



WEIR INTERNATIONAL, INC.

MINING, GEOLOGY AND ENERGY CONSULTANTS



WEIR INTERNATIONAL, INC.

- Providing mining, geology, geotechnical, operational, environmental, training and engineering services to the mining and energy industries worldwide
- Eighty-five years of experience in mining and energy industries
- Chicago Corporate Office - Downers Grove, Illinois
- Professional • Independent • Objective
- Multi-disciplinary range of engineering, technical and specialty services

COMPANY BACKGROUND

Weir International, Inc. (WEIR) is an internationally recognized consulting company that has provided geology, engineering and operations consulting services to the United States and international mining and energy industries for 85 years. Through our engineering, operations and technical personnel, WEIR has continually served the specialized needs of the worldwide mining and energy industries since 1936.

WEIR's background and depth of engineering and operations experience permits us to field competent project teams that provide comprehensive coverage of all aspects of a project that must be addressed in providing professional engineering and consulting services to the mining and energy industries.

SERVICES

- Civil Engineering
- Coal and Mineral Processing
- Due Diligence Investigation
- Financial Analysis
- Geological and Geotechnical Engineering
- Geology and Geologic Mine Modeling
- Environmental Engineering
- Expert Witness Testimony
- Feasibility Studies
- Health, Safety and Training
- Litigation Support
- Market Analysis and Utilization
- Mining Engineering and Planning
- Operational Assessments
- Property Management
- Workforce Development

INDUSTRIES

Mining

- Coal
- Industrial Minerals
- Metals

Other

- Financial
- Government
- Insurance
- Legal
- Utility

CLIENTS

- Accounting Firms
- Federal Government
- Financial Institutions
- Insurance Companies
- International Lending Agencies
- Landholding Companies
- Legal Firms
- Local Government
- Mining Companies
- Mining Service Companies
- State Government
- Utility Companies

PERSONNEL

Jeffrey D. Addison - Technical Advisor/Associate

Mr. Addison is a mining engineer with more than 37 years of experience in operations and engineering, including mine planning, operations support and acquisitions. His expertise relates to surface and underground mining operations, mine development, and evaluation and valuation of mining operations and properties. He has extensive experience in due diligence investigation of mining operations and reserve and resource properties, including negotiations relating to acquisition transactions. His mining experience also includes considerable knowledge of advanced coal use technology, relating to coal to liquids project evaluation and development.

Fernand A. Barata - Senior Civil/Mining Engineer/Associate

Mr. Barata is a mining and civil engineer with over 60 years of engineering and operating experience in the mining, construction and consulting industries. His experience includes surface mining equipment selection, utilization and productivity, design of highways and bridges, analysis of construction and mining projects, preparation of operating manuals for the construction and mining industries, and management of major construction and surface mining projects throughout the US, China, Morocco, South America, and South Africa.

Thomas E. Blandford, III - Executive Vice President

Mr. Blandford is a mining engineer with more than 40 years of experience in engineering and operations management. His experience includes engineering and operational management and at both surface and underground coal mining operations throughout the United States, Canada, Colombia, South Africa and Australia, as well as mine planning and design, feasibility studies, due diligence investigations, operational analysis, and contract mining.

Evan Bowen - Senior Geologist

Mr. Bowen has over 13 years experience as a mineral geologist, with extensive knowledge in mine development, production and continuous improvement. His geology experience includes geological modeling, interpretation of geophysical logs and coal seam and mineral bed correlation. Mr. Bowen has prepared reserve and resource studies in accordance with United States SEC, Australian JORC and Canadian NI 43-101 guidelines and standard T.

Donald Del Bosco - Senior Mining Engineer/Associate

Mr. Del Bosco is a mining engineer with more than 48 years of engineering and operations experience in the mining industry. His engineering experience includes extensive mine planning and design relative to area, contour and mountain-top removal mining methods. Mr. Del Bosco has extensive operations experience in all coal producing regions of the US and Western Canada. He has considerable expertise relating to productivity and operating cost of surface mining equipment and surface mining methods including dragline, bucket wheel excavator, truck/shovel and truck/loader.

Douglas M. Dwosh - Senior Mining Engineer/Associate

Mr. Dwosh is a mining engineer with more than 51 years of experience in all major disciplines of mining engineering. He has worked on mining engineering and surface and underground operations projects in all US coal producing regions and in Brazil, China, India, Pakistan, and South Africa. His expertise relates to surface mine design, strategic planning, underground mine operation, financial analysis, and coal market studies.

PERSONNEL

Ken W. Fishel - Senior Geologist/Associate

Mr. Fishel is a professional geologist with diverse geological expertise, experience and knowledge of many sedimentary basins in the world, having completed projects in the US, Australia, Canada, China, Columbia, Peru, and the Philippines. His professional career spans over 46 years in the coal industry. His expertise includes design of exploration programs, evaluation and interpretation of geological data and conducting coal reserve studies.

Donald D. Haas - Senior Mining Engineer/Associate

Mr. Haas is a mining engineer with over 48 years of worldwide experience in surface and underground mining relating to coal, industrial minerals, and precious and base metals. His expertise is in property evaluation, mine planning, mine cost estimates, drilling and blasting techniques, operational analysis, feasibility studies, contract mining, and financial analysis.

John S. Hird - Engineering Manager

Mr. Hird is a mining engineer with more than 27 years of experience in the minerals industry related to mine planning and design for both surface and underground coal, industrial minerals and metals mining. Mr. Hird has considerable mine operations, engineering and management expertise, in addition to extensive experience and expertise in surface and underground mine feasibility, due diligence investigations, mine plan modeling, and evaluation and valuation of mining operations and properties.

Dennis N. Kostic - Chief Executive Officer

Mr. Kostic is a mining engineer with more than 50 years of engineering and operations experience in the mining industry in both surface and underground mining. His experience includes extensive mine layout and design expertise, multiple seam mining, surface and underground mine operational assessments, mine property evaluations, due diligence investigations, feasibility and reasonableness reviews, and coal market studies throughout the United States, Australia, Brazil, Canada, India, Kazakhstan, Poland, South Africa, Spain, United Kingdom, and Venezuela. He has held senior level engineering and operating positions with several major United States coal mining companies.

Michael McCarthy

Mr. McCarthy is a CAD technician with expertise in the use of AutoCAD and mining software programs related to mine planning, mine mapping, and geologic modeling.

Walt Mueller, Jr. - Technical Advisor/Associate

Mr. Mueller is a mining engineer with more than 50 years of operations and engineering experience. He has held senior management positions relating to both surface and underground mining operations throughout the US and Canada. He has specific expertise in longwall mining, in addition to other underground mining methods. His experience relates to development and operation of underground mining operations.

PERSONNEL

Fran X. Taglia - President

Mr. Taglia has over 19 years of technical, operational analysis and business management experience and expertise in the mining industry, including engineering, financial, product development and production. His experience includes feasibility studies, reasonableness reviews, due diligence and operational assessments for surface and underground mining operations in the United States and Canada. Mr. Taglia's expertise also includes market analyses and process flow studies, project development and implementation, due diligence and operational assessments, project transactions and management, and pro-forma modeling. Mr. Taglia's process analysis experience has focused on improvement in management systems, controls, productivity, and operating costs.

Linda R. Torre - Senior Mining/Environmental Engineer/Associate

Ms. Torre is a mining and environmental engineer with over 34 years of experience in mine planning, cost analysis and environmental engineering and permitting. Her experience includes operations and economic analysis of surface and underground mining operations, and evaluation of environmental and permitting compliance.

