



QUEENSLAND ALUMINA LIMITED



Environmental Project Summary

May 2011

Safer. Cleaner. Better.



Task Name	07		2008				2009				2010				2011				2012			
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
DUST																						
Coal Dust Control: Train Unloading - COMPLETE																						
Coal Dust Control: Ground Level Emission Control - COMPLETE																						
Coal Dust Control: 1317/1318 Coal Transfer Point (At B/house) - COMPLETE																						
1652/1646 Alumina Transfer Point (Island A Frame) COMPLETE																						
1631 / 1632 Airslide Improvements																						
1646/1649 Transfer Point																						
16305 / 1631 Transfer Improvements																						
BSL Transfer Improvements																						
Alumina Loader Boom Tailgate Modification																						
Cascade Chute Improvements																						
Gas Suspension Calciner Dust System Improvements																						
ODOUR REDUCTION																						
Red Mud Dam Destratification Units - COMPLETE																						
Evaporation Vents - COMPLETE																						
Causticizer Tank Vents - COMPLETE																						
Thermal Oxidiser Cooling Capacity Upgrade - COMPLETE																						
Thermal Oxidizer VSD Installation and Condenser Changes - COMPLETE																						
Holding Tank Vents																						
Relief Tank																						
ALKALI EMISSION REDUCTION																						
Fill Tanks 1 to 2 - COMPLETE																						
Tertiary Seed Surge Tanks 1 & 2 - COMPLETE																						
Secondary Seed Surge Tanks 1 to 4 - COMPLETE																						
TT Hosing Robots - COMPLETE																						
TT Hosing Concrete Arm - COMPLETE																						
Entrainment Separators Unit 3 - COMPLETE																						
Modify Blowdown Lines Digestion - COMPLETE																						
Hydrate Cyclone Project - COMPLETE																						
Precipitation Pump Off Pumps - Wash Tank Option																						
Environmental Monitoring System																						
Environmental Monitoring System - additional meters																						



Odour Reduction

- Relief Tanks
 - Review Options
 - » Site Visit completed, additional data supplied
 - » Expect Proposal July / August



Dust

- Shiploading
 - Ship Loading Upgrade to Cascade Chute completed
 - Modification To Boom Door designed and currently being quoted.

- Calciner Dust System Upgrade
 - Unit 1 and 3 operational, Unit 2 tie in during turnaround in June.

- Island A frame Airslide Improvement
 - Design complete, seeking approval

- Wharf Alumina Transfer
 - Options being investigated and evaluated.



Alkali Emission

- Precipitation Pump off Pumps
 - Use of Wash Tanks as accumulation storage
 - Design complete.
 - RFI approved
 - Construction Q3 / Q4