Natural Resources



MWH®

BUILDING A BETTER WORLD

Our focus: *conservation and control of the world's irreplaceable resource – water.*
Our goal: *Building a Better World.*

We Rank at the Top of the Wet Infrastructure Sector

According to *Engineering News-Record,* our industry's leading trade publication, the MWH organization ranks at or near the top of nearly every water category. We are proud to be:

#2 in Water Treatment and Desalination

#2 in Transmission Lines and Aqueducts

#2 in Sanitary and Storm Sewers

#2 in Water Supply

#2 in Wastewater Treatment

Source: *Engineering News-Record,* July 2009
A complete list of our industry rankings is available at www.mwhglobal.com.

Leading Wet Infrastructure **Around the World**

The MWH organization is driving the wet infrastructure sector globally, and we are leading the world in results-oriented management, technical engineering and construction services to create a better world. The wet infrastructure sector we serve encompasses a variety of water-related projects and programs ranging from water supply, treatment and storage to water resources management and coastal restoration, and from design and construction of hydropower and renewable energy facilities to full environmental services.

...more than 7,000 employees on six continents...

With a rich legacy that dates back to 1844 and more than 7,000 employees on six continents, our global team includes program managers, business consultants, engineers, geologists, operators, scientists, technologists and regulatory experts who provide solutions to the world's most challenging wet infrastructure projects.

The MWH team is driven to meet today's challenges, dedicated to innovation and committed to mastering and applying emerging technologies to create client-focused results. We have engaged in the engineering, construction, financing and management of some of the world's largest and most technically significant wet infrastructure projects for our client base of more than 4,000 municipalities, governments, multi-national corporations and industries.



We are Building a Better World

"Building a Better World" is inherent to the way we do business and the way we live our lives as individuals. And as global leaders in the wet infrastructure sector, our employees see firsthand how critical water is for life on Earth. We partner with organizations who strive to ensure every single community – and every human being – has access to clean water.

In addition, a sustainable future for our planet and its people remains a top priority for our company and its employees. This is why we conduct and support educational outreach programs designed to address climate change and encourage sustainable practices.

We recognize that the health of our planet is deeply rooted in the wellbeing of its people. Therefore, we support global humanity by supporting efforts to cure disease, fight poverty and lend a hand to the many charitable organizations dedicated to causes that fuel our passion.



Serving the **Natural Resources** Industry

We provide comprehensive consulting, engineering, construction, construction-quality assurance and program management services to the global natural resources industry for environmental, water, mining and infrastructure projects.

Hydrogeological, Geochemical, Hydrological and Water-Quality Evaluation

Our expert staff of geologists, hydrologists, hydrogeologists, geochemists and civil engineers conducts groundwater, surface-water, water-quality and water-resource investigations to support mine planning, development, operations and closure.

Environmental Planning, Permitting and Compliance Monitoring

We are a recognized leader in environmental planning, regulatory compliance and systems management services, as well as environmental impact studies. As environmental and regulatory requirements for the mining industry become increasingly more complex, we provide a full range of services that support mine permitting requirements and sustainable development—for both the mine and its surrounding communities.

Mine Waste Management, Closure Planning, Reclamation and Construction Management/Monitoring

Our capabilities in developing and implementing waste management, reclamation and closure plans keep us at the forefront of mine waste management practices and reclamation technologies. Our innovative and cost-effective solutions enable efficient post-mining land uses.

Civil and Geotechnical Infrastructure Development

The MWH organization is known and trusted for the design, construction and on-time delivery of world-class geotechnical and civil projects that include tailing dams, leaching facilities, impoundments and mine infrastructure throughout the world. We have extensive experience working in complex situations and tough terrains such as Karstic geological settings, arid and wet environments and seismically active areas.

Mine Water Supply, Management and Treatment

MWH engineers bring the skills and expertise to protect and sustain water supplies, effectively treat mine and mill water effluent and, when possible, reuse the mine water. We offer state-of-the-industry water resource development from groundwater and surface water sources, as well as from sea water. Our chemists understand metallurgical extraction and use the water balance to optimize the utilization of process water and limit waste. We plan, engineer and construct storage, treatment and disposal facilities.

Ecological Services and Natural Resource Management

We support mining operations with comprehensive ecological and natural resource assessments, planning, monitoring and re-vegetation services. MWH specialists are some of the world's foremost experts on natural resource management, revegetation and ecological habitat restoration.

Hydropower and Energy

As renewable energy takes the spotlight on the global stage, MWH experts offer a level of expertise in hydropower that is unsurpassed. Using a variety of technologies, we provide design, engineering and construction services for hydropower and dam projects throughout the world.

Contaminated Site Remediation

Protecting the environment is critical to every aspect of our business. The MWH organization offers a comprehensive suite of services appropriate to varying site and regulatory conditions. We have successfully planned and implemented hundreds of remediation and reclamation projects from site investigation activities to planning, engineering and construction of some of the industry's most sophisticated treatment systems.





Responsive **Service** and **Know-How** for the **Natural Resources** Industry

Integration of sustainable practices into our projects is part of our commitment to being responsible stewards of the earth's resources.



Committed to our Global Community

Sustainability is a fundamental component of the services we offer to the natural resources industry and is part of our commitment to Building a Better World. Population growth will continue to push the demand for water, minerals and metals. The MWH organization has the expertise to meet our clients' challenges of responsibly extracting these resources through efficient use of water and energy and by reducing the environmental footprint of our activities.

Dedicated to Safe Working Conditions

Safety is paramount in all of our projects, for all of our clients. We understand mining industry practices, processes and environmental safety requirements. Our engineers facilitate safe working environments for our staff, clients and other project participants. We develop and implement safety plans that embody our internal practices as well as the safety programs of our clients.

Be Smart MWH Work Safe



We Have Worked on Some of the World's Most **Technologically Challenging** Natural Resources Projects

The MWH organization served as program manager for the remediation of BHP Billiton's sites located in the historic Globe-Miami mining district in Arizona. Closure strategies were implemented to address numerous technical issues, including acid rock drainage, slope instability, pit dewatering, hydraulic mining of tailing and slope erosion/ sediment transport.



MWH staff provides design services, permitting support, field engineering and construction quality assurance and coordination at the Marlin Mine in Guatemala. The team monitors the existing facilities and assists in planning for operation, expansion and closure of various facilities at the mine.



The MWH organization provided design services for a tailing facility and construction quality control and construction management services for start-up of the Cerro Corona Mine. MWH staff continue to collaborate with the owner, contributing professional staff to the management team for efficient response to technical and operational conditions.



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