MINING & QUARRY **SERVICES**

KU Resources has provided engineering and operational assistance to the quarry and surface mining industry for many years. We offer services ranging from initial siting of facilities, geologic investigations, and hydrogeologic assessments to compliance monitoring that ensures our clients' operations meet State and Federal environmental regulations.

MINING AND QUARRY SERVICES

Our staff of engineers and scientists provide viable and cost-effective solutions for the technical, regulatory, policy, and compliance issues that challenge the industry today. Our solutions employ innovative, practical approaches to optimize environmental and operational performance of the facilities.

OPERATIONS AND PERMITTING

- Site development and operation plans
- Mine permitting
- Stream encroachment studies and permitting
- Erosion and sedimentation controls and permitting
- Dam design and permitting
- Geotechnical engineering and investigations
- Slope stability assessments
- Foundation engineering construction quality assurance/quality control
- Reclamation plans
- Wetland mitigation programs

SITING

- Planning studies
- Well supply studies
- Site feasibility studies
- Water quality surveys
- Wetland delineation
- Pre- and post-blasting structural surveys

GEOLOGY

- Geologic mapping
- Reserve determination
- Rock quality determination
- Radiological monitoring

HYDROGEOLOGY

- Hydrogeologic investigations
- Water resources evaluations
- Alternative water supply development

WATER RESOURCES

- National Pollutant Discharge Elimination System (NPDES) water quality monitoring and permitting
- Water quality sampling, analyses, and reporting

AIR RESOURCES

- Air quality permitting
- Air quality monitoring, record keeping, and reporting