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To:	Steve Pullen	**Date:**	December 3, 1999
From:	Leah Wolf	**Reference:**	
Fax No:	505-827-1544	**Charged Amt:**	
Subject:	Triassic Park Facility	**No. of Pages:** (including cover)	5

Steve,

Attached is the resume of Dr. Eileen Poeter, a Professor at the Colorado School of Mines and Co-Director of the International Ground Water Modeling Center (IGWMC). Eileen has agreed to help us resolve the issues regarding input parameters, and we feel she would be able to provide impartial, educated information. I will also e-mail lists of her publications, presentations, and previous consulting projects. Please let us know your feelings about this suggestion early Monday.

Thank you,

Leah Wolf

If you do not receive all pages, or if there are any problems with this transmission, please call 970-879-6260

Eileen P. Poeter

Contact Information

- Eileen P. Poeter, Ph.D., P.E.
- Department of Geology and Geological Engineering
- Colorado School of Mines
- Golden, CO 80401
- USA
- Phone: (303) 273-3829
- Fax: (303) 273-3859
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- Curriculum Vitae

Research Interests

- Characterization of Subsurface Heterogeneity and its Influence on Ground Water Flow and Transport
- Data Fusion
- Geostatistical Simulation
- Ground Water Flow and Transport Modeling
- Inverse Modeling
- Uncertainty Evaluation
- Publications, Presentations, and Software

Current Projects

- Development of UCODE software (public domain) to facilitate inversion of, and uncertainty associated with, computer models, particularly models of ground-water flow and transport.
- Development of UNCERT software (public domain) to facilitate evaluation of uncertainty of subsurface character and the associated uncertainty of ground-water flow and transport.
- Incorporation of soft data analysis in the US Army Groundwater Modeling System GMS.
- Interdisciplinary Assessment of the Occurrence of Metals in Ground Water.

Teaching Interests

- Groundwater Hydrogeology
- Groundwater Engineering
- Groundwater Flow and Transport Modeling

Course Material

- GEGN583-483
- GEGN467

August 1999

Curriculum Vitae

Dr. Eileen P. Poeter
Geology and Geological Engineering Department
Colorado School of Mines
1500 Illinois St.
Golden, Colorado 80401
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e-mail: epoeter@mines.edu

Education:

Ph.D. Washington State University, 1980; Engineering Science
M.S. Washington State University, 1978; Engineering
B.S. Lehigh University, 1975; Geology

Employment History:

1987-Present, **Colorado School of Mines**, Golden, Colorado
Professor: Responsible for senior and graduate level instruction and research programs in groundwater. Emphasis is in the areas of groundwater modeling and parameter estimation. A number of current projects involve research in identification and characterization of aquifer heterogeneities using a variety of hydraulic and geophysical techniques. Other projects involve simulation of ground-water flow and contaminant transport in heterogeneous aquifers. (Assistant Professor 1987, Associate Professor 1991, Professor 1996)
Co-Director International Ground Water Modeling Center (IGWMC): Primary responsibility for managing and guiding the center in its mission to stimulate the appropriate use of simulation models and related computer-based support technology in the management and protection of groundwater resources.

1984-1987, **Washington State University**, Pullman, Washington

Assistant Professor: Responsible for senior and graduate level instruction and research programs in the fields of groundwater and geophysics. Emphasis was in the areas of borehole geophysics and groundwater modeling. Projects included research in the nature of full acoustic waveforms in fracture media, investigation of groundwater contributions to phosphorus loading of lakes and geohydrologic and borehole geophysical studies of hazardous waste sites and potential high level nuclear waste disposal sites.

1980-1984, **Golder Associates - Senior Hydrologist**: Involved in all phases of hydrologic, geohydrologic and borehole geophysical studies and specialized in computer modeling. Managed a large project to assess geohydrologic conditions at seven potential high level nuclear waste repository sites in salt environments. Served as lead hydrologist on a large project to establish a methodology for studying, and to study the design and performance of engineered barriers for deep geologic nuclear waste repositories at three specific sites. Other projects involved analytical and numerical modeling evaluations of pump tests; tailings pond seepage; mine water inflow; dewatering for foundations and slope stability; design of storm drainage systems, landfill closures and dewatering systems; and coupled heat and groundwater flow in the vicinity of deep geologic repositories for high level nuclear waste. Responsibilities also included the continued development, maintenance, marketing and user support of the Golder Groundwater Package computer software. This included conducting information seminars and short courses on the application of the software to groundwater modeling problems.

(Hydrologist 1980, Senior Hydrologist 1983)

1980, **Washington State University - Research Technician**: Traveled to field sites, recorded geophysical logs, and performed preliminary interpretations on site. Interpretations provided information pertinent to construction and development of water wells.

1976 1980, **Washington State University**, Pullman, Washington

Research Assistant: Responsible for interpretation and correlation of geophysical logs, mathematical modeling of radiation processes involved in nuclear logging, computer programming of mathematical models and designing calibration tanks for logging tools.

Courses Taught:

Geohydrology
Groundwater Project Design
Mathematical Modeling of Groundwater Systems
Advanced Groundwater Modeling
Inverse Ground-water Modeling
Inversion of Groundwater Models using UCODE
Ground-Water Model Problem Solving and Internship
Dynamics of Groundwater Contamination
Geophysical Engineering
Engineering Practices Introductory Course Sequence
Honors Program - Senior Seminar
Introduction in Groundwater Modeling - Short Course (International Groundwater Modeling Center)

Registrations:

Professional Engineer, No. 25286, Colorado State

Affiliations:

Co-Director International Ground Water Modeling Center (IGWMC)
National Academy of Science Committee on Intrinsic Remediation
Past Associate Editor, Water Resources Research
Past Editorial Reviewer, Ground Water
Member, Assoc. of Ground Water Scientists and Engineers (AGWSE), NGWA
Member, American Geophysical Union
Member, Colorado Ground Water Association
Adjunct Professor, Dept. of Geology, Washington State University

Journal/Book Publications

Proceedings Publications and Technical Reports

Software

Published Abstracts

Presentations

Consulting