Gregory S. Trapp - Senior Geologist

Mr. Trapp has over 21 years experience primarily in the field of coal geology, with considerable knowledge of coal seams and coal seam structure throughout the United States and Australia. His geology expertise includes database management, geological modeling including complex geologic structure and mapping, coal reserve and resource evaluation, valuation and estimation, and exploration program design, implementation and monitoring. Mr. Trapp has prepared reserve and resource studies in accordance with the United States SEC, Australian JORC and Canadian NI 43-101 guidelines and standards.

Tom A. Tveten - Senior Geologist/Associate

Mr. Tveten has over 46 years experience in geological evaluations in all of the major coal basins in the US as well as Australia, Canada, Kazakhstan, Indonesia, South Africa, and Venezuela. His career has involved assignments for both surface and underground coal mining operations as well as reserve analysis and mine feasibility related to reserve acquisitions. He has significant experience in computer modeling of all types of coal reserves.

In addition, WEIR is supported by an extensive network of technical personnel, experienced technicians, CADD specialists and administrative staff.

PERSONNEL

Dennis N. Kostic

CEO



Fran X. Taglia

President



PERSONNEL

Thomas E. Blandford, III

Senior Vice President





CHICAGO CORPORATE OFFICE

Executive Tower I
1431 Opus Place, Suite 210
Downers Grove, Illinois 60515

AREAS OF EXPERTISE

Civil Engineering

- Construction Inspection/Management
- Hydraulic Analysis and Design
- Hydraulic Modeling
- Sedimentology and Water Quality
- Slope Stability Analysis
- Mitigative Design
- Soil Mechanics and Foundation Engineering
- Surveying and Mapping

Coal Mineral and Processing

- Plant simulation and Performance Testing
- Process Control Systems
- Quality Control Systems
- Quality Determination

AREAS OF EXPERTISE

Feasibility Studies and Due Diligence Investigations

- Operations Assessment
- Due Diligence Investigations
- Economic and Financial Analysis
- Environmental Audits
- Feasibility Studies
- Market Projections
- Mine Closure Analysis Reserve Audits

Financial Analysis

- Financial Modeling
- Cash Flow Projections
- Project Economics
- Return on Investment
- Project Development and Financial Options
- Financial Guidance

AREAS OF EXPERTISE

Geology and Geotechnical Engineering

- Assessment of Geology and Geologic Modeling
- Geologic Engineering
- Geophysics
- Geotechnical Studies
- Mine Modeling
- Reserve and Quality Determination
- Subsidence Engineering

Health, Safety and Training

- Litigation Support
- Loss Control Management
- Mine Operations and Engineering
- Mine Safety Standards
- Occupational Safety Standards
- Regulatory Legislation
- Safety and Emergency Programs

AREAS OF EXPERTISE

Industrial Minerals

- Blasting and Vibration
- Environmental and Quarry Reclamation
- Equipment Selections and Utilization
- Exploration
- Geology and Geotechnical Engineering
- Health and Safety
- Litigation Assistance
- Management Economics and Finance
- Quarry Planning and Mine Engineering
- Water Management

Litigation Support and Expert Witness Testimony

- Acquisition Value Assessment
- Blasting and Noise Complaints
- Cause and Origin Investigation
- Contract Dispute Evaluation
- Earth Movement
- Force Majeure
- Inundations and Water Problems
- Mining and Geology
- Product Liability
- Property and Casualty Losses
- Rate Case Testimony
- Regulatory Affairs
- Safety Engineering and Personal Injury
- Subsidence Engineering

AREAS OF EXPERTISE

Mine Planning and Engineering Underground Mines

- Mine Design - Longwall and Continuous Miner
- Site Selection and Surface Facility Design
- Mining Systems Evaluations/Operational Analysis
- Mining Feasibility Studies
- Equipment Specifications and Appraisals
- Maintenance Program Evaluation
- Strata Control
- Ventilation Studies
- Environmental Compliance and Mine Closure Analysis
- Operation Procedures and Training

Mine Planning and Engineering Surface Mines

- Mine Design - Mountaintop, Area, Contour, and Highwall Mining
- Site Selection and Surface Facility Design
- Equipment Selection and Performance
 - Dragline, Truck/Shovel, Front End Loader, Highwall Miner
- Mining Systems Evaluations/Operational Analysis
- Mining Feasibility Studies/Bankable Documents
- Equipment Specifications and Appraisals
- Maintenance Program Evaluation
- Environmental Compliance and Mine Closure Analysis
- Operation Procedures and Training

AREAS OF EXPERTISE

Operational Effectiveness Audits and Improvement Methods

- Product Quality Improvement
- Alternative Equipment/Mining Systems
- Belt Haulage Analysis
- Labor Utilization
- Mining Sequence Layout Design
- Support Services Review
- Time Studies and Delay Analysis
- Coal Handling Systems Design/Analysis
- Preparation Plant Operations
- Storage and Blending Optimization
- Health and Safety Studies
- Dust Control
- Environmental Compliance
- Geotechnical Studies
- Hazard Mapping
- Hydrology
- Shaft, Slope and Tunnel Design
- Strata Control Analysis
- Subsidence Predication
- Reclamation
- Ventilation
- Workforce/Supervisor Training

AREAS OF EXPERTISE

Property Services

- AutoCAD Mapping Services
- Depletion Analysis
- Environmental Audits and Assessments
- Lease Notification, Monitoring, and Enforcement
- Natural Resource Management
- Appraisals/Valuations
- Property Sales
- Product Tax Service
- Surface and Underground Mining Operations Inspections

Utilization Services and Market Analysis

- Contract Assistance
- International Power Projects
- Litigation Support
- Market Assessment
- Producers Evaluation
- Product Sourcing Studies
- Quality Standards and Control

AREAS OF EXPERTISE

Workforce Development

- Benchmarking Analysis
- Continuous Improvement Process
- Training Programs - Hourly Personnel
- Training Programs - Supervisory Personnel

