

Technical Team



Harry Anthony, BSc, MSc Engineering Mechanics, PEng

Chief Operating Officer, Director

Mr. Anthony is an internationally recognized expert in the uranium industry. Mr. Anthony has been a professional engineer for 36 years, the latter 30 of which, he has been at the forefront of multiple aspects of the uranium industry.

Mr. Anthony is particularly noted as being a pioneer of the emerging extraction technology for the uranium mining sector known as In Situ Recovery, or ISR. ISR is a significantly less costly and less environmentally obtrusive technique for mining uranium than any other method currently in use. He has been involved with every notable ISR uranium mine in the US and abroad, at all levels of development, including feasibility, design, operations, and management.

Mr. Anthony was a senior officer and director of Uranium Resources Inc, a public company, and a significant uranium producer in the US. During his 20-year tenure at URI, he was responsible for all technical aspects of mine development. He has also provided technical services and mine plans for companies such as Union Carbide, Urangesellschaft, Kennecott, Rio Algom, Heathgate Resources, and others.

Mr. Anthony is a sought-after speaker on uranium and related issues, having written and presented numerous reference papers on behalf of leading internationally recognized bodies including the IAEA. He is a current and past member of several professional uranium-related societies. Mr. Anthony has a BSc and MSc in Engineering Mechanics from Pennsylvania State University.



Curtis O. Sealy, MSc and BSc Civil Engineering, PEng

Vice President of Production

Mr. Sealy is a registered professional engineer who has 40 years experience designing and constructing mines and other large-scale engineering projects internationally. His most recent 20 years have been spent with uranium mining and development companies.

Mr. Sealy has broad experience designing, developing, constructing and providing quality control/quality assurance for large-scale engineering projects, including mines, petrochemical facilities, dams, harbor works, landfills, groundwater and surface reclamation and many other projects. He is a recognized expert on earth structures and ground improvement techniques, and has authored numerous papers in his field of expertise.

Mr. Sealy spent 17 years with Umetco Minerals Corp, a subsidiary of Union Carbide, and a large uranium producer in Wyoming, Colorado, and Utah, where he managed all aspects of regulatory compliance and environmental remediation. More recently, he served as Vice President of Environmental and Regulatory Affairs for Energy Metals Corp., a uranium exploration and development company.



Clyde Yancey, BSc, MSc Geology, PGeo

Vice President of Exploration

Mr. Yancey received his BSc in Geology from Trinity University, San Antonio, Texas in 1975, and his MSc in Geology from the South Dakota School of Mines and Technology in 1978. Mr. Yancey began his professional career with the USGS - Uranium and Thorium Resources Branch in 1978. He continued working in uranium development through 1989 while employed in exploration and in-situ mining production for such firms as Wyoming Minerals Corporation, Caithness Mining Corporation, Mobil Oil, and Moore Energy. During this period, he discovered several uranium deposits including the Weesatche and Southeast El Mesquite. From 1989 to the present, Mr. Yancey has concentrated on reclamation investigations at various uranium mill tailings sites throughout the southwest United States for mining companies, government agencies and First Nations. Also during this time, he co-authored numerous professional papers on groundwater reclamation and compliance related to uranium. Mr. Yancey is currently a Registered Professional Geologist in Wyoming and Texas.



Robert Underdown, BSc

Manager of Texas Operations

Robert Underdown has held senior operational positions at ISR uranium mines in Texas since 1978; he has extensive experience designing, managing and reclaiming ISR uranium mines. Throughout his career, Mr. Underdown has worked with the regulatory agencies in Texas specifically pertaining to ISR uranium production. This includes the responsibilities of managing hundreds of mine personnel and looking after their safety and that of the environment.



Ed Brezinski, BSc, MBA

VP, Corporate Development

Mr. Brezinski has 20+ years of service with utility companies and with nuclear fuel traders and brokers. His experience has been focused on marketing, trading and brokerage of uranium and related products, market analysis, inventory management, and the procurement and contracting for nuclear fuel, fuel services and other vital nuclear power plant services. While at Northeast Utilities, he acted as lead purchaser of uranium concentrates, and conversion, enrichment and fabrication services. He also worked in a similar lead trader or broker capacity for UG USA, Nukem Inc, and NYNCO trading and brokerage companies.

Mr. Brezinski most recently served as Vice President of Nuclear Fuel Supply for NYSE-listed Energy Solutions Inc. He has a Bachelor of Science in Radiological Health Physics, and an MBA in Finance and International Business.



