


United States Nuclear Regulatory Commission Official Hearing Exhibit																									
In the Matter of: POWERTECH USA, INC. (Dewey-Burdock In Situ Uranium Recovery Facility)																									
	<table><tr><td><b>ASLBP #:</b></td><td>10-898-02-MLA-BD01</td><td><b>Identified:</b></td><td>8/19/2014</td></tr><tr><td><b>Docket #:</b></td><td>04009075</td><td><b>Withdrawn:</b></td><td></td></tr><tr><td><b>Exhibit #:</b></td><td>APP-047-00-BD01</td><td><b>Stricken:</b></td><td></td></tr><tr><td><b>Admitted:</b></td><td>8/19/2014</td><td></td><td></td></tr><tr><td><b>Rejected:</b></td><td></td><td></td><td></td></tr><tr><td><b>Other:</b></td><td></td><td></td><td></td></tr></table>	<b>ASLBP #:</b>	10-898-02-MLA-BD01	<b>Identified:</b>	8/19/2014	<b>Docket #:</b>	04009075	<b>Withdrawn:</b>		<b>Exhibit #:</b>	APP-047-00-BD01	<b>Stricken:</b>		<b>Admitted:</b>	8/19/2014			<b>Rejected:</b>				<b>Other:</b>			
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# DOYL M. FRITZ, P.E.

## SENIOR TECHNICAL ADVISOR

### REGISTRATIONS

#### Professional Engineer

Wyoming No. 1467  
Colorado No. 11589

### EDUCATION

M.S., Civil Engineering, Arizona State University. 1969

B.S., Civil Engineering, University of Wyoming. 1968

### PROFESSIONAL

#### MEMBERSHIPS

National Advisory Board, College of Engineering and Applied Sciences, University of Wyoming, 2004-2012, Chairman, 2010-2012

Life Member, American Society of Civil Engineers

### HONORS AND AWARDS

Wyoming Chapter Tau Beta Pi, Wyoming Eminent Engineer, 2001

3-time recipient of Wyoming Mining Association Professional of the Year

Partner in Environmental Excellence, Jacobs Ranch Mine

### SPECIALIZED TRAINING

NRCS Certified Technical Service Provider

Partnering in Construction Loss Prevention Training

### PRESENTATIONS AND

#### PUBLICATIONS

"Environmental Data Management", Society of Mining Engineers, Phoenix, Arizona

"Probable Hydrologic Consequences" and "Hydrologic Reclamation", OSM Interactive Forum on Bond Release

"Permitting Off-Drainage Reservoirs", Strategic Research Institute Seminar on CBM Water Management Strategies

Doyl M. Fritz has over 40 years of professional experience in civil engineering, hydrologic investigations, hydraulic design, water rights, water supply and wastewater disposal studies, NEPA analysis, and surface mine permitting and regulation. Mr. Fritz has broad experience managing a variety of civil and environmental engineering projects. He co-founded WWC and helped the firm grow into one of Wyoming's largest consulting engineering firms. He is past president of American Council of Engineering Companies of Wyoming, former National Director of American Council of Engineering Companies, and past president of Wyoming Section American Society of Civil Engineers.

### PROFESSIONAL EXPERIENCE

Senior Technical Advisor, WWC Engineering, Sheridan, Wyoming. 2011 - Present

Principal, WWC Engineering, Sheridan, Wyoming. 1980 - 2011

Principal, Hydrology Associates, Inc., Sheridan, Wyoming. 1978 - 1980

District Engineer for Northeastern Wyoming, Wyoming Department of Environmental Quality, Land Quality Division, Sheridan, Wyoming. 1976 - 1978

Consulting Engineer, HKM Engineers, Billings, Montana. 1973 - 1976

Water Resource Engineer, Wyoming State Engineer's Office, Water Planning Program, Cheyenne, Wyoming. 1970 - 1973

Research Engineer, International Plastics, Inc., Tempe, Arizona. Summer 1969

### PROJECT EXPERIENCE

Expert witness in trials and administrative hearings on matters dealing with water rights, engineering design, hydraulic structures for roads and railroads, mineral disputes, environmental and hydrologic impacts, and regulatory enforcement actions.

Prepared and defended in administrative hearings on various petitions to the Wyoming Board of Control to change use, place of use, point of diversion and means of conveyance for water rights, including redescription of territorial blanket appropriations.

Design engineer on twenty major earthfill dams.

Calculated state allocations of unappropriated and developable water under the terms of the Yellowstone River Compact for the Tongue and Powder Rivers. Mapped irrigated lands in Wyoming's portion of these basins and estimated consumptive uses of water.

Author or co-author of NEPA compliance documents, including 12 EISs, 14 EAs and over 20 CatExs working as third-party contractor for Bureau of Land Management, Interstate Commerce Commission, and Wyoming Department of Transportation.

Principal design engineer for hydrologic control structures for surface mines, including flood control dams, sediment control facilities, aquifer dewatering systems, and post-reclamation drainage systems.

Project manager for design of mine plans and reclamation plans for numerous major surface coal mines in the Powder River Basin of Wyoming and Montana.

Primary author of a report for U.S. Congress Office of Technology Assessment on hydrologic evaluation and reclamation technologies for western surface coal mining.

Principal in charge of road design projects for state, county, and private clients.

Principal engineer for hydrology, hydraulics, scour analyses and structure selection reports for new bridges and bridge replacements.

Principal investigator on Alluvial Valley Floor investigations in the western U.S. and Australia, including studies to quantify presence and extent of AVFs, identify hydrologic functions, and prepare plans and designs for the protection and restoration of essential hydrologic functions.

Prepared numerous water management plans and discharge permit applications for coal bed natural gas operations.