

KANSAS GEOLOGICAL SURVEY

The University of Kansas
1930 Constant Ave
Lawrence KS 66047-3726
phone 785-864-3965
fax 785-864-5317
www.kgs.ku.edu

December 29, 2005

Ms. Cynthia A. Neitzel, P.E.
Terracon Consultants, Inc.
1815 South Eisenhower
Wichita, KS 67209

**RE: Permit Application Notification
Acme Industrial Landfill #765
Coffeyville, Montgomery County, Kansas
Terracon Project No. 01037100**

Dear Ms. Neitzel:

I have received your request for comment by the Kansas Geological Survey on environmental and geologic issues associated with the expansion of Acme Foundry Landfill near Coffeyville, Kansas. The landfill will receive industrial waste and is located E $\frac{1}{2}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 32 T34 S R17E

In a letter dated May 21, 2004, I commented on this site (see enclosed letter). Essentially, my concerns for this site remain as stated in that letter. I did reexamine the materials including: the U. S. Geological Survey Coffeyville East 7 $\frac{1}{2}$ minute quadrangle, the geologic map of Montgomery County (Bennison, 1996, Kansas Geological Survey Map M-44), the Geology and Ground-Water Resources of Montgomery County (O'Connor, 1974, Kansas Geological Survey Ground Water Series 1), the Industrial Mineral Producers database (<http://www.kgs.ku.edu/Magellan/Minerals/index.html>), and a 2002 orthophoto quad available at <http://gisdasc.kgs.ku.edu>. The proposed expansion is located in an area of disturbed land associated with quarry operations for limestone and clay/shale. It can be clearly seen on the orthophotos that the quarry contains water. The source of the water is unknown and could be either rain water or ground water. A concern that needs to be addressed is whether the water in the quarry is in communication with local groundwater and thus to Pumpkin Creek and to the Verdigris River. Additionally, flow through fractures in the limestone and overflow of the water from the ponds into surface streams may provide possible routes for contaminants out of the landfill/quarry area. It is important to protect ground and surface water resources from possible pollution related to this landfill operation. The Kansas Geological Survey recommends that regulations and recommendations of the Kansas Department of Health and Environment be followed.

The above discussion represents the information that the Kansas Geological Survey has on this proposed landfill site. Other geologic conditions, not discussed here, might affect the stability or safe operation of this landfill. The information provided in this letter is from regional (countywide) studies and should not be used as a substitute for detailed site characterization by a licensed geologist or engineer. It is the responsibility of the applicant to produce the detailed site characterization.

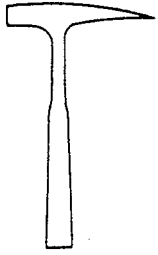
If you have any questions, please contact me at (785) 864-2194 or ohlmac@kgs.ku.edu.

Sincerely,

A handwritten signature in black ink, appearing to be 'G. Ohlmacher', written in a cursive style.

Gregory Ohlmacher
Associate Scientist

Enc.



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May 21, 2004

Ms. Catherine J. Rocky, P.G., I.E.
Terracon Consulting & Scientists
2111 West Henry Street
Wichita, KS 67213-3299

**RE: Permit Application Notification
Acme Industrial Landfill #765
Coffeyville, Montgomery County, Kansas
Terracon Project No. 01037100**

Dear Ms. Rocky:

I have received your request for comment by the Kansas Geological Survey on location demonstration, regulatory compliance, and human health, environmental, and cultural issues associated with the expansion of Acme Foundry Landfill near Coffeyville, Kansas. The landfill will receive industrial waste.

The Kansas Geological Survey was provided the location information including a public land survey location and a portion of a 1991 orthophoto quadrangle. Additionally, I gathered data from the Coffeyville East 7½ minute quadrangle, the geologic map of Montgomery County (Bennison, 1996, Kansas Geological Survey Map M-44), the Geology and Ground-Water Resources of Montgomery County (O'Connor, 1974, Kansas Geological Survey Ground Water Series 1), the Industrial Mineral Producers database (<http://www.kgs.ku.edu/Magellan/Minerals/index.html>), and a 2002 Orthophoto quad (enclosed). Examination of the orthophotos reveals the landfill and the proposed expansion are located in an area of disturbed land associated with quarry operations. The industrial minerals database lists an abandoned limestone mine and an active clay/shale mine at this location. It can be clearly seen on the orthophotos that the quarry contains water. The source of the water is unknown and could be either rain water or ground water. A concern that needs to be addressed is whether the water in the quarry is in communication with local groundwater and thus to the perennial stream south of the site and to the Verdigris River. The Kansas Geological Survey was not provided with information on the nature of the waste being placed at this site. Regardless, it is important to protect ground and surface water resources from possible pollution related to this landfill operation. The Kansas Geological Survey recommends that regulations and recommendations of the Kansas Department of Health and Environment be followed.

