

# SURFACE MINE PLANNING SERVICES



Weir International, Inc.

Mining, Geology and Energy Consultants



## Areas of Expertise:

- ◆ Due Diligence Investigation
- ◆ Equipment Appraisals, Operations and Facilities Valuations
- ◆ Equipment Selection and Productivity
- ◆ Equipment, Mining System and Haulage Comparisons
- ◆ Feasibility Studies
- ◆ Highwall Stability Analysis
- ◆ Hydrologic Investigations and Remedial Design
- ◆ Litigation Support and Expert Witness Testimony
- ◆ Mine and Infrastructure Design
- ◆ Reasonableness Review Studies
- ◆ Reclamation Planning and Environmental Compliance



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The competitive environment that exists in the mining industry results in companies striving to develop and maintain safe, highly productive, and cost effective operations. WEIR understands the regulatory environment under which the United States and international mining industries operate and the issues with conducting mining in various regions. WEIR has conducted engineering and operations studies throughout the mining regions of the United States and internationally. Our mine planning services provide a thorough evaluation of an existing or planned mine, including determination of geology, reserves and resources, resource quality, production and productivity, labor requirements, equipment selection, scheduling, operating costs, capital expenditures, and operations and infrastructure value.

WEIR's surface mining specialists have significant engineering and operations experience in all types of coal, industrial minerals, lignite, and metal mines, ranging from small contour mining operations to large truck/shovel and dragline mining operations. We have experience with multiple seam mining, dipping seams, adverse hydrologic and geotechnical conditions, equipment selection and productivity, and highwall mining. Services that WEIR provides to companies conducting surface mining, range from exploration through feasibility studies, including equipment specifications, contract miner selection, and quality sequencing.

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