ABANDONED URANIUM MINE REMEDIATION

Proven Technology. Real Results. Lasting Impact.

ABANDONED URANIUM MINES (AUMS): A CRITICAL CHALLENGE

There are over 15,000 sites across the western United States associated with Abandoned Uranium Mine (AUM) waste, remnants of the extensive Cold War-era uranium mining. These contaminated sites pose long-term health and environmental risks. Traditional remediation has historically been too costly, requiring full waste removal or ineffective capping.

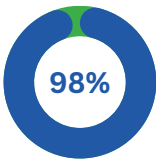
A NEW SOLUTION FOR AUM CLEANUP

DISA Technologies is a Wyoming-based company using innovative High-Pressure Slurry Ablation (HPSA) technology to safely and cost-effectively remediate uranium contamination. HPSA is the only waste minimization technology validated by the U.S. Environmental Protection Agency to clean-up AUMs.

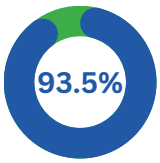
HPSA: Revolutionary Remediation

- Removes up to 98% of uranium and 93.5% of radium from mine waste.
- No chemicals—uses high-pressure particle collisions to separate contaminants.
- 90%+ of uranium is recovered in less than 30% of the original waste mass, dramatically reducing disposal costs.
- 85% of material is left clean and safe onsite, minimizing environmental impact.
- 80% cheaper than traditional methods and reduces heavy truck traffic by 70%, protecting local roads and communities.

HPSA Skid



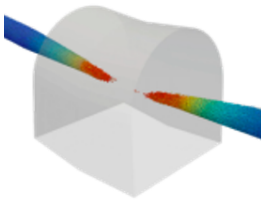
OF URANIUM LEVELS REDUCED BY DISA



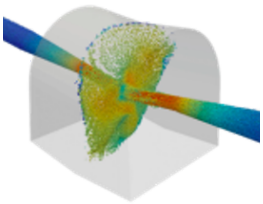
OF RADIUM LEVELS REDUCED BY DISA

HOW IT WORKS

DISA's patented technology, High-Pressure Slurry Ablation (HPSA), efficiently separates uranium and radium for maximum efficiency.



Slurry streams (feed material + water) are collided using impinging nozzles



Mechanical process (i.e., no chemicals) leveraging particle-particle collisions

1 Waste rock is collected and fed into a HPSA machine, where it's mixed with recycled water to form a slurry.

2 Inside the system, high-pressure slurry jets force high impact rock collisions, freeing uranium while separating out harmful contaminants from the host rock.

3 The processed material is then screened and filtered—clean sand and rock can be safely returned to the land, while the uranium is separated and removed.

A SCALABLE, COST-EFFECTIVE SOLUTION

DISA's HPSA technology can rapidly deploy at AUM sites across the Western United States to clean up uranium waste at a fraction of the cost of traditional methods.

DISA is working with tribal, state and federal agencies to solve the uranium contamination crisis. Together we can clean up the past while powering the future.

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