MAJOR PROJECTS SUMMARY

<u>State</u>	<u>Project</u>	<u>Client</u>	<u>State</u>	<u>Project</u>	<u>Client</u>
Alabama	Operations Assessment - Oak Mountain Energy	Anker Energy	Alaska	Assessment of Mining Equipment	Confidential
	Mining Equipment Appraisals - Draglines	Drummond Company, Inc.		Market Analysis - Alaska Coals	Confidential
	Preparation Plant Appraisal	Drummond Company, Inc.		Return on Investment Analysis	Confidential
	Reserve Study	Drummond Company, Inc.	Arizona	Valuation - Surface Mining Operations and Reserves	Confidential
	Subsidence Analysis Relative to Surface Facilities	Drummond Company, Inc.		Alleged Flood Damage Litigation - ASARCO Copper	Arkwright Insurance Company
	Shoal Creek Mine Longwall Subsidence Study	Maynard, Cooper & Gale		Surface Equipment Productivity Evaluation	Peabody Western Coal Company
	Determination of Water Inflow - Underground Mine	Confidential		Operations Assessment - Underground Coal Mine	Confidential
	Due Diligence Longwall Mining Operation	Confidential		Mine Closure Reclamation Cost Study - Surface Mine	Confidential
	Due Diligence Underground Mining Operation	Confidential		Zeolite Reserve Evaluation	Confidential
	Fault Crossing Analysis - Underground Mine	Confidential	California	Los Angeles Metro Subway Construction Failures	Allianz Insurance Company
	Insurance Claim - Assessment of Mining Equipment and Mine Infrastructure Damage	Confidential		Crystal Springs Water Tunnel Construction Claim Litigation	Clausen Miller
	Litigation - Subsidence Damage	Confidential		Highwall Stability/Failure Analysis - Portland Cement Marble Quarry	RMC Lonestar
	Litigation - Surface Mining; Gas Pipeline	Confidential		Operations Assessment - Sand Processing Operation	Confidential
	Longwall Mine Feasibility Study	Confidential		Operations Delay Analysis - Sand Processing Operation	Confidential
	Mining Assessment of Underground Mining Operations	Confidential		Reasonableness Review - Sand and Gravel Operation	Confidential
	NI 43-101 Technical Report - Underground Longwall Mining Operation	Confidential		Section 45 Refined Coal Production Facility - Due Diligence	Confidential
	Operations Assessment - Underground Mining Operations	Confidential	Colorado	Feasibility of Quarry for City Water Reservoir	City of Arvada
	Reasonableness Review - Surface and Underground Mining Operations	Confidential		Investigation for Underground Mine Reclamation	Hall & Evans, L.L.C.
	Reserve and Resource Evaluation	Confidential		Longwall Feasibility - Sanborn Creek Mine	Oxbow Carbon & Minerals, Inc.
Reserve Evaluation	Confidential	Review of Mine Plan - Elk Creek Mine		Oxbow Carbon & Minerals, Inc.	
Section 45 Refined Coal Production Facilities - Due Diligence and Assessment of Coal Feedstock	Confidential	Evaluation of Underground Longwall Mine Plans		Oxbow Mining, LLC	
Surface Mine Feasibility Study and Valuation	Confidential	Deserado Mine Fire Investigation		Western Fuels Association	
Underground Mine Plan Design and Subsidence Analysis	Confidential	Mining Equipment Appraisal	Western Fuels Association		
Valuation - Underground Mining Equipment	Confidential	Assessment of Mining Beneath 2,000 feet of Cover	Confidential		
			Asset Appraisal - Underground Longwall Mine	Confidential	

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Colorado	Due Diligence and Evaluation - Bowie Longwall Mine	Confidential	Illinois	Coal Reserve and Mine Feasibility Studies	Freeman United Coal Mining
	Due Diligence - Frac Sand Operation	Confidential		Development of an Underground Mine Productivity Model	Freeman United Coal Mining
	Feasibility Study - Underground Mining Operation	Confidential		Evaluation of Coal Fines Recovery Plant	Freeman United Coal Mining
	Phase 1 Environmental Audit - Underground Mining Operations	Confidential		Evaluation of Reclamation Liabilities, End of Mine Life	Freeman United Coal Mining
	Reasonableness Opinion - Longwall Mining Plan	Confidential		Feasibility Study - Surface Mining Operation	Freeman United Coal Mining
	Reasonableness Review, Due Diligence - Longwall Mining Operations	Confidential		Geologic Hazards Maps for Crown II and Crown III Mines	Freeman United Coal Mining
	Reasonableness Review Longwall/Continuous Miner Operations	Confidential		Geological Evaluation No. 6 Seam	Freeman United Coal Mining
	Reserve Studies - Underground Longwall Mine	Confidential		Litigation Support - Underground Coal Mining	Freeman United Coal Mining
	Valuation - Coal Bed Methane and Underground Mine Resources	Confidential		Longwall Feasibility Study - Crown III Mine	Freeman United Coal Mining
	Valuation - Coal Holdings	Confidential		Mine Plan Analysis and Ventilation Study - Crown II Mine	Freeman United Coal Mining
Florida	Section 45 Refined Coal Production Facilities - Placed In Service Certifications	Confidential	Operations Assessment - Crown II and Crown III Mines	Freeman United Coal Mining	
			Pre-feasibility Studies - Underground Mines	Freeman United Coal Mining	
			Productivity Analysis of Supersections	Freeman United Coal Mining	
			Valuation Mining Assets and Reserves	Freeman United Coal Mining	
			Litigation - Assessment of SponCom Event	Hillsboro Energy, LLC	
			Abandoned Mine Land Shaft Closure	IL Dept of Natural Resources	
			Identification and Evaluation of Aggregate Properties	Illinois Mining Company	
			Mine Planning/Reserve Assessment - Portland Cement Quarry	Lone Star Industries	
			McCook Quarry Acquisition	Metro Water Reclamation District	
			Reserve Valuation	Mobil Business Resources	
Georgia	Valuations - Limestone Quarry and Plant	Oglebay Norton Company	Surface Mine Feasibility Study	North Canton, LLC	
	Due Diligence - Mining Services Company	Confidential	Preparation of Illinois Basin Land Control Map	Pocahontas Land Corporation	
	Illinois	Assessment of Mineability of Reserves	AFC Coal Properties	Freight Tunnels Litigation	Robins, Kaplan, Miller & Ciresi
		Coal Reserve Lease Management	AFC Coal Properties	Geological/Technical Assistance - Sale of Underground Reserves	Rothschild/TVA
		Assistance in Identifying New Markets for Mine Pipe	Allied Tube and Conduit	Litigation Support - Preparation Plant Tax Issue	Sarnoff & Baccash
		Valuation - Underground Mining Reserves	Arch Coal, Inc.	Surface Mine Feasibility Study	Springfield Coal Company, LLC
		Underground Equipment Valuation	Arclar Coal	Underground Equipment Valuation	Sugar Camp Coal, LLC
		Reserve and Resource Studies - Underground and Surface Mines	Armstrong Coal Company	Technical Assistance - Underground Limestone Mining Plan	The Village of Bartlett
		Underground Mine Development Cost/Construction Schedule	Bank One	Underground Equipment Valuation	Western Fuels Association
		Chicago Flood Litigation - Tunnel Investigation	Clausen Miller		
Coal Slurry Impoundment Design		Consolidation Coal Company			
Reasonableness Review - Underground Mining Operation		Enron North America			
Reserve Assessment - Underground Mining Operation	Enron North America				
Property Valuation - Surface Reserves	First Star Bank				
Insurance Risk Assessments - Underground Longwall Mines	Foresight Energy				
Ash Disposal Study	Freeman United Coal Mining				

