

Project/TOR Summary Sheet

Project Name: Shanghai Benzene Health Study	Project Lead: Patsy Clegg	Date: September 30, 2002
Purpose: The purpose of the Shanghai Benzene Health Study is to do studies in Shanghai of workers who have been identified as having diseases related to benzene exposure. The 3 studies are: 1. Case-Control Epidemiology Study, 2. Disease Progression Study, 3. Molecular Epidemiology Study. At the end of the 5-year program, report projected for 2007/8, we will have a better understanding of the level of benzene exposure that causes adverse health effects, what those effects are and the progression of the disease(s) from benzene poisoning to cancer. The 3 rd study will attempt to identify biomarkers for the disease(s).		
Case for Action: (What is the issue/barrier being addressed.) In 1998, NCI (National Cancer Institute) published a study conducted in Shanghai of benzene-exposed workers that concluded (1) AML (acute myelogenous leukemia) occurs after exposure to benzene at lower levels than previously known and (2) benzene causes NHL (non-Hodgkin's lymphoma). The Chinese government is interested in the data from the new study to implement lower exposure limits. A state-of-the-art clinical laboratory with trained Chinese technicians will be left behind at Fudon University School of Medicine.		
Fit with KBA's and KPI's: KBA: Gain HSE Leadership		
Key Measure/Indicator of Success: Data is accepted in the scientific and regulatory communities.	Size of the Prize: (Order of Magnitude) Revenue increase and/or savings (\$, Time, people) This is a high-profile product stewardship project that demonstrates aromatics commitment to gaining HSE leadership.	
Dependencies and links to other projects (Issues Management): None identified.		

Resources Required: (People time, consulting support, and materials and system costs, travel expenses) (Order of Magnitude)

Patsy Clegg – Shell representative to Consortium Oversight Committee - .1 FTE
Stuart Cagen – Shell representative to Consortium Technical Committee - .1 FTE
Shan Tsai - Shell representative to Consortium Technical Committee - .05 FTE
Sarah Colletti - Shell representative to Consortium Communications Committee
Dave Waskowiak - Shell representative to Consortium Legal Committee

Costs – Shell originally committed \$3M to the 22.8M budget. In 2003, Shell agreed to contribute an additional 1.145M to cover the funding gap.

Travel - \$10K/yr

High level Timeline:

01: Consortium formed (BP, ChevronTexaco, ConocoPhillips, ExxonMobil, Shell)
Protocols reviewed by independent scientific and ethics panels

02: Laboratory built and equipped; technicians trained

03: First subjects taken; Opening ceremony in Shanghai; First annual meeting

07/08: Final report

Approval Date:

First Review Date:

CF HSE LT Sponsor:
Elizabeth Williams