If you have any questions, please contact me at (785) 864-2194 or ohlmac@kgs.ku.edu.

Sincerely,

Gregory Ohlmacher
Associate Scientist

Enc. 2002 Orthophoto

December 8, 2005



Mr. Lee Allison
Kansas Geological Survey
University of Kansas
1930 Constant Avenue
Lawrence, KS 66047-3726

Terracon Consultants, Inc.
1815 South Eisenhower
Wichita, Kansas 67209
Phone 316.262.0171
Fax 316.262.6997
www.terracon.com

Re: Permit Application Notification
Acme Industrial Landfill #765
Coffeyville, Montgomery County, Kansas
Terracon Project No. 01037100

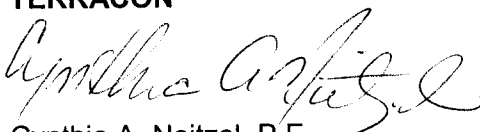
Dear Mr. Allison:

We have been retained by Acme Foundry Inc (Acme) to prepare an application for a proposed Industrial Waste Landfill expansion. One of the requirements is to check with several agencies to determine if they have any information about the proposed site.

The existing industrial landfill and the proposed expansion area are located in the E/2, SW/4, NW/4 of Section 32, Township 34 South, Range 17 East in Montgomery County. A Location Map (Figure 1) and Proposed Site Layout (Figure 2) are attached. We request a response from your agency indicating any issues you may be aware of regarding this proposed land use.

Thank you for your consideration in this matter. Please contact us if you need any further information for your review. We respectfully request an expedited review and response. Please call (316-262-0171) or fax (316-262-6997) us with results.

Sincerely,
TERRACON



Cynthia A. Neitzel, P.E.
Project Manager



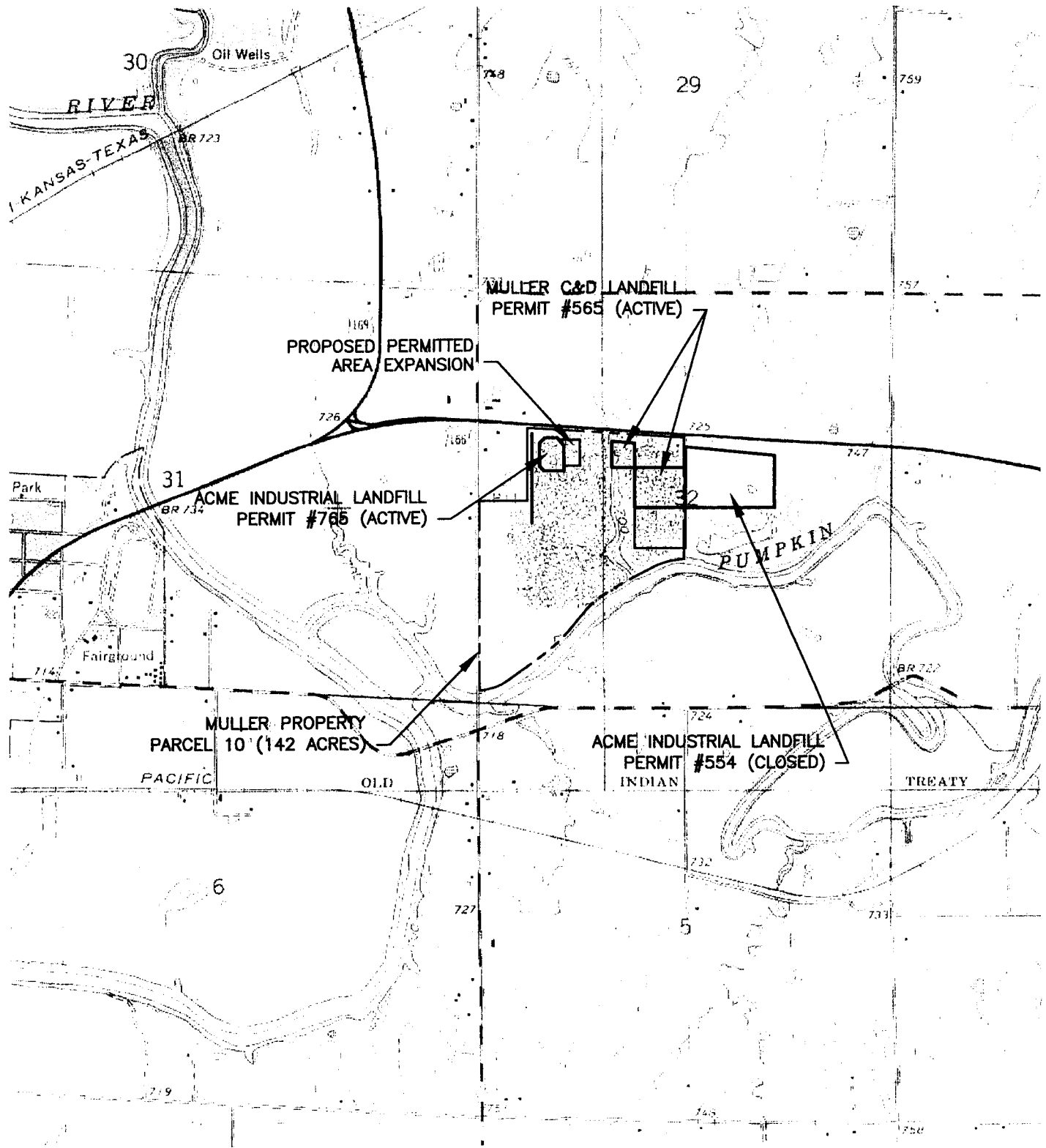
Catherine J. Rocky, P.G., I.E.
Senior Project Manager



