



Idaho Department of Environmental Quality Pollution Prevention Champion

New Jersey Mine
Kellogg, Idaho
2014

Environmental Commitment

The New Jersey Mine is pioneering new pollution prevention efforts at its ore processing facility in Kellogg, Idaho. The Silver Valley has long been one of the world's most productive mining areas, and the New Jersey Mine has committed to reducing the impact that mining operations have on the environment. By changing the way that ore is processed, the company has significantly reduced its water use and improved mineral extraction.

Pollution Prevention Success

The New Jersey Mine's ore processing operation is an example of innovation leading to pollution prevention success. Using new methods to improve resource efficiency is one of the many ways companies can reduce their environmental impact.

Reducing Water Use

The New Jersey Mine uses a paste tailings storage to both improve disposal and increase water recovery from its ore-processing operations. Once ore has been processed, the tailings are dewatered for storage and the water is reused in-process. This approach creates several benefits to the mine. First, tailings disposal is improved by eliminating the need for retention ponds and reducing the risk of release and contamination of nearby surface waters. Second, by dewatering the tailings pile, water used for processing can be reused, which creates additional economic and ecological benefits. The reduction in overall water consumption effectively increases the water available from the water source, allowing it to be retained for future uses or to serve ecological functions in rivers and streams. Additionally, by reducing the need to dispose of wastewater, the company is reducing pollution loads to surface waters or to retention ponds for storage. At full capacity, the company's ore-processing methods save over 50 million gallons of water per year, or the combined equivalent water use of over 350 households per year.

For More Information

To learn more about the New Jersey Mine and its pollution prevention efforts, visit the company's website at <http://newjerseymining.com>.