES/COMMENTS TO:</b>	Eileen Shannon			
<b>RETURN RESPONSES/COMMENTS BY:</b>	12/26/07			

<b>PROJECT NO.:</b>	84679	<b>PROJECT NAME:</b>	Ciniza Refinery
<b>ACTIVITY/DESCRIPTION:</b>	Extension Request		

DOCUMENTS BEING TRANSMITTED				
ITEM	REV.	PAGES	DATE	DESIGNATOR
Extension Request for Monitoring Well Installation Report	0		12/12/07	84679.4-ALB07LT001

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