



US Army Corps of Engineers

Technical Assistance Team



Mount St Helens Sediment Retention Structure, roller compacted concrete



Elk Creek Dam

Roller Compacted Concrete

Development of RCC as a viable alternative to conventional concrete began during the 1970's. Willow Creek Dam and Elk Creek Dam were among the world's first major RCC projects. Through the Support for Others Program numerous studies, consultations, investigations, test fills, testing, design and construction have been performed for numerous public and private organizations. The Technical Assistance Team offers a cost-effective and world-recognized technical resource to organizations involved in an RCC project. A statement of capabilities and a project listing follow, for which Jim Hinds and Steve Tatro have played a role over the past 24 years.

Roller Compacted Concrete Capabilities

- Site Evaluation
- Material Source Evaluation
- Aggregate Testing
- Mixture Proportioning Studies
- Thermal Studies
- RCC Design
- RCC Constructability and Scheduling
- Cost Engineering
- Technical Review

- Test Section Demonstrations
- Field Staff and Contractor Orientation/Training
- Troubleshooting
- Construction Consultation
- Inspection

Experience and Expertise

Willow Creek Dam, Oregon	1979-1983
North Fork Toutle River M-1 Spillway, Washington	1981
Elk Creek Dam, Oregon	1982-1987
Cayuse Site Paving , Vancouver Island, Br Columbia	1983
Fort Lewis RCC Paving and Hardstands, Washington	1984
Monksville Dam Thermal Study, New Jersey	1984
Yakima Handstands, Washington	1985
Galloway Dam Feasibility Study, Idaho	1986
SRS Fish Collection Facility, Washington	1987
Zintel Canyon Dam, Washington	1987-1993
Conception Dam, Honduras	1988
Portland Airport Taxiway, Oregon	1988
Cuchillo Negro Dam, New Mexico (Albuquerque Dist)	1988-1993
Multnomah County RCC Test Paving, Portland, Oregon	1989
Toutle River Sentiment Retention Structure, Washington	1989
Argentina RCC Permeability Evaluation	1989
Auburn Dam, Auburn, California (Sacramento Dist)	1989-1994

How to reach us:

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Willow Creek Dam, the world's first all roller compacted concrete structure



Zintel Canyon Dam

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Roller Compacted Concrete

Experience and Expertise

Victoria Dam, Michigan	1990-1991
Bonneville Navigation Lock Guide Walls, Oregon	1991
Cache Creek Settling Basin, California (Sacramento Dist)	1991-1992
Balambano Dam, Indonesia	1991
Binongan Dam, Philippines	1991
Mt. Pinatubo Emergency Bank Stabilization, Philippines	1992
New Elmer Thomas Dam, Oklahoma (Tulsa Dist)	1993
Caliche RCC Aggregate Studies, Nevada	1993
Miel I Dam, Columbia, South America	1994
Rillito River Bank Stabilization, California	1994
Tropicana Detention Basin, Nevada	1994
R-4 Detention Basin, Los Angeles, Calif.	1994
Hughes River Dam, West Virginia (Pittsburgh Dist)	1994, 1997
Lake Royer Dam, Ft Richie, Maryland (Baltimore District)	1994
Hanford RCC Hazardous Waste Stabilization, Washington	1995
Tongue River Dam Rehabilitation, Montana	1995
Blue Diamond Detention Basin, Nevada	1996
Penn Forest Dam, Pennsylvania	1996-1998
Bullard Dam A-E selection and Design Review, Oregon	1997-1999
Toutle River SRS Spillway Repair, Washington	1997
North Unit Irrigation District Canal Lining, Oregon	1997
McAlpine Locks and Dams – Kentucky (Louisville Dist)	1997-2002
Lilly Bayou, Louisiana (New Orleans Dist)	1998
Marmet Replacement Lock , West Virginia (Huntington Dist.)	1998-2002
Deer Creek Dam Feasibility Study, Idaho	1998-1999
Olivenhain Dam, California	1998-1999
Fourche-Maline Creek Dam, Oklahoma	1999
Mujib Dam Thermal Study, Jordan	1999-2000
Pedrogao Dam Thermal Study, Portugal	1999
RCC Engineering Manual	1999-2001
Vesuvius Dam Design Review - (USDA and Huntington Dist.)	2000
Table Rock Dam, Arkansas (Little Rock Dist)	2000-2001
Pajarito Canyon Dam, New Mexico (Albuquerque Dist)	2000-2002
RCC Guide Specification	2001-2002
GERCC Research Program	2001-2002
Little Bow Dam, Alberta, Canada	2001
Weber Dam, California	2001
Ghatghar Dam, India	2001
Shrinigar Dam, India	2001
Omkareshwar Dam, India	2001
Third Avenue Embankment, Alaska	2001-2002
Randleman Dam Thermal Study, North Carolina	2002
Saluda Dam, South Carolina	2002
Portugues Dam, Puerto Rico	2002

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