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Illinois	Assessment of Coal Transportation Infrastructure	Confidential	Illinois	Longwall Mining Assessment	Confidential	
	Coal Market Supply and Demand Study	Confidential		Market Study - Illinois Basin	Confidential	
	Coalbed Methane Gas Valuation	Confidential		Mine Design and Feasibility Study - Continuous Miner Operations	Confidential	
	Conceptual Mine Plans, Operating Costs and Capital for Continuous Miner and Longwall Mine Development	Confidential		Phase I Environmental Site Assessments	Confidential	
	Due Diligence - Evaluation of Longwall Mining - No. 6 Seam	Confidential		Potential Source of Fuel Supply for Proposed Power Plant	Confidential	
	Due Diligence - Turriss Coal Company	Confidential		Reasonableness Review - Continuous Miner and Longwall Operations	Confidential	
	Environmental Audit - Underground Mine Development	Confidential		Reserve Audit/Valuation No. 5 and No. 6 Seam Reserves	Confidential	
	Environmental Audit - Gas Transmission Facilities	Confidential		Reserve Study - Underground Longwall and Continuous Miner Property	Confidential	
	Environmental Phase 1 Audits - Underground Mining Operations	Confidential		Reasonableness Review - Longwall Mining Plans	Confidential	
	Evaluation/Due Diligence IGCC Project	Confidential		SEC - Reserve Study and Certifications	Confidential	
	Evaluation and Valuation - Longwall Mining Operations	Confidential		Section 45 Refined Coal Production Facilities - Due Diligence and Audits	Confidential	
	Evaluation of Underground Coal Seams and Reserves for Coal to Liquids Conversion	Confidential		Section 45 Refined Coal Production Facilities - Placed In Service/Due Diligence	Confidential	
	Exploration Program Coordination - Industrial Minerals	Confidential		Section 45 Refined Coal Production Facilities - Relocation	Confidential	
	Export Markets for Illinois No. 6 Seam and No. 5 Seam Coal	Confidential		Valuation - Underground Coal Holdings	Confidential	
	Fair Value - Longwall Mining Assets	Confidential		Valuation - Underground Continuous Miner and Longwall Operations	Confidential	
	Feasibility Studies - Longwall Mines	Confidential		Valuation of Water Rights	Confidential	
	Geological Evaluation - No. 5 and No. 6 Seams	Confidential		Valuation - Surface and Underground Mining Operations	Confidential	
	Geological Assessment of Mining Conditions - Underground Mine	Confidential		Ventilation Analysis Longwall Mine	Confidential	
	Governmental Impositions Claims - Underground Mining Operations	Confidential		Indiana	Operations Assessment - Underground Mine	First Chicago Capital
	Groundwater and Surface Water Assessment - Mining Operations	Confidential			Underground Mine Feasibility Study	Kentucky Stone Company
	Identify Purchasers and Sales of No. 5 and No. 6 Seam Reserves	Confidential			Mine Plan/Reserve Assessment - Portland Cement Quarry	Lone Star Industries
	Insurance Claim - Longwall Mining Equipment	Confidential			Coal Handling System Evaluation	NBD Bank
	Insurance Risk Assessment - Underground Longwall Mines	Confidential			Evaluation of a Proposed Limestone Quarry	NBD Bank
	Litigation - Chlorine Content Illinois Basin Coals	Confidential	Due Diligence - Underground Mining Operations		Confidential	
	Litigation Support - Coal Refuse Fines	Confidential	Evaluation of Adverse Geological Conditions - Underground Mine		Confidential	
	Litigation Support - Force Majeure	Confidential	Geologic Evaluation - No. 7, No. 5, No. 3 Seams		Confidential	
	Litigation Support - Land Company/Mining Company Dispute	Confidential	Litigation Support - Underground Mine Geology		Confidential	
	Litigation Support - Railroad Car/Chlorine Issue	Confidential	Placed In Service Certification - Refined Coal Production Facility		Confidential	
	Litigation Support - Sale of Fine Coal Refuse Property	Confidential	Reasonableness Review - Proposed Underground Mine	Confidential		
	Longwall Mine Feasibility Study	Confidential	Reasonableness Review - Proposed Surface Mine	Confidential		

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Indiana	Reserve and Resource Study - Proposed Underground Mine	Confidential	Kentucky	Coal Reserve Studies	Confidential
	Reserve and Resource Study - No. 7 Seam	Confidential		Coal Sales Contract Escalation	Confidential
	Section 45 Refined Coal Facilities - Due Diligence	Confidential		Coal Silo Failure Assessment	Confidential
	Surface Mine Assessment and Valuation	Confidential		Due Diligence - James River Coal Company	Confidential
Iowa	Surface Mine Feasibility Study	Confidential	Due Diligence - Surface and Underground Mining Operations	Confidential	
	Gypsum Mine Backfilling and Subsidence Analysis	U.S. Gypsum	Evaluation - Underground Mine, Elkhorn Seams	Confidential	
	Shaft Inspection - Facility Installation	U.S. Gypsum	Fair Value - Surface and Underground Mining Operations, Reserves and Assets	Confidential	
	Limestone Reserve Valuation	Confidential	Feasibility Study - Existing and Proposed Underground Mines	Confidential	
	Section 45 Refined Coal Production Facilities - Due Diligence, Facility Audits and Relocation	Confidential	Governmental Impositions Claims - Underground Mining Operations	Confidential	
Kansas	Mine Road Stabilization	Newco Properties	Litigation Support - Underground Mine Citations	Confidential	
			Litigation Support - Limestone Quarry Royalties	Confidential	
Kentucky			Litigation Support - Lost Coal Claim	Confidential	
	Reserve and Resource Study	Armstrong Coal Company	Market Analysis - High Sulfur Coal	Confidential	
	Coal Reserve Study	Cyprus Amax Coal Company	Mine Plan, Mine Closure, Financial Assistance - Chapter 11 Bankruptcy Underground Mining Operation	Confidential	
	Feasibility Study - Underground Mining Operations	Dorchester Coal	Mine Property Valuations	Confidential	
	Due Diligence, Acquisition Assistance - Costain Coal Co.	Duiker Mining Ltd.	Mining and Environmental Assessment of Surface and Underground Operations	Confidential	
	Reasonableness Review - Underground/Surface/Highwall Miner Operations	Enron North America	Phase I Environmental Assessment	Confidential	
	Surface Facility Design for a Proposed Underground Mine	Enterprise Coal Company	Property Valuation and Environmental Assessment	Confidential	
	Subsidence Litigation	Franklin, Gorman & Hobgood	Reasonableness Review - Contour Surface Mine	Confidential	
	Investigation - Development of a Sinkhole	Kosmos Cement Company	Reasonableness Review - Surface and Underground Mines	Confidential	
	Longwall Panel Assessment and Design	Lodestar Energy	Reserve and Resource Assessment and Valuation	Confidential	
	Stream Monitoring for a Surface Mine Permit	Martin County Coal Company	Reserve Audit for SEC Reporting	Confidential	
	Bardstown Quarry and Long Range Planning	Medusa Aggregates Company	Review of Aggregate Lease Royalties	Confidential	
	Surface Mining Reserves and Mine Feasibility Study	Medusa Aggregates Company	Section 45 Refined Coal Production Facilities - Due Diligence	Confidential	
	Reasonableness Review - Wheatcroft Reserve Area	SCB, LLC	Section 45 Refined Coal Production Facilities - Evaluation of Pond Fines Quantity and Quality	Confidential	
	Alleged Blasting Vibration Damage Litigation	Todd & Smith	Valuation - Surface/Underground Mines and Processing Facilities	Confidential	
	Evaluation and Audit of Coal Reserves	U.S. Generating Company			
	Litigation Support - Surface Coal Mining	Watkins, Ludlam & Stennis	Production Shaft Repairs Consultation	Akzo Salt	
	Analysis and Estimation of Reclamation Costs - Surface and Underground Mines	Confidential	Dolet Hills Lignite Mine Plan	Barlow & Hartner	
	Assessment - Underground Mine and Surface Infrastructure	Confidential	Construction Management - Shaft Sinking	Morton Salt	
			Louisiana		

