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# WILLIAMS & ASSOCIATES, INC.

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Hydrogeology • **WM DOCKET CONTROL CENTER** • Mineral Resources Waste Management • Geological Engineering • Mine Hydrology

'87 MAY 18 A11:47

May 18, 1987

Contract No. NRC-02-85-008

Fin No. D-1020

Ms. Mary Little  
Division of Contracts  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Mary:

This letter constitutes a request to add Mr. Tom Lachmar to our team on our NRC hydrogeological assistance contract No. NRC-02-85-008. Mr. Lachmar is a professional in the field of hydrogeology as can be seen by his resume which we have attached to this letter. He has several years of experience working in the field of hydrogeology as well as an extensive education background in the earth sciences. I am requesting that he be added to the team in order to increase our expertise. His rate would be \$17/hour.

If you approve this request, please let me know.

Sincerely,

*Roy E Williams*

Roy E. Williams  
President

REW:sl

LEE: Jeff Pohle

enclosure

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D-1020 PDR

WM-RES  
WM Record File  
D1020  
WEA

WM Project 10/16  
Docket No. 1/1  
PDR: 1/1  
LPDR: 1/1

Distribution:

J. Pohle

87238993

WM Project: WM-10,11,16

PDR yes

(Return to WM, 623-SS)

WM Record File: D1020

LPDR yes

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## RESUME

THOMAS E. LACHMAR

### EDUCATION

- 1975 University of California, Davis, California  
Degree: B.S. Geology  
Awarded departmental citation as outstanding undergraduate in geology for 1975.
- 1977 Purdue University, West Lafayette, Indiana  
Degree: M.S. Geosciences
- 1987 University of Idaho, Moscow, Idaho  
Degree: Ph.D. Geology (Hydrogeology) (in progress)  
Program: Dissertation concerned with fracture-flow hydrology and acid-water abatement in an underground hard-rock mine.

### EMPLOYMENT

- 1984 Research and Instructional Assistant,  
to present University of Idaho, Moscow, Idaho.  
Responsible for planning, carrying out, analyzing data from and preparing a comprehensive document on an innovative field investigation into the flow of ground water through fractured crystalline rock, particularly as it applies to abatement of acid production in abandoned underground mines. Also responsible for all aspects of instructing graduate course in ground water hydrology, including preparing and presenting lectures, preparing and grading assignments and examinations, and helping students outside of class.
- 1981-1983 Hydrologist,  
Golder Associates, Seattle, Washington.  
Responsible for all technical aspects of geohydrologic investigations related to geotechnical, civil and mining projects, including: writing proposals; planning, carrying out, and analyzing data from field and office investigations; and writing

reports. Projects included monitoring and analysis of ground water hydrology and quality at a proposed molybdenum mine; assessment of the environmental impacts on the ground water system of various basing modes for the MX missile; evaluation of the hydrologic suitabilities of prospective high-level nuclear waste repositories; determination of the feasibility for slope depressurization at a proposed open-pit copper mine; development of a water supply for an underground silver-lead-zinc mine; ground water quality monitoring at a landfill and for a sludge utilization program at a surface coal mine; and determination of aquifer characteristics beneath a proposed nuclear power plant site.

1977-1978

Hydrogeologist  
Hydro-Search, Inc. Reno, Nevada.  
Responsible for all technical aspects of hydrogeologic investigations related to water supply, mine dewatering and ground water degradation. Projects included: the development of water supplies for a resort community, a placer gold mine, and an underground silver mine; development of dewatering schemes for a surface coal mine, and underground gold and silver mines; and monitoring ground water quality around uranium mines, mills, tailings ponds and pipelines, and a gold/cyanide tailings pond.

1975-1977

Teaching Assistant,  
Purdue University, West Lafayette, Indiana.  
Instructed laboratory sections of undergraduate and graduate courses in historical geology, hand specimen petrology, geomorphology, and air photo and remote sensing interpretation.