Joshua Leftwich, BSc

Environmental Manager

Joshua Leftwich received his BSc in Renewable Resources from the Texas A&M University, as well as his certifications in numerous safety and safety training courses. His practical experience includes comprehensive management of the environmental components of dozens of large engineering projects. Most recently, Mr. Leftwich was the Manager of Environmental Health and Safety for Mesteña Uranium LLC, at their Alta Mesa ISR uranium mine, which began production in 2006. At Alta Mesa, he managed all aspects of environmental, health, safety, radiation safety, training and compliance, throughout the mine's design, construction, commissioning and operational phases. He was responsible for the mine's simultaneous compliance with 3 state and 3 federal regulatory agencies; he was Mesteña Uranium's chief liaison with these bodies, and was in daily communication with them.



Andrew Kurrus, BSc, MSc

Senior Geologist Texas South District

Mr. Kurrus is a professional geologist specializing in the discovery of economic uranium deposits in South Texas. Mr. Kurrus has an impressive 30-year career in South Texas beginning with Intercontinental Energy Corp (IEC) in 1978 followed by other notable uranium mining companies: Pioneer Nuclear, Tenneco, Malapai, Total, and Cogema . While at Cogema Mining (now Areva), and most recently at Mesteña Uranium LLC (owner of the Alta Mesa ISR uranium mine), he discovered previously unknown ore body extensions at existing ISR operations that contributed significantly to the economics of those projects. Mr. Kurrus is registered as a Professional Geologist; he received his BSc and MSc in Geology from the University of Arkansas.



Dr. Aiguo Bian

Mine Development – Geologist

A BS graduate in Structural Geology from Beijing University, China, and later a PhD Geology from Texas A&M University, Dr. Bian brings his understanding and dissertation on the Solute Transport in an Aquifer-Aquitard System from academia to the uranium ISR industry. Dr. Bian is widely published in China as well as in various scholarly publications in North America. Prior to joining UEC Dr. Bian was Visiting Professor in the Department of Physics and Geosciences at the Texas A&M University – Kingsville. Dr. Bian's computer abilities in modeling structural geology and solute aquifer systems further augments UEC's as the leading junior company from a technical perspective.



Advisory Board

Craig Holmes

Mr. Holmes' extensive experience with uranium mine permitting traces back to the advent of ISR uranium mining in the United States in 1976. His 30-year career has been dedicated to the permitting of uranium projects spanning 26 different projects in Texas, Wyoming and New Mexico. He was involved in the baseline and environmental impact analyses in support of permits and a radioactive material licenses for the Highlands In-Situ Recovery Project in Wyoming. Additionally, he participated in technical evaluations regarding waste disposal and radiological assessments for the Smith Ranch In-Situ Recovery Project for Rio Algom Mining Corporation.

More recently, Mr. Holmes acted as Project Manager and Advisor to Mesteña Uranium, LLC, a private uranium-producing company based in south Texas. In this role, he was responsible for preparing all required baseline studies, writing the applications for the mine permit, the production area authorizations, and the radioactive material license. He was also responsible for preparing all data needed for an air permit exemption, and the EPA aquifer exemption. As a result of his deep involvement with regulatory matters, Mr. Holmes has made a significant contribution to the formulation of the rules and regulations that govern the ISR permitting process today. His intimate knowledge of these regulations will be important to the Company as it manages the permitting of its uranium projects. He received his BSc and MSc from the University of Pittsburgh.

Dr. John D. Nelson

Dr. Nelson is a professional engineer, with licenses in five states, and a long-term professor of civil engineering at Colorado State University. As a professor, he developed a major geotechnical engineering program for the field of mine tailings management, primarily as it relates to uranium mining, and is an industry expert in this specialized field.

Dr. Nelson served as the chairman of the Annual Conference on Tailings and Mine Waste for 20 years. He is the senior author of a primary report, Long-Term Stability of Uranium Mill Tailings, prepared for the Nuclear Regulatory Commission (NRC) -- a source document for environmental impact statements in this industry. He also served as a consultant to the NRC, including the review of all uranium tailings management plans for mill licensing applications from 1978 until 1984. Since 1985, he has served as a consulting engineer for the mining industry and has acted as the senior technical engineer for several tailings dam projects including Uravan, Gas Hills, Maybell, and York Canyon.

Dr. Nelson received his BSc, MSc and PhD in Civil Engineering from the Illinois Institute of Technology in Chicago. He is Professor Emeritus at Colorado State University.

Anthony J. Thompson

Mr. Thompson has been practicing environmental and occupational health and safety law since the mid-1970's. He is the primary outside counsel to the National Mining Association (NMA) for uranium issues, and he has represented much of the domestic uranium mining and milling industry either as counsel to NMA or as counsel to individual licensees since the late 1970's. He is the prime author of NMA's White Paper entitled "Recommendations for a Coordinated Approach to Regulating the Uranium Recovery Industry." Mr. Thompson received his BA in History from Princeton University and his law degree from The University of Virginia School of Law. He is a member of the American Nuclear Society, the American Bar Association and the Society for Mining, Metallurgy, and Exploration.