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Louisiana	Due Diligence - Surface Mining Operation	Confidential	Montana	Evaluation of Surface Mineable Reserves	CBC Bank
	EOM Life Reclamation Liability Assessment and Estimation	Confidential		Feasibility Study - Underground Continuous Miner and Longwall Operations	CBC Bank
	Litigation Support - Sand Operation	Confidential		Property Valuation - Reserves and Surface Property	CBC Bank
	Section 45 Refined Coal Production Facility - Due Diligence/Placed In Service	Confidential		Exploration Program Carpenter Creek Seam	Carpenter Creek Coal
	Section 45 Refined Coal Production Facility - Inspections, Audits and Relocation	Confidential		Pre-Feasibility Study - Surface and Highwall Miner Operations	Carpenter Creek Coal
	Valuation - Deepwater Coal Export Terminal	Confidential	Resource Evaluation - Red Lodge Surface and Underground	Coal Mountain Mining	
Maryland	Wetland Delineation for Pipeline Construction	Mettiki Coal Company	Reserves/Life-of-Mine Review - Surface Mining	John Hancock Mutual Life Ins.	
	Section 45 Refined Coal Production Facilities - Due Diligence/Placed In Service	Confidential	Asset Appraisal of Bull Mountain Mine	Mountain, Inc.	
	Section 45 Refined Coal Production Facilities - Inspections, Audits and Relocation	Confidential	Litigation Support - Rank of Coal	Roundup Power Plant Project	
Michigan	Reasonableness Review of Limestone Quarry	Bank One	JORC Reserve and Resource Study - Longwall Mining Operation	Signal Peak Energy	
	Valuation - Dolomite/Limestone Quarry and Plant	Oglebay Norton Company	Arbitration - Contract Mine Price	Confidential	
	Valuation - Lime Kiln Plant and Limestone Quarry	Oglebay Norton Company	Assessment of Underground Coal Seams and Reserves for Coal to Liquids Conversion	Confidential	
	Operations Assessment - Limestone Quarry	Confidential	Coal Market Study and Reserve Estimate - Various Seams	Confidential	
	Quarry Design and Development Plan	Confidential	Contract Mining Feasibility - Metal Mine	Confidential	
Missouri	Field Supervision Limestone Exploration Program	Buzzi Unicem	Due Diligence Assistance - Proposed Underground Longwall Mine	Confidential	
	Quarry Mine Plan Development	Buzzi Unicem	Exploration Program Supervision	Confidential	
	Coal Supply Contract Renewal	Empire District Electric	Feasibility and Reserve/Resource Studies - Underground Mining	Confidential	
	Construction Compliance - Underground Limestone Mine	Gunther Nash	Longwall Mine Feasibility Study	Confidential	
	Limestone Reserve Estimate and Quarry Development Study	Lone Star Industries	Pre-Feasibility Study - Surface Mine	Confidential	
	Quarry Property Sale Assistance	Roark Creek Quarry Company	Reasonableness Review - Proposed Longwall Mining Operation	Confidential	
	Evaluation - Potential Fuel Source for a Waste Coal Power Plant	Confidential	Reserve and Mine Plan Analysis - Surface Coal Mine	Confidential	
	Phase I Environmental Assessment - River Dock	Confidential	Valuation - Underground Mine Assets	Confidential	
	Section 45 Refined Coal Production Facilities - Facility Audits and Relocation	Confidential	Nevada	Valuation - Nevada Gold Prospects	Confidential
Montana	Resource Evaluation and Coal Exploration Management	American Power Corporation	New Jersey	Pattenburg Quarry - Landslide Investigation	Addas & Potenza
	Pre-Feasibility Study - Otter Creek Area	Arch Coal, Inc.	New Mexico	Evaluation - Proposed Longwall Mine and Benchmark Parameters	BHP Minerals
	Mine Planning and Engineering Services	BMLC		Longwall Mining - Comparison of Equipment Capacities	BHP Minerals
	Coal Contract Evaluation	BMLC		Valuation of Mica Operations - Velarde Mountain	Oglebay Norton Company
	Valuation - Surface and Underground Mining Operations	BMLC	New York	Queens Tunnel - Support Analysis	City of New York

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North Carolina	Valuation - Mica Operations, Kings Mountain	Oglebay Norton Company	Oklahoma	Feasibility Study and Valuation of Planned Underground Mining Operation	Farrell-Cooper Mining Co.
	Operations Evaluation - Limestone Quarry	Confidential		Identify Purchasers and Facilitate Sale of Coal Resources	Farrell-Cooper Mining Co
	Section 45 Refined Coal Production Facilities - Audits	Confidential		Valuation - Limestone Quarry and Plant	Oglebay Norton Company
	Valuation Limestone Quarry	Confidential		Competent Persons Report - Underground Mining Operation	Confidential
North Dakota	Reserve Study and Evaluation	Knife River Corporation		Due Diligence - Surface Mining Operations	Confidential
	Lignite Lease Evaluation - Planned Surface Mine	Confidential		Evaluation and Valuation - Proposed Underground Mining Operation	Confidential
	Mine Property Evaluations	Confidential		Feasibility Study - Longwall Mining Operation	Confidential
	Surface Mine Planning and Cost Analysis	Confidential		JORC Reserve and Resource Study - Longwall Mining Operation	Confidential
Ohio	Litigation Support - Preparation Plant Construction	Dinsmore & Shohl		Reserve Audit for SEC Reporting	Confidential
	Coal Property Valuation	Huntington Bank		Reserve and Resource Studies Hartshorne Seam	Confidential
	Cost Estimate - Coarse and Fine Refuse Disposal	Murray Energy	Sale of Underground Metallurgical Coal Reserves	Confidential	
	Evaluation - Coal Refuse Disposal Plans	Murray Energy	Pennsylvania	Evaluation - Pennsylvania Coal Reserves	AFC Coal Properties
	Litigation Support - Valuation Underground Reserves/Gas Pipeline	Murray Energy		Valuation - Coal Reserves, Armstrong County	AFC Coal Properties
	Professional Opinion - Gas Pipeline, Effect on Underground Mining	Murray Energy		Valuation - Lower Kittanning Seam Reserves	AFC Coal Properties
	Rover Natural Gas Pipeline/Underground Mine Development and Valuation	North American Coal Company		Valuation - Pittsburgh Seam Reserves	AFC Coal Properties
	Coal Reserve Valuation	Confidential		Mine Planning - Aggregate and Lime Feedstock Quarry	Carneuse Chimie Mineral
	Due Diligence - Underground Mining Operation	Confidential		Geotechnical Analysis - Aggregate and Lime Feedstock Quarry Carneuse	Chimie Mineral
	Litigation - Force Majeure Claim	Confidential		Due Diligence Investigation - Potential Property Acquisition	Cline Resource and Dev. Co.
	Longwall Shield Inspections	Confidential		Underground Mirror Polishing Facility Design and Inspection	Contraves USA
	Longwall Shield Valuation	Confidential		Valuation - Limestone Quarry and Plan	Oglebay Norton Company
	Market Analysis - Ohio Coal	Confidential		Due Diligence and Evaluation - Anthracite Mining Operations	Confidential
	Reasonableness Review - Continuous Miner and Longwall Operations	Confidential		Due Diligence - Surface and Underground Mines	Confidential
	Reserve and Resource Study - Underground Mine Reserves	Confidential		Environmental Assessment of Anthracite Mining Operations	Confidential
	Section 45 Refined Coal Production Facilities - Due Diligence	Confidential		Government Impositions Claims - (MINER Act)	Confidential
	Supervisory Training - Industrial Minerals Company	Confidential		Identification of Coal Refuse Piles	Confidential
Underground Mining Assessment	Confidential	Identify Purchasers and Negotiate Sale of Coal Reserves		Confidential	
Valuation - Coal Preparation Plant	Confidential	Litigation Support - Coal Sales Agreement Force Majeure		Confidential	
Valuation - Coal Reserves	Confidential	Litigation Support - Longwall Mining/Pipeline Mitigation		Confidential	
		Mining Assessment of Anthracite Mining Operations	Confidential		
		Evaluation and Valuation of Underground and Surface Mining Operations and Coal Processing Plants	Confidential		

