

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 7, 2005

Mr. Randy Alewine, P. E.
The Stinson Environmental Group, L.L.C.
13410-L Santa Fe Drive
Lenexa, Kansas 66215

**Re: Permit Notification for Construction and Demolition Landfill
APAC—Reno Construction and Demolition Landfill; KDHE Permit #487
Johnson County, Kansas**

Dear Mr. Alewine,

I received your request for comment by the Kansas Geological Survey (KGS) on the proposed permit modification for the existing Construction & Demolition (C&D) Landfill for APAC-KS, Inc. in Johnson County. The proposed disposal area is located in the SE¼ of Section 18, T14S, R25E.

Your letter included a portion of the USGS Stilwell 7½-minute topographic map showing the location of the C&D Landfill expansion. Additionally, I examined a 2002 orthophotograph, a geologic map and report of Johnson County (O'Connor, 1971), and a report on caves (Young and Beard, 1993). The landfill site is within a limestone quarry mining the Pennsylvanian age Wyandotte Limestone. Caves, open joints, and sinkholes are reported in the Wyandotte Limestone in Johnson County. Since this unit is being removed as part of the quarry operations, land subsidence may not be an issue. However, a concern exists if construction and demolition waste is placed directly against the quarry highwall (the exposure of the Wyandotte Limestone in the quarry). Joints (fractures) in the limestone could potentially be pathways for leachate and contaminants away from the landfill. The Kansas Geological Survey has no knowledge of landslide or other geologic concerns at this landfill site.

O'Connor, H. G., 1971. Geology and Ground-water Resources of Johnson County, northeastern Kansas, Kansas Geological Survey Bulletin 203, 68 p.

Young, J. and Beard, J., 1993. Caves in Kansas, Kansas Geological Survey Educational Series 9, 47 p.

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 and statewide) studies and should NOT be used as a substitute

for detailed site characterization by a licensed geologist. It is the responsibility of the applicant to produce the detailed site characterization.

If you have any questions about my comments, feel free to contact me at (785) 864-2194 or ohlmac@kgs.ku.edu.

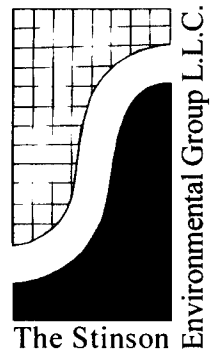
Sincerely,

A handwritten signature in black ink, appearing to read 'G. Ohlmacher', with a large, stylized loop at the end.

Gregory C. Ohlmacher, P.G.
Engineering Geologist

November 28, 2005

Mr. Greg Ohlmacher
Kansas Geological Survey
The University of Kansas
1930 Constant Avenue
Lawrence, KS 66047-3726



In Re: Permit Modification for Construction and Demolition Landfill
APAC – Reno Construction and Demolition Landfill; KDHE Permit No. 487
Johnson County, KS

Dear Mr. Ohlmacher:

The Stinson Environmental Group, LLC (SEG) is preparing a permit modification for an existing Construction and Demolition Landfill for APAC-KS, Inc. in Johnson County, KS. The Kansas Department of Health and Environment (KDHE), Bureau of Waste Management (BWM), requests we notify the agencies listed (item 10, p. 2 of attachment) and ask if they have any comments relative to regulatory compliance or human, health, environmental, and cultural resource issues regarding the permit modification. Pages 1 & 2 only are shown but the entire application may be found on the KDHE/ BWM web page.

The enclosed maps show the location of the proposed facility at Township 14S, Range 25E, and southeast ¼ of Section 18 or at 7100 W. 167th Street at the northeast corner of Highway 69 and 167th Street in Overland Park, Kansas.

The permit modification is to increase the landfill to an estimated 80 acres. This permit modification has not been reviewed by BWM but your comments are requested in accordance with BWM policy before the formal permit modification can be submitted to KDHE for review. Do not hesitate to call me if you have any questions about the site or its operation. Additional information is available upon request.

Thank you for your time and assistance in your review.

Sincerely,

A handwritten signature in black ink, appearing to read 'R. Alewine'.

Randy Alewine, P.E.
Sr. Project Manager

Enclosures

xc: APAC-KS, Inc.



