

Effective SAFETY Solutions

WHERE

Company: **Alcoa**

Location: **SAN CIPRIAN**

Business: **AWA Atlantic**

Contact person: **A. Torres; F. Nores**

THE ISSUE

Sometimes flanges of pipe lines leak. In 2004 were reported some incidents related to leaks on flanges. Leaks on these facilities can cause chemical burns to employees and contractors and also thermal burns due to the high temperature of the fluid on most of the cases.

THE SOLUTION (additional level of protection put in place)

Type: (Technical ☒ - Procedures ☐ - Others ☐)

Description of key feature or change versus current conditions:

The refinery has protected the 100% of the sulphuric acid facilities, pumps and high (50%-27%) concentration of caustic pipes. More than 750 flanges protected.

PICTURES (if applicable) or ADDITIONAL INFO



SAFETY BENEFITS – pros/cons

- It exists an additional layer of protection against leaks of flanges
This protection avoid chemical burns.