

China Glass Holding

Environmental and Social Action Plan

Item	Description	Due Date
1	CGH will appoint a corporate level manager, reporting to the Vice President Operations, with responsibility for environmental and occupational health and safety management.	June 2007
2	CGH will commission consultants to undertake environmental and occupational health and safety audits at each manufacturing site (except Suhuada) and identify actions which must be undertaken, and action plans which when implemented will enable the sites to develop and operate environmental and occupational health and safety management systems capable of certification to ISO 14001 and OSHAS 18001 requirements respectively.	December 2007
3	Obtain ISO 14001 and OHSAS 18001 certification of the environmental and occupational health and safety management systems, at each site except Suhuada, which already holds such certification.	December 2009
4	Identify and replicate to all sites, best practices in personal protective equipment for employees manually handling sheet glass.	September 2007
5	Measure and report to IFC mass flow rates, and concentrations of emissions to air of particulate matter, sulphur dioxide and nitrogen oxides arising from each operational glass furnace.	September 2007
6	Adopt primary control measures to limit emissions to air of particulate matter and nitrogen oxides from glass furnaces, and report actions undertaken and effect on emissions to IFC	March 2008
7	Add sulphur-dioxide scrubbing systems to furnace exhausts at the three remaining untreated Weihai furnaces.	December 2008
8	Assess the need, if any, for secondary control of NOx emissions from each furnace, report conclusions to IFC and agree follow-up implementation schedule if any.	December 2008
9	If shown necessary by monitoring program(Item 6) to meet IFC guidelines, add secondary particulate control to all furnaces undergoing cold repair.	As governed by repair schedule.
10	Measure concentrations of hydrogen sulphide in areas adjacent to gas generators – especially areas to which machine operators of other personnel may have access or can be expected to be located.	September 2007
11	Commission energy audits of all operational plants and report results to IFC.	June 2008
12	Monitor quality of storm water run off from coal storage areas, and waste water arising from the coal	September 2007

Item	Description	Due Date
	gasification plants.	
13	Agree action, if any is shown necessary by item 12, to treat these liquid effluents, and implement according to a timescale to be agreed with IFC.	December 2007.
14	Develop and install devices to identify possible gas leaks from the gasification plants, and develop and implement a suitable emergency response mechanism to be used in the event of a gas leak, and which should include provision for communication with those adjacent to the plant.	December 2007