**FGD Recirculating Slurry Pump**

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<th>Challenge</th>
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| **Issue**                                                                 | **Preparation**  
- Abrasive blast to Sa 3 with 5 mil (125 µm) angular profile  
**Application**  
1. Application of 6mm ARC MX1 on the suction wear plates, and 3-4 mm of ARC BX2* to protect the volute body  
2. Topcoat with ARC S2 to provide a smooth flow efficient surface  
*ARC BX2 is the “Bulk” package size of ARC 897 | **Inspection**  
Pumps are now operating with two years mean time between repair (MTBR) while maintaining the same efficiency level.  
**Estimated 2 Year Savings**  
$5K |
| **Root Cause**                                                            | **Results**                                                                                                                |                                                                        |
| Severe corrosion/abrasion of the pump volute and impeller resulted in reduced efficiency, requiring shutdown to repair or replace with new pumps. |                                                                                                                            |                                                                        |

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