

Client Profile

Confidential Metallurgical Coal Mining Company • Pennsylvania

Client Overview



Client: Confidential Metallurgical Coal Mining Company

End market(s): Metallurgical Coal/Mining, Steel production

Practice area(s): Environmental, Infrastructure-Civil, Infrastructure-Water, Infrastructure-Wastewater, Compliance

Services provided:

- Mine reserve analysis, mine engineering, coal refuse disposal design, noise studies
- Surveying (conventional and drone), geotechnical
- Environmental permitting—mining, plant preparation
- Natural resources (wetlands and streams), air (particulates)

Service area(s): Pennsylvania

Engagement Date: 2009 to Present

Challenge

When this firm was formed as a spinoff of a company with which we had been working for 23 years, the firm's staff immediately turned to Apex to support its environmental and infrastructure needs. With an urgent need to bring several mine sites into production, the client required both reserve analysis and permitting support.

Solution

Apex went to work immediately providing assistance with permitting and construction oversight of the client's mine sites. Our role initially involved performing design engineering for one deep mine site but steadily grew as the client expanded and acquired additional sites. Over the course of the past 14 years, we have supported reserve verification, permitting and design, and ongoing mine support for six deep mines, a coal preparation plant, a coal refuse disposal site, and a three-mile rail line extension, and we are currently involved in expanding the coal preparation plant and coal refuse disposal site for the client.

To provide some perspective, the deep mines are about 100 acres on the surface with underground areas of 1,000-4,000 acres. The work involves challenging conditions posed by the physical nature of the mine environment, and, therefore, requires our staff's consistent focus on each site's specific safety needs and implementation of stringent safety precautions (all of our onsite workers are trained and certified by Mine Safety and Health Administration [MSHA]).

In addition to our technical scope of work, Apex provides the client with support in liaising with non-governmental organizations (NGOs) and regulatory agencies to promote the smooth and continued operation of its facilities and favorable public relations. We do this by educating the public and taking extra care and consideration for specific natural environmental factors at each site.

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Results

Apex provides complex geologic/hydrogeologic evaluations and environmental impact studies to assist the client in safeguarding the environment and preserving the natural resources in proximity to its operations, assisting our client with maintaining excellent relationships with diverse stakeholders. In addition, we provide engineering design and permitting to ensure maximized, uninterrupted operations and mine-output which is invaluable to the client's profitability and bottom line. The client has continuously provided Apex with feedback regarding the quality of our work; they have rated our attention to detail, service, and technical expertise as top in the industry.



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