



Mark Parkinson, Governor
Roderick L. Bremby, Secretary

DEPARTMENT OF HEALTH
AND ENVIRONMENT

www.kdheks.gov

Division of Environment

October 27, 2010

CERTIFIED LETTER—RETURN RECEIPT REQUESTED

BER SCANNED

Ms. Dorothy Fleming
ANR Pipeline Company
717 Texas Street
Houston, Texas 77002

NOV 05 2010

**RE: NO FURTHER ACTION DETERMINATION FOR THE ANR GREENSBURG
COMPRESSOR STATION, KIOWA COUNTY, KANSAS**

Name of Voluntary Party: ANR Pipeline Company
Legal Description of Property: NE ¼, NE ¼, Section 16, T 28S, R 19W
Property Location: 5 miles West & 2 miles North, Greensburg, Kiowa County,
Kansas

Voluntary Agreement No. 07VCP0029

Dear Ms. Fleming,

The Kansas Department of Health and Environment (KDHE) has completed its review of the available documents as of October 27, 2010 for the subject property. Based on the information presented in the documents, mercury in soil was tested for at the subject property. The attached determination summary identifies the nature and status of the contamination detected.

KDHE has evaluated the available documents for the subject property and has determined that mercury-impacted soil was removed from the subject property and properly disposed of in a licensed landfill during the investigation. Remaining mercury impacting the subject property is present at levels that do not exceed the KDHE-approved risk-based cleanup levels and KDHE has determined that the contamination at the subject property does not pose a significant risk to human health or the environment. Therefore, pursuant to Kansas Statutes Annotated, K.S.A. 65-34-161 *et seq.*, KDHE declares that No Further Action is necessary at the subject property. This No Further Action determination is issued to ANR Pipeline Company and extends to its successors and assigns of the subject property. This determination is conditioned upon ANR Pipeline Company recording in the office of the Register of Deeds in and for Kiowa County, KDHE's determination summary presenting investigation results and subsequent conclusions regarding potential contaminant impact at the subject property, the enclosed legal map showing property boundaries and this letter containing KDHE's No Further Action determination. **An affidavit (form enclosed) indicating that the enclosures have been attached to the property deed must be returned to KDHE prior to termination of the voluntary agreement.**

NO FURTHER ACTION DETERMINATION LETTER

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KDHE's No Further Action determination applies only to the subject property as identified on the attached map and is based exclusively on information provided to KDHE through October 27, 2010. This determination pertains only to the identified known conditions on the subject property and does not account for activities that may be conducted at the subject property which could cause future releases of contaminants.

If you have any questions concerning KDHE's determination for no further action, please contact Project Manager, Andrea Schiller at (785) 296-0489 or legal counsel, Paul Marx at (785) 296-5334.

Sincerely,

John W. Mitchell

Roderick L. Bremby
Secretary

Acting

RLB/as

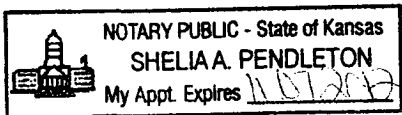
Attachments: KDHE No Further Action Determination Summary
Legal map showing property boundaries
Affidavit form

cc: Rick Bean > Jerry Lineback > Andrea Schiller > File (C1-049-72253, 2)
Paul Marx, KDHE-Legal
Al Guernsey > Wade Kleven, KDHE-SWDO

State of Kansas)
County of Shawnee)

This instrument was acknowledged before me on December 4, 2010 by
John W. Mitchell as Acting of the

Kansas Department of Health and Environment.



Shelia A. Pendleton

Notary Public

My appointment expires: 11/07/2012

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT
BUREAU OF ENVIRONMENTAL REMEDIATION
1000 SW Jackson, Suite 410
Phone: (785) 296-1673 Fax: (785) 296-7030

VOLUNTARY CLEANUP AND PROPERTY REDEVELOPMENT PROGRAM


NO FURTHER ACTION DETERMINATION SUMMARY

SUMMARY DATE: October 27, 2010

PROPERTY NAME: ANR Greensburg Compressor Station
5 miles West & 2 miles North of Greensburg
NE ¼, NE ¼, Section 16, T 28S, R 19W, Kiowa County, Kansas

PREPARED BY: Project Manager: Andrea Schiller Date: 10/27/10

REVIEWED BY: Unit Chief:  Date: 10-27-10

Section Chief:  Date: 10-27-10

CONTAMINANTS IDENTIFIED AT PROPERTY:

Soil: Mercury (CAS # 7439-97-6)

Groundwater: None

CONTAMINANTS EVALUATED AT PROPERTY:

Soil: Total Mercury (by EPA method 7471A)

Groundwater: None

The Greensburg Compressor Station (approximately 40 acres) is located 5 miles west and 2 miles north of Greensburg, Kiowa County, Kansas. The site has been used as a natural gas compressor station since 1950. Land use prior to 1950 was agricultural. The site consists of an office/warehouse, compressor building, garage, meter building, an auxiliary building, two former building foundations and the Gulf Nichols meter station. Surrounding land use is agricultural. According to the KGS Water Well database, two domestic wells and one irrigation well are located south-southwest of the facility.

