COAL FIRE POWER STATION
MINERAL: Electricity
LOCATION: QLD, Australia.
PROCESSES: Power generation using coal fired generators.
SITE INFO:
- Total staff = 180
- Maintenance Crew 4 x 8 people (Rapp-it Response Team which consists of 2 x persons & cart)
- Air, Water, Slurry & Hot Ash
- 50mm – 600mm pipes are used
- 0-110c Air
- Water & Slurry 0-60c
- Hot Ash 80-110c

EMERGENCY REPAIR SOLUTION FOR COAL FIRE POWER STATION – Rapp-it is used on the following:
- Motive water and recirculation water system pipework
- Mill Pyrite reject pipework
- Air Heater and economiser reject pipe work (both dry ash and wet sluiced rejects).
- Pneumatic conveying pipework carrying flyash
- Domestic water Pipework.
- Regen and Demin water pipes. Stainless, mild steel, polly
- Raw water Pipework
- Precipitator Hopper Transfer Pipework
- PF (Pulverised Fuel) pipework
- Furnace ash Pneumatic conveying system pipework
- Fluidising Air pipework
- Station Air Cooling water and compressed air lines

<table>
<thead>
<tr>
<th>Pipe Substrate</th>
<th>Steel</th>
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<tbody>
<tr>
<td>Pipe Contents</td>
<td>Water</td>
</tr>
<tr>
<td>Internal Pressure (KPA)</td>
<td>600KPA</td>
</tr>
<tr>
<td>Temperature (°C)</td>
<td>140°C</td>
</tr>
<tr>
<td>Pipe Diameter (mm)</td>
<td>50mm – 600mm</td>
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</tbody>
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COMPLETED RAPP-IT REPAIRS
Testimonial from the Site Manager –

Using Rapp-It to keep our plant running.

Below are just some of the times we have used Rapp-It to repair pipe leaks at our power station. The Callide fly ash is very abrasive, and we don’t have a maintenance crew there full time, so when we have a leak the operators can apply the Rapp-It bandage and we can then plan to replace the pipe when it suits us. Some of the bandages have lasted more than 2 years, but generally we have them in place for up to a couple of months. They are very easy to use and allow us to keep our plant running. I think they last longer than the steel pipes in some places.

As you can see there is more than a dozen Rapp-Its on this Y pipe intersection. We have replaced it, but lasted well.
This Rapp-It patch has been on pipe for more than 2 years and still going.
Difficult spot for leak but Rapp-It does the job.
Yet another Rapp-It patch doing its work.
As you can see we had 3 Rapp-it patches on this Y piece.