Leak Testing and Plugging Noodle Heat Exchanger
<table>
<thead>
<tr>
<th><strong>SUMMARY</strong></th>
<th>Identify leaking tubes on Noodle Heat Exchanger</th>
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<tr>
<td><strong>INDUSTRY</strong></td>
<td>Food Processing</td>
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<td><strong>PRODUCT</strong></td>
<td>G250 Vacuum Testing Guns, CPI “Pop-A-Plugs.”</td>
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<td><strong>PLANT</strong></td>
<td>Noodle Manufacturing</td>
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<td><strong>LOCATION</strong></td>
<td>Papua New Guinea</td>
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<tr>
<td><strong>DATE</strong></td>
<td>28.05.13</td>
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PROBLEM DESCRIPTION & SCOPE OF WORK

- Identify leaking tubes in Bundle with Vacuum Test Guns.
- Plug leaking tubes with Pop-A-Plug plugging system.
• Due to contamination in the boiler line, it was identified that there were leaking tubes in the Cooking Oil Heat Exchanger.
Vacuum Leak test

- G250 test guns were pressurized at 6 bar (87 psi/ 600kpa) which was the plant air supplied.
- A gun is plugged in at one end with plant air (Side B) and a T-bar vacuum seal at the other side of the tube bundle (Side A). Plant air is pressurized and a vacuum within the tube is created. A fail to create a Vacuum would result in a leak being identified.
Hydraulic Ram and Plugging System

• Once the leaks were identified, the Pop-A-Plug system was utilized to seal the leaking tubes and put the unit back into service.
• The Pop-A-Plug (CPI for low pressure) is a safe and reliable method that does not damage the tube-sheet or surrounding tubes.

• 2 tubes were identified to have leaks and plugged accordingly
• 2 * plugs per tube to seal it off and prevent further contamination.
Let us help you find out how our Leak Testing Services and Plugging Technology can get your Plant back up and running, saving you time and money.

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