



## Ash Slurry Pump Impellers Rebuilt & Resurfaced With CeramAlloy

A large municipal wastewater treatment facility in Pennsylvania discovered that they had a problem with the steel impellers that pump ash slurry from their incinerators. Accelerated erosion and corrosion damage had forced the plant to consider purchasing replacement impellers at a cost of over \$10,000.

The plant engineers decided on a more cost effective approach. They called in their local ENECON Engineering Team to rebuild and resurface these impellers on site.

Both impellers were grit blasted and the eroded areas were rebuilt with CeramAlloy CP + AC. Two coats of CeramAlloy CL + AC were then applied to completely resurface the impellers and protect them from future attack.



Impellers placed on pallets outdoors and then grit blasted to minimum 3 mil profile.



CeramAlloy CP + AC was used to smooth out and rebuild eroded areas of both impellers.



CeramAlloy CL + AC was used to treat any areas not covered by CP + AC



Finished impeller after second coat of CeramAlloy CL + AC

**Both impellers were  
reconditioned for less  
than half of what new  
impellers were going  
to cost.**