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Pennsylvania	Reasonableness Review - Anthracite Mining Operation	Confidential	Texas	Reasonableness Review - Dragline and Truck/Shovel Mine	Confidential	
	Reserve and Resource Study - Metallurgical Coal Property	Confidential		Significant Hazard Analysis - Surface Mine	Confidential	
	Valuation - Coal Preparation Plant	Confidential		Surface Mine Due Diligence	Confidential	
South Carolina	Litigation Support - Coal Contracts	Confidential	Utah	Surface Mine Plan Review	Confidential	
	Section 45 Refined Coal Production Facilities - Placed In Service	Confidential		Utility Cost of Fuel Study	Confidential	
	Section 45 Refined Coal Production Facilities - Inspections and Audits	Confidential		Valuation - Lignite Deposits	Confidential	
	Valuation - Granite Quarry	Confidential		Abandoned Coal Mine Reclamation	Dept. of Oil, Gas and Minerals	
Tennessee	Valuation of Limestone Quarry and Plant	Oglebay Norton Company		Due Diligence and Economic Analysis - Proposed Longwall Mine	Mitsubishi International	
	Coal Reserve Study	Confidential		Mine Plan Review and Economic Analysis - Longwall Mine	Mitsubishi International	
	Evaluation - Underground Mine Reserve	Confidential		Coal Market Analysis	Confidential	
	Section 45 Refined Coal Production Facilities - Due Diligence/Placed In Service	Confidential		Due Diligence - Surface Mining Operation	Confidential	
	Section 45 Refined Coal Production Facilities - Relocation	Confidential		Evaluation - Longwall and Continuous Miner Operations	Confidential	
Texas	MSHA and OSHA Training	ALCOA		Overview of Utah Coal Mining Industry	Confidential	
	Assessment and Estimation of EOM Life Reclamation Liability - Lignite Surface Mine	NRG		Reserve and Asset Valuation	Confidential	
	Mine Closure Study	San Miguel Electric Cooperative		Review of Underground Mine Plans	Confidential	
	Solicitation and Selection of a Surface Mine Contractor	San Miguel Electric Cooperative		Section 45 Refined Coal Facilities - Inspections and Due Diligence	Confidential	
	Analysis of Final Surface Mine Closure Plan	Confidential		Valuation of Underground Mine Reserves	Confidential	
	Benchmarking - Management Organization	Confidential		Virginia	Appraisal - Longwall Mining Equipment	Consolidation Coal Company
	Coal Transportation Study	Confidential			Reclamation Design for Numerous Abandoned Mines	Div. of Mined Land Reclamation
	Dragline Appraisal	Confidential	Due Diligence - Underground/Highwall Mining Operation		Enron North America	
	Dragline Productivity Assessment	Confidential	Virginia	Valuations - Limestone Quarry and Plant	Oglebay Norton Company	
	EOM Life Reclamation Liability Assessment and Estimation	Confidential		Arbitration - Lost Coal Claim	Confidential	
	End of Mine Life Closure Costs - Surface Mining Operations	Confidential		Conveyor Belt Analysis - Underground Mines	Confidential	
	Forecast of PRB FOB Coal Price and Transportation to Texas	Confidential			Geologic Evaluation - Underground Minable Coal Seam	Confidential
	Identification of Surface Mine Reclamation Contractors	Confidential			Litigation - Force Majeure Claim	Confidential
	Litigation Support - Surface Mining	Confidential			Reserve and Resource Estimation – Underground Mineral Reserves	Confidential
	Operations Audit - Productivity and Cost Improvement	Confidential			Review of Mining Industry's Economic Impact	Confidential
	Operation Assessment - Surface Mine	Confidential	Time Study Analysis - Underground Continuous Miner Mines	Confidential		
	Pre-feasibility Study - Multiple Seam Lignite Deposit	Confidential				

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Washington	Coal Mine Shaft Closure Design	OSM	West Virginia	Arbitration Mine Closure Costs -Surface Mine	Confidential
West Virginia	Coal Reserve and Resource Study	Amvest Minerals, Inc.		Asset Appraisal - Preparation Plants and Coal Handling Facilities	Confidential
	Coal Reserve and Resource Study	Arch Coal, Inc.		Asset Valuation Surface and Underground Mining Operation	Confidential
	SEC Reserve Study - Surface and Underground Mining Operations and Properties	Blackhawk Mining, LLC		Coal Reserve Studies	Confidential
	Coal Reserve and Resource Study	Bluestone Coal		Development of Surface Mine Plan Using Truck/Shovel Equipment	Confidential
	Reserve Estimate - Underground Mines	Brook Trout, LLC		Due Diligence - Metallurgical Coal Reserves and Resources	Confidential
	Valuation - Coal River Loading Dock	Brook Trout, LLC		Due Diligence of Pen Coal Company	Confidential
	Reasonableness Review - Underground Mine	Cline Resource and Development		Due Diligence - Potential Underground Mining, Freeport Seam	Confidential
	Reserve Evaluation/Geologic Model	Cline Resource and Development		Due Diligence and Reasonableness Review - Surface and Underground Mining Operations	Confidential
	Reserve Estimate - No. 2 Gas and Powellton Seams	Cline Resource and Development		Environmental Phase 1 Audits	Confidential
	Reserve Estimate - Powellton and Eagle Seams	Cline Resource and Development		Due Diligence Surface Mining Operation	Confidential
	Reserve Estimate - Underground/Surface/HWM Mines	Cline Resource and Development		Evaluation - Highwall Miner Operation	Confidential
	Fair Market Value - Coal Reserves	Dartmouth College		Fair Value Appraisal - Underground and Surface Mining Equipment and Infrastructure Facilities	Confidential
	Reclamation Design for Numerous Abandoned Mines	Dept. of Environ. Protection		Feasibility Study - Surface and Underground Mining Operations	Confidential
	Analyze Water Inflow Problem - Longwall Operation	Eastern Associated Coal Corp.		Geologic Evaluation - Underground/Surface	Confidential
	Multiple Seam Underground Coal Mine Optimization	Eastern Associated Coal Corp.		Governmental Impositions Claims - (MINER Act)	Confidential
	Operations Assessment - Big Mountain/Robin Hood Business Unit	Eastern Associated Coal Corp.		Governmental Impositions Claims - Underground Mining Operations	Confidential
	Operations Assessment - Lightfoot Business Unit	Eastern Associated Coal Corp.		Litigation Support - Contract Mining	Confidential
	Analysis of Coal Loading River Docks	Enron North America		Litigation Support - Equipment Damage - Surface Mining	Confidential
	Analysis of Water Inflow Problems - Continuous Miner Operation	Enron North America		Litigation Support - Force Majeure, Highwall Mining Operation	Confidential
	Evaluation - Proposed Underground Coal Mining Operation	Enron North America		Litigation Support - Limestone Mine Roof Fall	Confidential
	Reasonableness Review/Valuation - Underground Mines/Facilities	Enron North America		Litigation Support - Sale of Underground Reserves	Confidential
	Litigation Support - Mountaintop Mining/Flood Issues	Foundation Coal		Litigation Support - Surface Mining	Confidential
	Mining Equipment Appraisals - Draglines	Magnum Coal Company		Litigation Support - Underground Mine Lost Coal Claim	Confidential
	Reasonableness Reviews Surface and Underground Mining	RAMACO, LLC		Longwall Mineability Assessment	Confidential
	Reserve and Resource Studies	RAMACO, LLC		Market Studies - Pittsburgh Seam Coal/CAPP and NAPP Regions	Confidential
	Coal Property Valuations	Sarah Scaife Foundation		Mine Closure Cost Analysis	Confidential
	Litigation Support - Underground Mine, Subsidence and Hydrology	Steptoe & Johnson		Phase I Environmental Assessment - Underground/Surface Mines	Confidential
	Reserve Estimate - Coalburg Seam	Trout Coal Holdings, LLC		Reasonableness Review - Long Range Mine Plan	Confidential
	Annual Audit - Anker Energy Sentinel Mine	U.S. Generating Company		Reasonableness Review - Underground/Surface Mines	Confidential
	Arbitration Final Mine Closure Analysis - Surface Mine	Confidential			