KANSAS

RODERICK L. BREMBY, SECRETARY

DEPARTMENT OF HEALTH AND ENVIRONMENT

KATHLEEN SEBELIUS, GOVERNOR

APPLICATION FOR SOLID WASTE LANDFILL PERMIT

I. Applicant information:

Applicant's name _____
Mailing address _____
(Street Address) (City & State) (Zip)
Person to contact _____ Title _____
Telephone (_____) _____ Fax (_____) _____
E-mail address _____

Entity type (check one):

____ Federal Agency ____ County ____ Business
____ State Agency ____ City ____ Individual
____ Township ____ Other _____

II. Site information:

Facility name _____
Physical address _____
(Street Address) (City & State) (Zip)
____ County
____ 1/4 of the, ____ 1/4 of the, ____ 1/4 of, Section _____, Township _____, Range _____

In the following table, fill in *total* areas and capacities (not just *remaining* values). "Existing" parameters should match the existing landfill permit and approved plans for an existing facility; or for a new facility leave the "existing" columns blank.

Parameters	Existing			Proposed		
Property area (acres)						
Landfill types	MSW	Ind.	C&D	MSW	Ind.	C&D
Disposal area (acres)						
Capacity (tons)						
Capacity (cubic yards)						
Capacity (years)						

III. Type of application (check one):

____ New permit
____ Modification* of an existing permit
____ Transfer** of an existing permit

MSW = municipal solid waste landfill (see K.S.A. 65-3402(cc))
Ind. = industrial waste (see K.S.A. 65-3402(x)) landfill; also
includes waste tire monofills and asbestos monofills
C&D = construction and demolition landfill (see K.S.A. 65-3402(v))
* / ** See notes on page 2

DIVISION OF ENVIRONMENT
Bureau of Waste Management

CURTIS STATE OFFICE BUILDING, 1000 SW JACKSON ST., STE. 320, TOPEKA, KS 66612-1366
Voice 785-296-1800 Fax 785-296-1592 <http://www.kdhe.state.ks.us/waste>

1 of 10

Application for Solid Waste Landfill Permit

☐ Leaching tests

Required for industrial landfills when the waste characterization identifies constituents that pose a risk to groundwater quality.

Submit leaching test results using an EPA or ASTM method that most closely simulates the landfill environment.

☐ Hydrogeologic investigation (see K.A.R. 28-29-104(b))

Required for all municipal solid waste landfills, and required for industrial landfills used for disposal of non-inert waste.

Hydrogeologic reports may be submitted prior to submission of this application form.

☐ Request for Location Demonstration Information Regarding Distance from the Nearest Intake Point of a Public Surface Water Supply System[†]

☐ Location demonstrations (see K.A.R. 28-29-23(d), 102, 302, and Policy 02-02)

→ ☐ Agency notifications and requests for comments

- ☐ Kansas Biological Survey
- ☐ Kansas Corporation Commission
- ☐ Kansas Department of Agriculture - Division of Water Resources
- ☐ Kansas Department of Wildlife and Parks
- ☐ Kansas Geological Survey
- ☐ Kansas State Conservation Commission
- ☐ Kansas State Historical Society
- ☐ Kansas Water Office
- ☐ U.S. Department of the Army - Corps of Engineers
- ☐ Other _____

Input from other agencies may be required.

☐ Map and description of abutting properties including location and land use, names and mailing addresses of property owners. If the proposed site is adjacent to a public road, include property across the road.

☐ Design drawings and calculations (see K.A.R. 28-29-6, 23, 103, 104, 304, 325)

☐ Groundwater monitoring plans and reports (see K.A.R. 28-29-111 through 113)

Required for all municipal solid waste landfills, and required for industrial landfills used for disposal of non-inert waste.

Groundwater monitoring plans and reports may be submitted separate from this application form.

☐ Operations plan (see K.A.R. 28-29-23, 108, 308, 325)

☐ Closure and post-closure plans (see K.A.R. 28-29-12, 121, 304, 321, 325)

