

A.R.S -Heap Leaching Technology

***ARS Evaporation
Floating System
Mining Solutions
Products
For Tailings Dam
and Ponds***



***Tailing Dam Evaporation
Water Management System***

ARS Floating Evaporation System

Water Management Systems

Dewatering Waste Water Evaporation

Water management and controlling the excess wastewater in the tailings dams is becoming more critical and challenging for the Mines and for the environmental.

Tailings dams requires large areas to naturally evaporate the water and concentrate all solids , minerals and salts in the tailings dams.

Additional challenge that the Mines has to deal with is the rainy season, In those areas where the rainfall is very high, it can lead to complex residue storage design.

ARS has developed a floating evaporation surfacing system to address the problems of excess water in the Mining production processes.

ARS manufacture and design the complete floating evaporation systems with the optimum components for maximum system evaporation performance in order to provide the most efficient evaporation system. moreover, this evaporation system requires lowest labor costs and provides maximum hydraulic performance so the designed evaporation solution application is throughout the entire ponds / tailings dam.

ARS evaporation system made from thermoplastic collapsible the pipe constructed from premium polyethylene (HDPE), the pipe system is highly portable, flexible and lightweight, thereby reducing manpower, freight and maintenance. ARS evaporation system is able to withstand the most stringent climatic (acid resistant) and environmental conditions.



ARS Floating Evaporation System

Features and benefits:

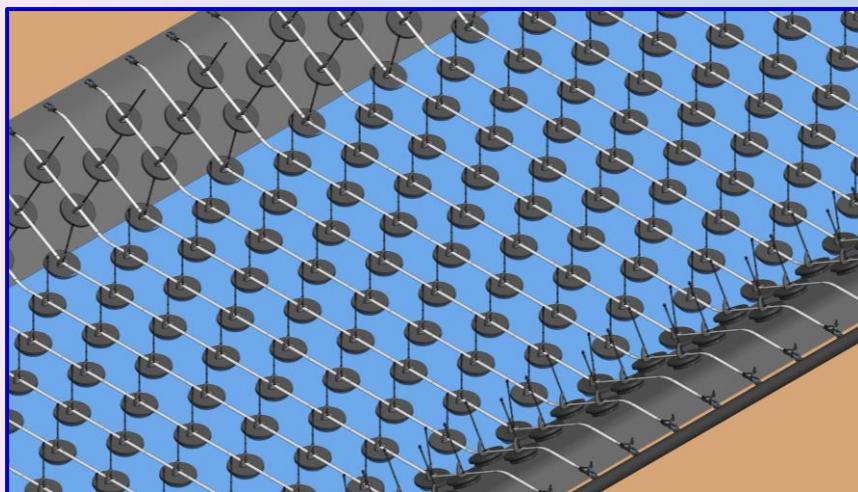
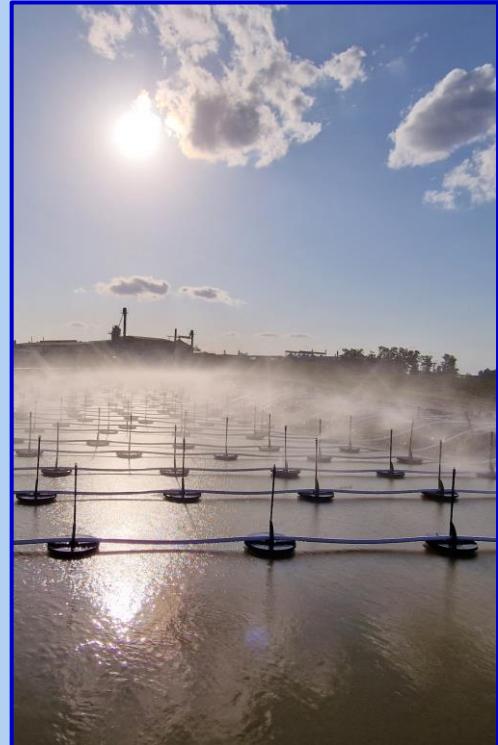
- Water drop icon: The pipe system and the integral floating system are made of 100% Polyethylene HDPE, totally recyclable material.
- Water drop icon: Easy to install, lower installation costs, no need any special equipment or tools.
- Water drop icon: High chemical and UV resistance.
- Water drop icon: Low pressure applications (3 bar working pressure).
- Water drop icon: Non required electricity, air or controller panels.
- Water drop icon: Reducing the operating expenses,
- Water drop icon: Lower operating costs.
- Water drop icon: Highly evaporation performance (H_2O).
- Water drop icon: Solves the problems with the environment.
- Water drop icon: Environmentally friendly.
- Water drop icon: Safe and effective treatment of mining waste water products, Safe to the operators.
- Water drop icon: A highly flexible solution, (Any amount of evaporation)
- Water drop icon: Smaller land area for the same evaporation rates in tailings dams.
- Water drop icon: Reduce the size for new tailings dams to lower capital expenditure.
- Water drop icon: Extend the life of existing tailings dams, instead of building a new dam.
- Water drop icon: Evaporation floating distribution on any liquid surface.
- Water drop icon: Automatic adaptation to water level changes.
- Water drop icon: Low running cost, Low maintenance cost.
- Water drop icon: Free design, Consulting and support along with our after sales.



Raw material-

The system manufactured from:

- The Floating Stand= HDPE
- Flexible Distribution Pipe= HDPE
- Control valves = Polypropylene
- Connectors = Polypropylene



ARS Floating Evaporation System

**High Efficiency
Evaporation
Floating
System**



Tailings Water Evaporation System

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