



# Community forum

## Environmental Project Summary

July 2009



| Task Name  | 2006 |    | 2007 |    | 2008 |    | 2009 |    | 2010 |    | 2011 |    |
|--|------|----|------|----|------|----|------|----|------|----|------|----|
|  | Q1   | Q2 | Q1   | Q2 | Q1   | Q2 | Q1   | Q2 | Q1   | Q2 | Q1   | Q2 |
| <b>DUST</b>  |      |    |      |    |      |    |      |    |      |    |      |    |
| Coal Dust Control: 1317/1318 Coal Transfer Point (At B/house) - COMPLETE | 100% |    |      |    |      |    |      |    |      |    |      |    |
| Boiler Particulate Emission Reduction - COMPLETE                         | 100% |    |      |    |      |    |      |    |      |    |      |    |
| Alumina Loader Loading Chute - COMPLETE                                  | 100% |    |      |    |      |    |      |    |      |    |      |    |
| Train Wagon Cleaning Station   | 100% |    |      |    |      |    |      |    |      |    |      |    |
| Gas Suspension Calciners - Dust Handling system Modifications            | 10%  |    |      |    |      |    |      |    |      |    |      |    |
| <b>ODOUR REDUCTION</b>   |      |    |      |    |      |    |      |    |      |    |      |    |
| Red Mud Dam Destratification Units - COMPLETE                            | 100% |    |      |    |      |    |      |    |      |    |      |    |
| Evaporation Vents - COMPLETE   | 100% |    |      |    |      |    |      |    |      |    |      |    |
| Causticizer Tank Vents - COMPLETE  | 100% |    |      |    |      |    |      |    |      |    |      |    |
| Holding Tank Vents   | 65%  |    |      |    |      |    |      |    |      |    |      |    |
| Relief Tank  | 100% |    |      |    |      |    |      |    |      |    |      |    |
| <b>ALKALI EMISSION REDUCTION</b>   |      |    |      |    |      |    |      |    |      |    |      |    |
| Fill Tanks 1 to 2 - COMPLETE   | 100% |    |      |    |      |    |      |    |      |    |      |    |
| Secondary Seed Surge Tanks 1 to 4 - COMPLETE                             | 100% |    |      |    |      |    |      |    |      |    |      |    |
| Holding Tank Vents   | 75%  |    |      |    |      |    |      |    |      |    |      |    |
| TT Hosing - COMPLETE   | 100% |    |      |    |      |    |      |    |      |    |      |    |
| Entrainment Separators Unit 3 Stage 1 - COMPLETE                         | 100% |    |      |    |      |    |      |    |      |    |      |    |
| Relief Tank Entry  | 0%   |    |      |    |      |    |      |    |      |    |      |    |
| Hydrate Cyclone Project - COMPLETE                                       | 100% |    |      |    |      |    |      |    |      |    |      |    |
| Precipitation Pump off Pumps   | 10%  |    |      |    |      |    |      |    |      |    |      |    |
| PFT2 Tank Cover - COMPLETE   | 100% |    |      |    |      |    |      |    |      |    |      |    |
| PFT1 Tank Cover - COMPLETE   | 100% |    |      |    |      |    |      |    |      |    |      |    |



# Thermal Oxidiser (TO) Update

- Increase in Quench air to TO
  - Decrease trips associated with high chamber temperature  $> 900^{\circ}\text{C}$
- Air-cooled condenser Temperature Regulation
  - Install Variable speed drive on fans
  - Reduce odour carryover into condensate stream
  - Increase Odour compounds reporting to TO
  - ECD November 2009