

# Wet ESPs Remove Acid Mist at Mineral Plant

For industrial installations, the wet electrostatic precipitator (wet ESP, or WESP) provided by Babcock & Wilcox Environmental (B&W) offers highly efficient control of submicron particulate, heavy metals, acid mists and condensed metal fumes and organics.

## Background

A mineral processing plant in Arizona needed a solution to reduce sulfuric acid mist.

## Scope

Wet ESP technology was determined to be the appropriate solution due to the sub-micron size of the acid mist. The customer ordered the supply of five wet ESPs.

The units were fabricated from AL6XN alloy, which is widely used in applications where the corrosion properties of AISI 316L and AISI 317L are not adequate.

## Results

The plant has been operating the wet ESP systems for more than 10 years and meeting all performance requirements.

B&W continues to support the plant with inspections, parts and repairs as needed.



## PROJECT HIGHLIGHTS

PLANT TYPE	Mineral Processing
LOCATION	Arizona, USA
APPLICATION	Acid Mist
PRIMARY CONSTRUCTION MATERIAL	AL6XN alloy
AWARD DATE(s)	2011
RESULTS	99% removal of acid mist

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