

MINNESOTA GEOLOGICAL SURVEY COUNTY GEOLOGIC ATLAS PROGRAM

County geologic atlases provide information essential to sustainable management of ground water resources, for applications such as monitoring, water allocation, permitting, remediation, and well construction. They define aquifer properties and boundaries, as well as the connection of aquifers to the land surface and to surface water resources. They also provide a broad range of information on county geology, mineral resources (including construction materials), and natural history.

A complete atlas consists of a Part A prepared by Minnesota Geological Survey (MGS) that includes the water well database and 1:100,000 scale geologic maps showing properties and distribution of sediments and rocks in the subsurface, and a Part B constructed by the [Department of Natural Resources \(DNR\)](#) that includes maps of water levels in aquifers, direction of groundwater flow, water chemistry, and sensitivity to pollution. Atlases are usually initiated by a request from a county and an offer to co-fund or provide in-kind service. MGS is committed to the expeditious completion and periodic updating of atlases statewide.

In the update of the Hennepin County geologic atlas the MGS is working with Gil Gabanski of the Environment and Energy department -- [612-348-4843](tel:612-348-4843); gilbertgabanski@hennepin.us

The MGS is proposing as part of the county atlas mapping to drill a scientific core hole in Pleasant Park to investigate the unique geology underlying Tonka Bay. The hole would be drilled in December when the ground is frozen to prevent damage by the heavy equipment. The hole should take from 3 to 4 days of drilling and would be immediately sealed upon completion according to state health department regulations.

The city of Tonka Bay would be listed as an additional insured on the drilling contractor's liability insurance policy. The following are the legal and insurance requirements for the contractor:

The successful bidder agrees to defend, indemnify and hold harmless the Regents of the University of Minnesota and landowners from any and all expenses, demands, and claims for damage, death or bodily injury (including personal injury) to persons, or damage or destruction to property arising from any actual or alleged act or omission, negligence or wrongdoing of the successful bidder, its officers, agents, representative, employees or volunteers during the performance of any phase of its duties under this Purchase Order Agreement.

The successful bidder will provide certificates of insurance evidencing the following coverage's which must include contractual liability specifically covering the hold-harmless and indemnification agreement set forth immediately above:

COMMERCIAL GENERAL LIABILITY

Each Occurrence	\$5,000,000	
Products/Completed Operations Aggregate		\$5,000,000
General Aggregate – Per Project		\$5,000,000

Including the following coverages:

Premises and Operations/Products & Completed Operations

Personal Injury and Advertising Injury

Contractual Liability as provided in ISO Form CG 00 01 12 04 or equivalent

Pollution exclusion with standard exception per ISO Form CG 00 01 12 04 or equivalent

Waiver of Subrogation in favor of the Owner

Coverage is Primary and Non-Contributory

Regents of the University of Minnesota and landowners included as an Additional

Insured for ongoing and completed operations per ISO Forms CG 20 10 07 04 and CG 20

37 07 04 or equivalent

AUTOMOBILE LIABILITY

Combined Single Limit – Bodily Injury/Property Damage	\$5,000,000
Owned, hired and non-owned Autos	
Waiver of Subrogation in favor of the Owner	

WORKERS COMENSATION/EMPLOYERS LIABILITY

Workers Compensation	Statutory
All States Coverage	
USL&H and Voluntary Compensation, if applicable	
Employers Liability	
Each Accident	\$5,000,000
Disease – Policy Limit	\$5,000,000
Disease – Each Employee	\$5,000,000

CONTRACTOR'S POLLUTION LIABILITY

Each Occurrence or Claim/Aggregate	\$2,000,000
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PROFESSIONAL LIABILITY/ERRORS & OMISSIONS, if applicable

Each Occurrence or Claim / Aggregate	\$2,000,000
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BUILDER'S RISK

Coverage of University Deductible	\$500,000
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