


United States Nuclear Regulatory Commission Official Hearing Exhibit	
In the Matter of:	SHINE MEDICAL TECHNOLOGIES, INC. (Medical Radioisotope Production Facility) Commission Mandatory Hearing
	Docket #: 05000608 Exhibit #: SHN-012-MA-CM01 Admitted: 12/15/2015 Rejected: Other:
	Identified: 12/15/2015 Withdrawn: Stricken:



Resumé

THOMAS KRZEWINSKI



Golder Associates Inc.

Principal and Senior Geotechnical Engineer

Mr. Krzewinski is an internationally recognized expert in the field of Cold Regions Geotechnical Engineering, with over 40 years of experience. He has considerable experience with geotechnical engineering investigations, earthquake engineering, geo-hazards evaluations, laboratory testing and facility/infrastructure design projects for heavily loaded foundations. He is familiar with geotechnical conditions throughout the Northern Reaches of North America. His experience includes work on large infrastructure and industrial development projects such as the Trans Alaska Pipeline System (TAPS), the Red Dog Mine in Northwestern Alaska, many transportation infrastructure projects, railroad facilities, and hundreds of structures and earth embankments.

Education

*B.S. Civil Engineering,
University of Minnesota,
Minneapolis, Minnesota,
1972*

*Graduate Studies of Soils
Engineering, Materials
Engineering and Geology,
University of Minnesota,
Minneapolis, Minnesota*

*Graduate Studies in Arctic
Engineering and
Earthquake Engineering,
University of Alaska,
Anchorage, Alaska*

Certifications

*Professional Engineer,
Alaska, CE-4721*

*Professional Engineer,
Washington, 18137*

*Professional Engineer,
Minnesota, 18391*

*Professional Engineer,
Wisconsin, E-24946*

Employment

Golder Associates – Anchorage, Alaska

Principal and Senior Geotechnical Engineering Consultant (2002 to Present)

Responsible for geotechnical and environmental project development and senior technical oversight.

SHINE Project Role

Mr. Krzewinski was the project director overseeing all services provided in support of site development and evaluation of technical constraints for the SHINE Medical Technologies (SHINE) proposed medical isotope production facility in Janesville, Wisconsin. Services provided included geological, geotechnical, hydrological, seismic and earthquake engineering relative to facility siting and design. The investigative work at the proposed site included performing a site reconnaissance, a hydrological investigation and a geotechnical investigation. The site reconnaissance was performed to observe and delineate potential geohazards. The geotechnical investigation involved drilling 15 boreholes including ten geotechnical boreholes, installing four groundwater monitoring wells, and a 100 foot deep cased borehole for Vertical Seismic Profile (VSP) testing. Groundwater monitoring and water quality testing were also completed on site.

Related Experience

Road and Rail Extension, Port of Anchorage, Alaska

Project Director and Senior Technical Reviewer for the extension of road and rail improvements at the base of the bluffs east of the Port. Work included evaluation of the bluff stability and impact on existing landslides, seismic slope stability and liquefaction potential, and development of concepts to stabilize slopes and control seepage and aufeis. Also developed designs for the subgrade stabilization to support the proposed road and rail embankments.

Essential Health – St Mary’s Medical Center, Duluth, Minnesota

Project Director and Lead Geotechnical Engineer for several expansions to the regional medical facility in Duluth Minnesota. Services included geotechnical investigations and geotechnical engineering evaluations for design and construction of additions to the facility including parking ramps, skyways, new wings, and complexes for housing doctor’s offices and specialized testing services.