The Greensburg Compressor Station was identified by ANR as having the potential for mercury impacts due to the historical use of mercury-containing manometers at the facility. To address these potential impacts, ANR enrolled the facility in the Voluntary Cleanup and Property

NO FURTHER ACTION DETERMINATION SUMMARY
Dorothy Fleming – ANR Greensburg Compressor Station property
October 27, 2010

Redevelopment Program (VCPRP) in February 2007. Voluntary Agreement 07VCP0029 was executed by the Secretary on May 23, 2007.

In April/May 2007, ANR conducted an investigation to evaluate the possible presence of mercury onsite. 222 soil borings (S001-S222) were completed around and within the onsite buildings. Soil samples were collected from the borings at 6-inch intervals from depths ranging from 0 to 2.0 feet. All samples were submitted to a laboratory for mercury analysis. Mercury concentrations ranged from non-detect to 54.8 mg/kg (S219 0-0.5 feet). Elevated mercury concentrations were noted around the meter building, compressor building, and the office/warehouse. Mercury vapor analysis, conducted throughout the site, did not indicate any vapor impacts.

Although located within the Greensburg facility, the Gulf Nichols meter station was assessed separately from the facility during the April/May 2007 investigation. Fourteen soil borings (S001-S014) were completed around the meter station and samples collected at 6-inch intervals from depths ranging from 0 to 2.0 feet. Detected mercury concentrations ranged from 0.21 mg/kg (S001 1.0-1.5 feet) to 517 mg/kg (S008 0.5-1.0 feet).

Although the facility was enrolled in the VCPRP at the time, the April/May 2007 assessment was conducted without KDHE's prior knowledge and a KDHE-approved work plan; therefore, replicate sampling was necessary to verify the data collected without KDHE oversight. Also, as delineation was not achieved during the previous phase of investigation, additional samples were needed. Replicate samples (S006R, S012R, S019R, S041R, S056R, S103R, S120R, S134R, S143R, S156R, S168R, S172R, S178R, S198R, S204R, S213R, and S219R) were collected in June/July 2009. Additional delineation samples (S600-S676 for the facility buildings and S015-S039 for the Gulf Nichols meter station) were also collected at 6-inch intervals from depths ranging from 2.0 to 4.5 feet. Random, non-biased (S500-S524) samples were also collected at 0-0.5 foot and 1.5-2.0 foot intervals throughout the property to provide adequate geographic coverage of the site.


Analytical results of the replicate samples appeared to verify the previous data and mercury was not detected in the random samples; however, horizontal and vertical delineation of mercury impacts was not completed for the areas around the meter building, compressor building, office/warehouse, and the Gulf Nichols meter station. Therefore, to achieve delineation in these areas, further characterization of the onsite mercury impacts was conducted through the excavation of the impacted soil. Approximately 146.5 cubic yards of impacted soil were removed from the site in December 2009 and January 2010 and were disposed of as special waste at the Seward County Landfill in Liberal, Kansas. Confirmation and verification samples collected from the excavated areas indicated no mercury impacts remained exceeding the residential Kansas Risk-based Standard (RSK) of 2 mg/kg.


NO FURTHER ACTION DETERMINATION SUMMARY
Dorothy Fleming – ANR Greensburg Compressor Station property
October 27, 2010

In summary, mercury impacts at the Greensburg Compressor Station have been adequately defined and addressed and no longer present a risk to human health and the environment. Detected mercury contamination exceeding the RSK was removed and properly disposed of during delineation. Remaining mercury impacts are below the residential soil RSK. Also, as outlined in BER Policy BER-RS-034 *Mercury Contamination Characterization at Gas Pipeline Sites*, groundwater was not encountered during the soil sampling or excavation; therefore, groundwater samples were not collected during the VCI. Furthermore, ANR has reportedly discontinued use of mercury-containing meters and currently, no mercury-containing meters are utilized onsite. Therefore, all requirements of the VCPRP have been met and a No Further Action has been issued for the site.