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West Virginia	Reasonableness Review - Longwall/Continuous Miner/Highwall Miner	Confidential	Wyoming	Reserve Estimate SEC Certification	Confidential	
	Reasonableness Review/Environmental Assessments - Trout Coal	Confidential		Reasonableness Review and Valuation of Powder River Basin Mining Operations	Confidential	
	Reserve and Resource Study - Kittanning Seam	Confidential		Reasonableness Review Waste Coal Power Plant Project	Confidential	
	Reserve and Resource Study - Underground and Surface Properties	Confidential		Valuation of Large Surface Mining Equipment	Confidential	
	Reserve Audit for SEC Reporting	Confidential		Eastern USA	Asset Appraisal - Zeigler Coal	AEI Holding Co., Inc
	Valuation - Coal Reserves/Oil and Gas/Timber/Real Estate	Confidential			Operational Audit/Due Diligence Investigation - Coastal Coal	Beacon Invest. Group/Mapco
	Valuation - Underground Mining Operation	Confidential			Reasonableness Review and Phase I Environmental Assessment	Horizon Natural Resources
Wisconsin	Conceptual Mine Plan - Iron Ore Projects	Confidential	Landfill Acquisition Assistance	Phoenix Land Company		
	Exploration Plan - Iron Ore Property	Confidential	Reasonableness Reviews - Longwall/Contour Mine Operations	Phoenix Land Company		
	Resource Evaluation - Iron Ore Property	Confidential	Rock Quarry Acquisition Assistance	Phoenix Land Company		
Wyoming	Offering Memorandum - Sale of PRB Surface Mine	AEI Holding Co., Inc.	Government Imposition Analysis - Surface Mining Operations	Regulated U.S. Utility		
	Litigation Support - Acquisition Synergies	Arch Coal, Inc.	Advisor to Unsecured Creditors Committee	Lodestar Energy, Inc.		
	Evaluation of Joint Venture Synergies - Surface Mining Operations	Arch Coal/Peabody Energy	Due Diligence - AEP Mining Operations	Confidential		
	Coal Mine Grouting Project	Department of Environ. Quality	Due Diligence - Amvest	Confidential		
	Hard Rock Mine Shaft and Audit Subsidence Assessment	Dept. of Environ. Quality	Due Diligence - River Docks	Confidential		
	Safety Audit for an Underground Trona Mine	General Chemical	Due Diligence - US Steel Mining Co., Inc.	Confidential		
	Longwall Feasibility Study - Trona Mine	TG Soda Ash	Due Diligence and Reasonableness Review - Underground Longwall Mine	Confidential		
	Reasonableness Review and Valuation - PRB Mining Operation	Confidential	Fair Value Appraisal - Underground and Surface Mining Equipment and Infrastructure	Confidential		
	Audit of Trona Mine Ground Control Program	Confidential	Phase I Environmental Audits - Surface of Underground Properties	Confidential		
	Coal Reserve Study	Confidential	Reasonableness Reviews - Underground/Surface/Highwall Mining Operations	Confidential		
	Dragline Appraisal - PRB Surface Mine	Confidential	Reasonableness Review - Trinity Coal	Confidential		
	Due Diligence - Coal/Gas MLP Solicitation	Confidential	Reserve and Resource Studies - Surface and Underground Mines and Properties	Confidential		
	Due Diligence - PRB Surface Mining Operations	Confidential	Evaluations - Refined Coal Production Facilities	Confidential		
	Equipment/Asset Valuation - PRB Surface Mine	Confidential	Valuation - Coal Stockpiles	Confidential		
	Evaluation of Coal Drying Facility	Confidential	East/West USA	Due Diligence - Surface Mine	Cyprus Amax Coal Co.	
	Evaluation of the Thundercloud Tract	Confidential		Synfuel Facility Evaluation	Earthco	
	Litigation Support - Haul Truck Capacity and Operating Cost	Confidential		Advanced Supervisory Training Course - Aggregate Industry	NSSGA	
	Mining Lease Reasonableness	Confidential		Supervisory Training Course - Aggregate Industry	NSSGA	
	Pre-feasibility Study - PRB Reserves	Confidential		Reasonableness Review - Underground/Surface Mining Operations	PNC/JP Morgan	

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East/West USA	Due Diligence Study - Underground and Surface Mining Operations	Pittsburgh & Midway Coal Co.	Western USA	Reasonableness Review - Arch Coal, Inc./ARCO	PNC Bank/ JP Morgan
	Longwall Benchmarking Study	Rio Tinto Technical Services		Coal Market Study - Utah	Confidential
	Analysis of US and Global Coal Markets	Confidential		Due Diligence - Soda Ash Mining Company	Confidential
	Coal Market Analysis - Supply and Demand	Confidential		Evaluation - Coal Transportation - Montana, Utah, Colorado	Confidential
	Competent Persons Report - Underground Metallurgical Coal	Confidential		Litigation Support - Surface Mine Operation Synergies Montana	Confidential
	Due Diligence - RAG Mining Operations	Confidential		Market Study - Coal Producers in Utah, Colorado, Montana	Confidential
	Due Diligence Longwall Service Company	Confidential		Reserve and Resource Study - Northern Powder River Basin Wyoming	Confidential
	Due Diligence - Underground and Surface Mining Operations	Confidential		Reserve Audit/Reasonableness Review - Montana	Confidential
	Due Diligence Investigation - Kerr McGee Mining Operations	Confidential		Reserve Study - Underground Mining Properties Colorado	Confidential
	Due Diligence Investigation - P&M Coal Mining Operations	Confidential			
	Due Diligence Investigation - Zeigler Coal Mining Operations	Confidential	Albania	Audit of Serpentine Reserves	Confidential
	Evaluation of a Mine Services Company - Mine Safety and Ground Stability Products	Confidential	Australia	Longwall Mining Subjacent to High Density Housing Developments	BHP Billiton
	Evaluation of Existing and Planned Coal Export Terminals	Confidential		Subsidence Analysis	IMCL/ARCO Gordonstone
	Identify Coal Reserves Suitable for CTL Projects	Confidential		US Bord and Pillar Mine Productivity Benchmarking	International Mining Consultants (PTY) Ltd.
	Manager - Refined Coal Production Facilities	Confidential		US Longwall Statistics Comparison	Rio Tinto Technical Services
	Market Analysis - US Coal Industry	Confidential		Longwall Feasibility Study Overview	Savage Resources Limited
	Market Assessment - High Vol Metallurgical Coal	Confidential		Benchmark US Longwall Mines for Australian Coal Producer	Confidential
	Mine Project Discount Rate Survey	Confidential		Coal Market Analysis - Supply and Demand	Confidential
	Phase I Environmental Assessment - Surface and Underground Mines	Confidential		Develop Exploration Program - Underground Coal Holdings Bowen Basin	Confidential
	Reserve and Resource Studies Surface and Underground Mining Operations	Confidential		Due Diligence - Dragline Mining Operation	Confidential
Reasonableness Review - Underground/Surface Mining Operations	Confidential	Due Diligence Investigation - Gordonstone		Confidential	
SEC Reserve Certifications	Confidential	Reasonableness Review - Rare Earth Minerals	Confidential		
Section 45 Refined Coal Production Facilities - Due Diligence	Confidential	Reasonableness Review - Surface Mining Operations	Confidential		
Section 45 Refined Coal Production Facilities - Placed In Service	Confidential	Reserve and Resource Evaluation - Galilee Basin	Confidential		
Surety Bonds - Underground/Surface Mining Operations	Confidential	Valuation - Coal Holdings Southern Queensland	Confidential		
US Coal Mining Industry - Market Dynamics	Confidential	Valuation - Surface Mining Equipment	Confidential		
Valuation - US Coal Mining Company	Confidential				