Douglas A. Aldrich P.E.
Principal, Office Manager

Attachments

N:\ENV Projects\2003\01037100\Letters\Revised Location Demo Ltrs\ACMEpermitinforeqKGS.doc



APPROXIMATE SE/4 SW/4
NW/4 OF SECTION 32,
TOWNSHIP 34 SOUTH,
RANGE 17 EAST.



COFFEYVILLE EAST QUADRANGLE
KANSAS - CHEROKEE COUNTY
7.5 MINUTE SERIES (TOPOGRAPHIC)
1962 - PHOTO REVISED IN 1979

0 1,000' 2,000' 4,000'

MAP IS INTENDED FOR GENERAL USE ONLY. NOT FOR
CONSTRUCTION PURPOSES. LOCATIONS ARE APPROXIMATE

Terracon

1815 S. Eisenhower
Wichita, Kansas 67209
Tel: (316) 262-0171
Fax: (316) 262-6997

ACME FOUNDRY INDUSTRIAL LANDFILL

COFFEYVILLE, KANSAS

SHEET TITLE

LOCATION MAP

FIGURE 1

MARK	DATE	DESCRIPTION
PROJECT NO:	01037100	
CAD DWG FILE:	7100F1.DWG	
DRAWN BY:	BCB	
CHK'D BY:	CJR	
DATE:	11/19/03	

HIGHWAY 166

GRAVEL ROAD

EXISTING
INDUSTRIAL
LANDFILL

201

EAST EXPANSION
~4 ACRES

NOTE

TOPOGRAPHIC CONTOURS PROVIDED
BY PROFESSIONAL SURVEYING, INC.
TULSA, OKLAHOMA, SEPTEMBER 1997.

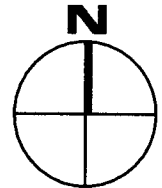
LEGEND

EXISTING GRADE CONTOURS ()
730 PROPOSED FINAL COVER GRADE

Terracon

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Tel: (316) 262-0171
Fax: (316) 262-6997

MAP IS INTENDED FOR GENERAL USE ONLY, NOT FOR
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0 50' 100'

LEGEND

NOTES

**ACME INDUSTRIAL
LANDFILL**

COFFEYVILLE, KANSAS

MARK	DATE	DESCRIPTION
PROJECT NO: 01037100		
CAD DWG FILE: 7100F2.DWG		
DRAWN BY: BCB		
CHK'D BY: CAN		
DATE: 11/23/05		

SHEET TITLE

**PROPOSED
SITE
LAYOUT**

FIGURE 2

PROPOSED APPROXIMATE WASTE LIMITS

**APPROXIMATE
STREAM BANKS
UNNAMED TRIBUTARY
TO PUMPKIN CREEK**

**APPROXIMATE
STREAM FLOW LINE
UNNAMED TRIBUTARY
TO PUMPKIN CREEK**

PUMPKIN CREEK

1997)
DE CONTOURS