

## Challenge

### Issue

Failing tile liner and delamination of underlying concrete was contaminating stock product. Outage for repairs was only 72 hours

### Goals

- Resurface and seal chest walls and prevent future contamination of pulp stock

### Root Cause

Hot bleached stock attacked mortar and grout lines leading to tile delamination and attack of underlying concrete

## Solution

### Preparation

- Old tile removed, then concrete rebar surfaces abrasive grit blasted to CSP 3/CSP 5 finish

### Application

- **ARC NVE Primer** applied followed by 3 coats of **ARC NVE Top Coat** at 120-200 mil (3-5 mm)/coat. Total DFT 360-600 mil (9-12.5 mm)
- Final veil coat of **ARC NVE VC** applied at 15-20 mil (375-500 µm)

## Results

### Client Reported

- Repairs carried out over 3 day shut down
- Chest is operational now for >1 year with no issues

Tile replacement*	\$ 65,000
<b>ARC repairs</b>	<b>\$ 47,000</b>
Savings	\$ 22,000

\* Tile repair would have only addressed 25% of area

\$=USD



Chest wall after tile removed and blasted



Installing ARC NVE coating



Applying NVE sealer coat