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Bolivia	Economic Analysis for an Underground Bismuth Mine	Corriente Resources, Inc.	Chile	Surface Mine Design for an Industrial Mineral Deposit	Boron Chemicals International
Brazil	Coal Supply Analysis, Mine Cost Review and Reserve Certification	Confidential		Contract Mining Proposal Assistance	Fluor Daniel Mining & Metals
	Due Diligence - Surface Mining Operations	Confidential		Arbitration - Underground Longwall Mine	Confidential
Canada	Competent Persons Report and Technical 43-101 Report	Grande Cache Coal Company	China	Arbitration - Valuation Underground Mine Reserves	Confidential
	Operation Assessment - Underground Mine	Grande Cache Coal Company		Feasibility Analysis - Underground Mining Operations	Confidential
	Due Diligence Investigation of Underground Coal Mine	Luscar, Ltd.		Technical Evaluation Underground Coal Mines	Confidential
	Economic Assessment - Planned Met Coal Surface Mining Operation	North Coal Limited	Colombia	Arbitration - Surface Mine Production Capacity	Drummond Company
	Valuation - Limestone Underground, Surface Operations/Plant	Oglebay Norton Company		Due Diligence - Drummond Mining Operation	Confidential
	NI 43-101 Reserve and Resource Studies - Donkin Property	The Cline Group		Evaluation of Metallurgical Coal Reserves and Resources	Confidential
	SEC Reserves and Reasonableness Review Donkin Property	The Cline Group	Czech Republic	Reserve Sufficiency and Mine Feasibility Study	NRG Energy - (Kladno)
	SEC Reserves Estimation - Coalspur	The Cline Group		Evaluation - Coal Feedstock Supply, Mine Mouth Power Plant	Confidential
	Stability Analysis - Donkin Underground Mine	The Cline Group	Ghana	Supervise Field Samples for Prospective Gold Properties	Golden Rule Resources, Ltd.
	Surface and Underground Mineable Resources	The Cline Group	Honduras	Valuation - Mining Operation Assets	Confidential
	Technical 43101 Report - Northwest Territories Properties	West Hawk Development Company	India	Benchmarking/Operational Analysis - Surface Mines	Coal India Limited
	Technical 43101 Report - Nunavut Territories Properties	West Hawk Development Company		Productivity/Cost Improvement - Surface Mines	Coal India Limited
	Technical 43101 Report - Groundhog Territories Properties	West Hawk Development Company		Analysis - Proposed Blasting, LNG Terminal Regas Facility	Enron North America
	Competent Persons Report - Surface Mining Operations	Confidential		Alumina Plant Bauxite Supply Feasibility Study	Raytheon Engineers
	Due Diligence - Grande Cache Coal	Confidential		Assessment of Import Coal and Coal Source Study	Confidential
	Evaluation - Underground Mine Plan	Confidential		Technical Assistance - Evaluation of US Coal Mining Operations	Confidential
	Operations Assessment - Surface and Underground Mining Operation	Confidential	Indonesia	Evaluation of Surface Coal Mining Operations	Confidential
	Rare Earth Mineral Study	Confidential			
	Reasonableness Review - Western Canadian Coal	Confidential			
	Technical 43101 Report - Underground Mining Operations	Confidential			
	Valuation of Surface and Underground Mineable Operations and Properties	Confidential			

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Kazakhstan	Coal Reserve and Resource Study	Confidential	Trinidad & Tobago	Aggregates Industry Restructuring Study	Ernst & Young
	Evaluation - Gold Properties	Confidential		Quarry Exploration and Planning	Trinidad Cement Limited
Mexico	Evaluation - Gold Mining Properties	Confidential		Reasonableness Review - Quarry Operation Productivity/Costs	Confidential
Russia	Voronstovka Gold Project Feasibility Review	Cyprus Minerals	United Kingdom	Due Diligence - Underground Potash Mining Operation	Confidential
Slovakia	Preliminary Due Diligence - Underground Coal Mining Operations	Confidential		Due Diligence and Productivity Assessment - Underground and Surface Mining Operations	Confidential
				Reasonableness Review - Underground Mining Operation	Confidential
South Africa	Due Diligence Investigation/Competent Persons Report	Duiker Mining Ltd.			
	Operations and Benchmark Analysis, Operations Assessment and Cost/Productivity - Underground Mining Operations	ESKOM			
	Evaluation - Coal Supply Contracts	ESKOM			
	Independent Technical Review and Competent Person Report	Xstrata			
	Assessment of Underground and Surface Mining Operations	Confidential			
	Coal Market Analysis - Supply and Demand	Confidential			
	Evaluation and Valuation - Underground Mining Operations	Confidential			
	Health and Safety Inspectorate Review	Confidential			
	Reserve Evaluation and Conceptual Surface Mine Plan	Confidential			
	Technical Review/Evaluation - Surface and Underground Mines	Confidential			
Spain	Assessment - Economic Viability - Potash Mining Operations	Confidential			
	Assessment - Mine Plans - Potash Mining Operations	Confidential			
	Geologic Modeling and Mine Development - Potash Mines	Confidential			
	Operations Assessment/Geologic Evaluation - Potash Mines	Confidential			
	Preliminary Evaluation - Sized Stone Quarry	Confidential			

PUBLICATIONS

- Barata, F., 1999, “Hydraulic Excavator Versus Wheel Loader,” COAL OPS 1999, 8 -9, April, Knoxville, Tennessee.
- Barata, F., 2000, “Dismantling and Erection of Draglines and Other Major Equipment,” COAL OPS 2000, 22 -23, June, Beckley, West Virginia.
- Blandford, T., 2000, “Mine Development Costs,” COAL OPS 2000, 22 -23, June, Beckley, West Virginia.
- Huber, J. W., 2000, “An Assessment of Operation and Maintenance for Opencast Mines in India,” Careers in Coal, 18, March, Hilton Head, South Carolina.
- Sabo, J. W., 2000, “Moving the Goal Posts,” World Coal Magazine, September, pp. 31 -36. (Increase in Longwall Productivity and Production in North America).
- Kostic, D. N., 2000, contributor, “Coal Mining Outlook, International, National and Virginia Trends,” Virginia Center for Coal and Energy Research, Virginia Polytechnic Institute and State University, November, Report No. 2000-01.
- Dwosh, D.M., 2004, “Looking Back, Looking Forward,” American Longwall Magazine, December, pp. 30 -34 (Past Current and Future Longwall Mining)
- Duchek, A.B., McBride, J.H., Nelson, W.J. and Leetaru, H.E., 2004, “The Cottage Grove Fault System (Illinois Basin): Late Paleozoic Transpression Along a Precambrian Crustal Boundary”, pp. 1465-1484, Geological Society of America Bulletin, 116:11.



Weir International, Inc.
Mining, Geology and Energy Consultants

Chicago Corporate Office

Executive Tower West I

1341 Opus Place, Suite 210

Downers Grove, Illinois 60515

Tel: 630.968.5400

Fax: 630.968.5401

E-mail: weir@weirintl.com

www.weirintl.com