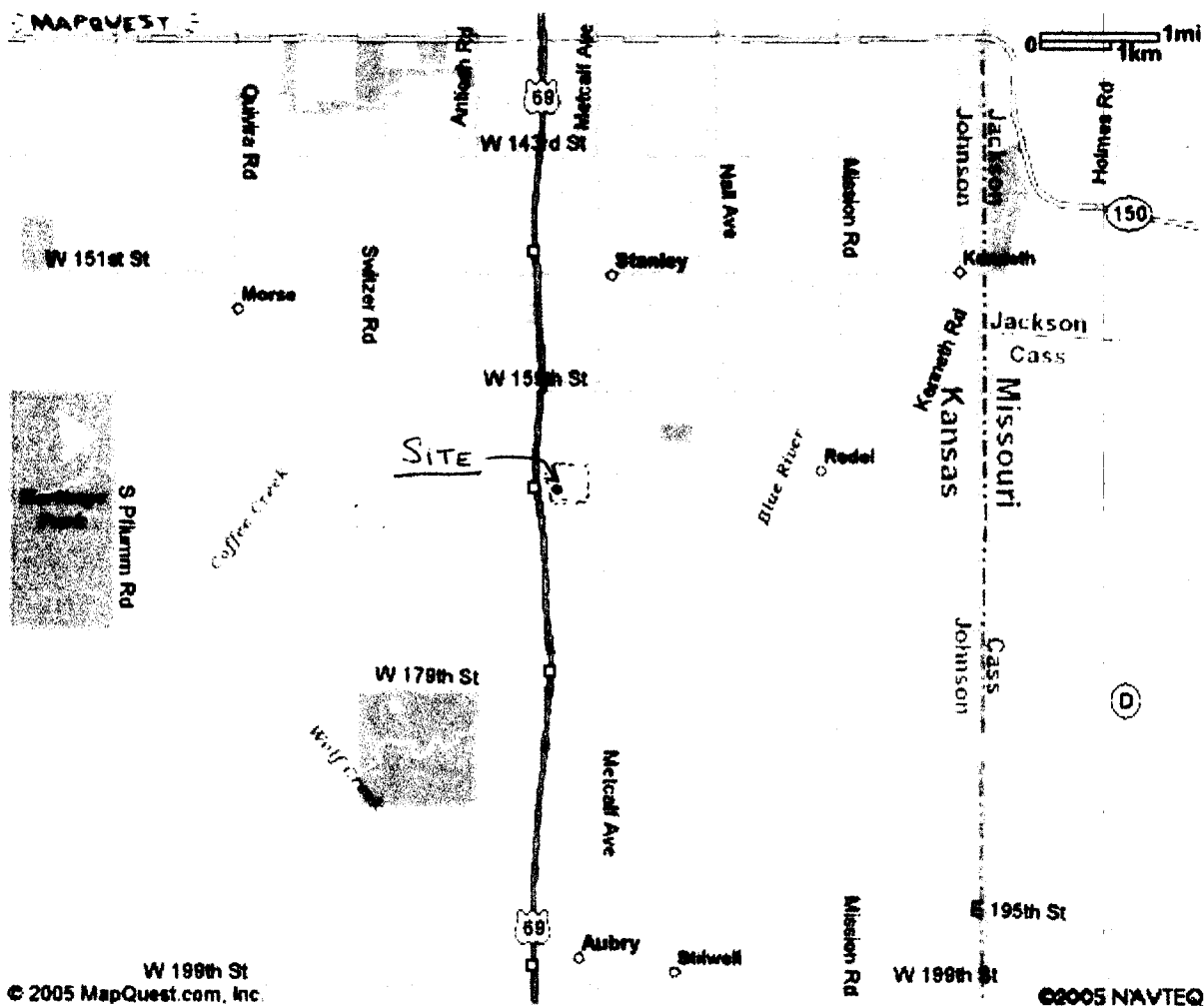
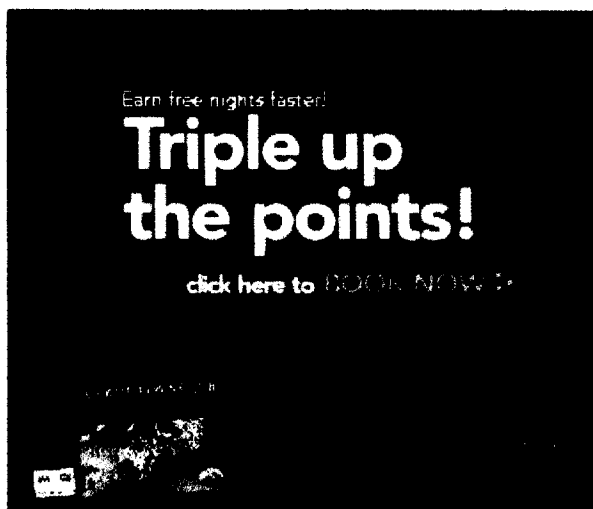
☐ Closure, post-closure, and estimated life worksheets[†]

