

Project/ToR Summary Sheet

Project Name: Shanghai Health Study	Project Lead: Patsy Clegg/Stuart Cagen	Date: October 3, 2002
Purpose: Manage and coordinate Shell Chemicals' input to a major study in Shanghai, China designed to evaluate possible associations of benzene exposure to leukemias or lymphomas. Study management includes active cost tracking and management as well as communication of study plans and outcomes internally and externally. External communication includes scientific and regulatory communities in China.		
Case for Action: (What is the issue/barrier being addressed.) Benzene is a major product of Shell Chemicals' Aromatics PBU and is also a chemical of interest to all Oil Products and other RD operations globally. The Shanghai Health Study represents an opportunity to expand knowledge of benzene toxicity at a time when major uncertainties exist in the scientific literature regarding possible diseases associated with benzene exposure to humans as well as the amount of benzene needed to be associated with these diseases (ie., dose response).		
Fit with KBA's and KPI's: Gaining HSE Leadership. Health of Products Chemicals SD		

Key Measure/Indicator of Success Cost effective study reported in public literature, with scientific publications expected as early as 2003, with completion expected ~ 2007. Shell Chemicals’ recognized as lead company in this major undertaking, as only 5 companies are currently full sponsors.	Size of the Prize: (Order of Magnitude) Scientifically sound understanding of benzene related diseases in human. This will support product stewardship aspirations and advocacy for scientifically credible assessment of risks. In the regulatory community, risk assessments based on uncertainty can lead to regulated occupational or community exposure levels that are unrealistic with respect to health risks. Scientifically based values are more realistic and lead to credible risk values. This has impact to our manufacturing locations as well as fuel formulations for Oil Products and RD globally.	
Dependencies and links to other projects: (Issues Management) Gaining HSE Leadership Health of Products Issue		
Resources Required: (People time, consulting support, and materials and system costs, travel expenses) (Order of Magnitude) Shell portion of study cost: \$ 4.5 million People time: Patsy Clegg/Stuart Cagen/Shan Tsai: total ~ 0.5 FTE/year for 4 years Travel: Patsy Clegg/Stuart Cagen/Shan Tsai: \$ 10,000/year for 4 years		
High level Timeline: Study approved: 2002 Begin taking cases: 2003 Finish case recruitment: 2006 Final reports: 2007		
Approval Date:	First Review Date:	Sponsor:

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