



Mark Parkinson, Governor
John W. Mitchell, Acting Secretary

DEPARTMENT OF HEALTH
AND ENVIRONMENT

www.kdheks.gov

Division of Environment

November 17, 2010

CERTIFIED LETTER—RETURN RECEIPT REQUESTED

BER SCANNED

DEC 09 2010

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

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

Name of Voluntary Party: ANR Pipeline Company
Legal Description of Property: NE ¼, SE ¼, Section 21, T 34S, R 29W
Property Location: 28111 11 Road, Meade, Meade County, Kansas

Voluntary Agreement No. 07VCP0024

Dear Ms. Fleming,

The Kansas Department of Health and Environment (KDHE) has completed its review of the available documents as of November 17, 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 Meade 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

November 17, 2010

Page 2 of 2

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 November 17, 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
Acting Secretary

JWM/as

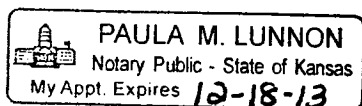
Attachments: KDHE No Further Action Determination Summary
Legal map showing property boundaries
Affidavit form

cc: Rick Bean > Jerry Lineback > Andrea Schiller > File (C1-060-72250, 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 7, 2010 by
John W. Mitchell as Acting Secretary of the
Kansas Department of Health and Environment.

Paula M. Lunn
Notary Public



My appointment expires: 12-18-13

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: November 17, 2010

PROPERTY NAME: ANR Meade Compressor Station
28111 11 Road, Meade
NE ¼, SE ¼, Section 21, T 34S, R 29W, Meade County, Kansas

PREPARED BY: Project Manager: Andrea Schiller Date: 11/17/10

REVIEWED BY: Unit Chief: [Signature] Date: 11-17-10

Section Chief: [Signature] Date: 11-18-10

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 Meade Compressor Station (approximately 45 acres) is located at 28111 11 Road, approximately 21 miles southwest of Meade, Meade 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, shop/warehouse, meter building, compressor building, an auxiliary building, and two building foundations (former community and former warehouse buildings). Surrounding land use is agricultural. According to the KGS Water Well database, one domestic well and an oil field supply well are located southwest and another oil field supply well is located east of the facility.

The Meade 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 Redevelopment Program (VCPRP) in February 2007. Voluntary Agreement 07VCP0024 was executed by the Secretary on

NO FURTHER ACTION DETERMINATION SUMMARY
Dorothy Fleming – ANR Meade Compressor Station property
November 17, 2010

May 23, 2007.

In March/April 2007, ANR conducted an investigation to evaluate the possible presence of mercury onsite. 292 soil borings (S001-S292) 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 433.0 mg/kg (S194 1.5-2.0 feet). Elevated mercury concentrations were noted around the meter building, compressor building, and the two building foundations. Mercury vapor analysis, conducted throughout the site, did not indicate any vapor impacts.

Although the facility was enrolled in the VCPRP at the time, the March/April 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 (S015R, S017R, S026R, S038R, S057R, S097R, S106R, S150R, S164R, and S205R) were collected in July 2009. Additional delineation samples (S300, S500-S525) were also collected at 6-inch intervals from depths ranging from 0.5 to 4.5 feet. Random, non-biased (S600-S621) 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 compressor and meter buildings. Therefore, to achieve delineation, further characterization of the onsite mercury impacts was conducted through the excavation of the impacted soil. Approximately 117.7 cubic yards of impacted soil were removed from the site in 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.

In summary, mercury impacts at the Meade 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.

SCALE

1 IN. = 1000 FT.



(APPROXIMATE)

QUADRANGLE
LOCATION



KANSAS

MEADE, KANSAS
SOURCE: GOOGLE EARTH



SITE MAP

MEADE COMPRESSOR STATION
28111 11 ROAD
TOWNSHIP: 34S, RANGE: 29W, SECTION 21
QUARTERS: NE 1/4, SE 1/4
MEADE COUNTY, KANSAS

FOR

 **TransCanada**
ANR Pipeline Company

BY

 **GZA**
GeoEnvironmental, Inc.

PROJECT MANAGER

AJW

DRAWN BY

MS/NAM

DATE

6-24-2010

PROJECT NO.

71410.15

FIGURE

1

GZA-107.dwg TransCanada\PROGRAM\MERCURY\STATE\KS\MANAGE\NFA\MAPS\MEADE\MEADE.DWG [SITE] June 24, 2010 - 11:59am nancy.mpherson

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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WARRANTY DEED

339557

KNOW ALL MEN BY THESE PRESENTS:

That L. E. NOLTING and LAURA HOLTZEN NOLTING, his wife, of Meade County, State of Kansas, Party of the First Part, in consideration of the sum of Three Thousand and no/100 (\$3,000.00) Dollars in hand paid, the receipt of which is hereby acknowledged, do hereby grant, bargain, sell and convey unto 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 Meade, State of Kansas, to wit:

The Northeast Quarter of the Southeast Quarter (NE/4 SE/4) of Section 21, Township 34 South, Range 29 West,

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

TO HAVE AND TO HOLD said described premises unto the said Party of the Second Part, its successors 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 8th day of May, 1950.

L. E. Nolting
L. E. Nolting

Laura Holtzen Nolting
Laura Holtzen Nolting

"Party of the First Part"

ACKNOWLEDGMENT

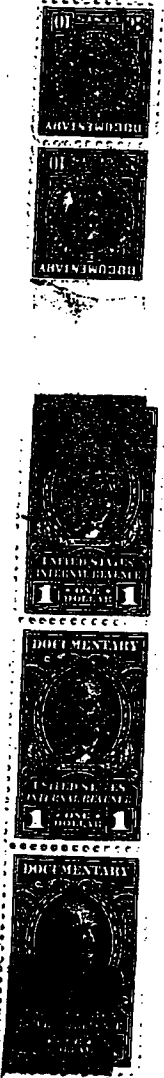
STATE OF KANSAS)
) SS
COUNTY OF MEADE)

BE IT REMEMBERED, That on this 8th day of May, 1950, before me, a Notary Public, personally appeared L. E. Nolting and Laura Holtzen Nolting, his 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.

(Seal)
My Commission Expires:
July 3 1951

Warren K. [Signature]
Notary Public



AFFIDAVIT

STATE OF KANSAS)
) SS:
COUNTY OF MEADE)

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:

45 acres
ANR Meade Compressor Station
28111 11 Road, Meade, Kansas 67864
A Portion of NE ¼, SE ¼, Section 21, T 34S, R 29W, Meade 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: _____, _____