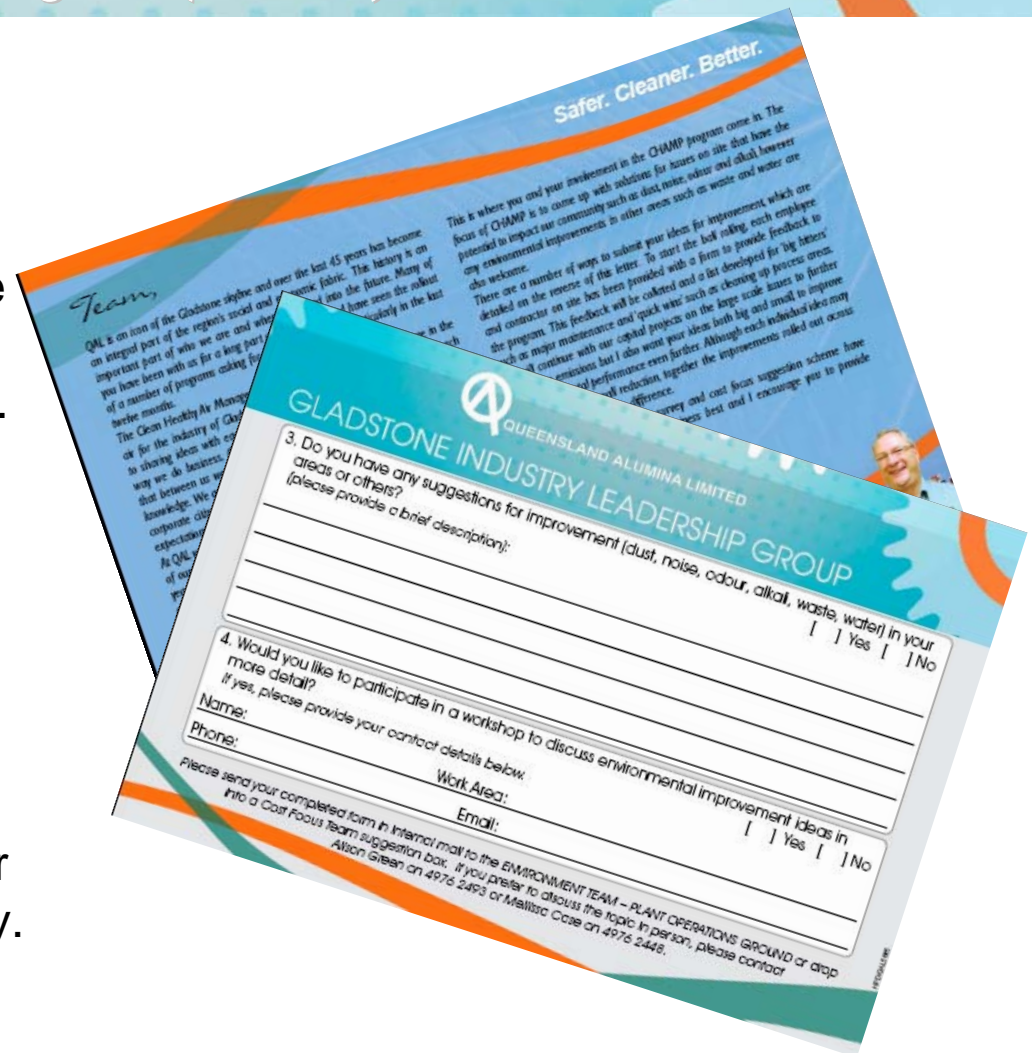


Clean and Healthy Management Program (CHAMP)

In November 2009, QAL rolled out the CHAMP in conjunction with GILG member sites in the Gladstone region.

CHAMP encourages employees to submit business improvement ideas that will result in air emissions improvements and cost savings.

To date there have been over 150 projects submitted in addition to larger projects which were already underway.



Clean and Healthy Management Program (CHAMP)

- Ideas under review:**
- Revegetation of ash ponds
 - Hydrate storage options
 - Alumina loading dust capture/minimisation
 - Revegetation of buffer zone land
 - Odour issues
 - Coal stockpile wind break
 - Alumina and coal transfer issues
 - Improve coal transport and handling
 - Repair alumina storage sheds



Clean and Healthy Management Program (CHAMP)

Projects in process:

- Improving general maintenance and clean up strategies to reduce transfer and fugitive dust issues
- Replace noisy equipment with quieter equipment – 'buy quiet' program in place for new/replacement equipment
- More control over fugitive dust – Air Strategy currently being developed, high dust areas have dust improvement projects underway



Clean and Healthy Management Program (CHAMP)

Case Study:

Reducing alumina emissions from A Frame



Clean and Healthy Management Program (CHAMP)

Next Stage

Ideas generated across all GILG member sites have been progressively shared.

The Business Improvement and Environment Teams are evaluating ideas for implementation.