MAPQUEST

7100
[9900-10299] W 167th St
Stanley, Olathe KS
Ide 28366062 US

Notes:

APAC-Reno C & D Landfill
Site Location Map



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USGS 34 km S of Kansas City, Missouri, United States 01 Jul 1981

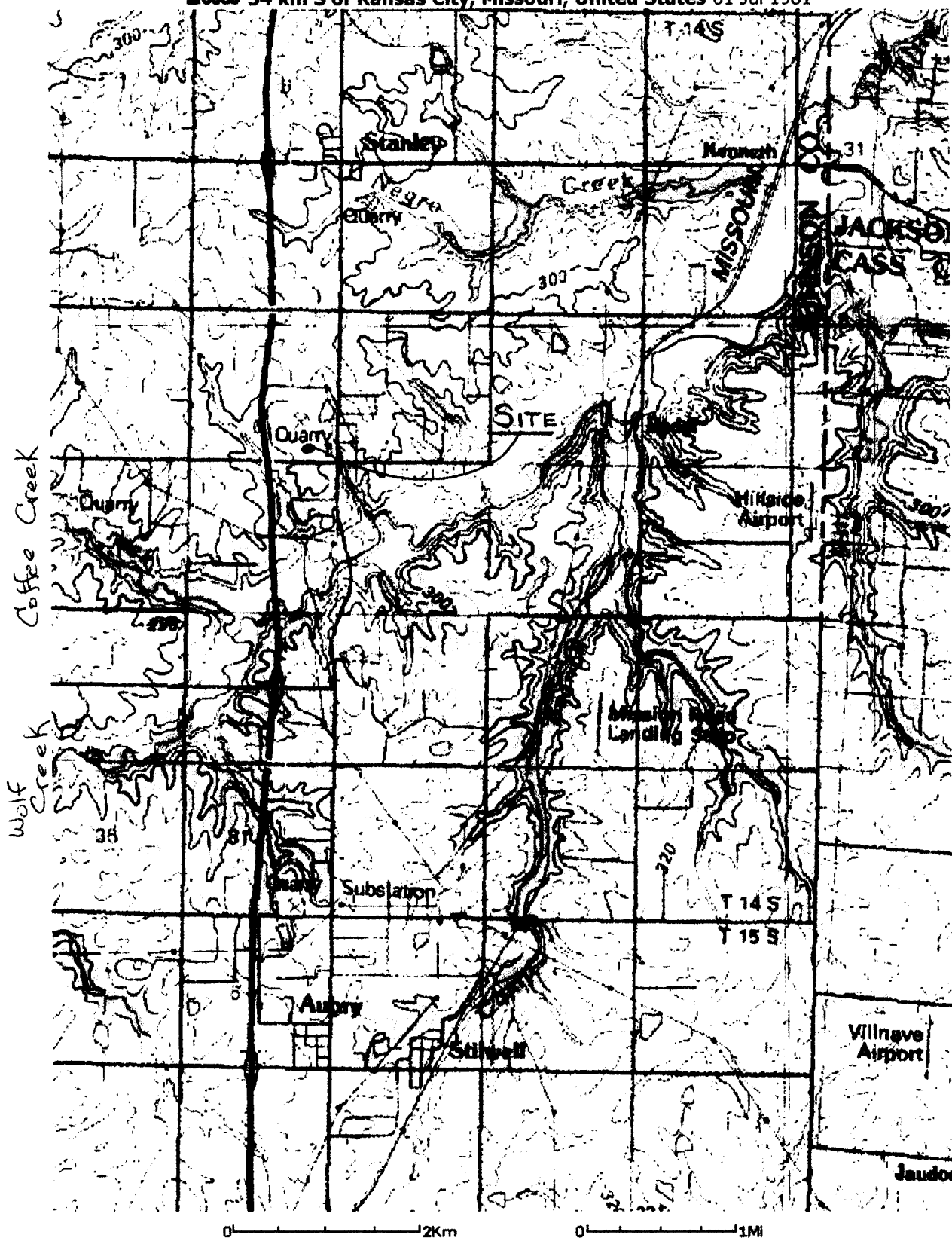


Image courtesy of the U.S. Geological Survey

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APAK - Reno C4D Landfill
Area Topographic Map