



Water Supply Planning
and Development

Vertical and Horizontal
Well Construction

Collector Well Design
and Evaluation

Hydrogeologic
Investigations

Surface Water Intake
Construction

Well Maintenance and
Rehabilitation

Microtunnelling and
Geotechnical
Construction

Riverbank and
Seawater Collection
Systems

**MICHAEL SHEA
PRESIDENT
(U.S. CITIZEN)**

SUMMARY OF QUALIFICATIONS

MIKE IS PRESIDENT AND CO-FOUNDER OF BRECHTEL RADIAL COLLECTOR WELLS, LLC. HE HAS PROVIDED OVER 40 YEARS OF SERVICE TO THE WATER SUPPLY INDUSTRY AND HAS BEEN INVOLVED IN ALL ASPECTS OF WATER RESOURCE DEVELOPMENT AND CONSTRUCTION.

FROM HIS BEGINNINGS DRILLING VERTICAL SUPPLY WELLS THROUGHOUT THE NORTHEASTERN UNITED STATES, MIKE HAS BECOME RECOGNIZED WORLDWIDE AS A LEADER IN THE DESIGN AND CONSTRUCTION OF RADIAL COLLECTOR WELLS, SURFACE WATER INTAKES, AND INFILTRATION SYSTEMS. HE HAS DESIGNED AND MANAGED THE INSTALLATION OF LARGE -SCALE WATER SUPPLY PROJECTS THROUGHOUT THE UNITED STATES AS WELL AS EUROPE, AFRICA, SOUTH AMERICA, AND ASIA. WHETHER THE CONTRACT AMOUNT WAS \$100,000 OR OVER \$5,000,000, MIKE HAS TAKEN GREAT CARE TO ENSURE EACH PROJECT COMES IN ON TIME AND ON BUDGET.

MIKE'S DIVERSE EXPERIENCE INCLUDES WATER WELL DRILLING AND REHABILITATION, CONSTRUCTION OF RADIAL COLLECTOR WELLS AND SURFACE WATER INTAKES, MICROTUNNELLING, GEOTECHNICAL CONSTRUCTION, INSTALLATION OF EFFLUENT OUTFALL DIFFUSERS, DAM REHABILITATION, AND THE DESIGN AND CONSTRUCTION OF RIVERBANK FILTRATION AND SEAWATER COLLECTION SYSTEMS. HIS PROFESSIONAL EXPERIENCE INCLUDES ALL ASPECTS OF CONTRACT ADMINISTRATION, PROJECT MANAGEMENT, STAFFING REQUIREMENTS, ESTIMATING, AND LABOR NEGOTIATIONS.

AS PRESIDENT OF BRECHTEL RADIAL COLLECTOR WELLS, MIKE PROVIDES EXECUTIVE MANAGEMENT FOR ALL OPERATIONS OF THE COMPANY.

Professional History

2008 — present
President,
Brechtel Radial
Collector Wells, LLC

2004 — 2007
Consultant,
Collector Wells
International, Inc.

1998 — 2004
President,
Collector Wells
International, Inc.

1994 — 1998
Western Regional
Manager,
Hydro Group, Inc.

1986 — 1994
District Manager,
Ranney Division,
Hydro Group, Inc.

1977 — 1986
Field Superintendent,
Ranney Company

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PROFESSIONAL EXPERIENCE AND REFERENCES

**RADIAL COLLECTOR WELL CONSTRUCTION - NUCLEAR
POWER PLANT FOR GRAND GULF, PORT GIBSON,
MISSISSIPPI**

AS FIELD SUPERINTENDENT FOR THE RANNEY COMPANY, SUPERVISED CONSTRUCTION OF FOUR RADIAL COLLECTOR WELLS INSTALLED AT GRAND GULF. IN COLLABORATION WITH MR. ERNIE WILLIAMS, WE PROVIDED THE HYDROGEOLOGIC SURVEY AND THE PERFORMANCE TESTING AFTER THE CONSTRUCTION OF THE FOUR WELLS.