G:\2A-1\07.xx\TransCanada\PROGRAM\MERCURY\STATE\KS\MANAGE\NFA\MAPS\GREENSBURG\GREENSBURG.DWG [SITE] June 24, 2010 - 11:51am nancy.mcherson



SCALE
1IN. = 1000 FT.

(APPROXIMATE)

QUADRANGLE
LOCATION

KANSAS
MULLINVILLE, KANSAS
SOURCE: GOOGLE EARTH

PROJECT MANAGER
AJW

DRAWN BY
MS/NAM

DATE
6-24-2010

PROJECT NO.
71410.15

FIGURE
1

SITE MAP

GREENSBURG COMPRESSOR STATION
5 MILES W. OF GREENSBURG ON HWY. 54
TOWNSHIP: 28S, RANGE: 19W, SECTION 16
QUARTERS: NE 1/4, NE 1/4
KIOWA COUNTY, KANSAS

FOR
 **TransCanada**
ANR Pipeline Company

BY
 **GZA**
GeoEnvironmental, Inc.

This drawing and the information contained therein was prepared by and is the property of GZA GeoEnvironmental, Inc. It was prepared solely for the use on the specific project referenced. It was not intended or represented to be suitable or adequate for any other purpose or reused by the owner or others on any other project or facility. The drawing shall not be used except for the purpose which it was supplied and is subject to return on demand. All rights of invention are reserved.

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Oreensburg Sta "A"

WARRANTY DEED

KNOW ALL MEN BY THESE PRESENTS, that Gladys L. Church and E. Marlo Church, husband and wife, parties of the first part, in consideration of the sum of Nine Thousand Nine Hundred Fifty and no/100 (\$9,950.00) Dollars in hand paid, the receipt of which is hereby acknowledged, do hereby grant, bargain, sell, and convey unto the Michigan-Wisconsin Pipe Line Company, a Delaware corporation, party of the second part, the following-described real property and premises situated in the County of Kiowa, State of Kansas, to-wit:

The Northeast Quarter (NE $\frac{1}{4}$) of the Northeast Quarter (NE $\frac{1}{4}$) of Section 16, Township 28 South, Range 19 West of the 6th Principal Meridian, being 40 acres, more or less,

together with all the improvements thereon and the appurtenances thereunto belonging, and warrant the title to the same.

TO HAVE AND TO HOLD said premises unto the said party of the second part, its heirs and assigns, forever free, clear, and discharged of and from all former grants, charges, taxes, judgments, mortgages, and other liens and encumbrances of whatsoever nature.

SIGNED AND DELIVERED, this the 11th day of June, 1949.

Gladys L. Church
Gladys L. Church

E. Marlo Church
E. Marlo Church

"Parties of the First Part"

STATE OF KANSAS)
COUNTY OF BARTON) ss.

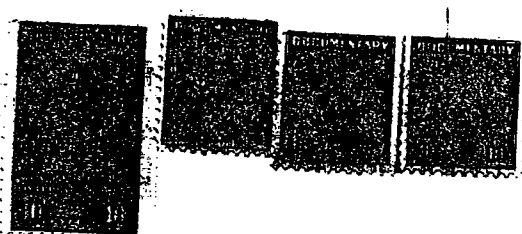
BE IT REMEMBERED that on this 11th day of June, 1949, before me, a notary public, personally appeared Gladys L. Church and E. Marlo Church, husband and wife, who are personally known to me, and known to me to be the same persons who executed the foregoing instrument, and such persons duly acknowledged the execution of the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year above written.

Mahala Ramage
Notary Public

My commission expires:

May 3, 1953



AFFIDAVIT

STATE OF KANSAS)
) SS:
COUNTY OF KIOWA)

COMES NOW, _____, an adult and after being duly sworn, state:

1. I am the person who made application to place the following property into the Voluntary Cleanup and Property Redevelopment Program:

40 acres
ANR Greensburg Compressor Station
5 miles west & 2 miles north of Greensburg, Kansas 67054
A Portion of NE ¼, NE ¼, Section 16, T 28S, R 19W, Kiowa County

2. I received a No Further Action Determination Letter and a No Further Action Determination Summary from the Kansas Department of Health and Environment (KDHE) regarding the above described property within the context of the Voluntary Cleanup and Property Redevelopment Program.

3. I had a map prepared of the above described property by *GZA GeoEnvironmental* and submitted the map to KDHE for approval.

4. On _____, _____, I filed the original No Further Action Determination Letter and No Further Action Determination Summary issued by KDHE and the KDHE approved property map with the Register of Deeds for the County in which the property is located.

Affiant

Subscribed and sworn to before me, a Notary Public for the above county and state on the _____ day of _____, _____.

Notary Public
My appointment expires on: _____, _____