



University of Wisconsin-Extension

Geological and Natural History Survey

3817 Mineral Point Road • Madison, WI 53705-5100

TELEPHONE 608/262.1705 • FAX 608/262.8086

January 7, 1994

Sing Choy Chin, P.E.
MSA - Mid-States Associates, Inc
1230 South Blvd
Baraboo, WI 53913

Dear Mr. Chin,

In your letter of January 4, 1994, you request assistance in evaluating faults area, seismic impact zones, and unstable area with respect to RCRA evaluation in NW 1/4, Sec. 13, T. 18 N., R. 5 E., Town of Strongs Prairie, Adams County.

1. Fault area:

On the basis of geology field work by the Geological and Natural History Survey in Adams County (Information Circular 59), we have identified no faults of Holocene age in the area.

2. Seismic Impact Zone:

Upon examination of Plate 3 (Preliminary map of horizontal acceleration (expressed as percent of gravity) in rock with 90 percent probability of not being exceed in 250 years) in S.T. Algermissen, D.M. Perkins, P.C. Thienhaus, S.L. Hanson, and B.L. Bender (1982) Probabilistic estimates of maximum acceleration and velocity and velocity in rock in the continuous Unites States: U.S. Geological Survey Open-file Report 82-1033, 99 p., I have determined that all of Wisconsin falls within a zone identified as being between and 5 and 9 percent horizontal acceleration.

3. Unstable area:

I have made no evaluation of unstable areas. That can only be determined by actual site analysis and where appropriate testing of the surficial material.

Respectfully,

A handwritten signature in cursive script, reading "Mike Mudrey".

Dr. M.G. Mudrey, Jr.
Geologist