**RADIAL COLLECTOR WELL/INTAKE COMBINATION UNIT -
INDUSTRIAL FACILITY, CAPE GIRARDEAU, MISSOURI**

SUPERVISED DESIGN AND CONSTRUCTION OF A 8.6 MGD COMBINATION COLLECTOR WELL/SURFACE WATER INTAKE FOR AN INDUSTRIAL FACILITY IN SOUTHEASTERN MISSOURI. THE UNIT CONSISTED OF A 16 FOOT DIAMETER CAISSON, 87 FEET LONG, EQUIPPED WITH THREE, 200 FOOT LONG LATERALS AND A 16 INCH DIAMETER INTAKE LINE INSTALLED INTO THE MISSISSIPPI RIVER.
CONTACT: FRANK ROBINSON, ROBINSON CONSTRUCTION COMPANY (573) 547-8397.

RADIAL COLLECTOR WELL CONSTRUCTION - ROSS, OHIO

CONSTRUCTION MANAGEMENT AND EXECUTIVE OVERSIGHT OF THE INSTALLATION OF A 7.5 MGD RADIAL COLLECTOR WELL INSTALLED WITHIN THE GREAT MIAMI AQUIFER OF SOUTHWESTERN OHIO.
CONTACT: FRANK DIVO, SOUTHWESTERN OHIO WATER COMPANY (513) 489-4844

**RADIAL COLLECTOR WELL CONSTRUCTION - CITY OF
DARDANELLE, ARKANSAS**

SUPERVISED THE CONSTRUCTION OF A RADIAL COLLECTOR WELL WITH GRAVEL PACKED LATERALS. THE CAISSON WAS SUNK 45 FEET BELOW GROUND LEVEL AFTER WHICH 1181 FEET OF 12 INCH DIAMETER STAINLESS STEEL GRAVEL PACKED

Professional History

1972 — 1977
Assistant Field
Superintendent,
Layne New York
Company

1964 — 1972
Driller,
Layne New York
Company

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PROFESSIONAL EXPERIENCE AND REFERENCES

LATERALS WERE INSTALLED USING THE PREUSSAG-KIESMANTEL METHOD. CONTACT: BILL SMITH, MANAGER DARDANELLE WATER DEPARTMENT (479) 229-3992

LARGE DIAMETER CAISSON FOR RAW WATER INTAKE SYSTEM - JOHN W. TURK POWER PLANT, FULTON, ARKANSAS

SUPERVISED CONSTRUCTION OF A 28' OD BY 24' ID CAISSON TO A DEPTH OF 64 FEET. INNOVATIVE TECHNOLOGY AND AN IMPECCABLE SAFETY RECORD HELPED BRECHTEL TO DELIVER A TOP QUALITY PROJECT ON TIME AND WITHIN BUDGET.

CONTACT: FRANK ROBINSON, ROBINSON CONSTRUCTION COMPANY (573) 547-8397

MAINTENANCE OF EXISTING RADIAL COLLECTOR WELL - MT. PLEASANT, MICHIGAN

SUPERVISED THE MECHANICAL CLEANING AND REHABILITATION OF APPROXIMATELY 900 LINEAL FEET OF 12 INCH DIAMETER CARBON STEEL LATERALS. RESULTS OF THE MAINTENANCE PROVED VERY SUCCESSFUL.

CONTACT: MALCOLM FOX, WATER PLANT SUPERINTENDENT (898) 779-5426

SEAWATER REVERSE-OSMOSIS DESALINIZATION COLLECTOR WELL - COASTAL AREA OF SALINA CRUZ, MEXICO

NEGOTIATED, DESIGNED AND INSTALLED THREE SEAWATER COLLECTOR WELLS WITH SEVEN LATERALS EACH AT THE PEMEX PLANT IN SALINA CRUZ, MEXICO. THE 12 INCH LATERALS WERE INSTALLED NEARLY 100 FEET BELOW GRADE. THE PREUSSAG-KIESMANTEL METHOD WAS SELECTED DUE TO THE FILTRATION CAPABILITIES OF THE SUBSURFACE SANDS IN THE AREA OF SOURCE WATER EXTRACTION.