

MERCEDES MINE

Project Development
Northern Sonora, Mexico

Client:

Yamana Gold, Inc.

Contract Value:

\$30,000

Performance Period:

October 2007 –
January 2008

Technical Areas:

- Project Piloting
- Solid Waste Management
- Environmental Infrastructure
- Water Resources
- Geotechnical, Geology and Hydrogeology

Successes:

Provided conceptual siting analysis that incorporated environmental and future closure issues



BACKGROUND

Yamana Gold, Inc. is planning development of a gold and silver mine to recover values from the Mercedes deposit located in Northern Sonora, approximately 75 kilometers southeast of the City of Magdalena de Kino. Yamana is performing drilling to define the resource and preparing conceptual design for input to the project feasibility study.

SES ROLE

As part of a team of mine development experts, SES was requested to provide conceptual siting for potential major facilities needed to support the proposed project.

SES personnel visited the site with the team and prepared conceptual siting and grading for the Process Plant, as well as siting alternatives and conceptual designs for:

- Two Heap Leach Pad locations
- Five Overburden Disposal Pile locations
- Three Tailings Management Facilities locations

SES also suggested siting for a collection and storage reservoir to supply project process water.



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